

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041719\
 Data File : VX009004.D
 Acq On : 17 Apr 2019 09:47
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 18 01:34:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	218825	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	348048	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	315590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	156875	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	149810	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
35) Dibromofluoromethane	5.49	113	111583	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
50) Toluene-d8	8.71	98	452190	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
62) 4-Bromofluorobenzene	11.13	95	169985	54.06	ug/l	0.00
Spiked Amount			Recovery	=	108.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	141953	56.321	ug/l	99
3) Chloromethane	1.32	50	162278	52.444	ug/l	99
4) Vinyl Chloride	1.40	62	157158	52.183	ug/l	98
5) Bromomethane	1.64	94	86222	46.048	ug/l	97
6) Chloroethane	1.71	64	92993	52.510	ug/l	95
7) Trichlorofluoromethane	1.92	101	181935	51.741	ug/l	99
8) Diethyl Ether	2.18	74	80409	50.003	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	114071	50.739	ug/l	98
10) Methyl Iodide	2.51	142	130119	52.675	ug/l	99
11) Tert butyl alcohol	3.04	59	174390	254.757	ug/l	100
12) 1,1-Dichloroethene	2.37	96	111579	47.548	ug/l	97
13) Acrolein	2.29	56	136310	230.461	ug/l	100
14) Allyl chloride	2.72	41	273575	53.436	ug/l	100
15) Acrylonitrile	3.14	53	430100	247.514	ug/l	100
16) Acetone	2.44	43	440165	275.237	ug/l	98
17) Carbon Disulfide	2.57	76	344972	50.026	ug/l	100
18) Methyl Acetate	2.77	43	192648	48.267	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	430802	51.523	ug/l	100
20) Methylene Chloride	2.85	84	136131	49.776	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	122953	49.123	ug/l	96
22) Diisopropyl ether	3.85	45	522987	52.570	ug/l	99
23) Vinyl Acetate	3.81	43	2316419	264.884	ug/l	99
24) 1,1-Dichloroethane	3.69	63	254552	50.972	ug/l	100
25) 2-Butanone	4.67	43	674186	263.740	ug/l	99
26) 2,2-Dichloropropane	4.57	77	195461	52.215	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	142644	50.195	ug/l	99
28) Bromochloromethane	5.01	49	107007	51.651	ug/l	100
29) Tetrahydrofuran	5.12	42	418859	244.811	ug/l	99
30) Chloroform	5.20	83	230042	51.477	ug/l	100
31) Cyclohexane	5.57	56	259421	52.816	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	192404	51.948	ug/l	99
36) 1,1-Dichloropropene	5.79	75	185307	51.480	ug/l	98
37) Ethyl Acetate	4.82	43	242786	52.417	ug/l	99
38) Carbon Tetrachloride	5.78	117	160922	52.734	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041719\
 Data File : VX009004.D
 Acq On : 17 Apr 2019 09:47
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 18 01:34:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	238360	54.388	ug/l	95
40) Benzene	6.13	78	551201	51.907	ug/l	99
41) Methacrylonitrile	5.04	41	134445	50.575	ug/l	97
42) 1,2-Dichloroethane	6.18	62	195016	51.843	ug/l	99
43) Isopropyl Acetate	6.43	43	393343	52.697	ug/l	100
44) Trichloroethene	7.21	130	132024	50.742	ug/l	97
45) 1,2-Dichloropropane	7.51	63	157277	53.387	ug/l	99
46) Dibromomethane	7.66	93	87821	51.223	ug/l	100
47) Bromodichloromethane	7.89	83	177797	52.873	ug/l	100
48) Methyl methacrylate	7.76	41	196961	53.404	ug/l	100
49) 1,4-Dioxane	7.74	88	72065	1043.959	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	1268419	266.740	ug/l	99
52) Toluene	8.78	92	334843	52.614	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	210050	54.276	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	231660	53.459	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	133185	52.803	ug/l	97
56) Ethyl methacrylate	9.18	69	249193	55.098	ug/l	99
57) 1,3-Dichloropropane	9.37	76	235292	52.393	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	654874	268.889	ug/l	100
59) 2-Hexanone	9.49	43	1017740	277.600	ug/l	99
60) Dibromochloromethane	9.58	129	132253	54.709	ug/l	100
61) 1,2-Dibromoethane	9.67	107	135919	52.212	ug/l	98
64) Tetrachloroethene	9.34	164	123621	51.563	ug/l	98
65) Chlorobenzene	10.13	112	345035	51.797	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	122596	52.243	ug/l	99
67) Ethyl Benzene	10.25	91	650428	53.414	ug/l	100
68) m/p-Xylenes	10.35	106	477309	107.856	ug/l	99
69) o-Xylene	10.69	106	230721	53.581	ug/l	98
70) Styrene	10.71	104	408068	54.686	ug/l	99
71) Bromoform	10.85	173	100474	53.742	ug/l #	99
73) Isopropylbenzene	11.02	105	623768	52.457	ug/l	100
74) N-amyl acetate	10.90	43	358633	52.528	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	213786	49.206	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	256203	66.884	ug/l	80
77) Bromobenzene	11.26	156	149788	49.926	ug/l	98
78) n-propylbenzene	11.36	91	735316	53.877	ug/l	100
79) 2-Chlorotoluene	11.42	91	430504	52.345	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	530242	53.139	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	76014	50.945	ug/l	96
82) 4-Chlorotoluene	11.51	91	503562	52.720	ug/l	100
83) tert-Butylbenzene	11.77	119	499562	52.146	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	530969	52.275	ug/l	99
85) sec-Butylbenzene	11.94	105	618860	54.163	ug/l	100
86) p-Isopropyltoluene	12.06	119	563829	53.674	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	274941	52.360	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	274371	51.545	ug/l	100
89) n-Butylbenzene	12.38	91	539649	55.161	ug/l	99
90) Hexachloroethane	12.59	117	92919	53.624	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	269080	51.894	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	47925	48.447	ug/l	97

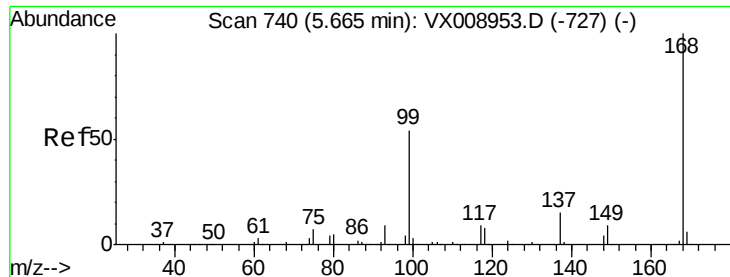
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041719\
Data File : VX009004.D
Acq On : 17 Apr 2019 09:47
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Apr 18 01:34:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	195305	52.179	ug/l	100
94) Hexachlorobutadiene	13.78	225	99812	53.466	ug/l	100
95) Naphthalene	13.83	128	600712	50.093	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	191010	51.721	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

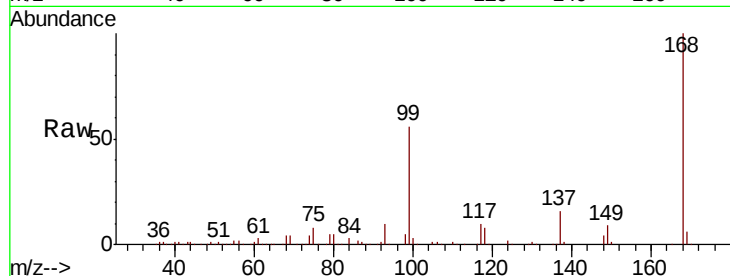
VSTDCCC050

Tot Ion:168 Resp: 218825

Ion Ratio Lower Upper

168 100

99 55.7 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

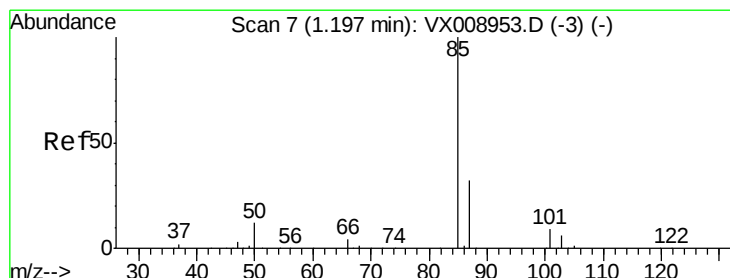
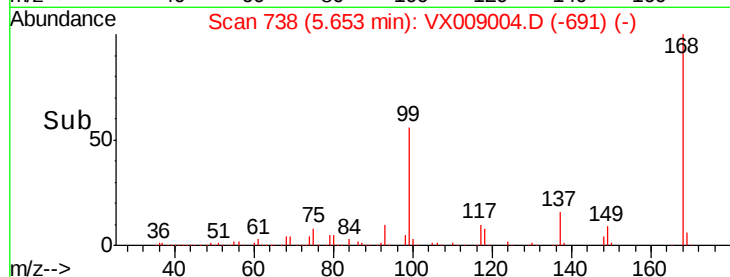
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 56.321 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009004.D

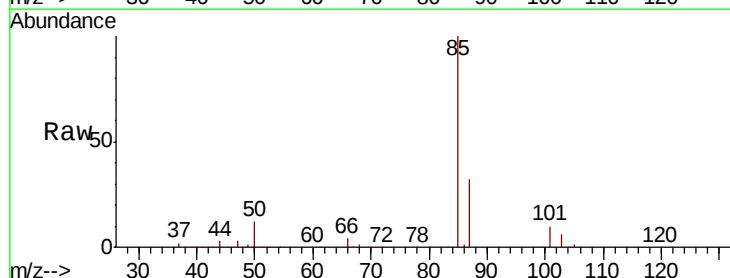
Acq: 17 Apr 2019 09:47

Tgt Ion: 85 Resp: 141953

Ion Ratio Lower Upper

85 100

87 32.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

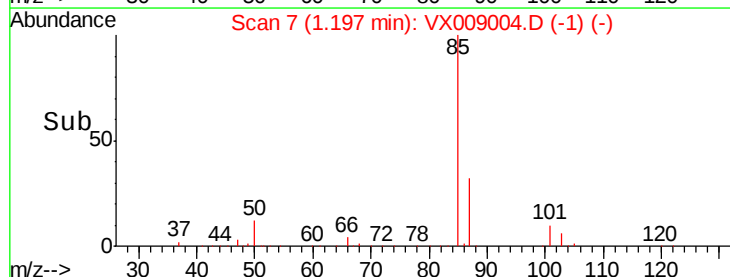
150000

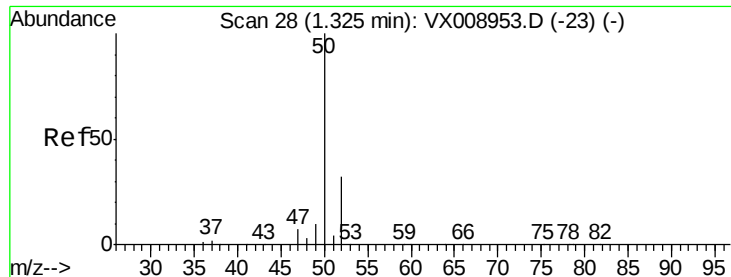
100000

50000

0

Time--> 1.10 1.20 1.30





#3

Chloromethane

Concen: 52.444 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

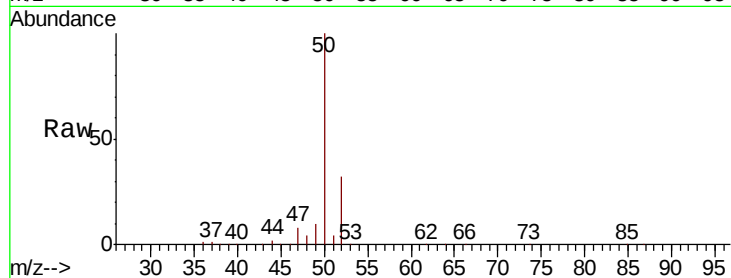
VSTDCCC050

Tot Ion: 50 Resp: 162278

Ion Ratio Lower Upper

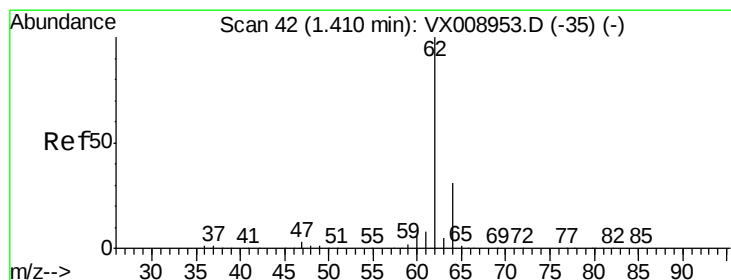
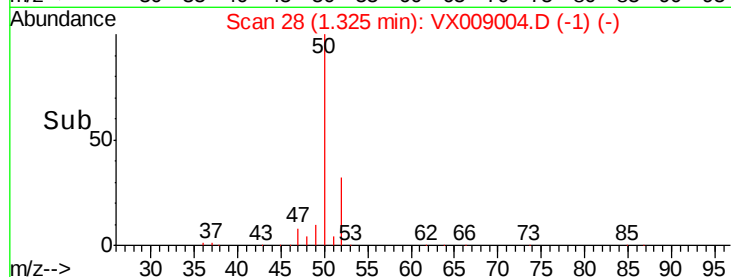
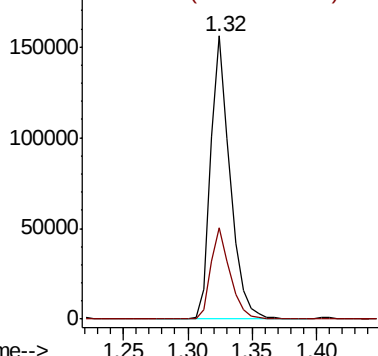
50 100

52 32.3 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 52.183 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009004.D

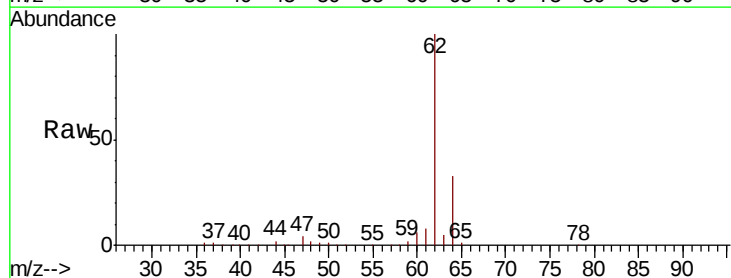
Acq: 17 Apr 2019 09:47

Tgt Ion: 62 Resp: 157158

Ion Ratio Lower Upper

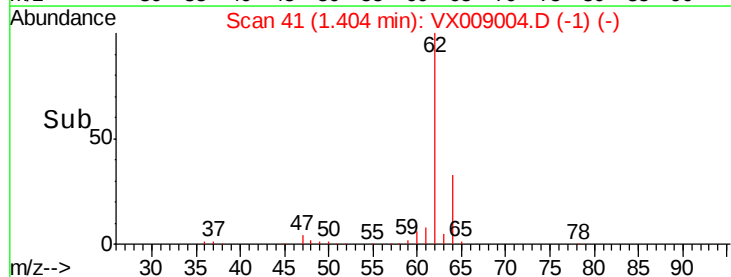
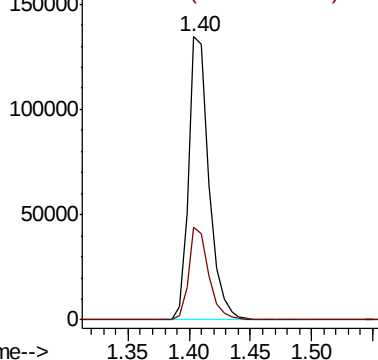
62 100

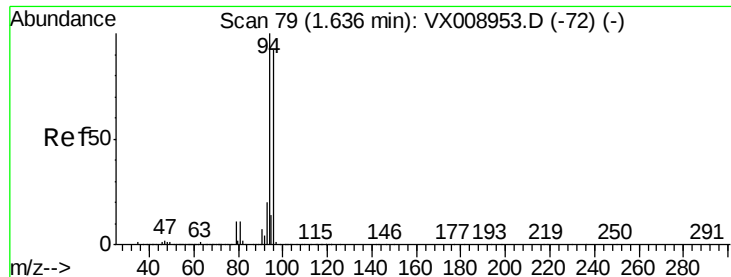
64 32.5 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 46.048 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

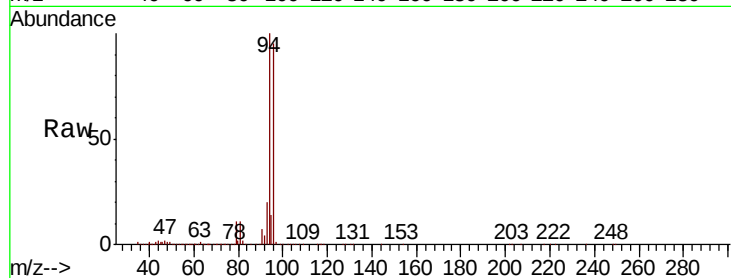
VSTDCCC050

Tot Ion: 94 Resp: 86222

Ion Ratio Lower Upper

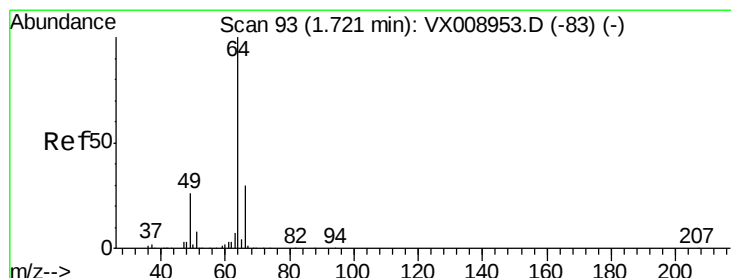
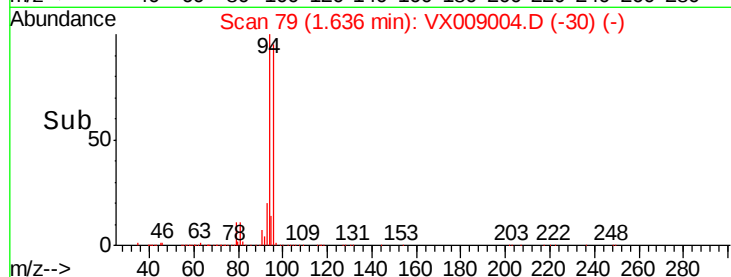
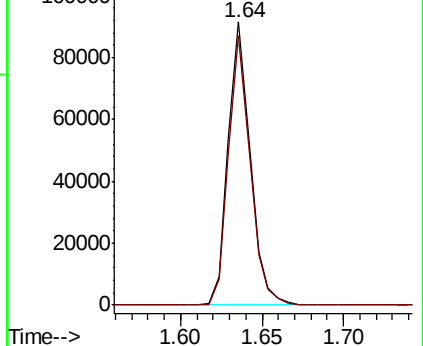
94 100

96 95.2 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 52.510 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX009004.D

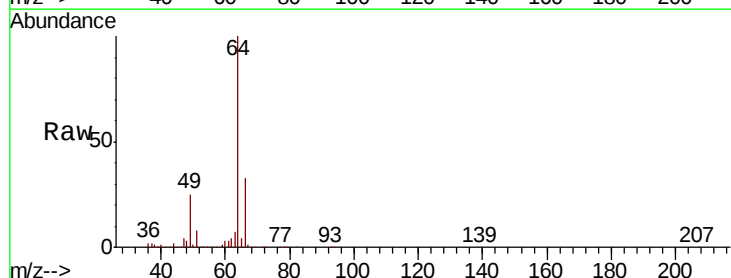
Acq: 17 Apr 2019 09:47

Tgt Ion: 64 Resp: 92993

Ion Ratio Lower Upper

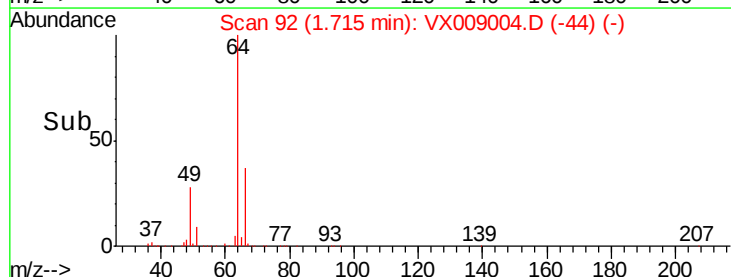
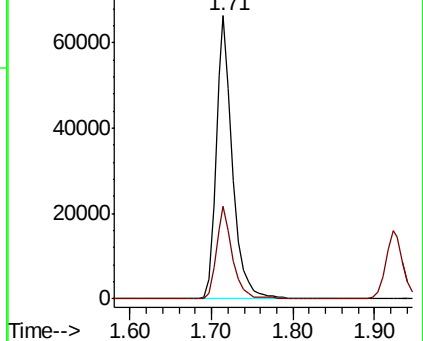
64 100

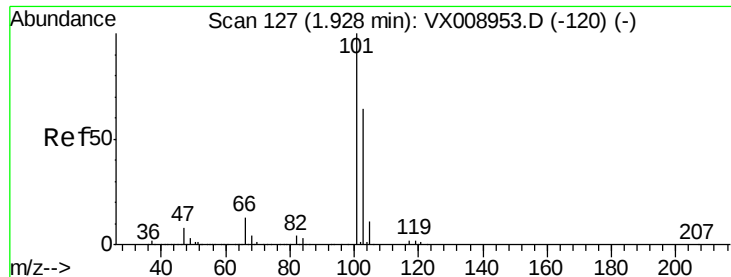
66 32.7 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



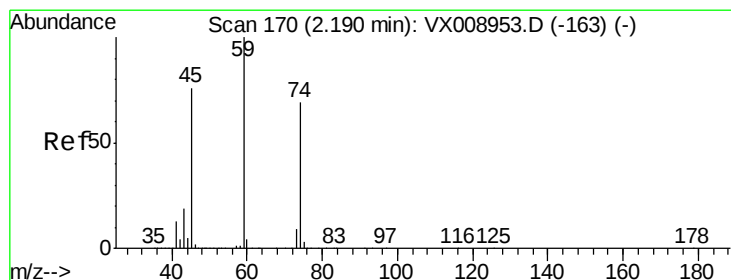
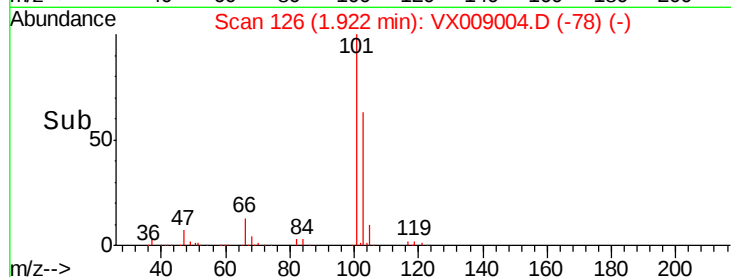
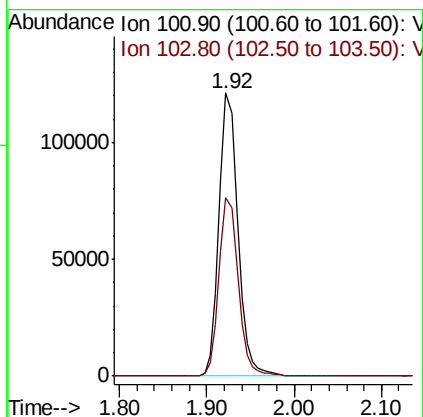
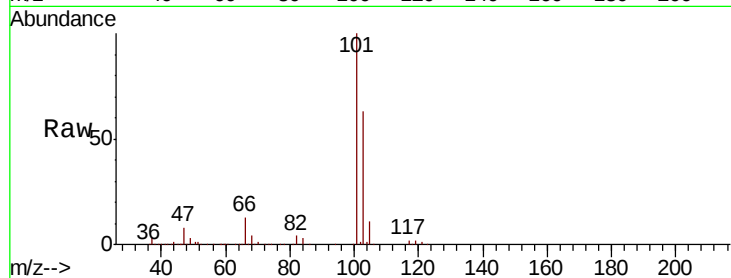


#7

Trichlorofluoromethane
 Concen: 51.741 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

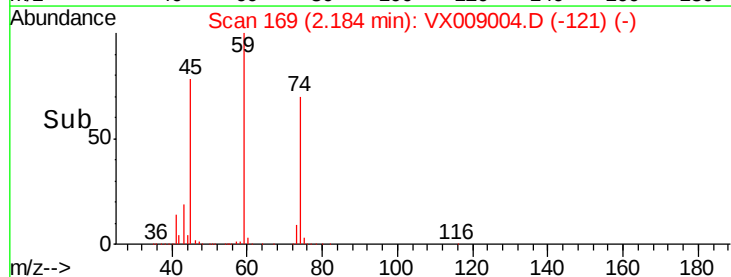
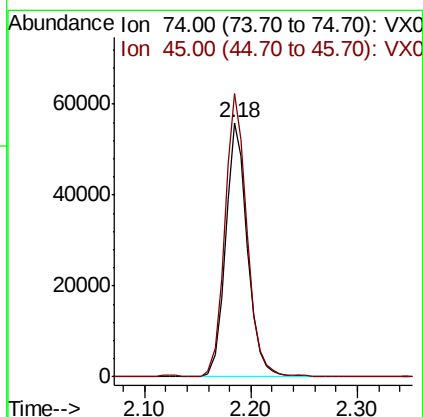
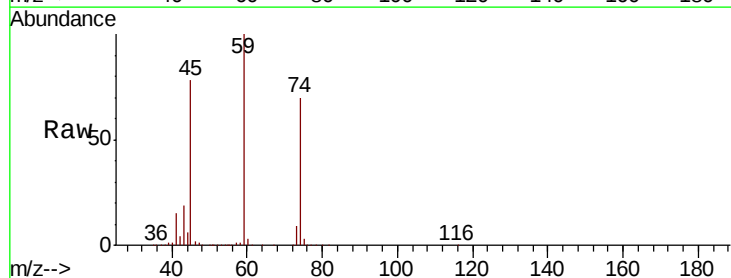
Tot Ion:101 Resp: 181935
 Ion Ratio Lower Upper
 101 100
 103 63.2 51.0 76.6

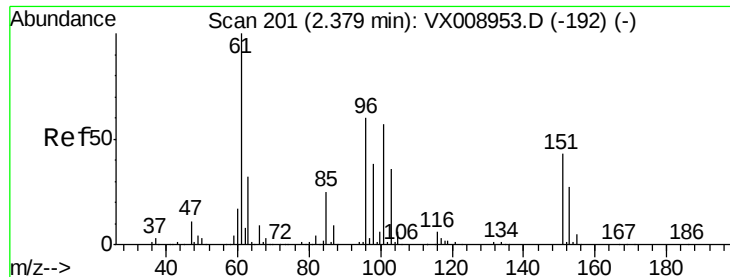


#8

Diethyl Ether
 Concen: 50.003 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

Tgt Ion: 74 Resp: 80409
 Ion Ratio Lower Upper
 74 100
 45 111.6 54.9 164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.739 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

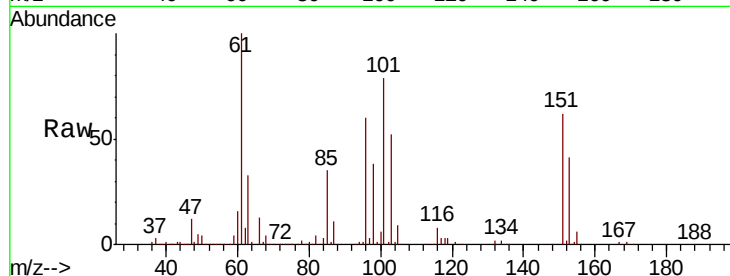
Tot Ion:101 Resp: 114071

Ion Ratio Lower Upper

101 100

85 43.7 35.7 53.5

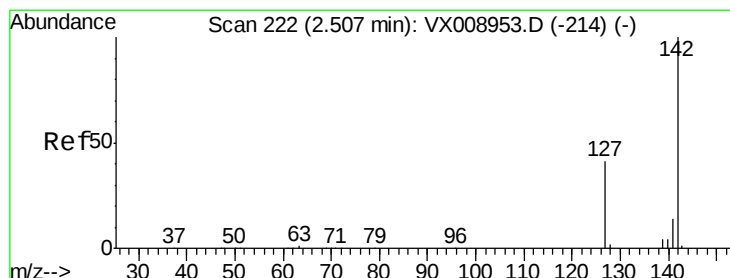
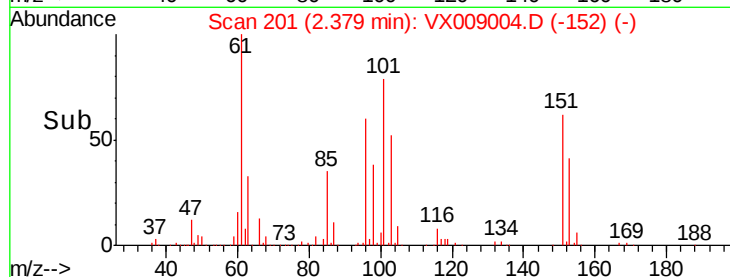
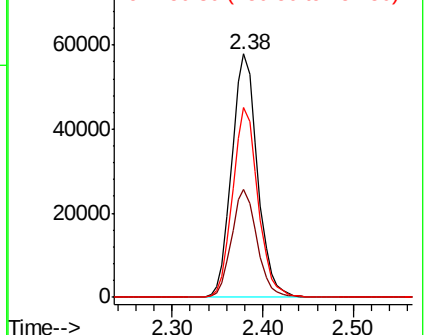
151 77.0 62.7 94.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.675 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

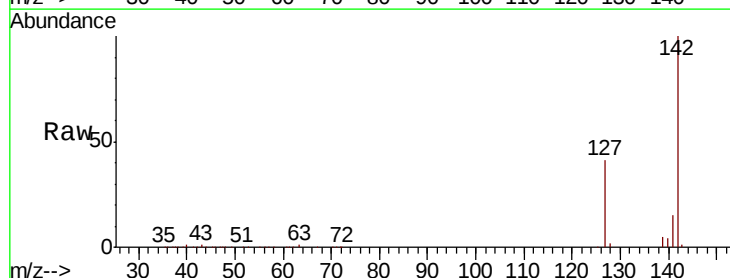
Tgt Ion:142 Resp: 130119

Ion Ratio Lower Upper

142 100

127 41.6 32.8 49.2

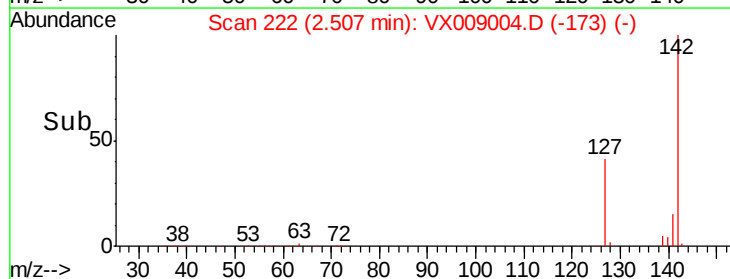
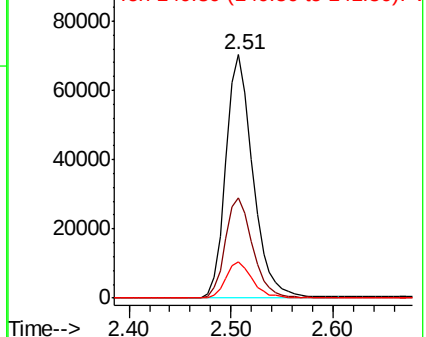
141 14.7 11.4 17.2

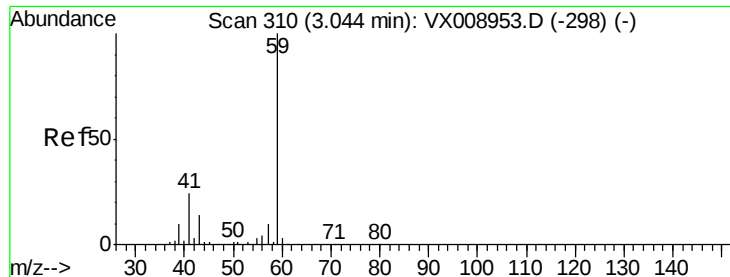


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



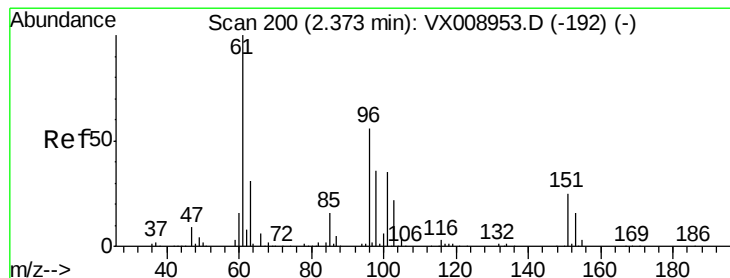
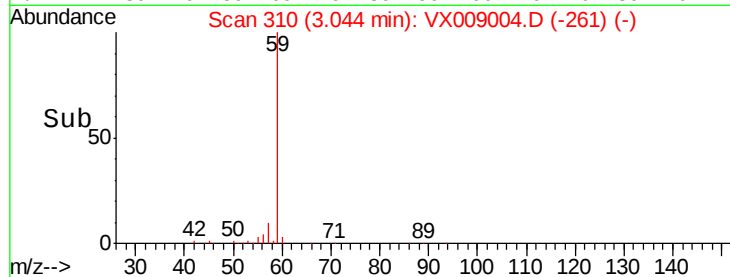
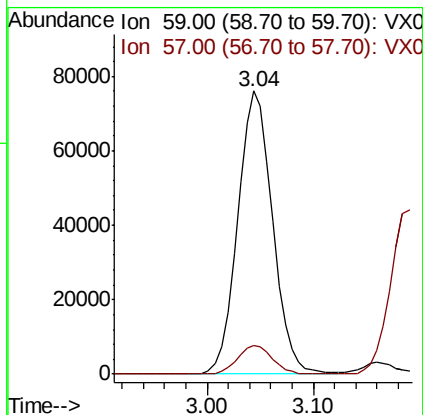
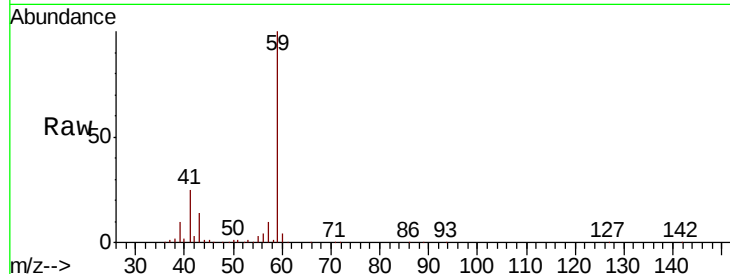


#11

Tert butyl alcohol
 Concen: 254.757 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. 0.00 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

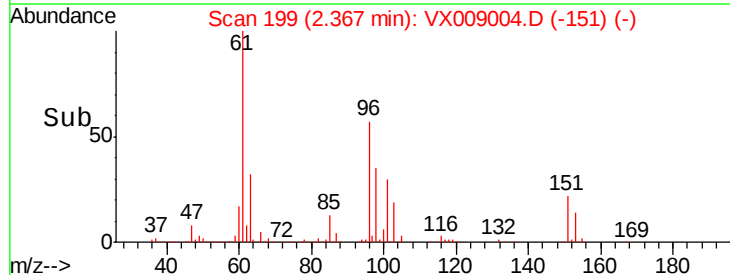
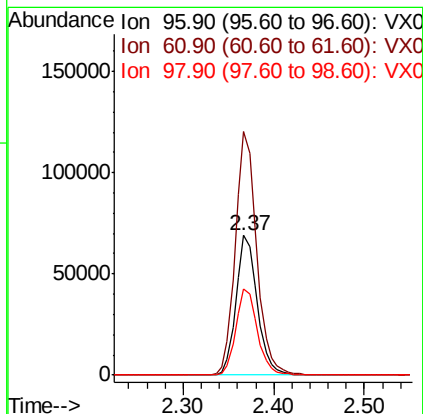
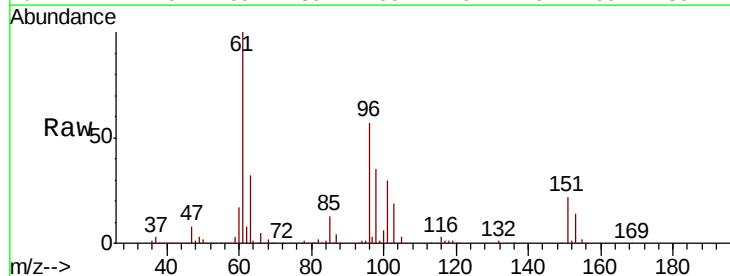
Tot Ion: 59 Resp: 174390
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.4 12.6

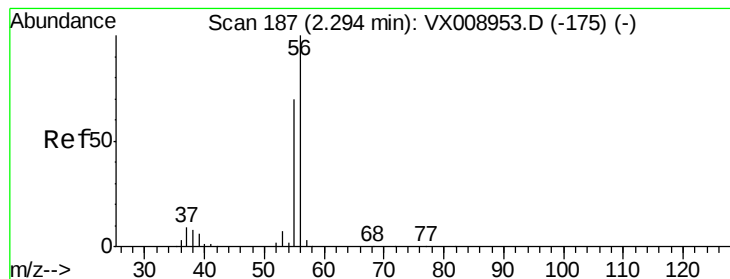


#12

1,1-Dichloroethene
 Concen: 47.548 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.01 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

Tgt Ion: 96 Resp: 111579
 Ion Ratio Lower Upper
 96 100
 61 174.2 142.2 213.2
 98 61.6 50.9 76.3





#13

Acrolein

Concen: 230.461 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

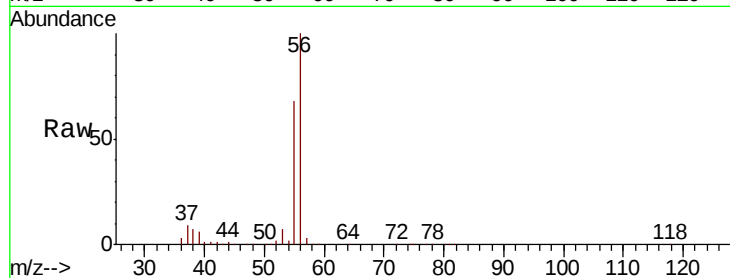
VSTDCCC050

Tot Ion: 56 Resp: 136310

Ion Ratio Lower Upper

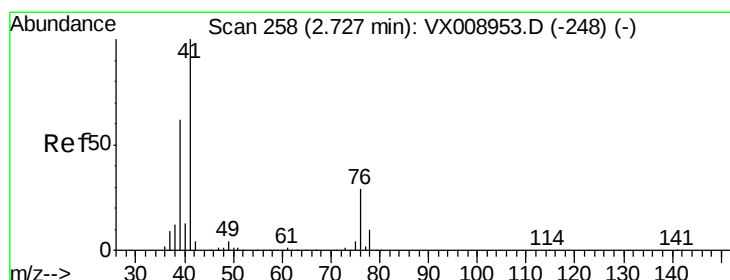
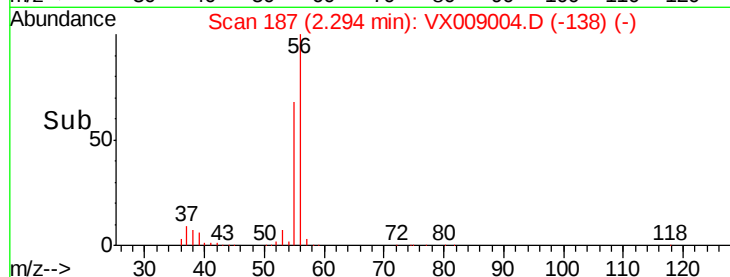
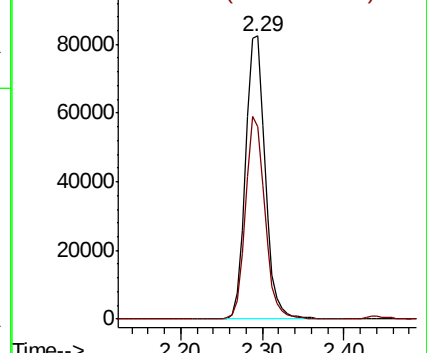
56 100

55 70.9 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 53.436 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

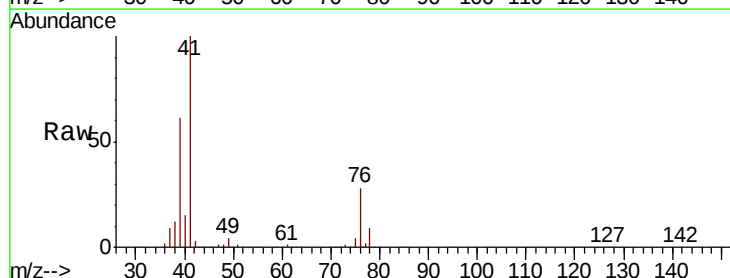
Tgt Ion: 41 Resp: 273575

Ion Ratio Lower Upper

41 100

39 58.7 46.7 70.1

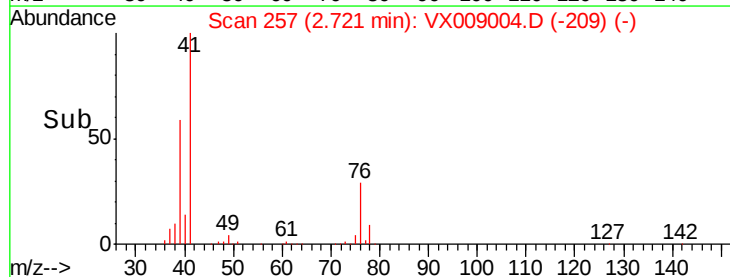
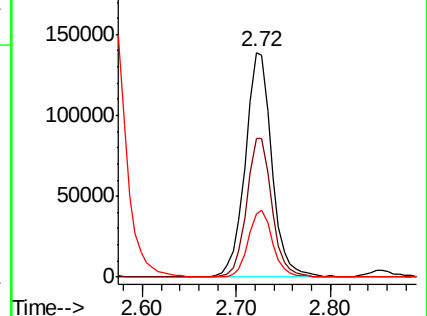
76 27.3 22.0 33.0

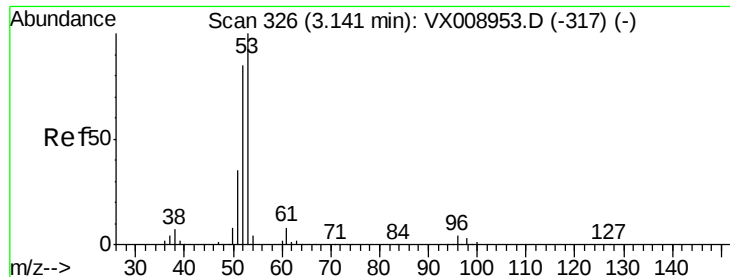


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 247.514 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

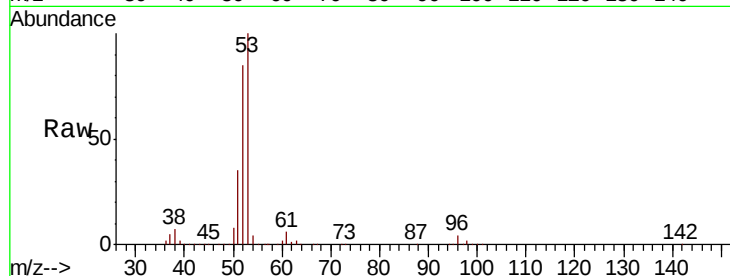
Tot Ion: 53 Resp: 430100

Ion Ratio Lower Upper

53 100

52 83.7 66.6 100.0

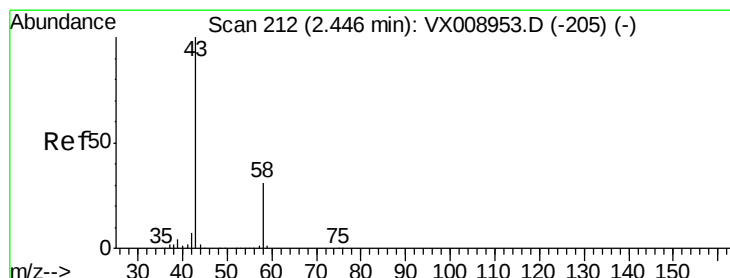
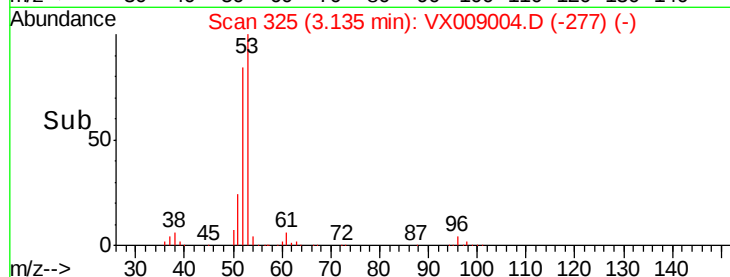
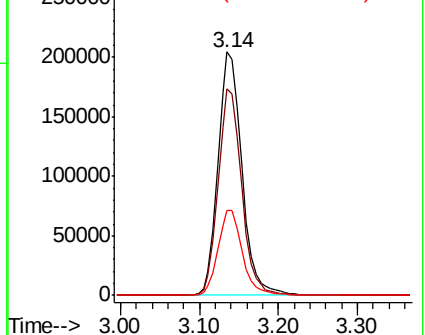
51 35.7 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 275.237 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009004.D

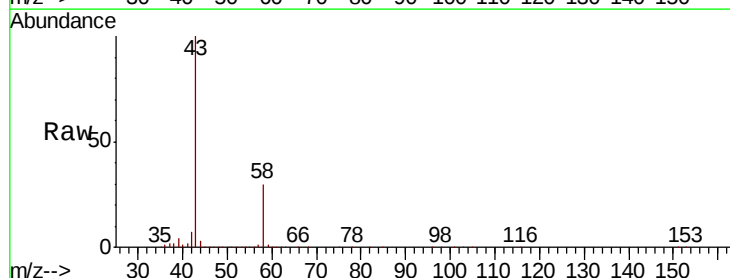
Acq: 17 Apr 2019 09:47

Tgt Ion: 43 Resp: 440165

Ion Ratio Lower Upper

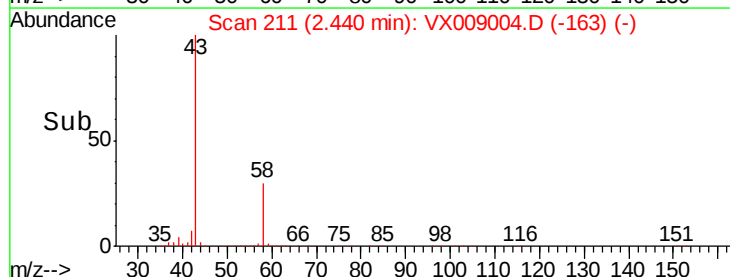
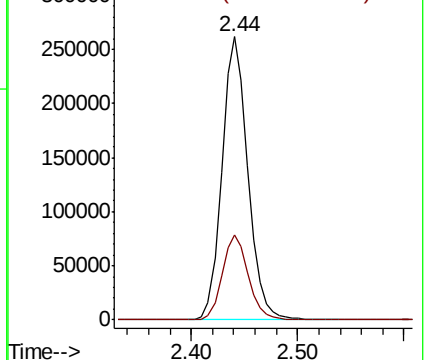
43 100

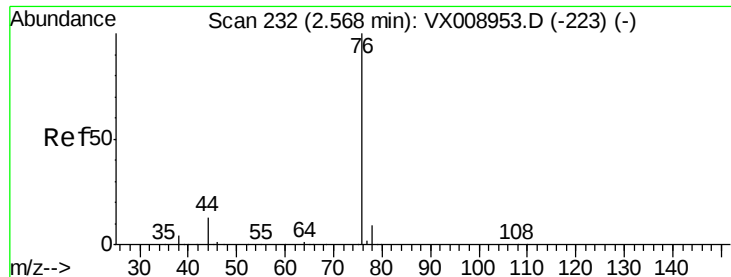
58 30.1 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 50.026 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

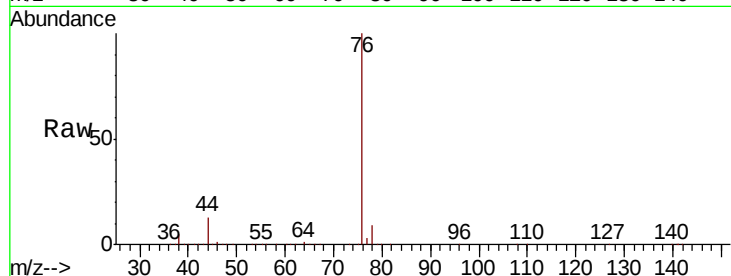
VSTDCCC050

Tot Ion: 76 Resp: 344972

Ion Ratio Lower Upper

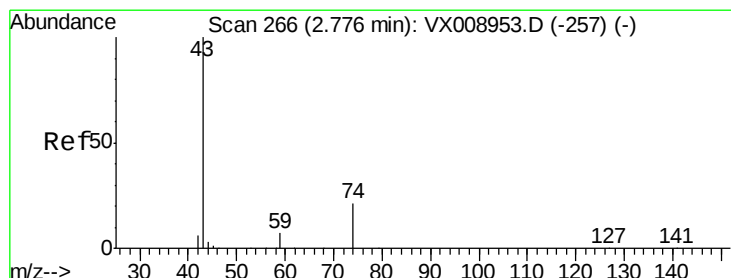
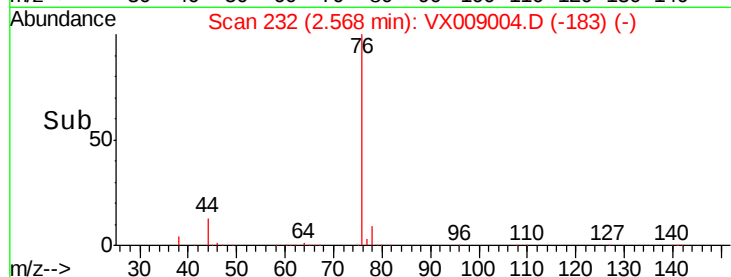
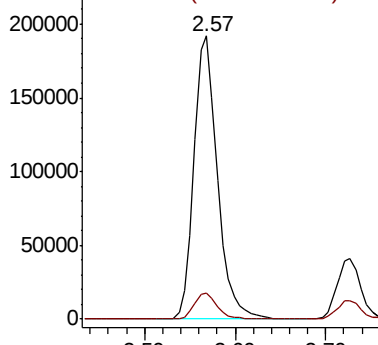
76 100

78 9.0 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 48.267 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX009004.D

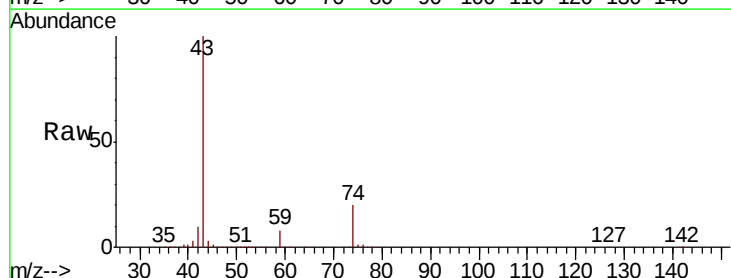
Acq: 17 Apr 2019 09:47

Tgt Ion: 43 Resp: 192648

Ion Ratio Lower Upper

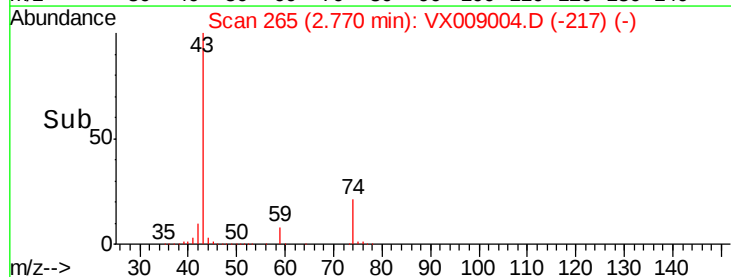
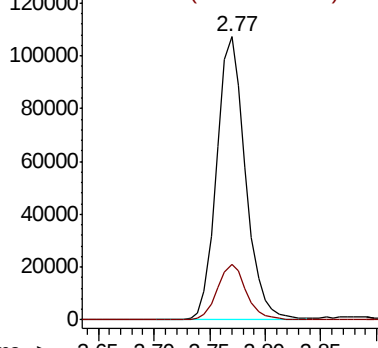
43 100

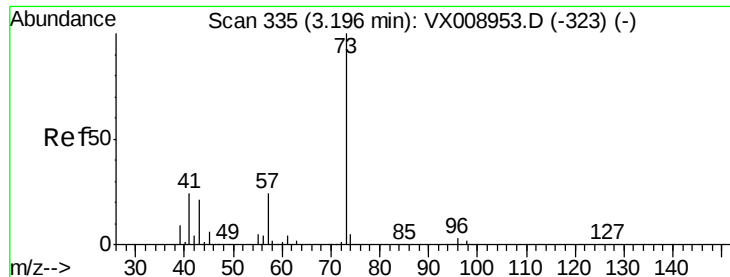
74 20.2 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



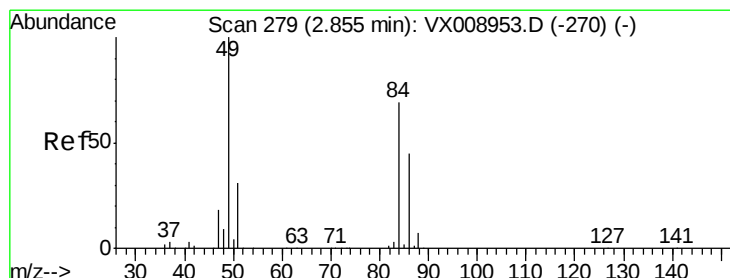
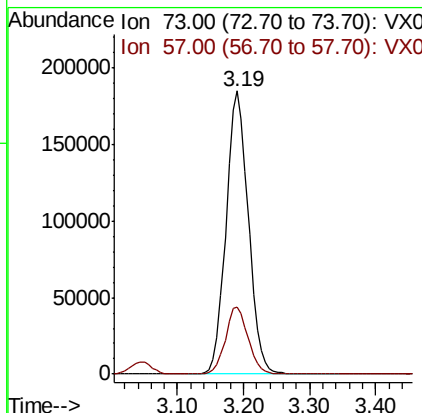
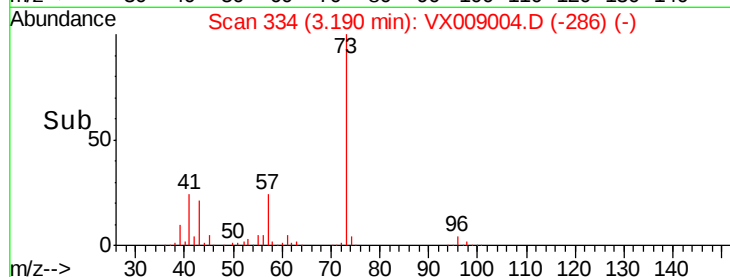
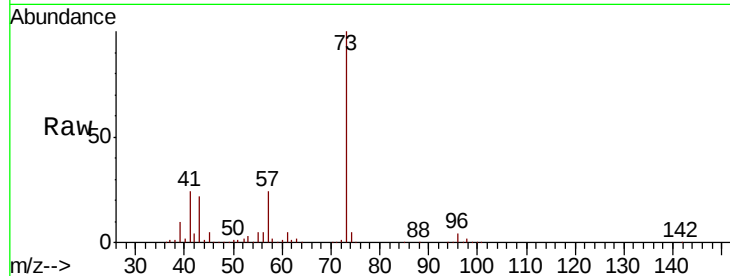


#19

Methyl tert-butyl Ether
 Concen: 51.523 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

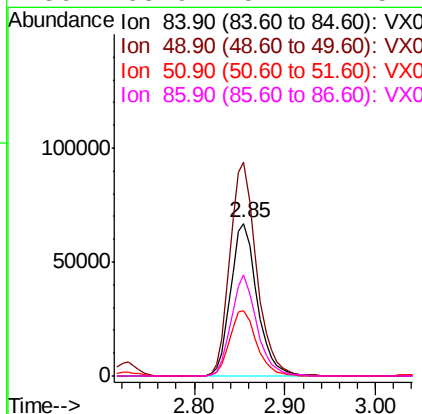
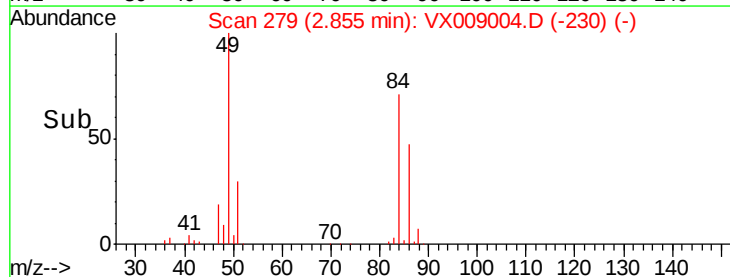
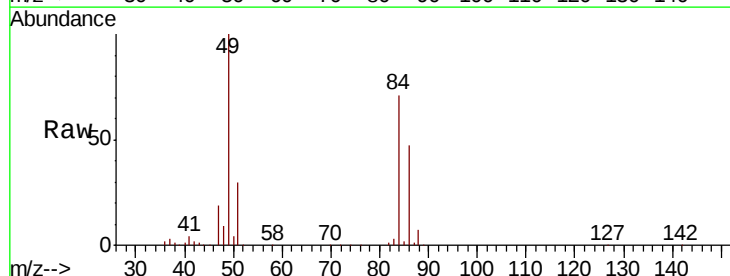
Tot Ion: 73 Resp: 430802
 Ion Ratio Lower Upper
 73 100
 57 23.8 19.2 28.8

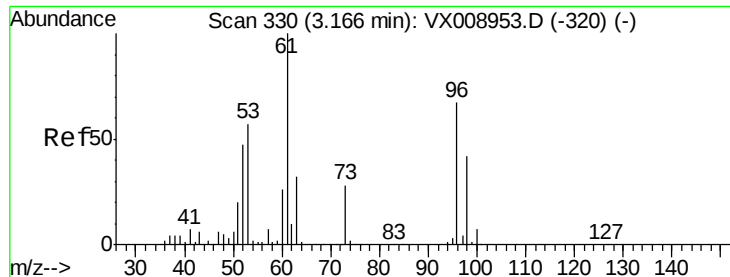


#20

Methylene Chloride
 Concen: 49.776 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

Tgt Ion: 84 Resp: 136131
 Ion Ratio Lower Upper
 84 100
 49 140.0 115.4 173.0
 51 42.5 35.8 53.6
 86 65.9 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 49.123 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

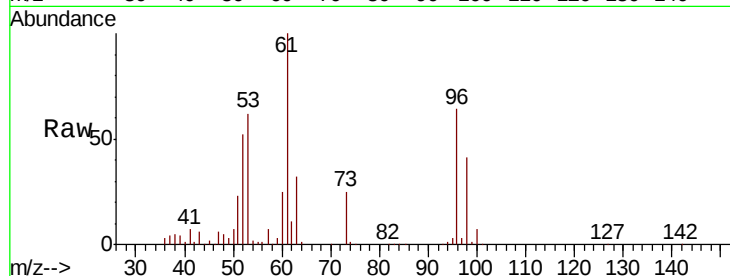
Tot Ion: 96 Resp: 122953

Ion Ratio Lower Upper

96 100

61 156.0 120.3 180.5

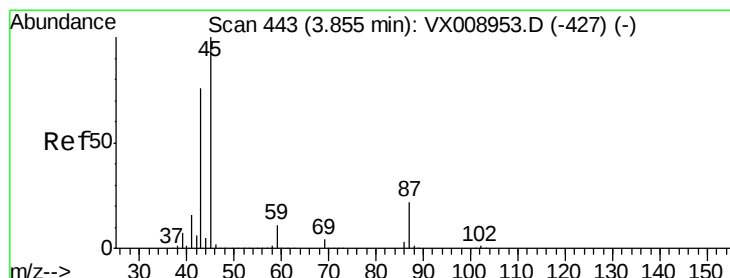
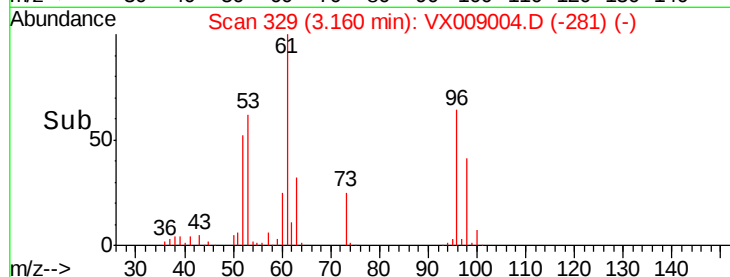
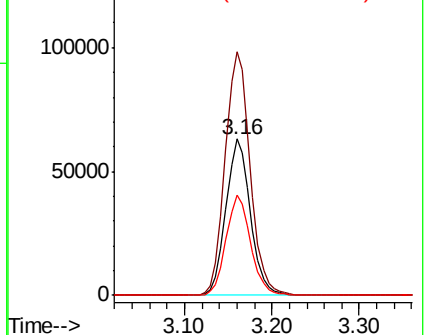
98 63.9 50.2 75.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 52.570 ug/l

RT: 3.85 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Tgt Ion: 45 Resp: 522987

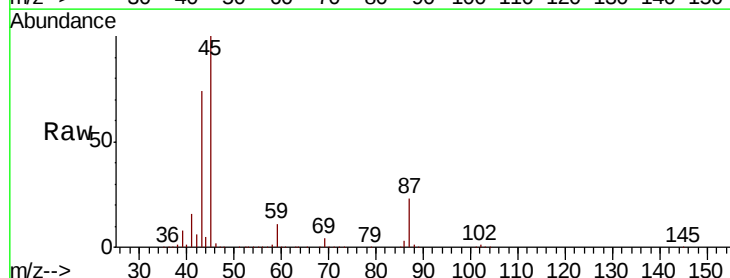
Ion Ratio Lower Upper

45 100

43 74.2 60.6 91.0

87 22.6 17.8 26.8

59 11.1 8.7 13.1

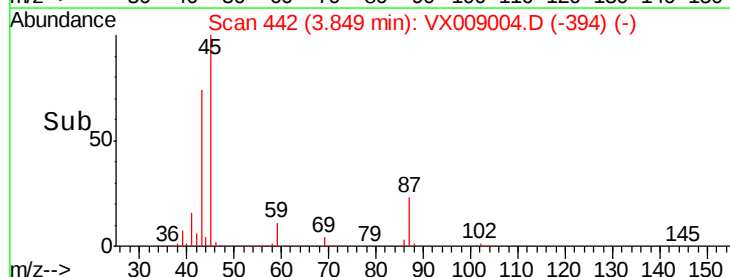
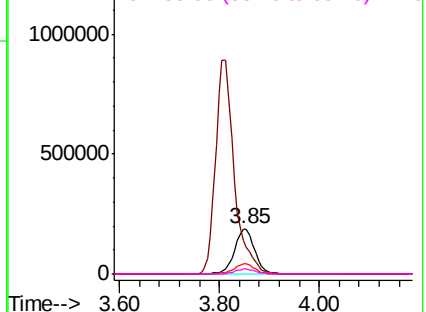


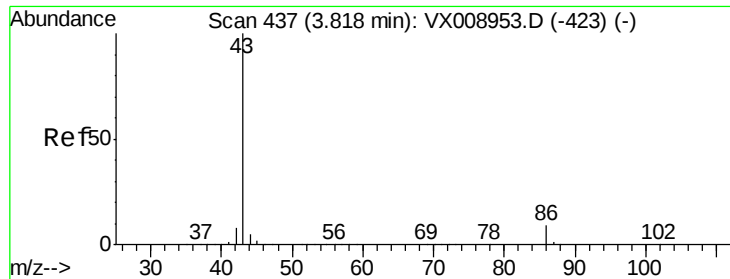
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 264.884 ug/l

RT: 3.81 min Scan# 435

Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

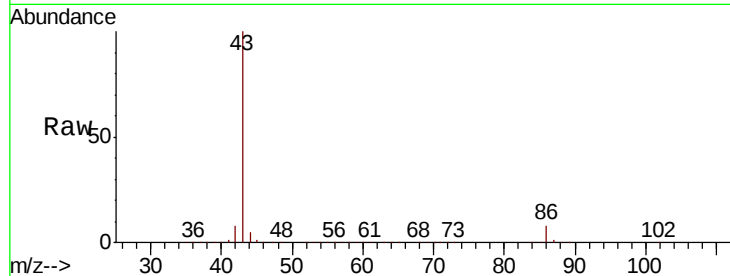
VSTDCCC050

Tot Ion: 43 Resp: 2316419

Ion Ratio Lower Upper

43 100

86 8.4 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VX008953.D (-423) (-)

Ion 86.00 (85.70 to 86.70): VX008953.D (-423) (-)

3.81

800000

600000

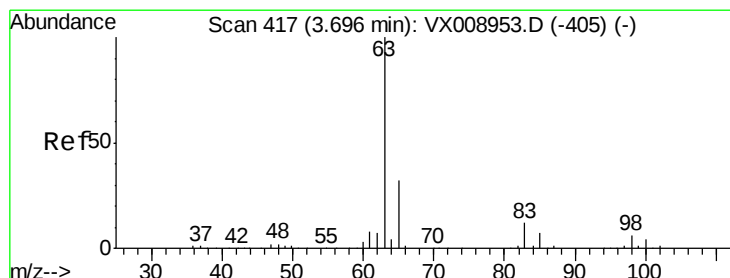
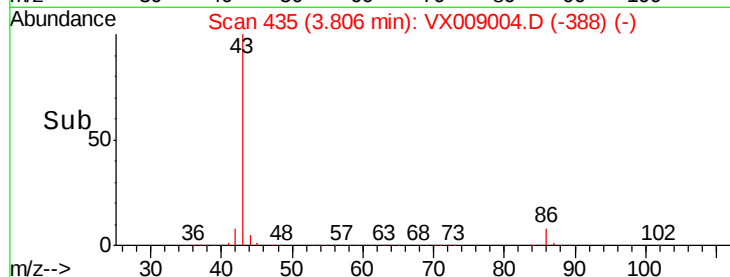
400000

200000

0

Time-->

3.70 3.80 3.90



#24

1,1-Dichloroethane

Concen: 50.972 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

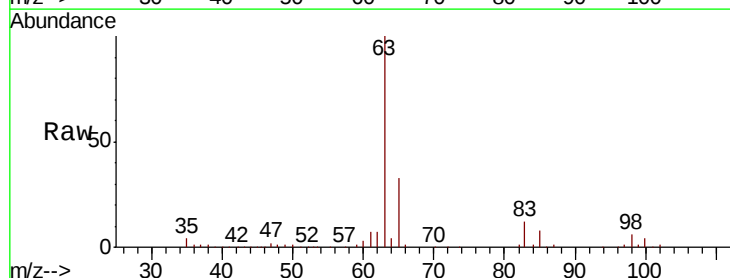
Tgt Ion: 63 Resp: 254552

Ion Ratio Lower Upper

63 100

98 6.0 3.1 9.3

100 3.8 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VX008953.D (-405) (-)

Ion 97.90 (97.60 to 98.60): VX008953.D (-405) (-)

Ion 99.90 (99.60 to 100.60): VX008953.D (-405) (-)

3.69

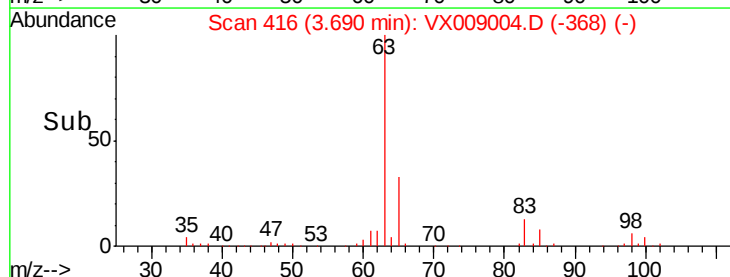
100000

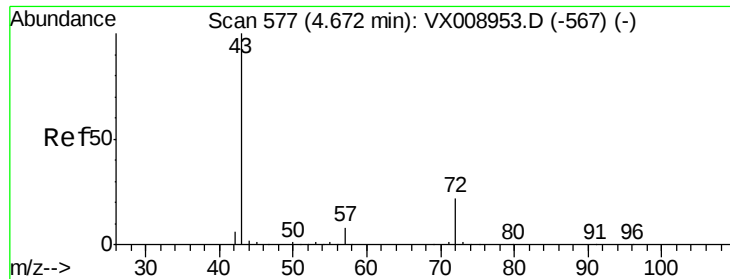
50000

0

Time-->

3.60 3.70 3.80





#25

2-Butanone

Concen: 263.740 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

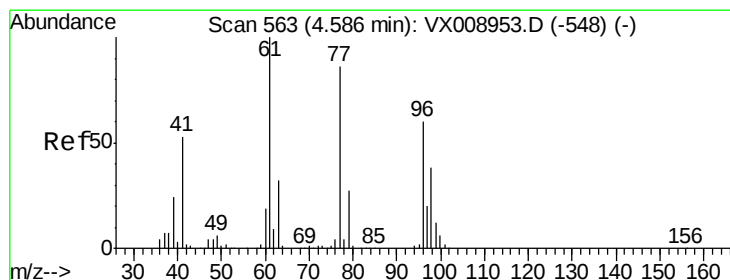
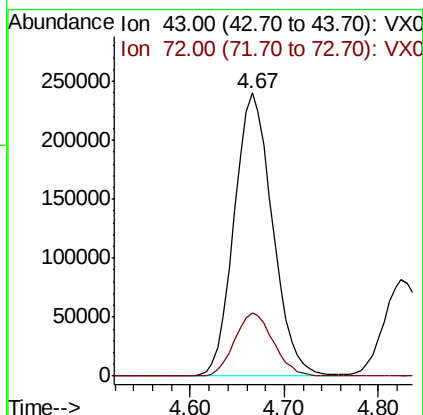
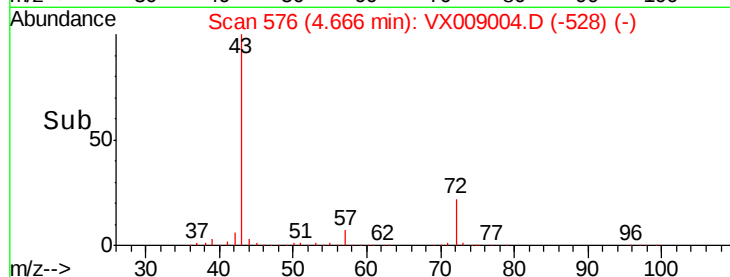
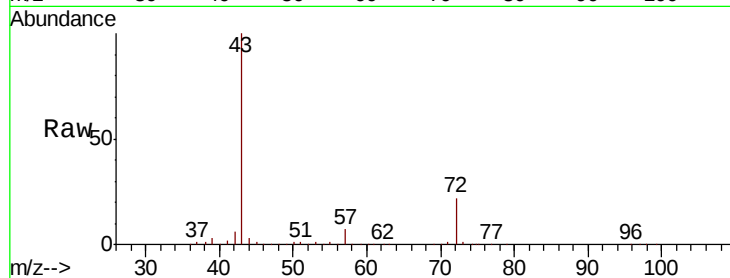
VSTDCCC050

Tot Ion: 43 Resp: 674186

Ion Ratio Lower Upper

43 100

72 22.3 17.5 26.3



#26

2,2-Dichloropropane

Concen: 52.215 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX009004.D

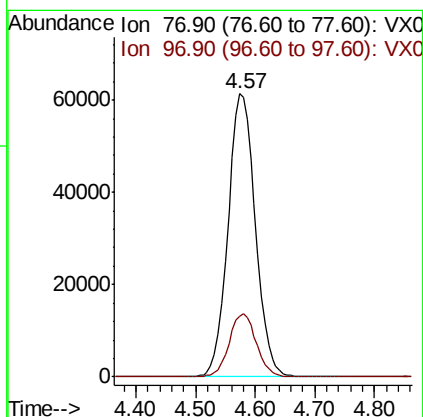
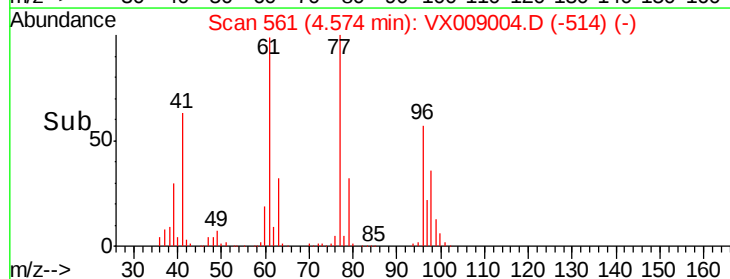
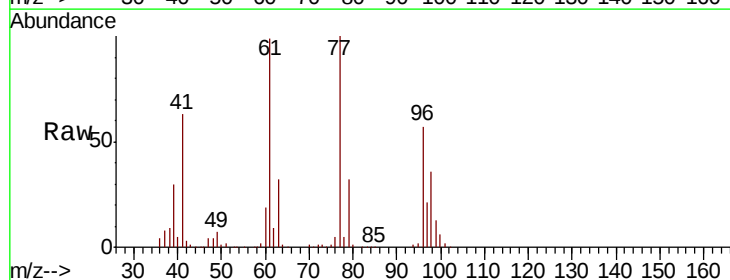
Acq: 17 Apr 2019 09:47

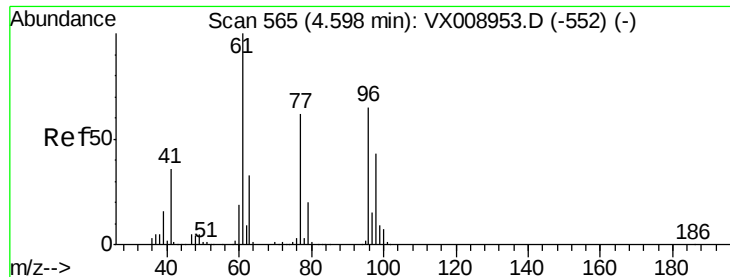
Tgt Ion: 77 Resp: 195461

Ion Ratio Lower Upper

77 100

97 22.3 11.7 35.0



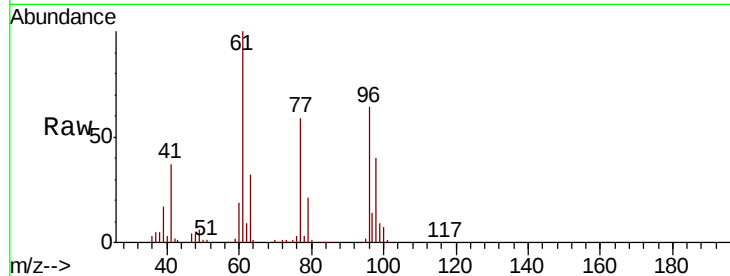


#27

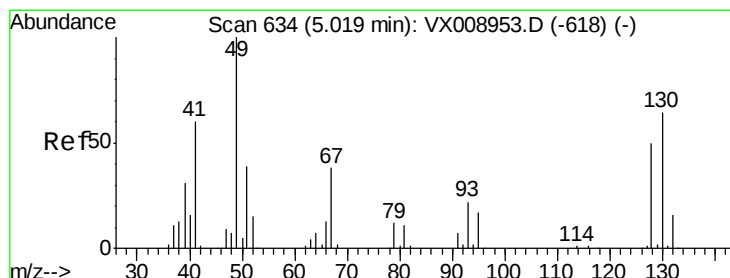
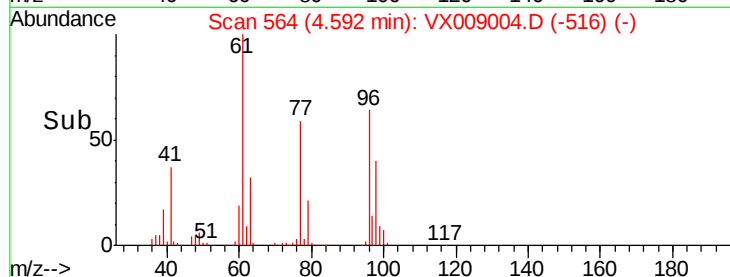
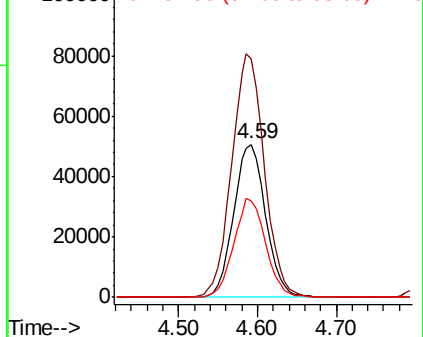
cis-1,2-Dichloroethene
Concen: 50.195 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 142644
Ion Ratio Lower Upper
96 100
61 163.0 0.0 322.0
98 64.4 0.0 128.4



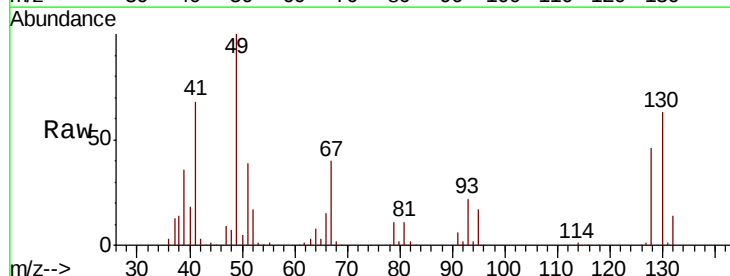
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



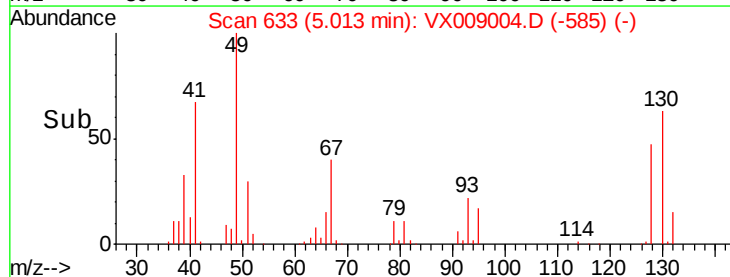
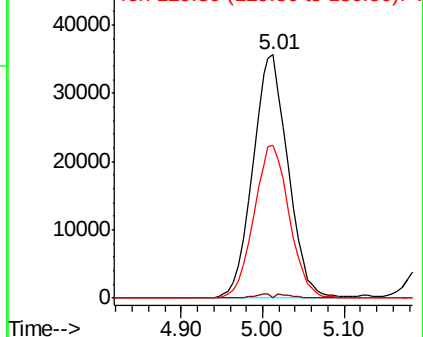
#28

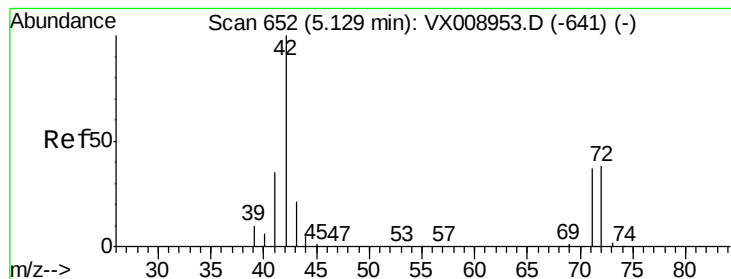
Bromochloromethane
Concen: 51.651 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Tgt Ion: 49 Resp: 107007
Ion Ratio Lower Upper
49 100
129 0.7 0.0 3.6
130 62.8 50.4 75.6



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 244.811 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

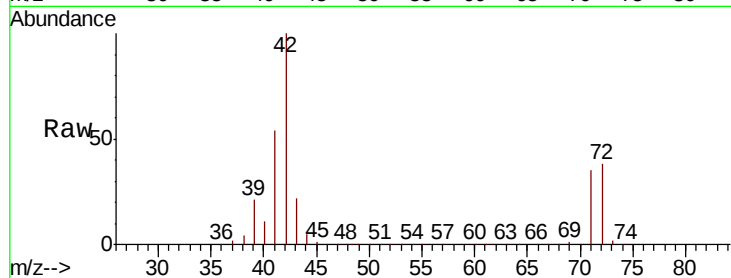
Tot Ion: 42 Resp: 418859

Ion Ratio Lower Upper

42 100

72 37.6 30.6 45.8

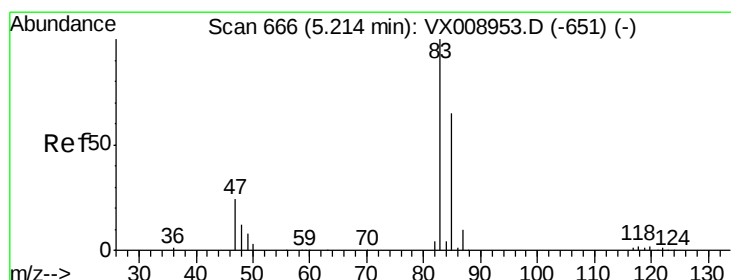
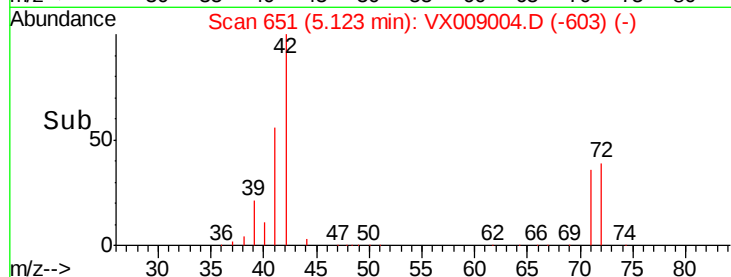
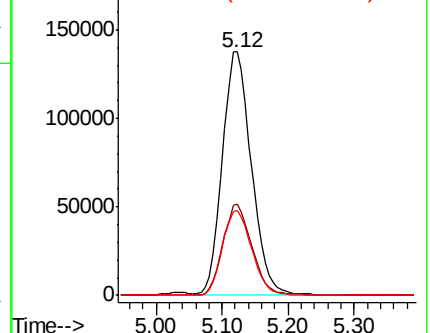
71 35.3 28.8 43.2



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 51.477 ug/l

RT: 5.20 min Scan# 664

Delta R.T. -0.01 min

Lab File: VX009004.D

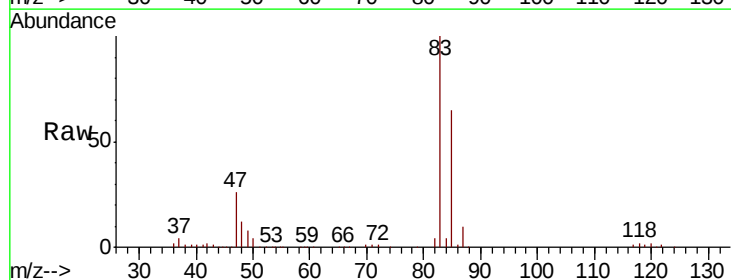
Acq: 17 Apr 2019 09:47

Tgt Ion: 83 Resp: 230042

Ion Ratio Lower Upper

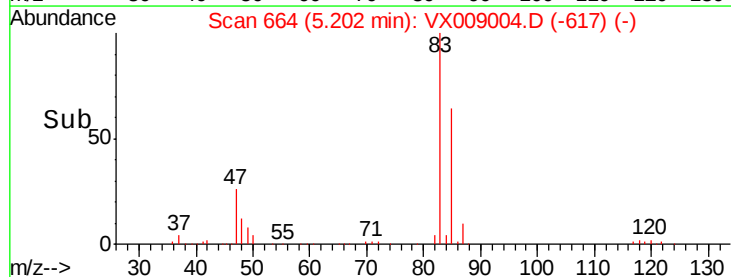
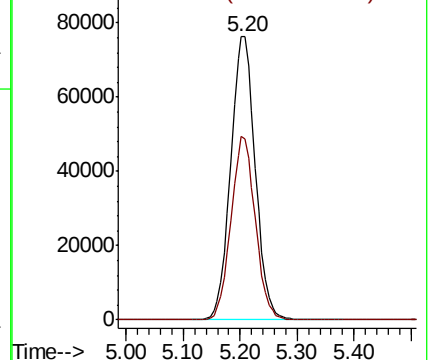
83 100

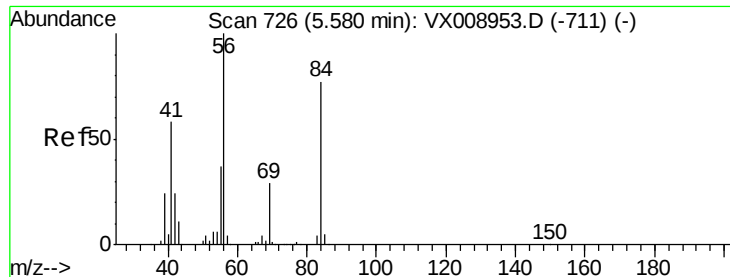
85 65.0 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

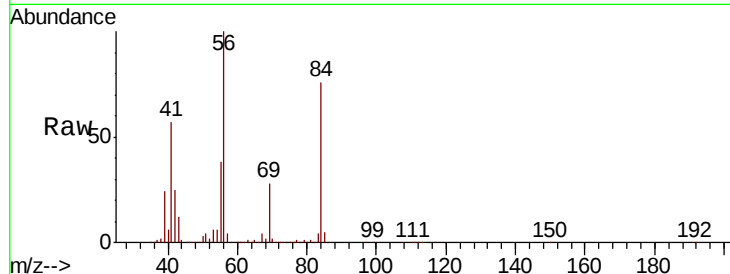




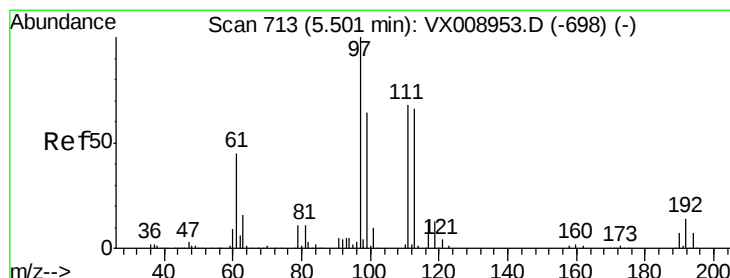
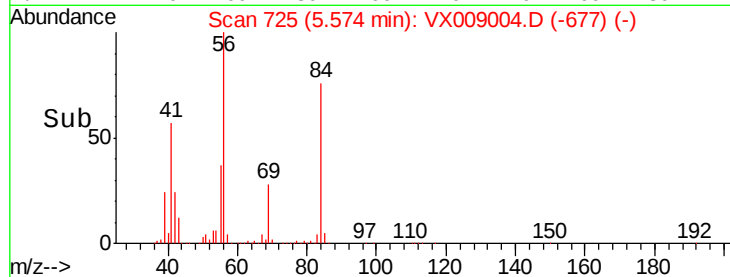
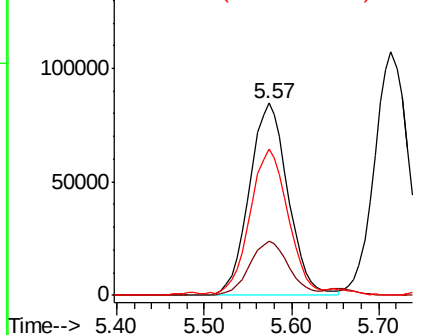
#31
Cvclohexane
Concen: 52.816 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 259421
Ion Ratio Lower Upper
56 100
69 28.4 23.3 34.9
84 74.7 61.7 92.5

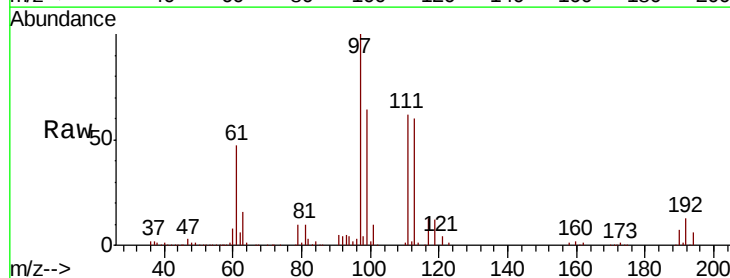


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

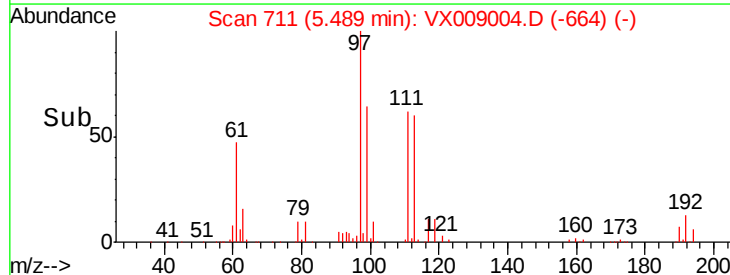
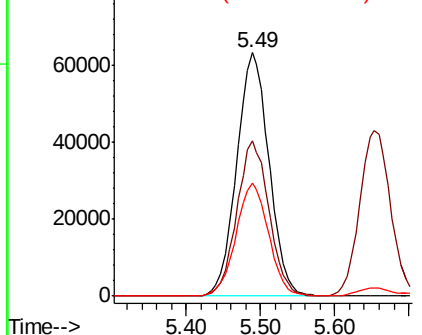


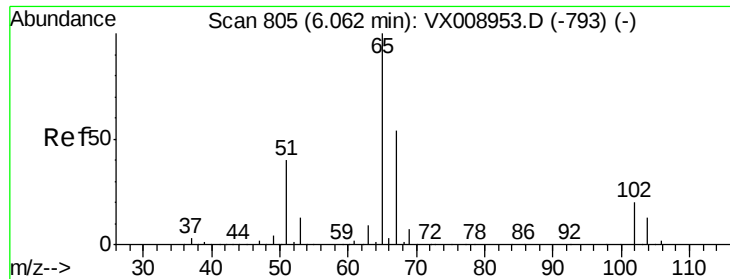
#32
1,1,1-Trichloroethane
Concen: 51.948 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Tgt Ion: 97 Resp: 192404
Ion Ratio Lower Upper
97 100
99 63.6 51.6 77.4
61 46.9 37.9 56.9



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.579 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

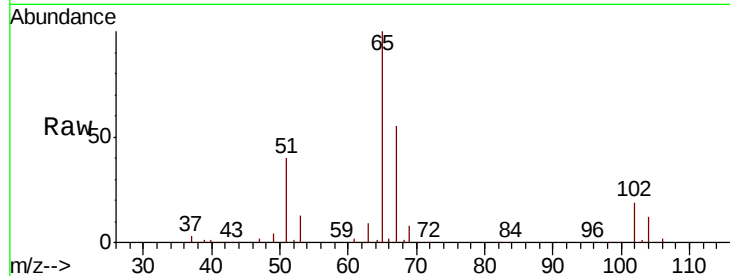
VSTDCCC050

Tot Ion: 65 Resp: 149810

Ion Ratio Lower Upper

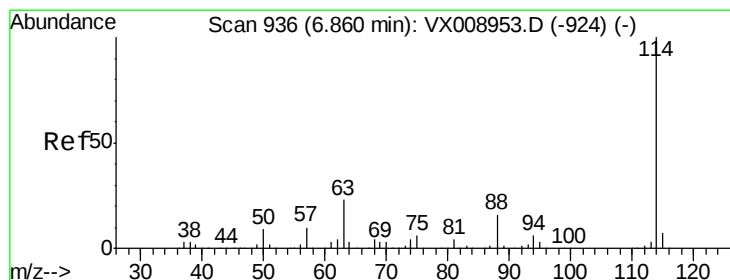
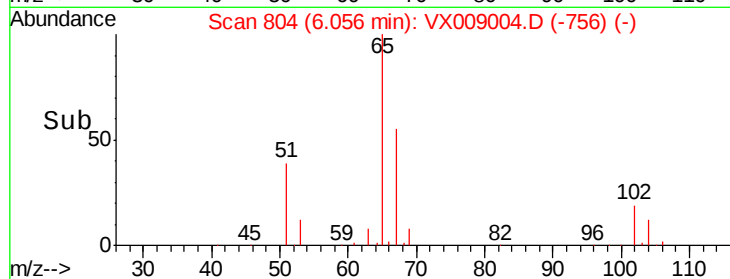
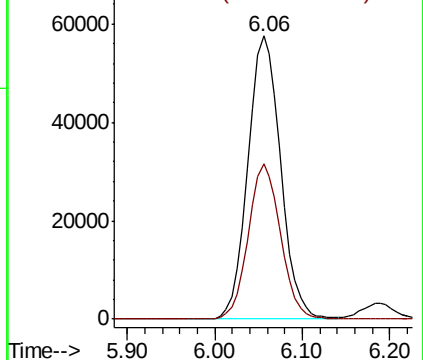
65 100

67 54.1 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

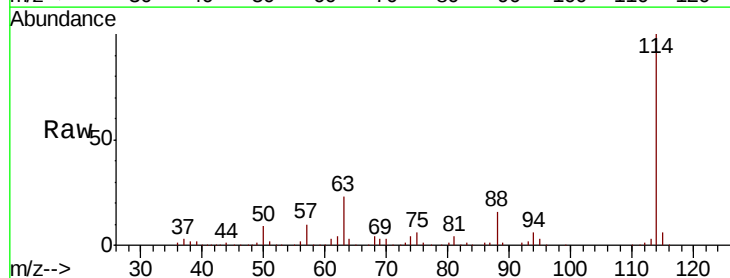
Tgt Ion: 114 Resp: 348048

Ion Ratio Lower Upper

114 100

63 23.3 0.0 46.0

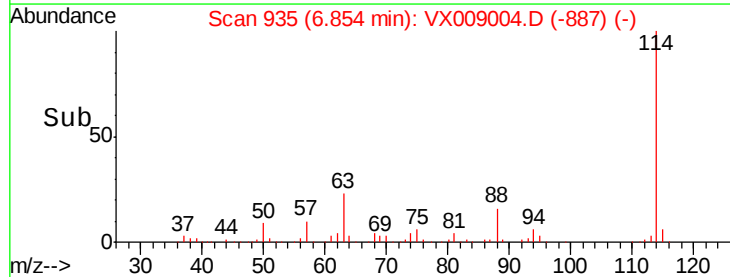
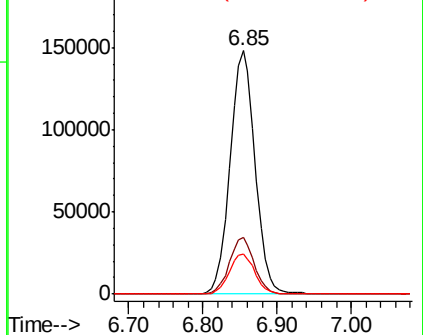
88 16.4 0.0 32.6

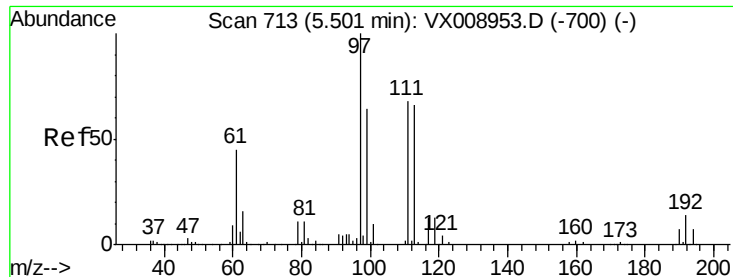


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

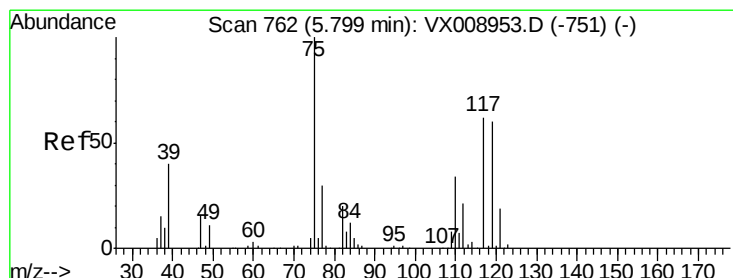
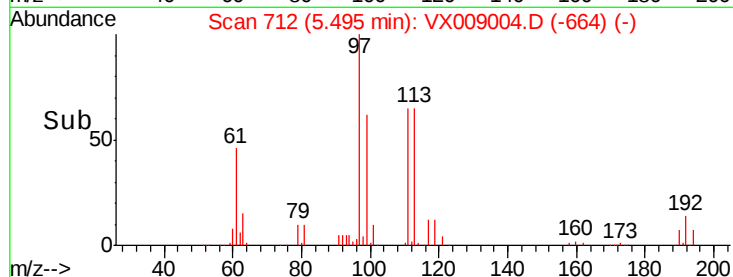
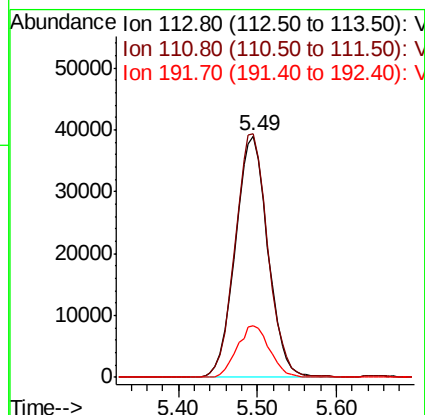
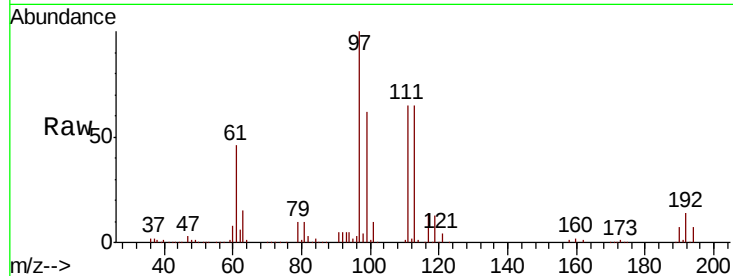




#35
 Dibromofluoromethane
 Concen: 49.955 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

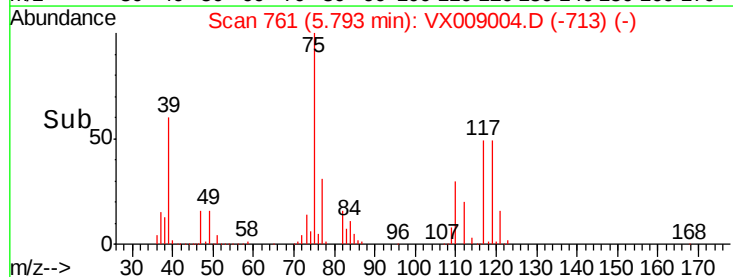
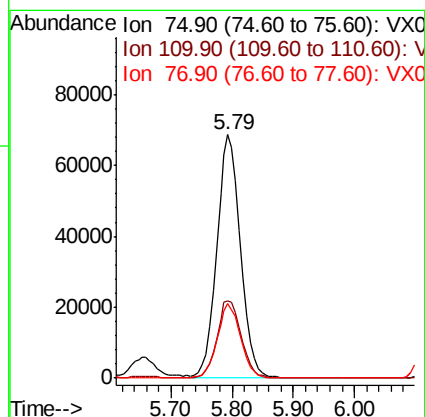
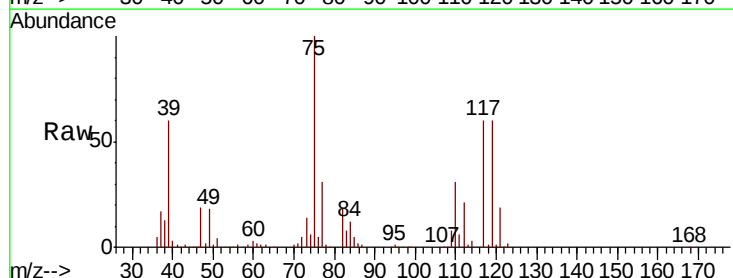
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

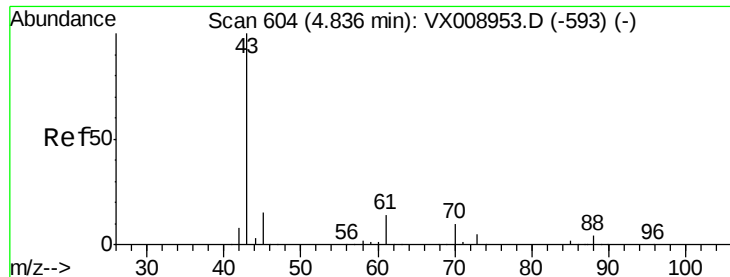
Tot Ion:113 Resp: 111583
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.9 124.3
 192 21.3 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 51.480 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

Tgt Ion: 75 Resp: 185307
 Ion Ratio Lower Upper
 75 100
 110 32.8 16.9 50.7
 77 30.4 25.0 37.4





#37

Ethyl Acetate

Concen: 52.417 ug/l

RT: 4.82 min Scan# 602

Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

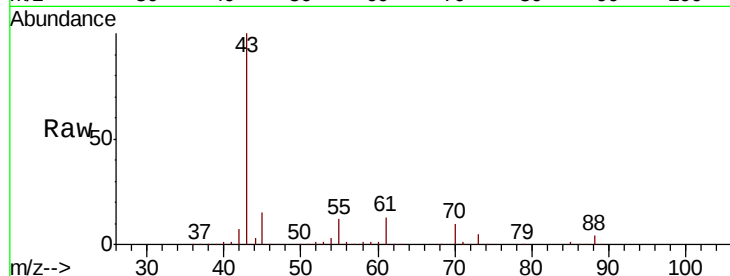
Tot Ion: 43 Resp: 242786

Ion Ratio Lower Upper

43 100

61 12.9 10.6 15.8

70 9.6 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

300000

250000

200000

150000

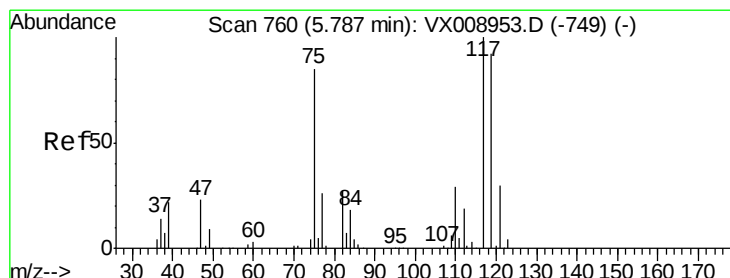
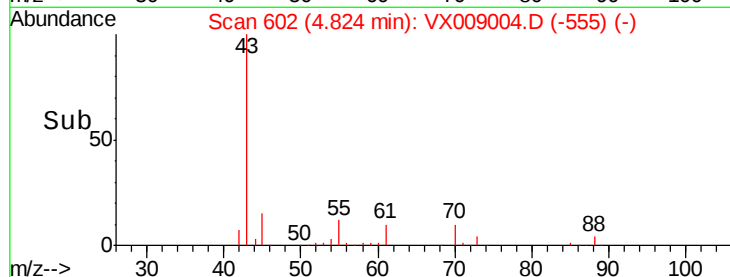
100000

50000

0

4.70 4.80 4.90 5.00

Time-->



#38

Carbon Tetrachloride

Concen: 52.734 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

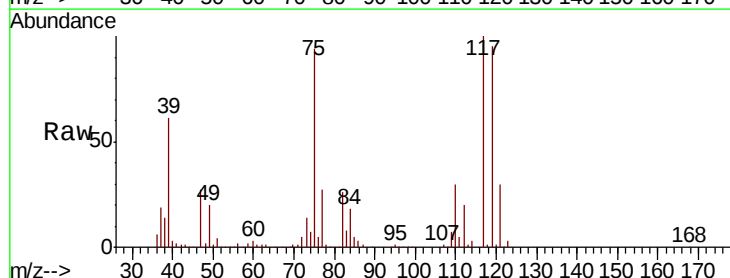
Tgt Ion: 117 Resp: 160922

Ion Ratio Lower Upper

117 100

119 95.2 73.8 110.8

121 30.4 23.6 35.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

60000

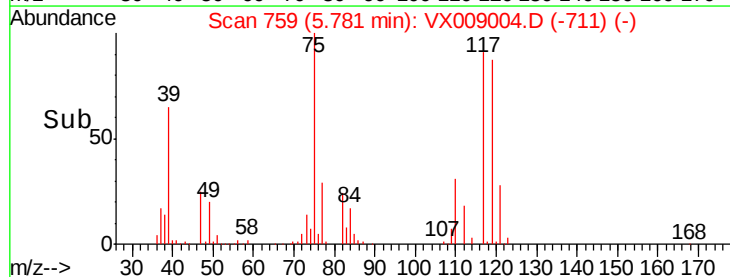
40000

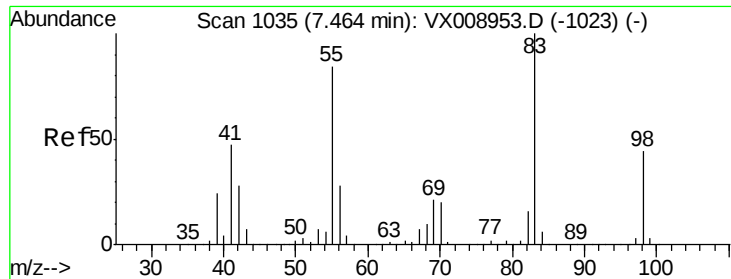
20000

0

5.70 5.80 5.90

Time-->

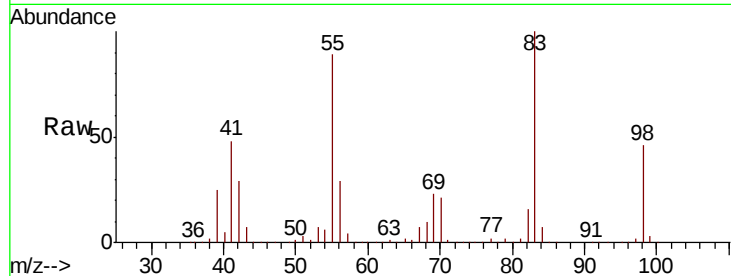




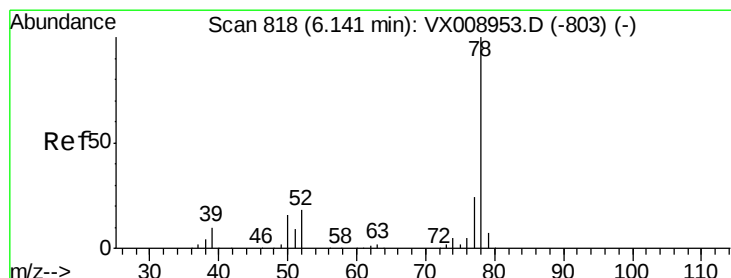
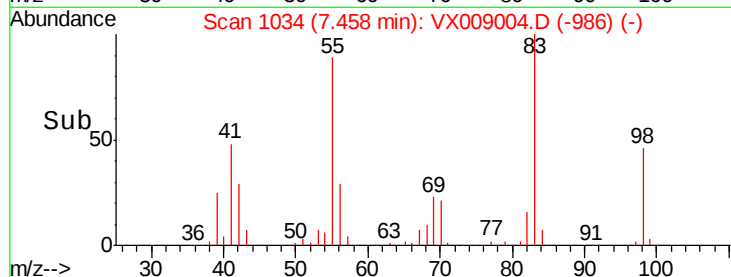
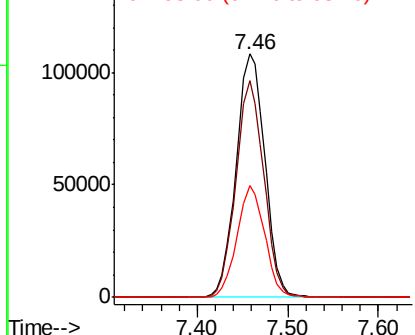
#39
Methvlcvclohexane
Concen: 54.388 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 238360
Ion Ratio Lower Upper
83 100
55 88.8 67.1 100.7
98 45.8 35.1 52.7

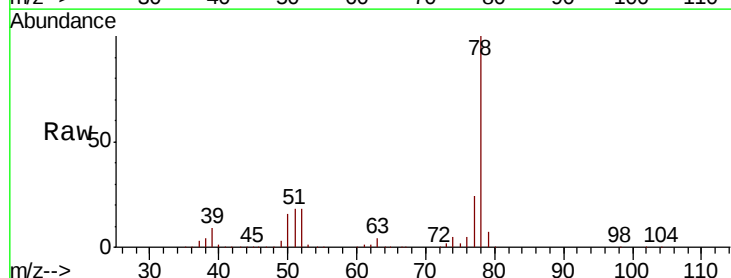


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

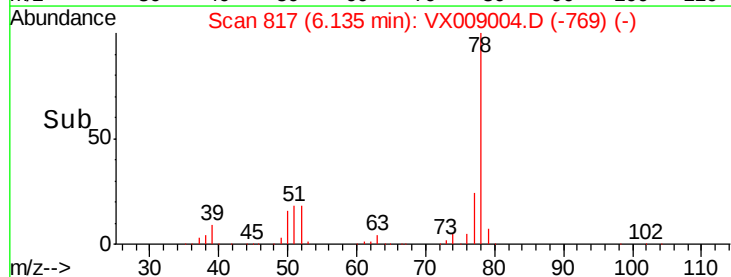
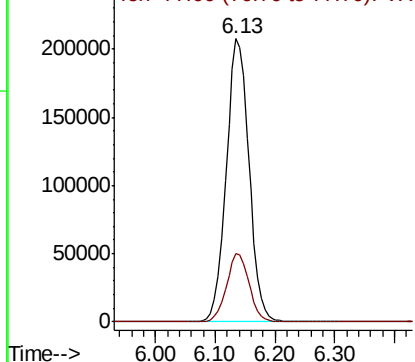


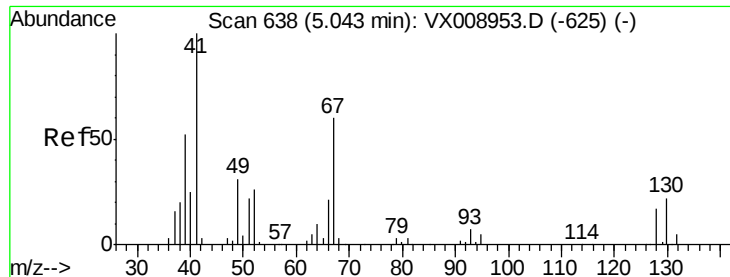
#40
Benzene
Concen: 51.907 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Tgt Ion: 78 Resp: 551201
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 50.575 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 134445

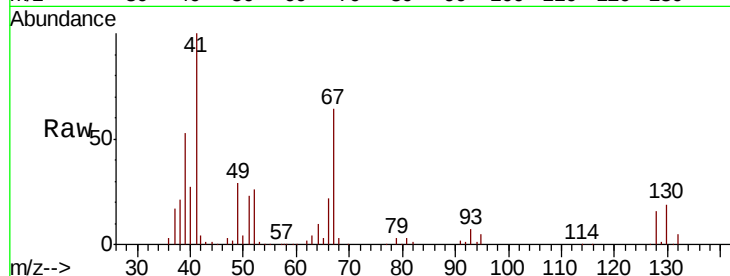
Ion Ratio Lower Upper

41 100

39 54.5 41.8 62.6

67 65.1 50.2 75.4

52 27.6 21.1 31.7

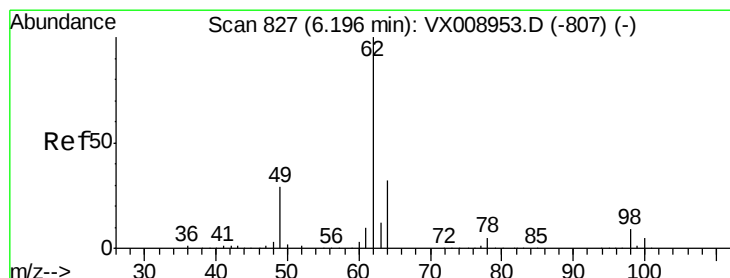
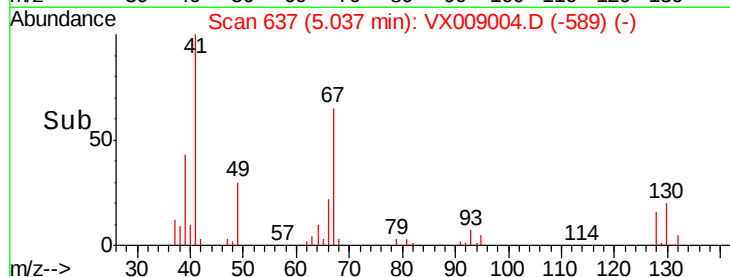
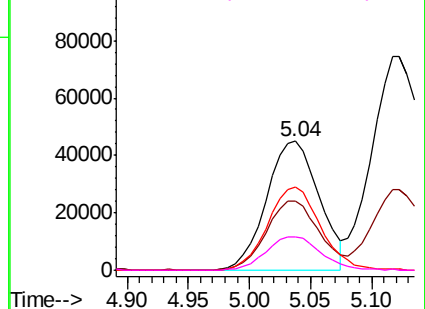


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 51.843 ug/l

RT: 6.18 min Scan# 825

Delta R.T. -0.01 min

Lab File: VX009004.D

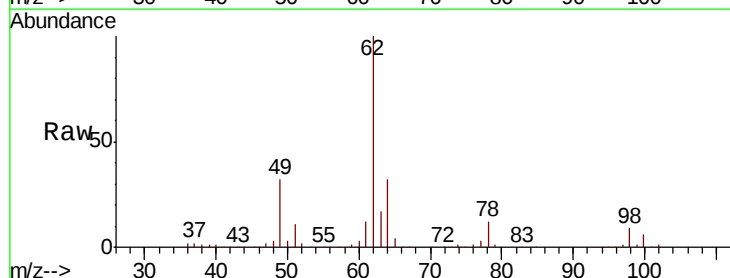
Acq: 17 Apr 2019 09:47

Tgt Ion: 62 Resp: 195016

Ion Ratio Lower Upper

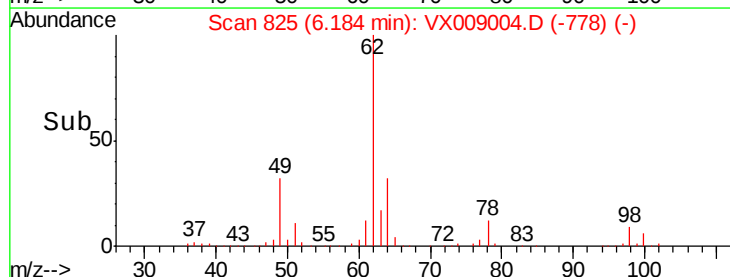
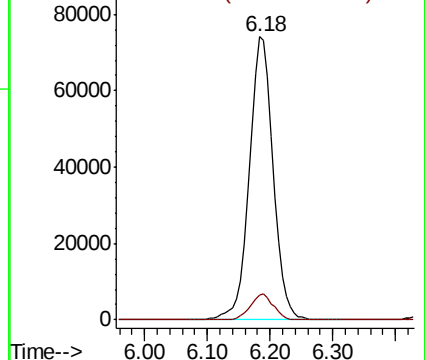
62 100

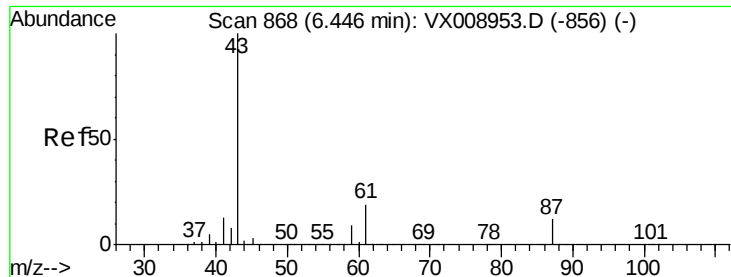
98 8.8 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



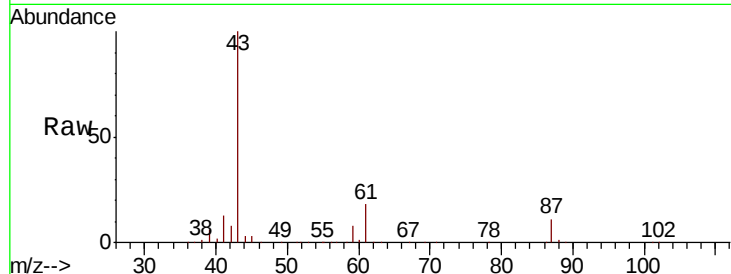


#43

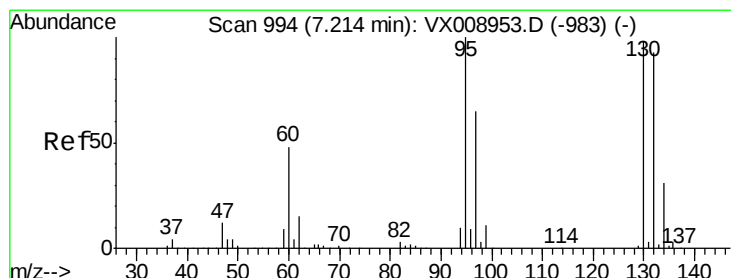
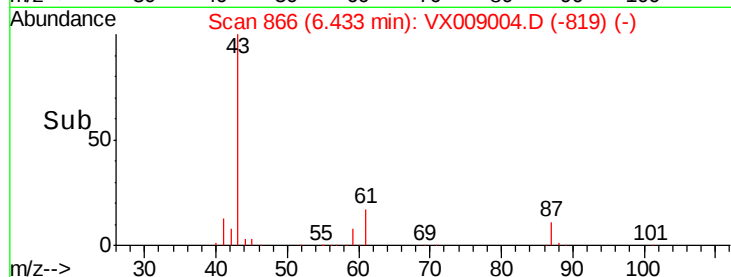
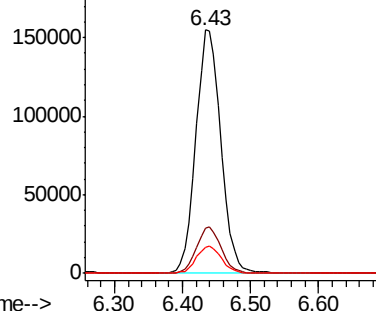
Isopropyl Acetate
 Concen: 52.697 ug/l
 RT: 6.43 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 393343
 Ion Ratio Lower Upper
 43 100
 61 18.9 15.4 23.0
 87 11.1 9.0 13.4



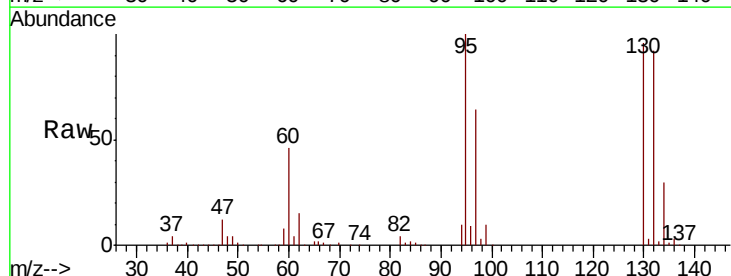
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



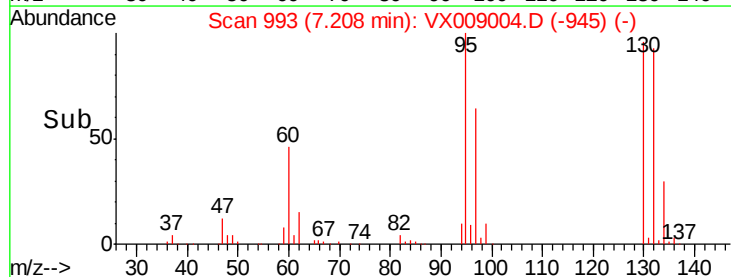
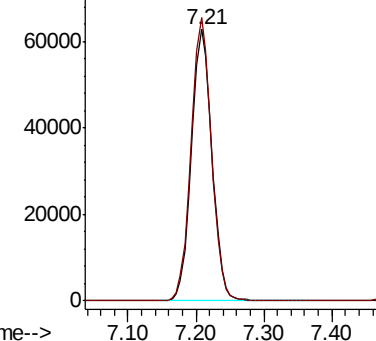
#44

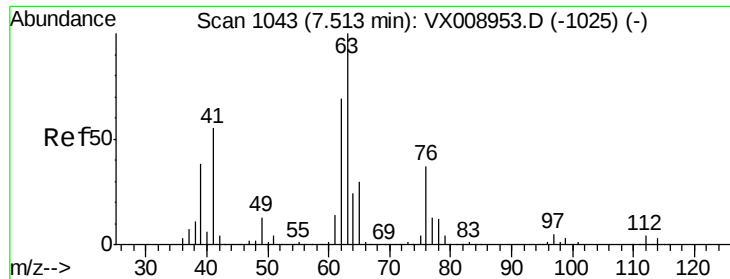
Trichloroethene
 Concen: 50.742 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

Tgt Ion:130 Resp: 132024
 Ion Ratio Lower Upper
 130 100
 95 104.2 0.0 203.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 53.387 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

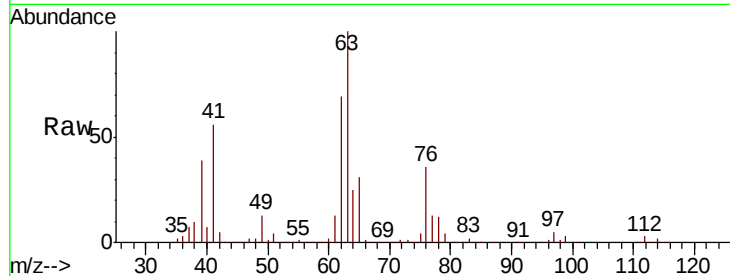
VSTDCCC050

Tot Ion: 63 Resp: 157277

Ion Ratio Lower Upper

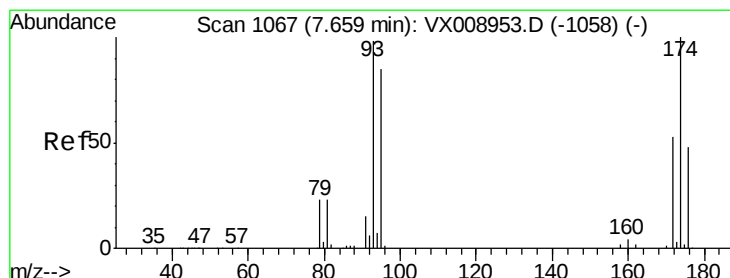
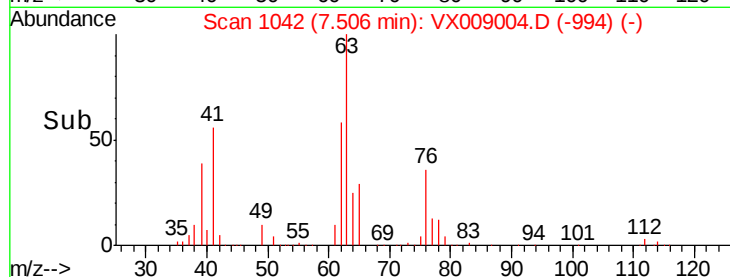
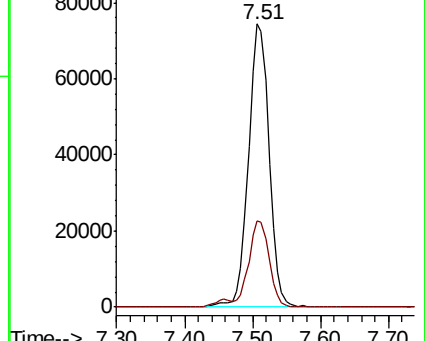
63 100

65 30.5 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 51.223 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

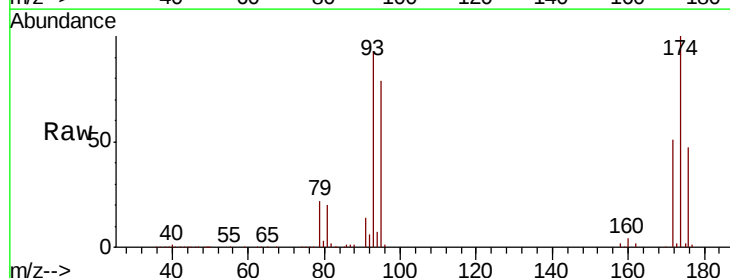
Tgt Ion: 93 Resp: 87821

Ion Ratio Lower Upper

93 100

95 83.9 67.0 100.4

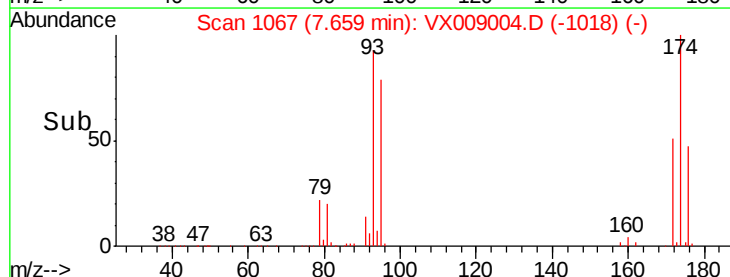
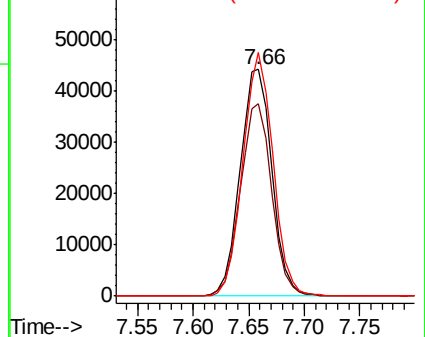
174 102.1 81.6 122.4

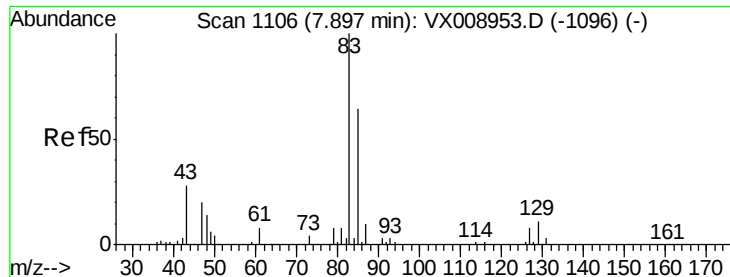


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.873 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

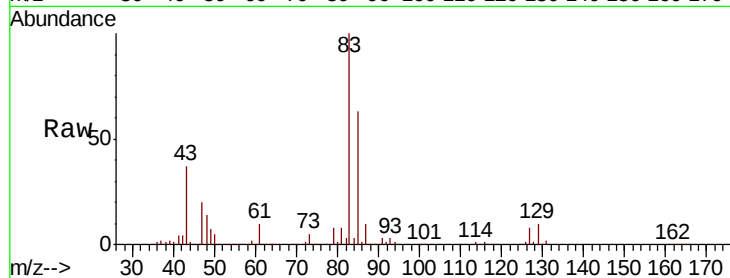
Tot Ion: 83 Resp: 177797

Ion Ratio Lower Upper

83 100

85 63.2 50.8 76.2

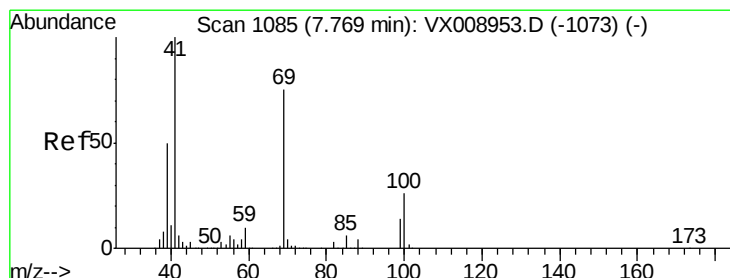
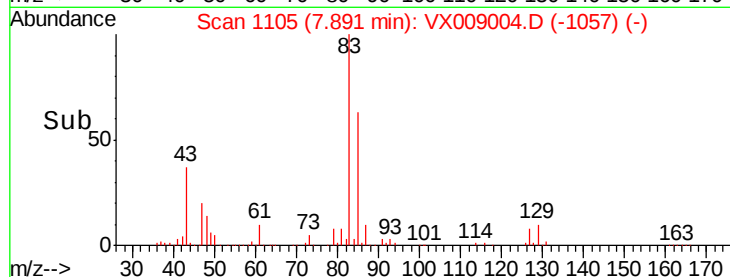
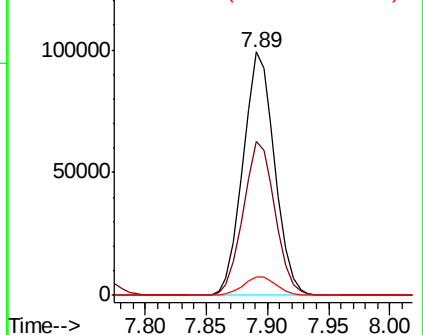
127 7.6 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 53.404 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

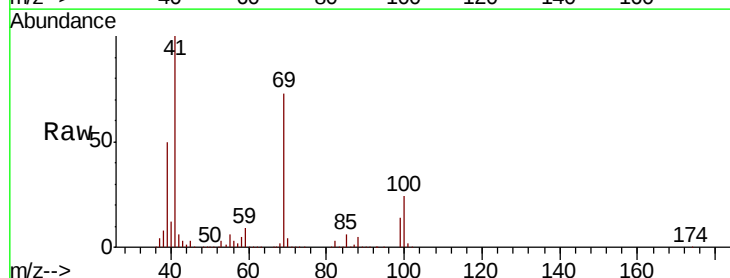
Tgt Ion: 41 Resp: 196961

Ion Ratio Lower Upper

41 100

69 74.1 59.4 89.2

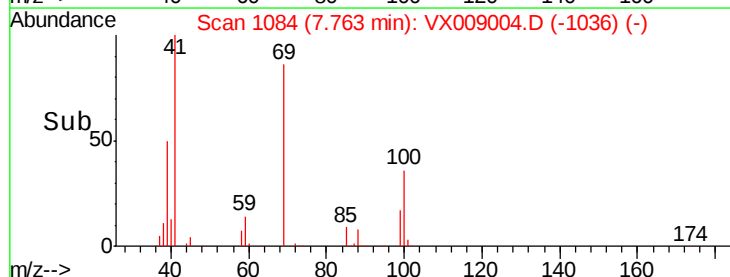
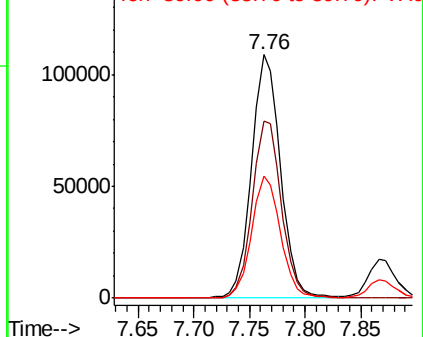
39 50.1 39.8 59.6

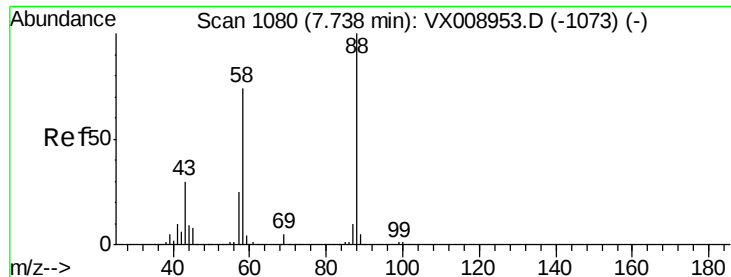


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

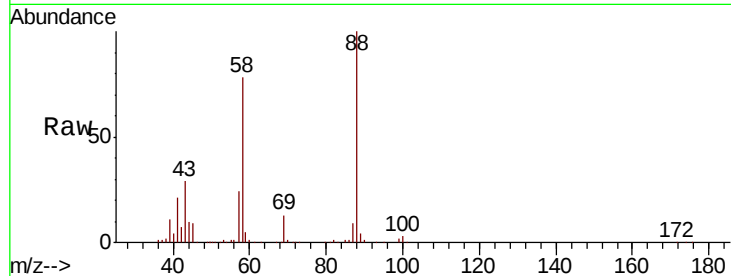




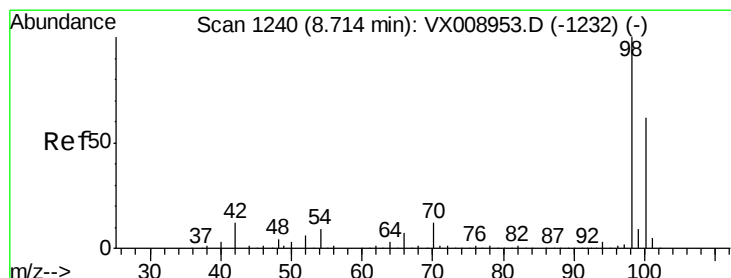
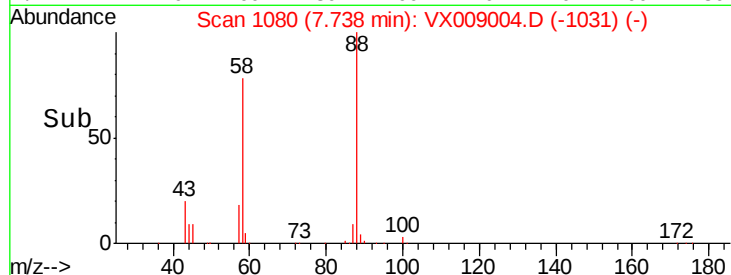
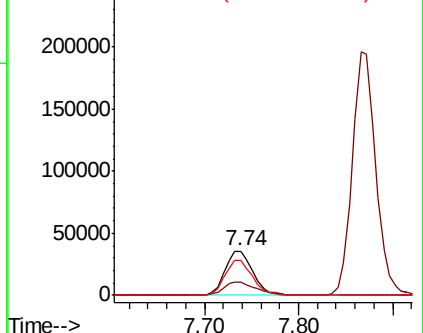
#49
1,4-Dioxane
Concen: 1043.959 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 72065
Ion Ratio Lower Upper
88 100
43 35.7 29.3 43.9
58 80.9 62.6 93.8

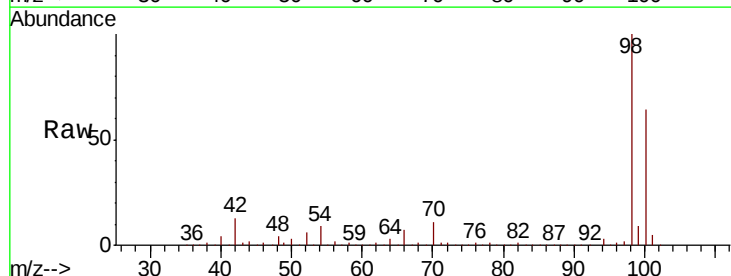


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

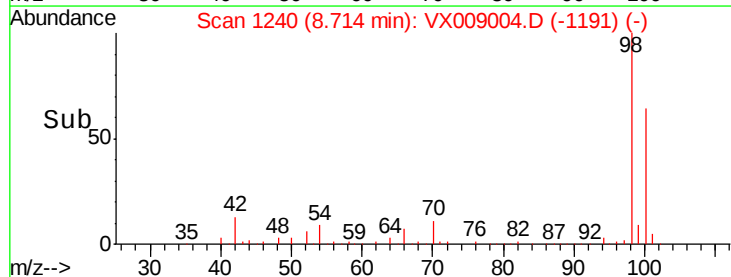
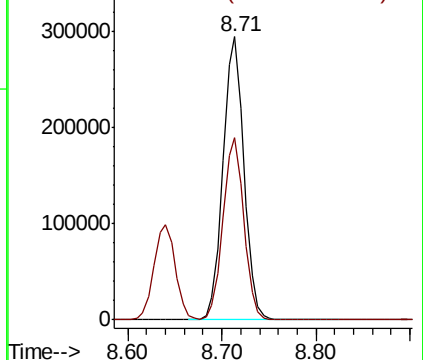


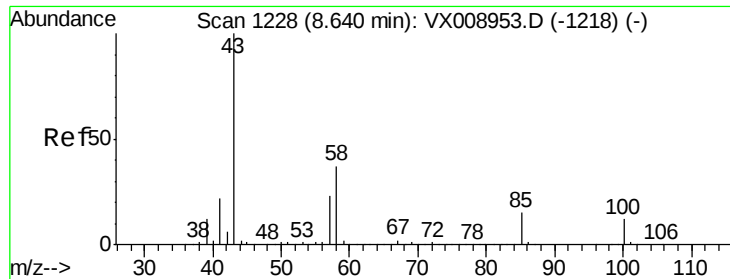
#50
Toluene-d8
Concen: 50.762 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Tgt Ion: 98 Resp: 452190
Ion Ratio Lower Upper
98 100
100 64.1 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

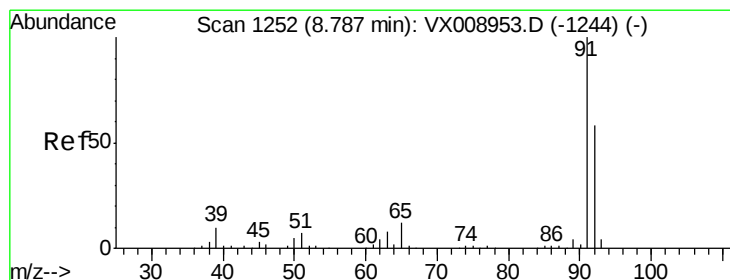
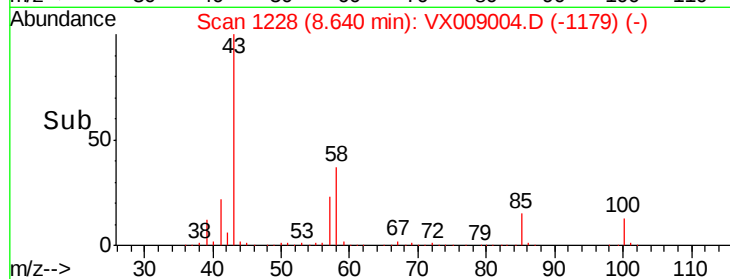
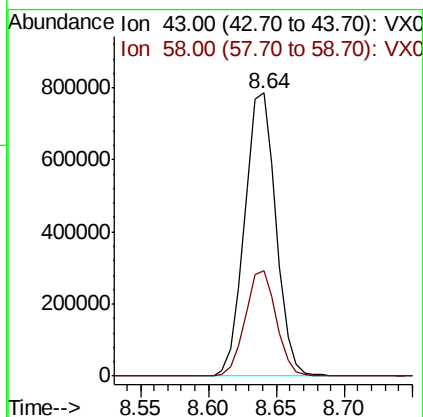
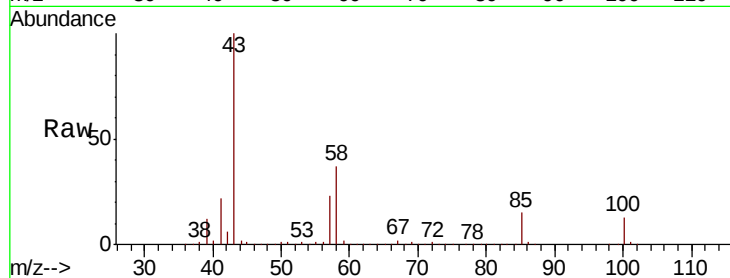




#51
4-Methyl-2-Pentanone
Concen: 266.740 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

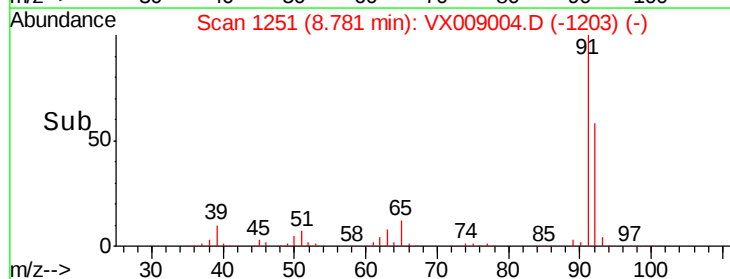
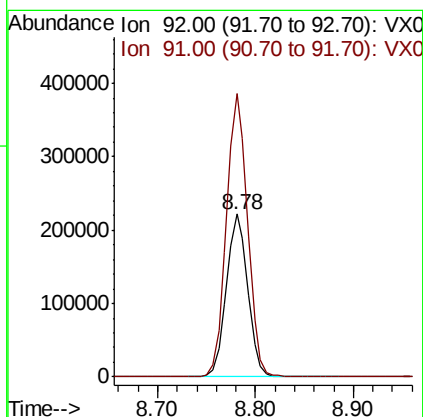
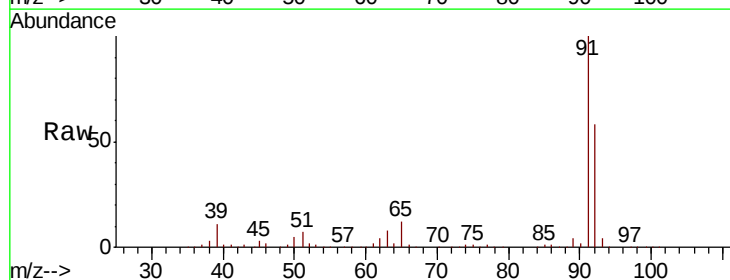
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

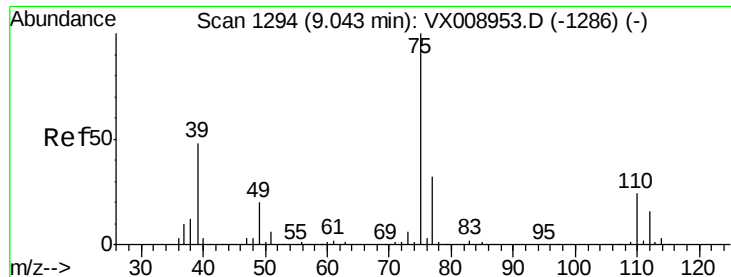
Tot Ion: 43 Resp: 1268419
Ion Ratio Lower Upper
43 100
58 36.8 29.8 44.6



#52
Toluene
Concen: 52.614 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Tgt Ion: 92 Resp: 334843
Ion Ratio Lower Upper
92 100
91 173.5 138.5 207.7

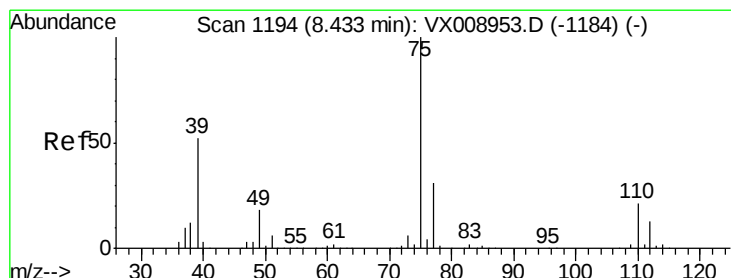
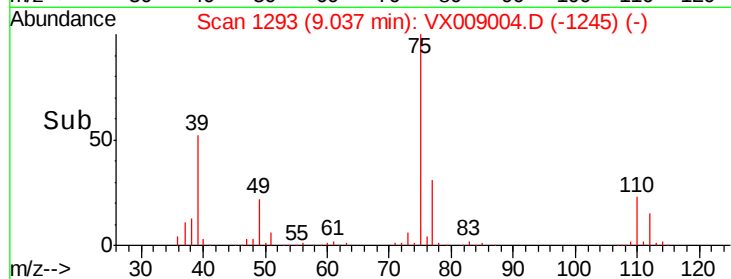
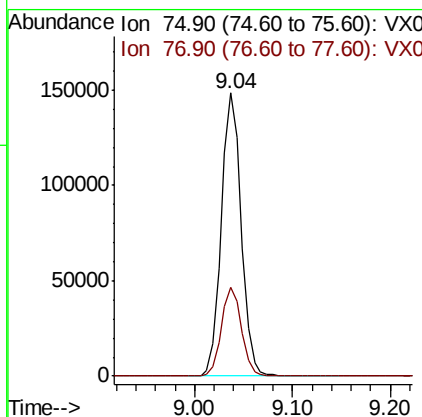
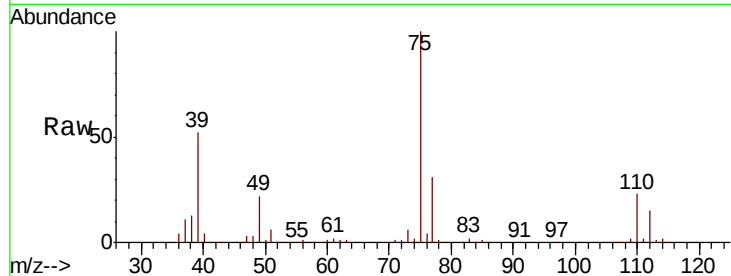




#53
 t-1,3-Dichloropropene
 Concen: 54.276 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

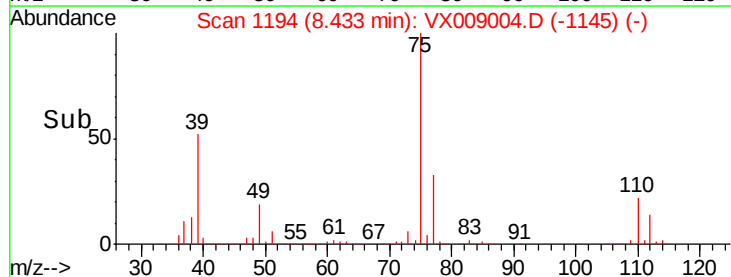
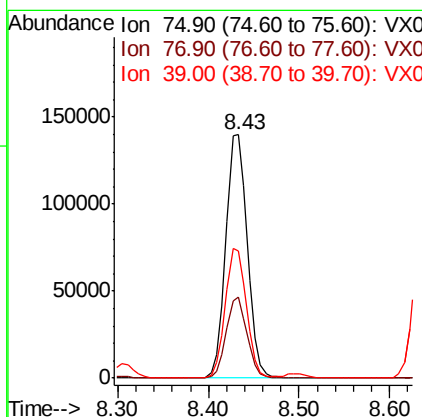
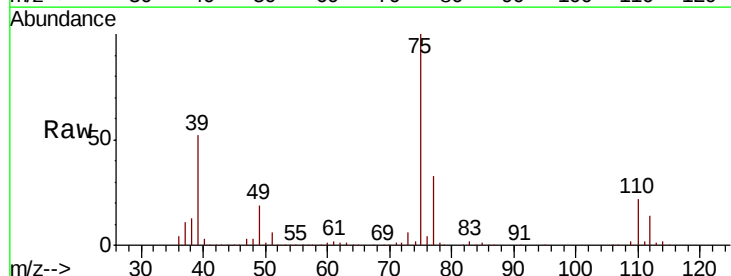
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

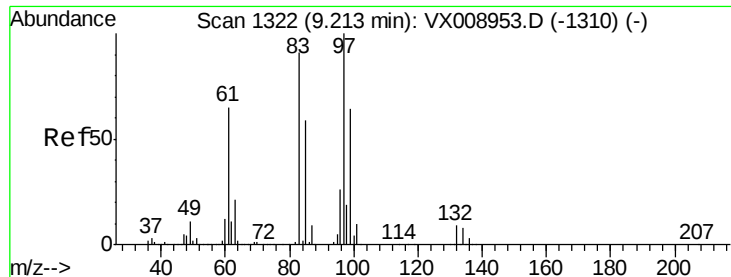
Tot Ion: 75 Resp: 210050
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 53.459 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

Tgt Ion: 75 Resp: 231660
 Ion Ratio Lower Upper
 75 100
 77 33.3 24.8 37.2
 39 52.0 41.8 62.6

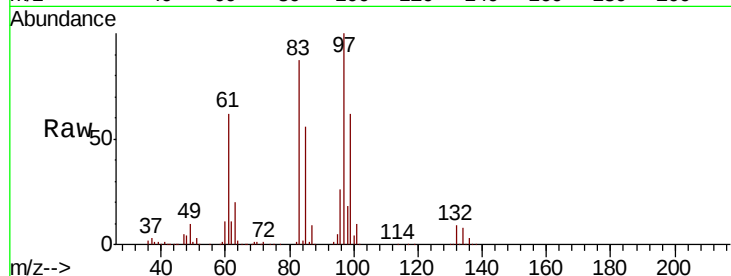




#55
 1,1,2-Trichloroethane
 Concen: 52.803 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.1	72.6	108.8
85	55.9	46.9	70.3
99	61.8	51.0	76.6



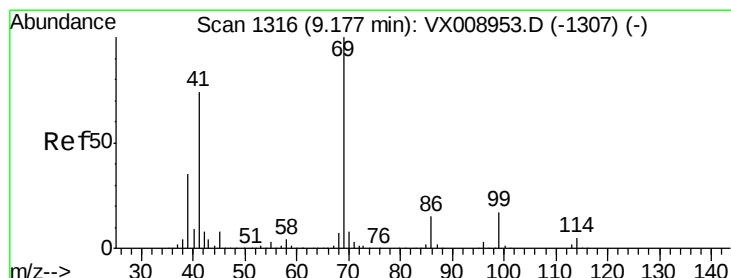
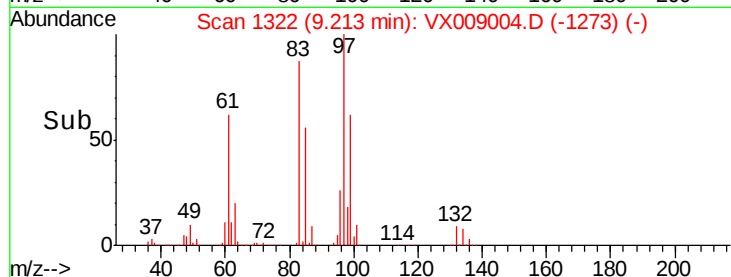
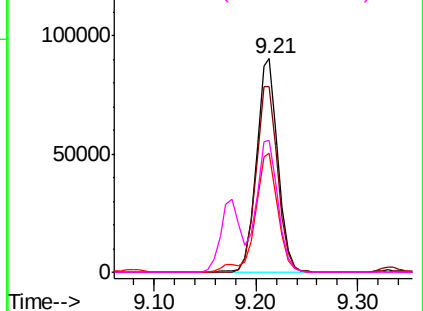
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

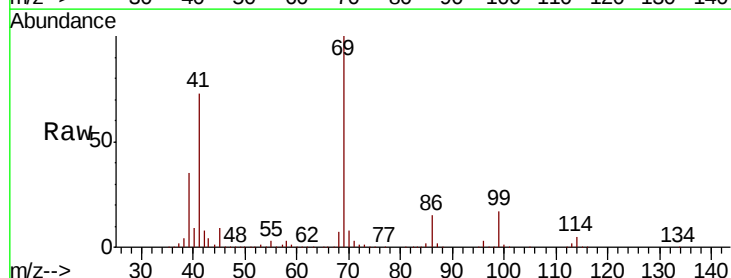
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 55.098 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

Tgt Ion	Ratio	Lower	Upper
69	100		
41	75.5	60.2	90.2
39	35.4	27.9	41.9

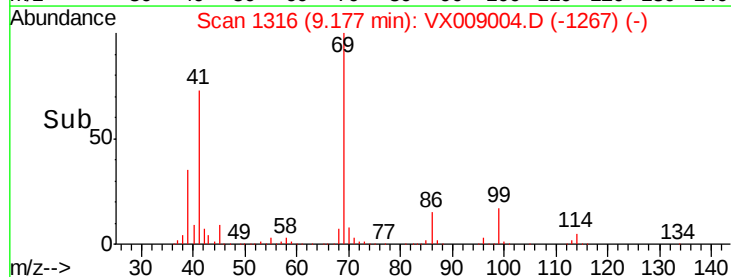
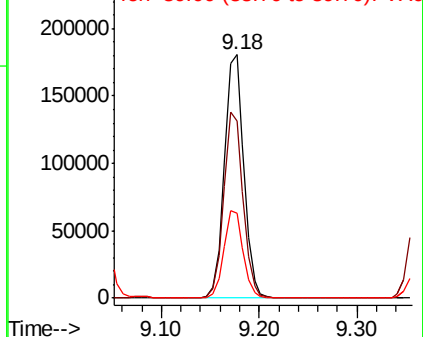


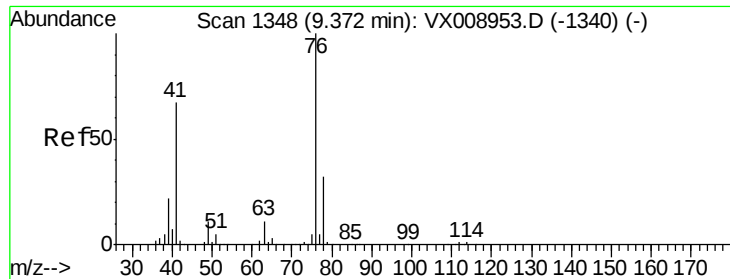
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 52.393 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

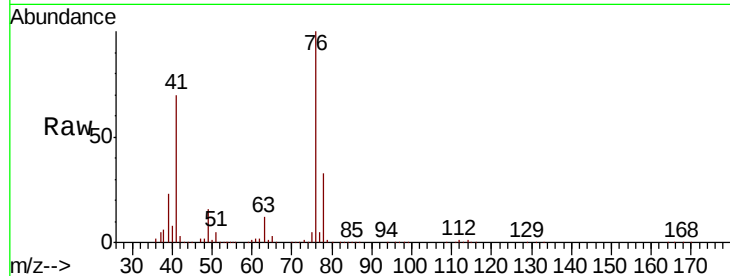
VSTDCCC050

Tot Ion: 76 Resp: 235292

Ion Ratio Lower Upper

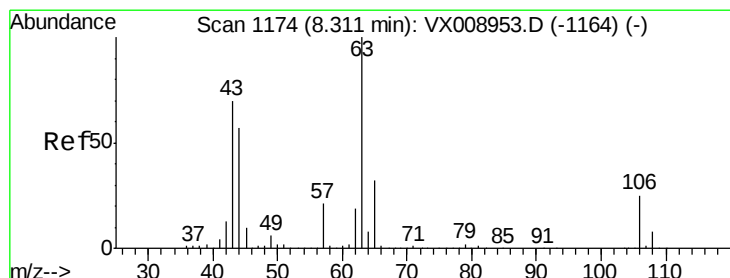
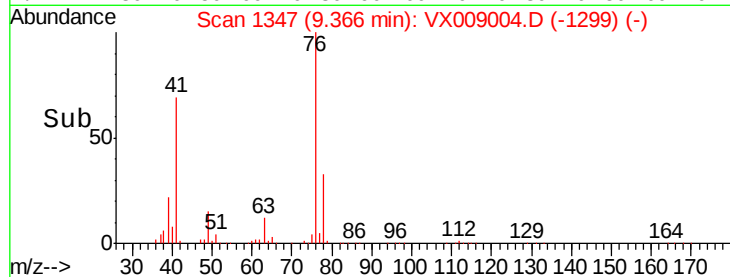
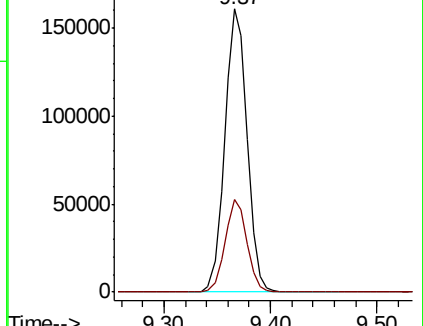
76 100

78 32.1 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 268.889 ug/l

RT: 8.31 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX009004.D

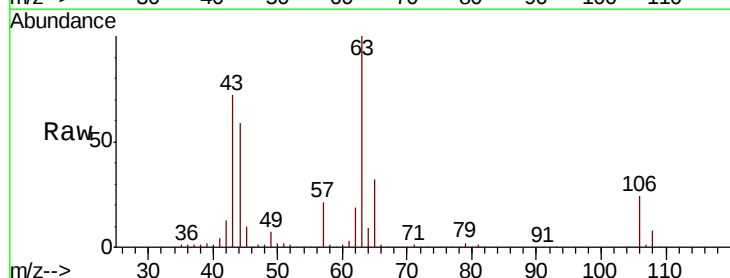
Acq: 17 Apr 2019 09:47

Tgt Ion: 63 Resp: 654874

Ion Ratio Lower Upper

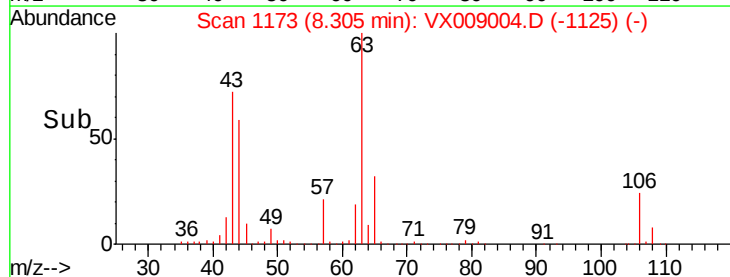
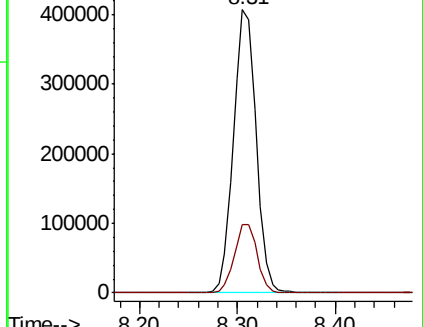
63 100

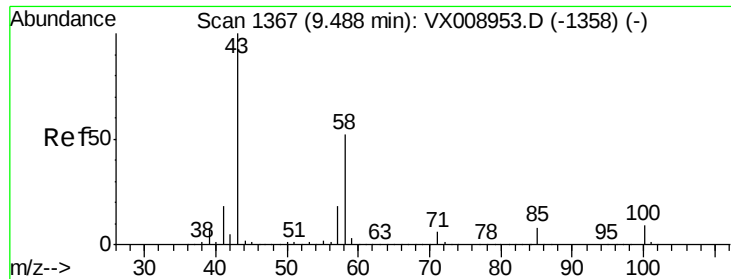
106 24.5 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

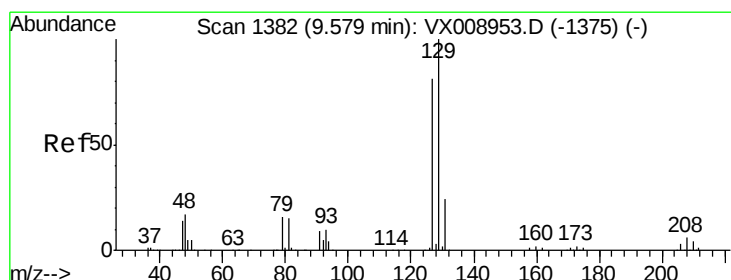
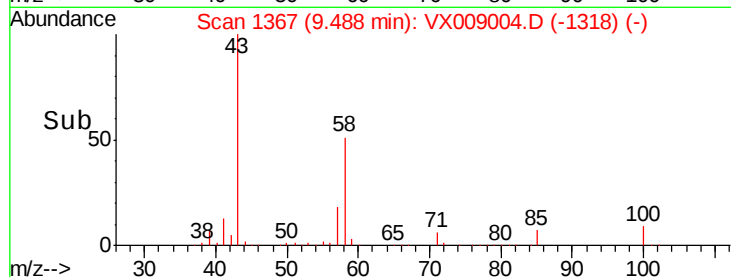
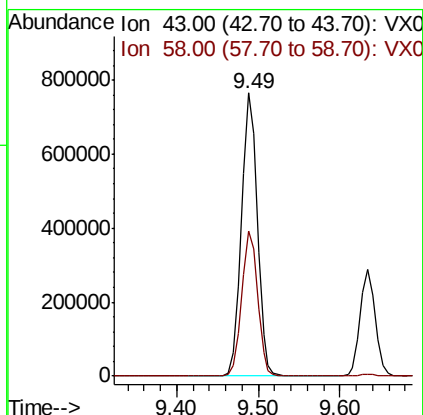
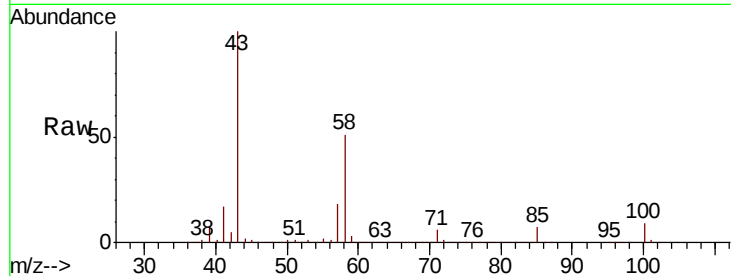




#59
2-Hexanone
Concen: 277.600 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

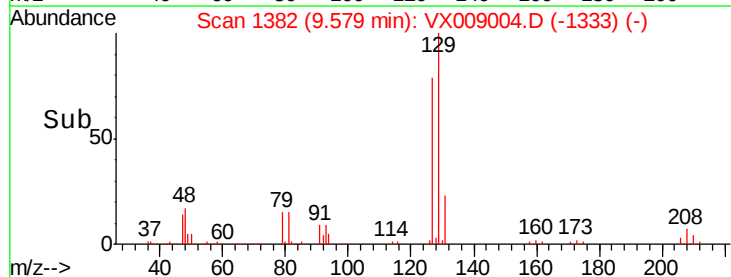
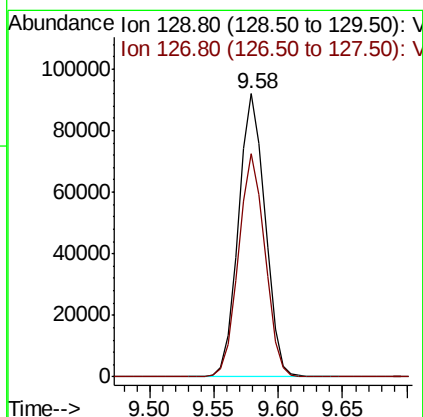
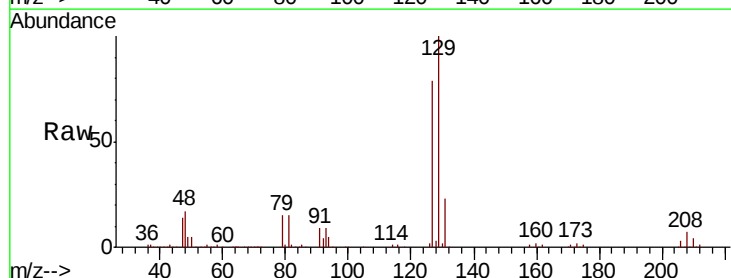
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

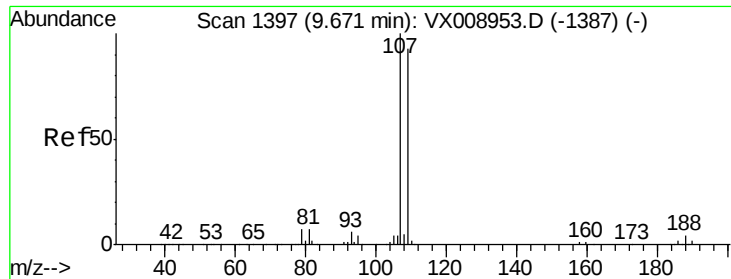
Tot Ion: 43 Resp: 1017740
Ion Ratio Lower Upper
43 100
58 51.4 25.9 77.8



#60
Dibromochloromethane
Concen: 54.709 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Tgt Ion: 129 Resp: 132253
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 52.212 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

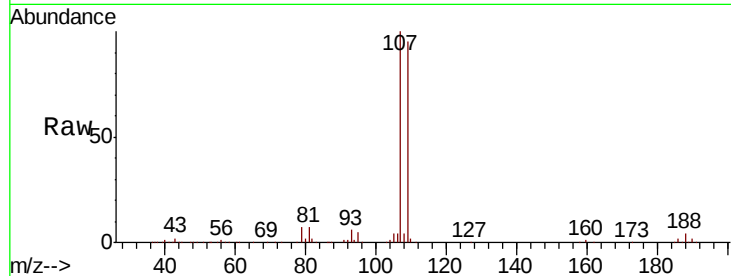
VSTDCCC050

Tot Ion:107 Resp: 135919

Ion Ratio Lower Upper

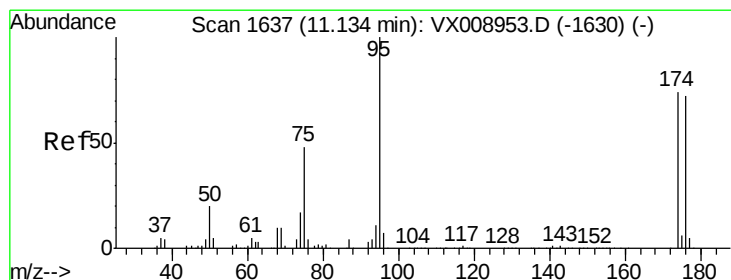
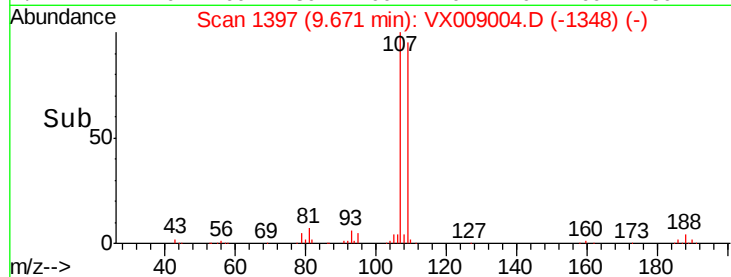
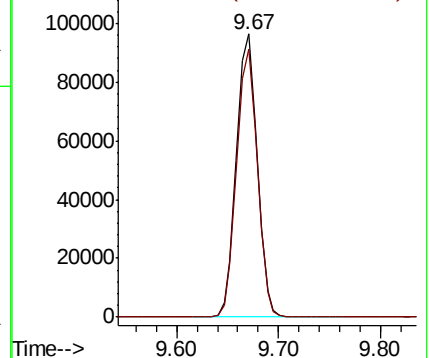
107 100

109 94.5 74.4 111.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.057 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

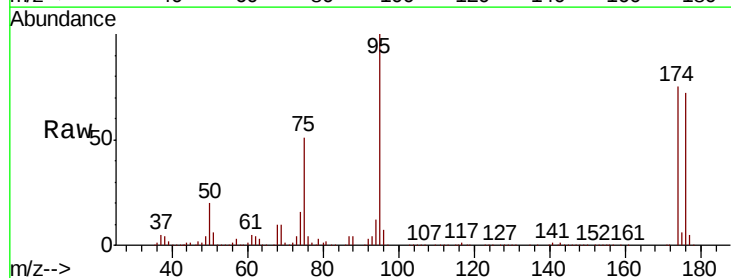
Tgt Ion: 95 Resp: 169985

Ion Ratio Lower Upper

95 100

174 79.4 0.0 159.6

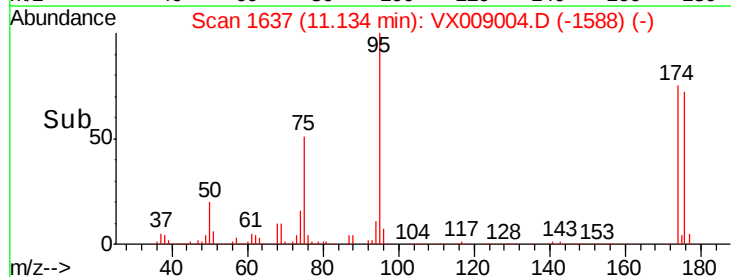
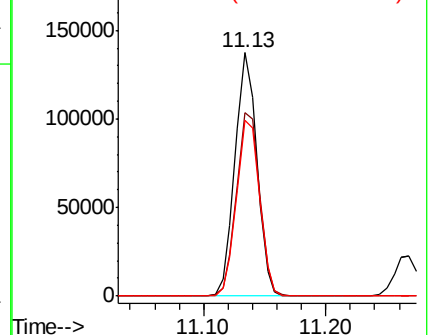
176 76.2 0.0 154.8

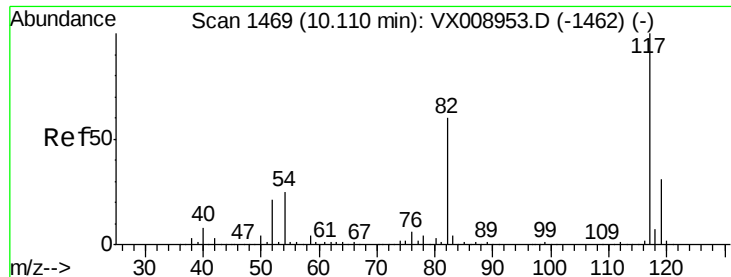


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

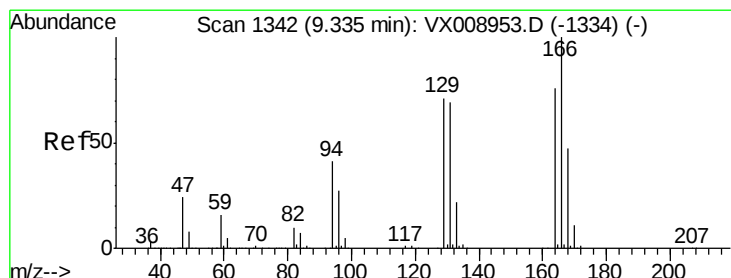
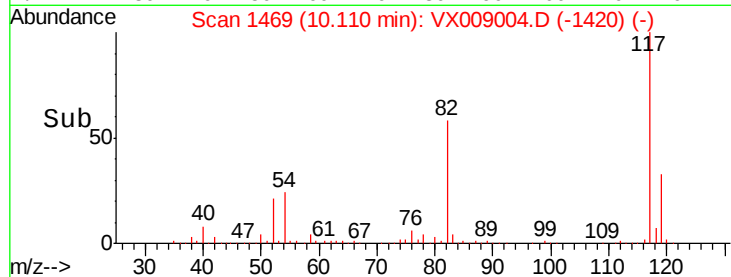
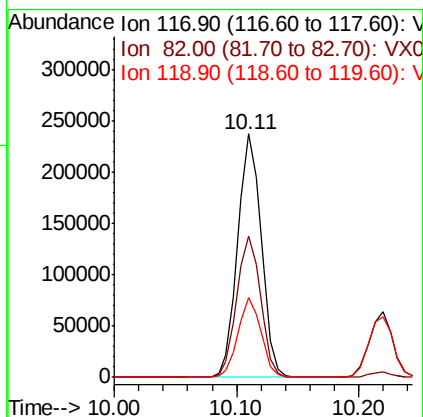
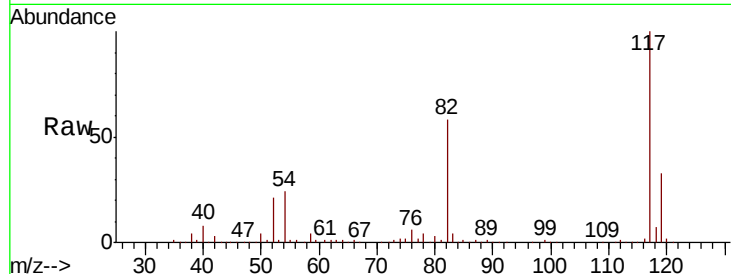




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

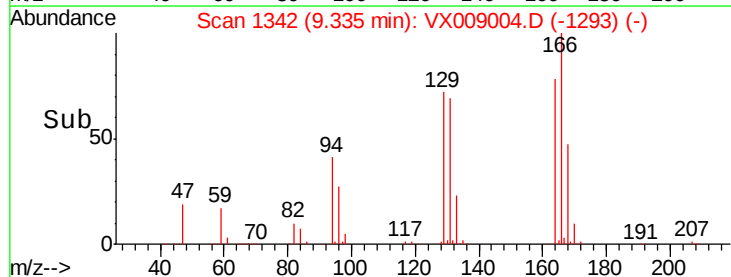
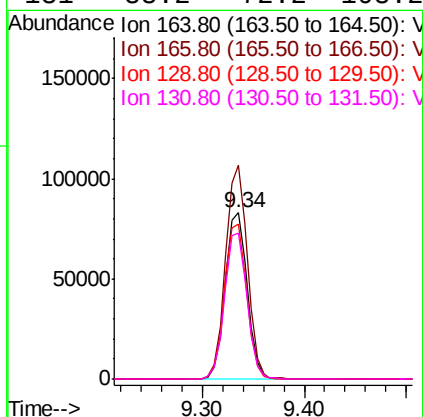
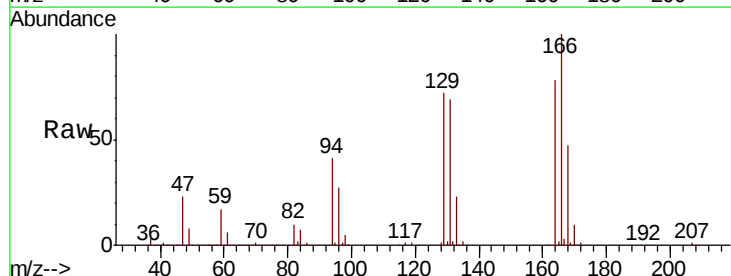
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

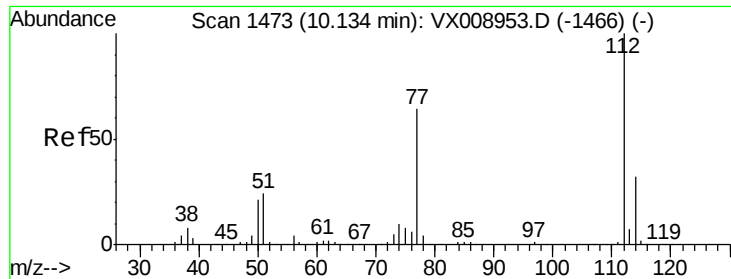
Tot Ion:117 Resp: 315590
Ion Ratio Lower Upper
117 100
82 58.2 48.2 72.4
119 32.7 25.0 37.6



#64
Tetrachloroethene
Concen: 51.563 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Tgt Ion:164 Resp: 123621
Ion Ratio Lower Upper
164 100
166 128.5 105.0 157.4
129 93.2 74.2 111.4
131 88.2 72.2 108.2

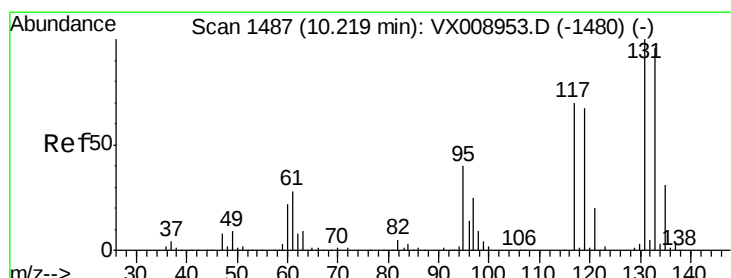
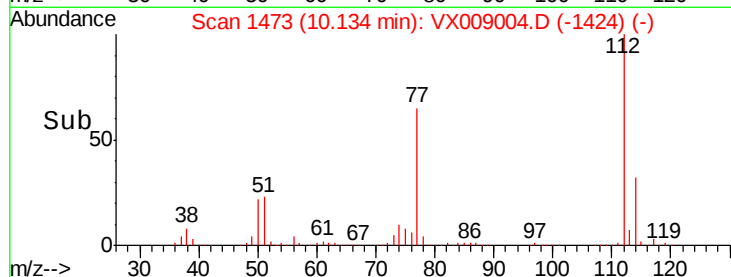
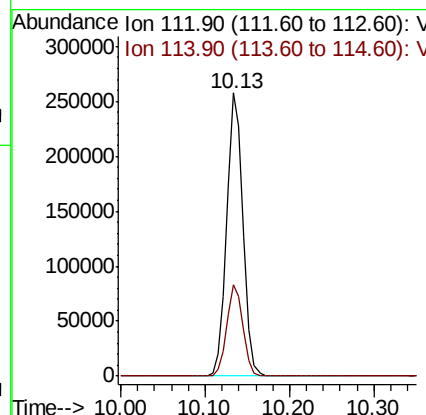
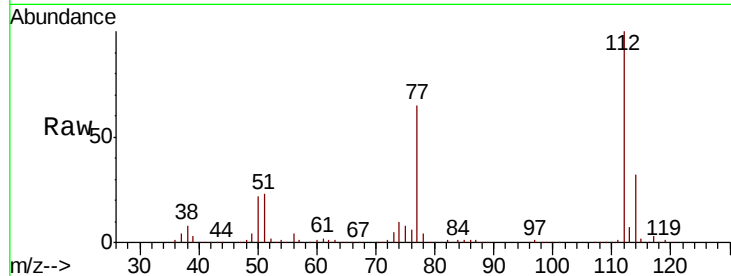




#65
Chlorobenzene
Concen: 51.797 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

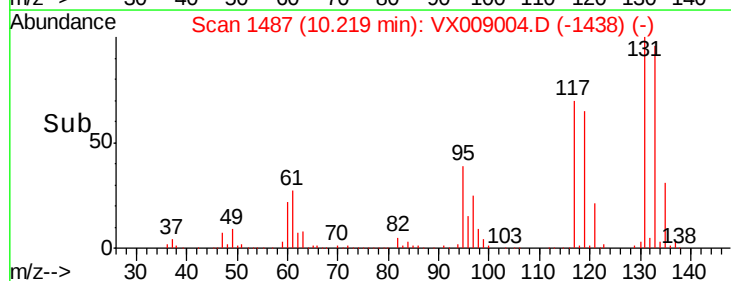
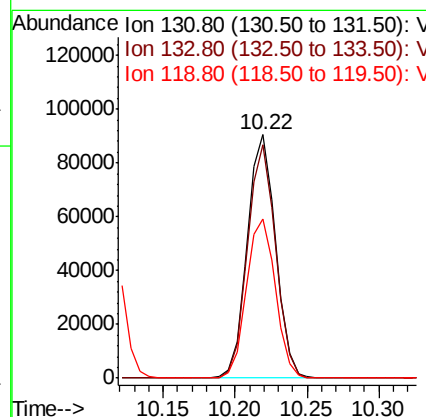
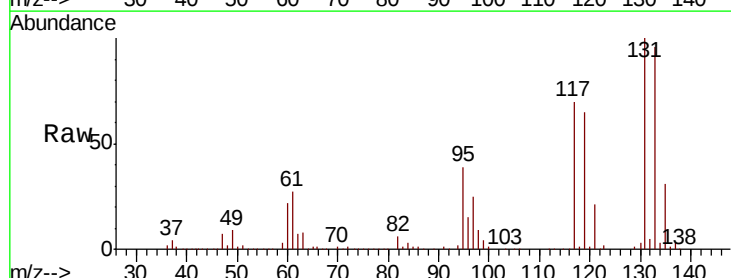
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

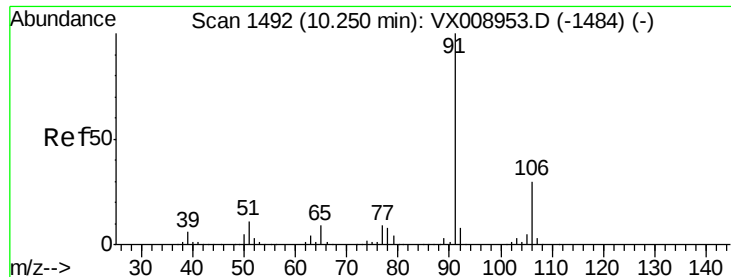
Tot Ion:112 Resp: 345035
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 52.243 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Tgt Ion:131 Resp: 122596
Ion Ratio Lower Upper
131 100
133 95.2 48.0 144.2
119 67.2 33.7 101.1





#67

Ethyl Benzene

Concen: 53.414 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

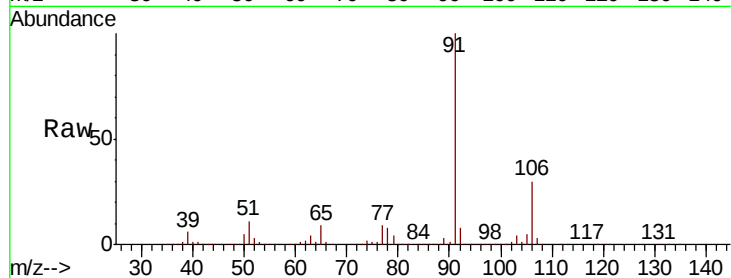
VSTDCCC050

Tot Ion: 91 Resp: 650428

Ion Ratio Lower Upper

91 100

106 30.5 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VX008953.D (-1484) (-)

Ion 106.00 (105.70 to 106.70): VX008953.D (-1484) (-)

800000

600000

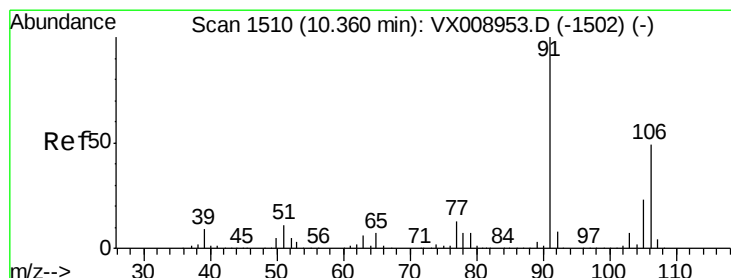
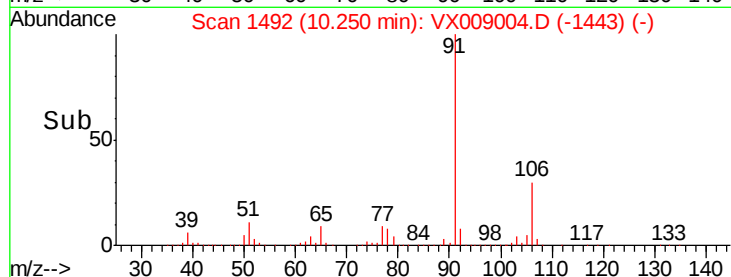
400000

200000

0

10.20 10.25 10.30

Time-->



#68

m/p-Xylenes

Concen: 107.856 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX009004.D

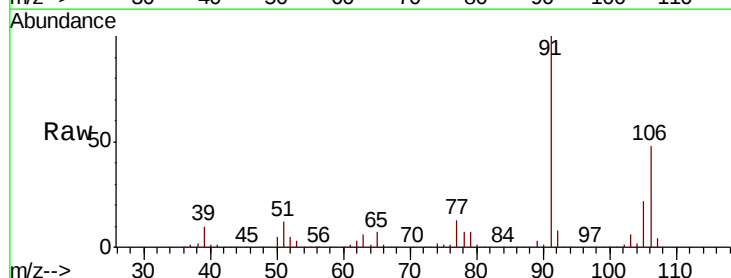
Acq: 17 Apr 2019 09:47

Tgt Ion: 106 Resp: 477309

Ion Ratio Lower Upper

106 100

91 208.5 165.4 248.2



Abundance Ion 106.00 (105.70 to 106.70): VX008953.D (-1502) (-)

Ion 91.00 (90.70 to 91.70): VX008953.D (-1502) (-)

800000

600000

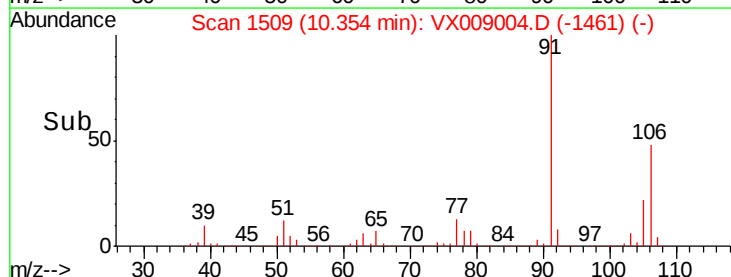
400000

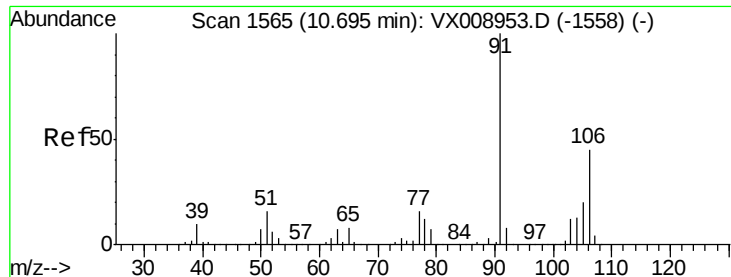
200000

0

10.30 10.40 10.50

Time-->

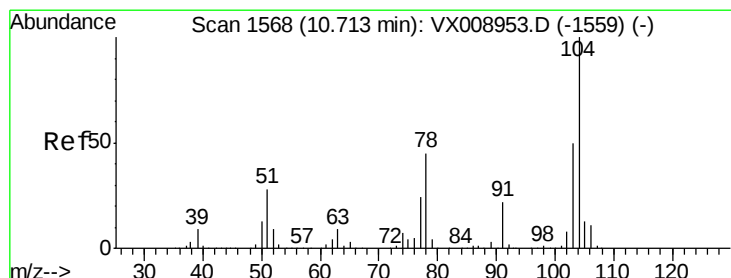
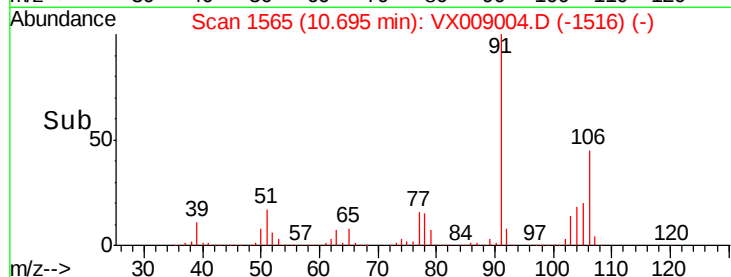
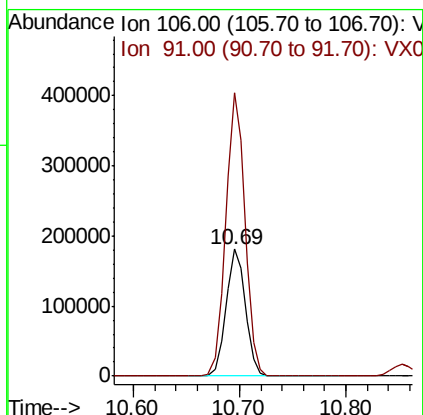
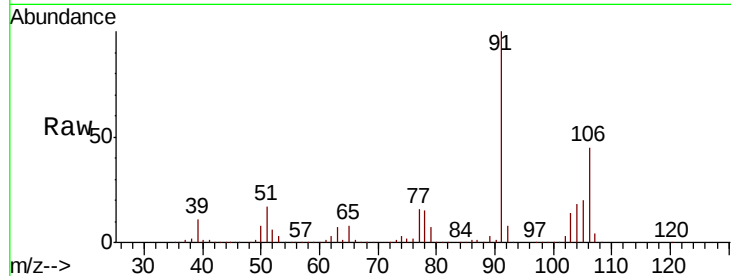




#69
o-Xylene
Concen: 53.581 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

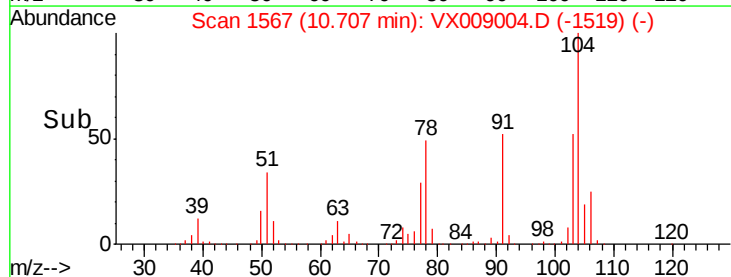
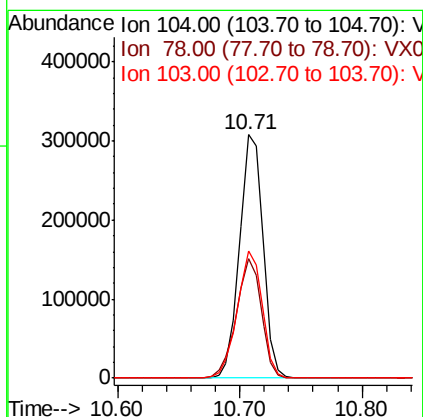
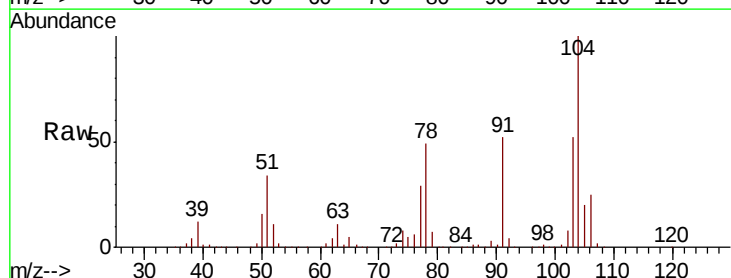
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

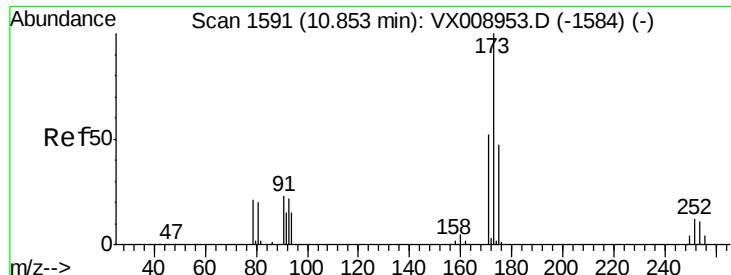
Tot Ion:106 Resp: 230721
Ion Ratio Lower Upper
106 100
91 221.6 108.9 326.7



#70
Styrene
Concen: 54.686 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Tgt Ion:104 Resp: 408068
Ion Ratio Lower Upper
104 100
78 52.2 41.2 61.8
103 55.2 43.9 65.9

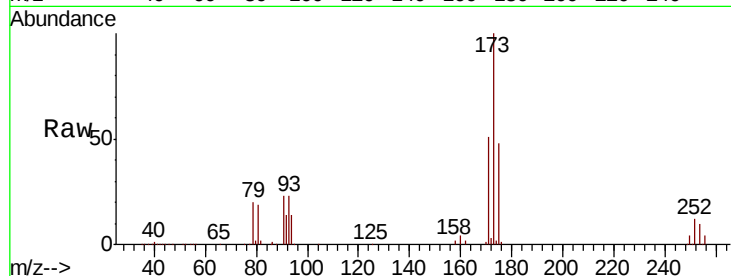




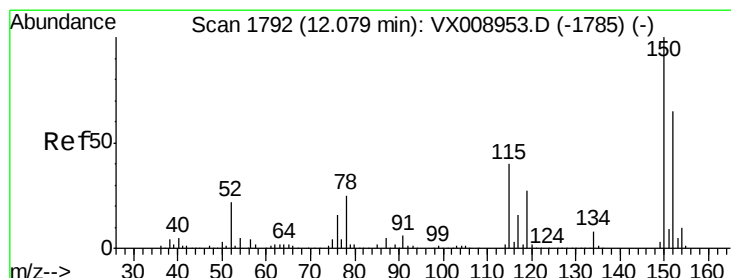
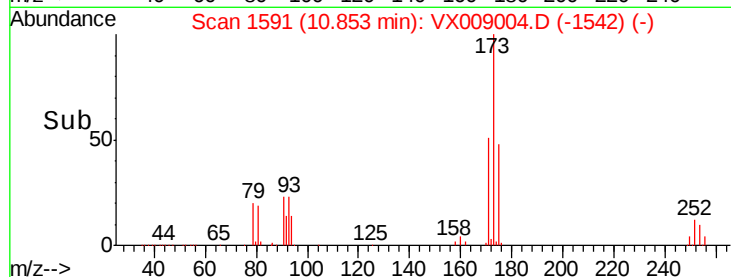
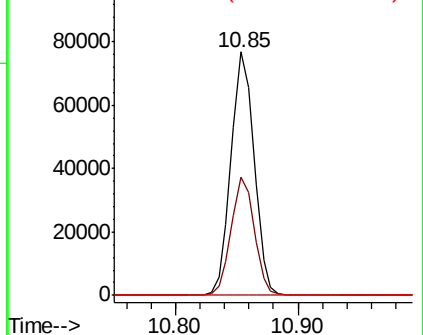
#71
Bromoform
Concen: 53.742 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 100474
Ion Ratio Lower Upper
173 100
175 48.5 23.9 71.8
254 0.2 0.2 0.4#

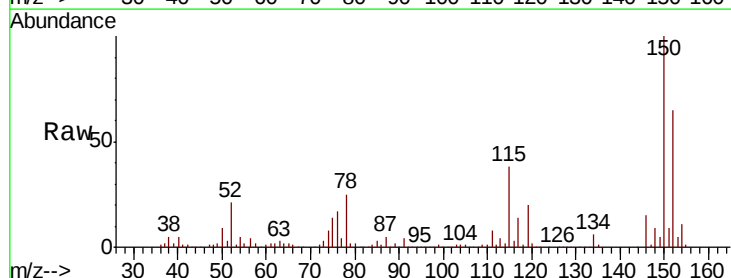


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

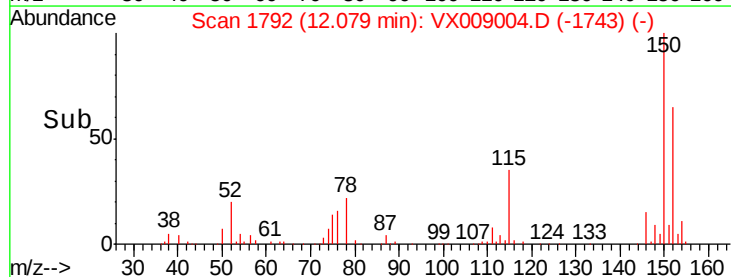
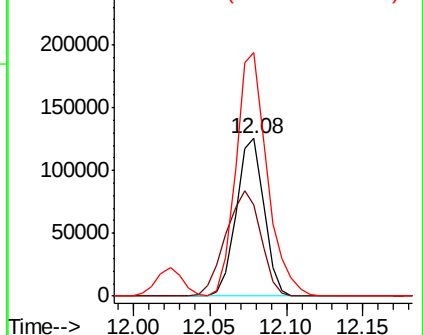


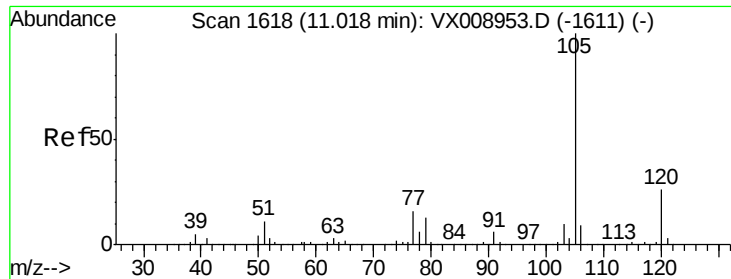
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Tgt Ion:152 Resp: 156875
Ion Ratio Lower Upper
152 100
115 84.7 41.4 124.2
150 174.1 0.0 349.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.457 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

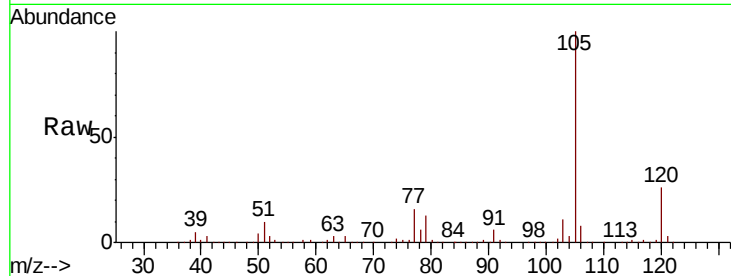
VSTDCCC050

Tot Ion:105 Resp: 623768

Ion Ratio Lower Upper

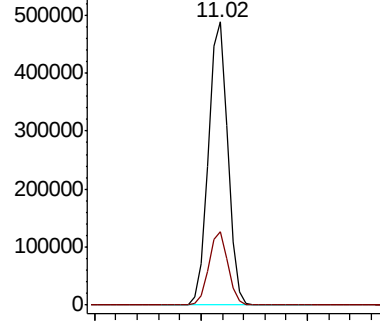
105 100

120 25.7 12.9 38.7

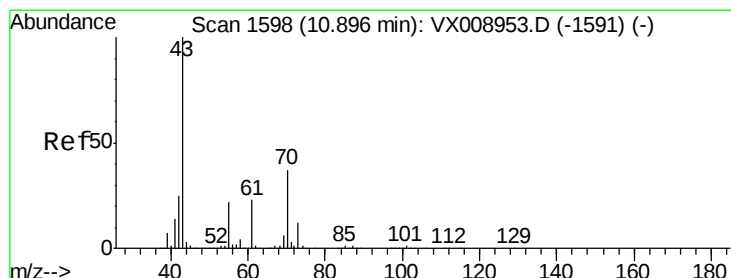
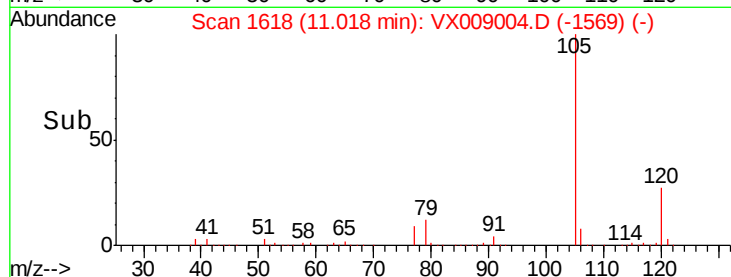


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 52.528 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Tgt Ion: 43 Resp: 358633

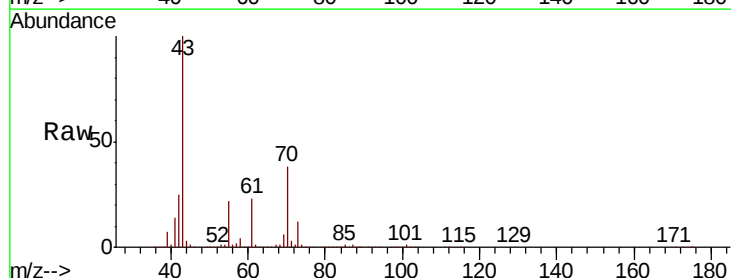
Ion Ratio Lower Upper

43 100

70 37.2 29.9 44.9

55 22.1 17.8 26.8

61 22.7 18.3 27.5

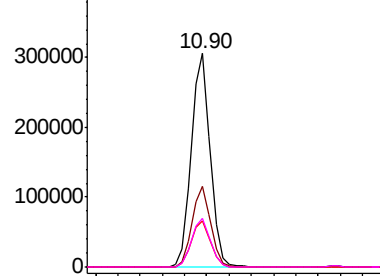


Abundance Ion 43.00 (42.70 to 43.70): VX0

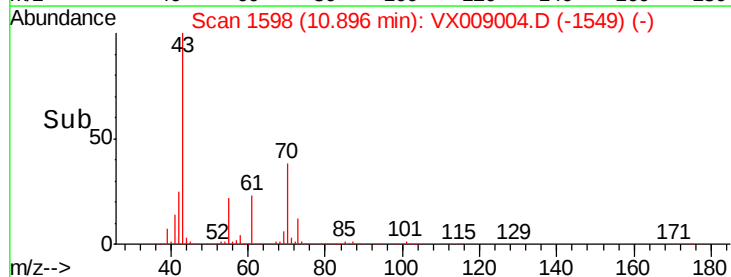
Ion 70.00 (69.70 to 70.70): VX0

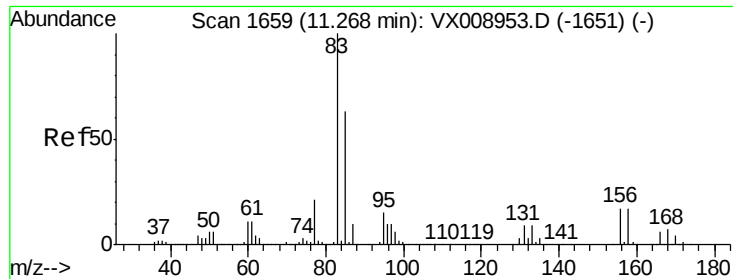
Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 49.206 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

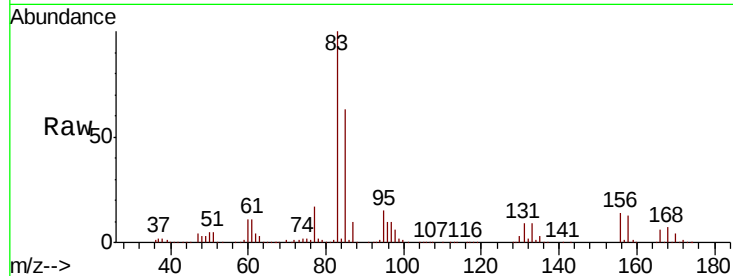
Tot Ion: 83 Resp: 213786

Ion Ratio Lower Upper

83 100

131 9.2 4.7 14.0

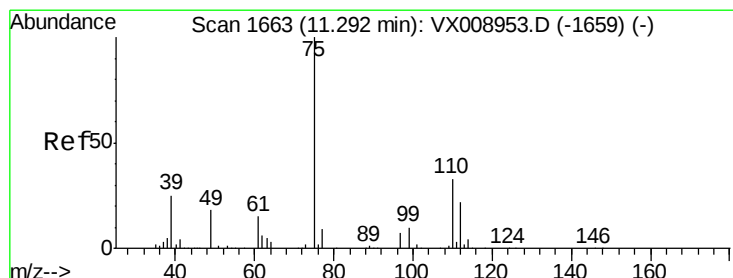
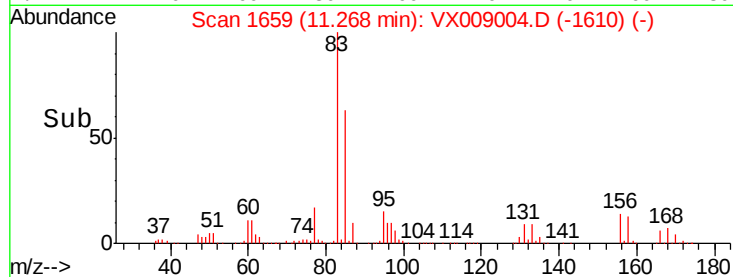
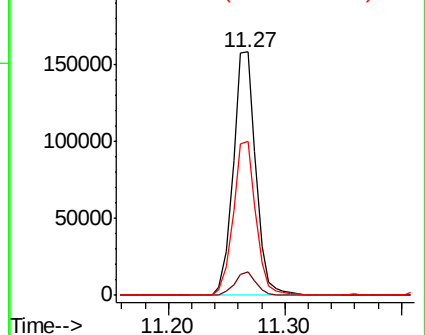
85 63.5 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 66.884 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009004.D

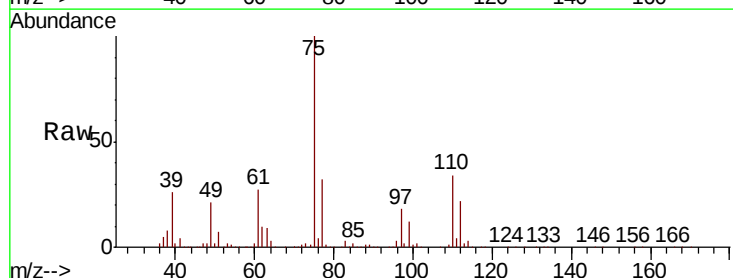
Acq: 17 Apr 2019 09:47

Tgt Ion: 75 Resp: 256203

Ion Ratio Lower Upper

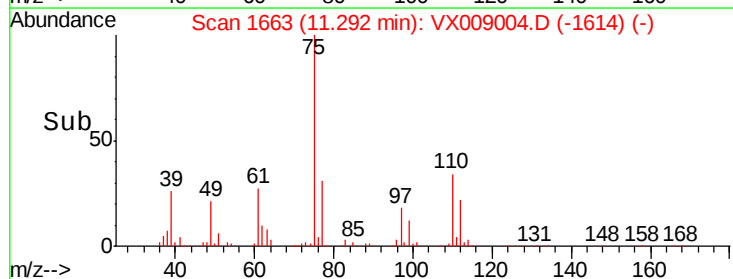
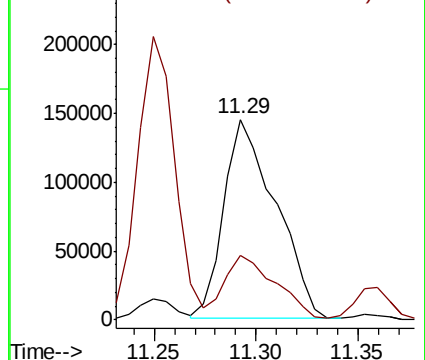
75 100

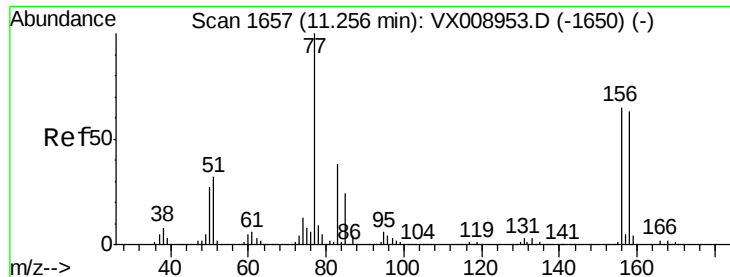
77 32.2 22.7 68.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.926 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

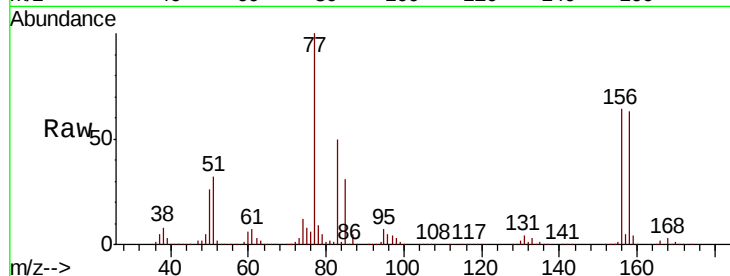
Tot Ion:156 Resp: 149788

Ion Ratio Lower Upper

156 100

77 174.0 85.4 256.1

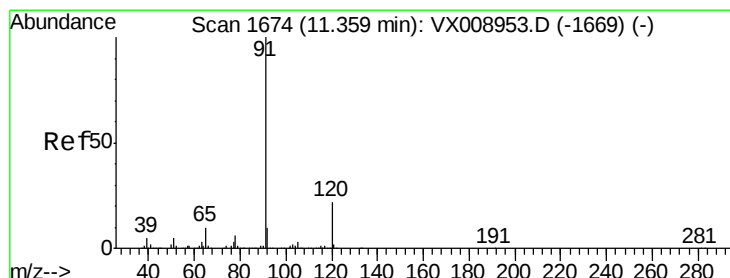
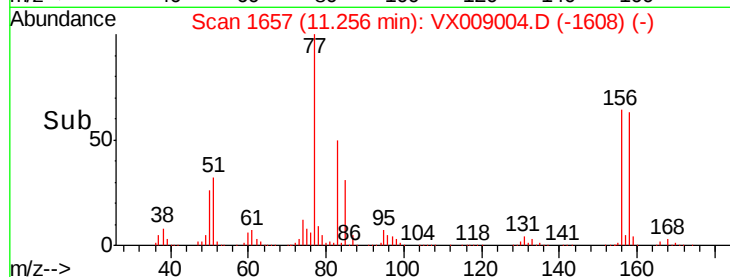
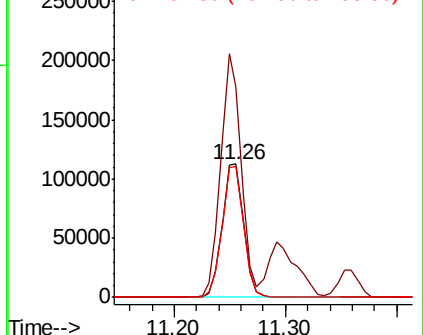
158 97.8 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.877 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009004.D

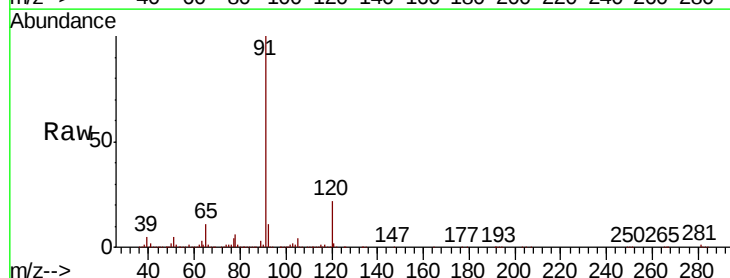
Acq: 17 Apr 2019 09:47

Tgt Ion: 91 Resp: 735316

Ion Ratio Lower Upper

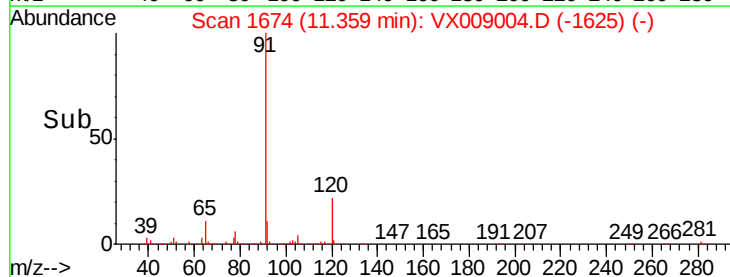
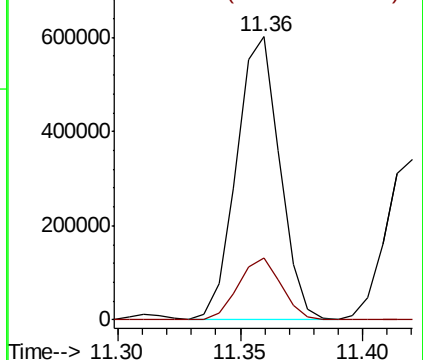
91 100

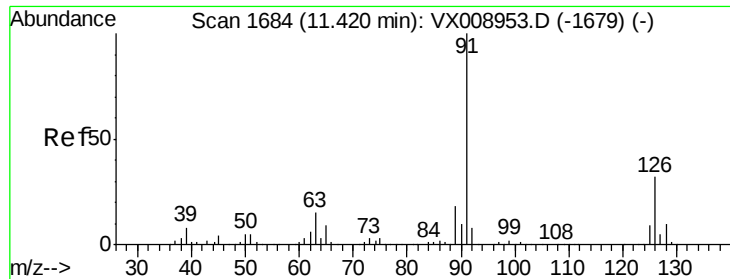
120 21.8 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

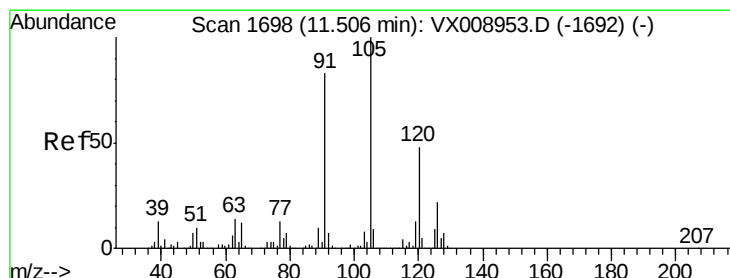
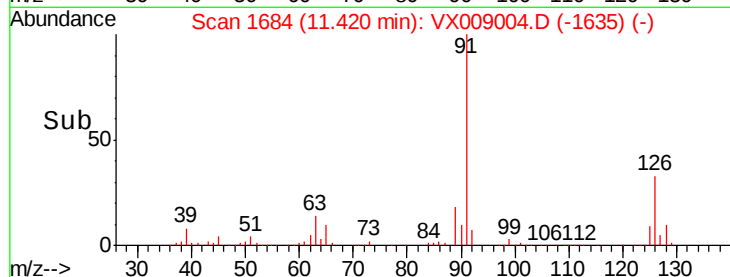
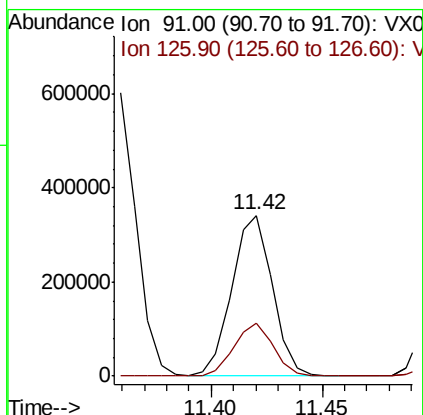
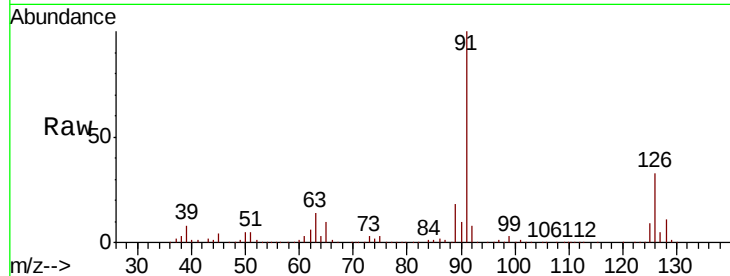




#79
 2-Chlorotoluene
 Concen: 52.345 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

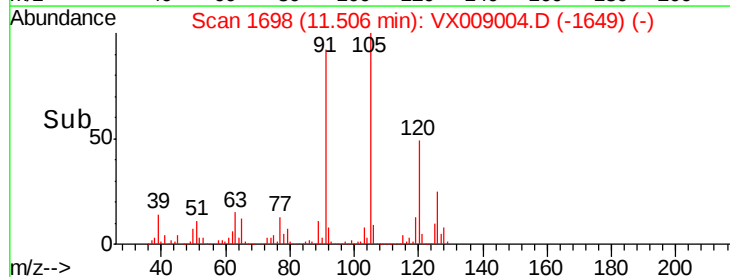
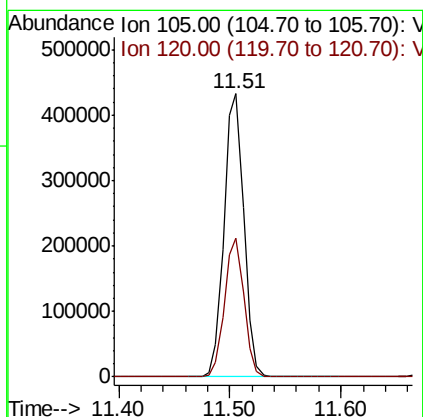
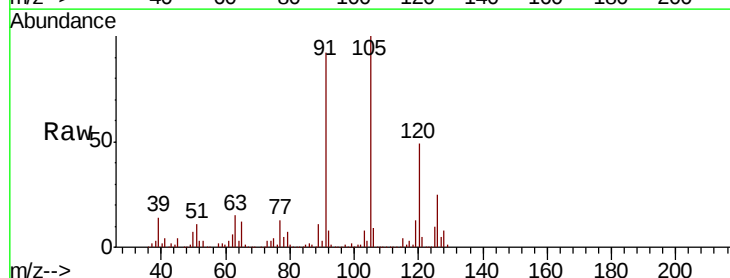
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

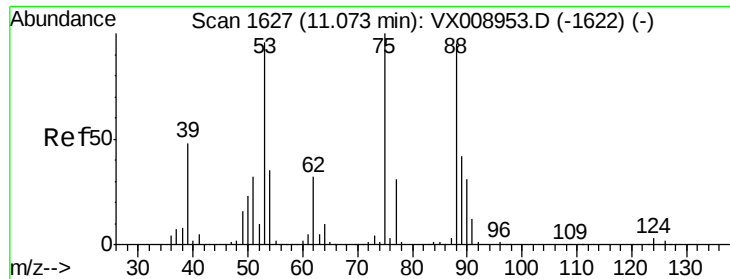
Tot Ion: 91 Resp: 430504
 Ion Ratio Lower Upper
 91 100
 126 32.3 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 53.139 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

Tgt Ion: 105 Resp: 530242
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 50.945 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

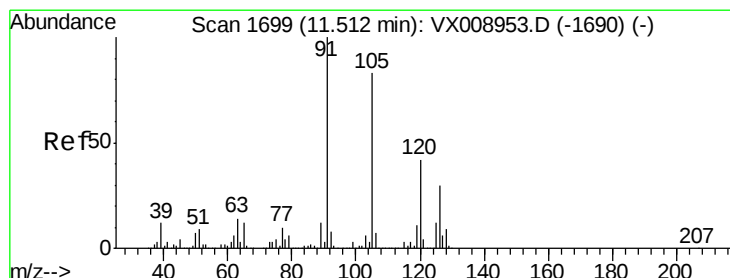
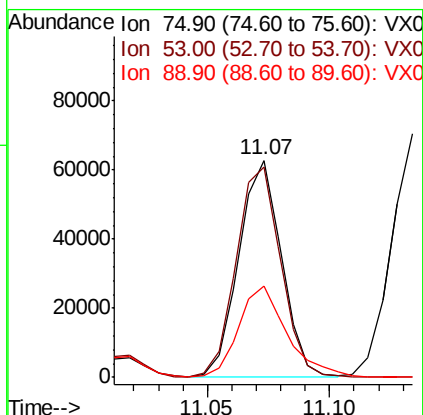
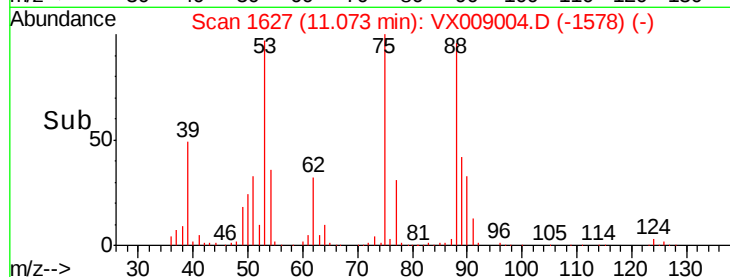
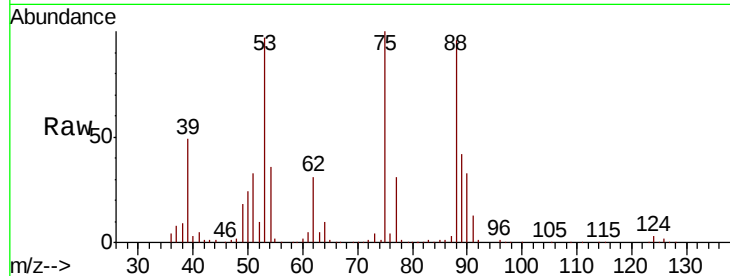
Tot Ion: 75 Resp: 76014

Ion Ratio Lower Upper

75 100

53 101.3 78.2 117.4

89 47.8 36.0 54.0



#82

4-Chlorotoluene

Concen: 52.720 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX009004.D

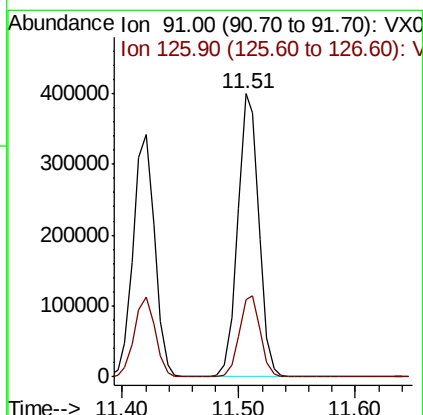
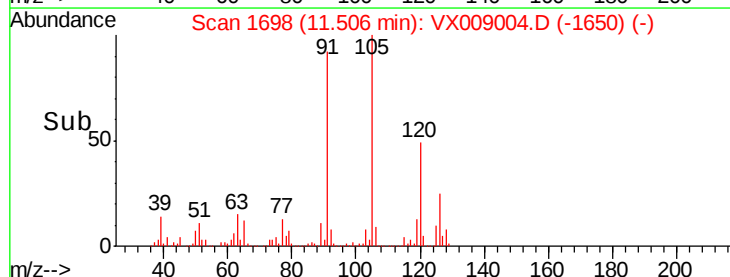
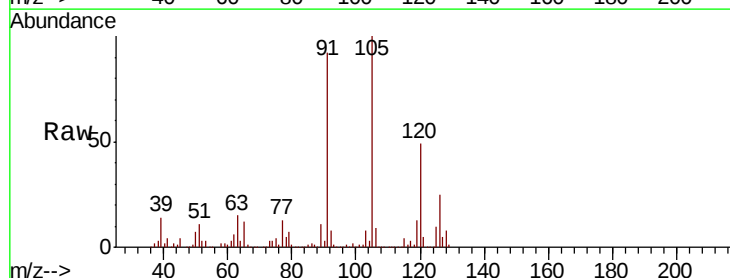
Acq: 17 Apr 2019 09:47

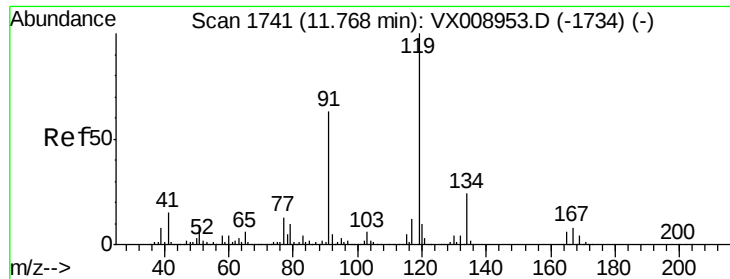
Tgt Ion: 91 Resp: 503562

Ion Ratio Lower Upper

91 100

126 28.5 14.3 42.9

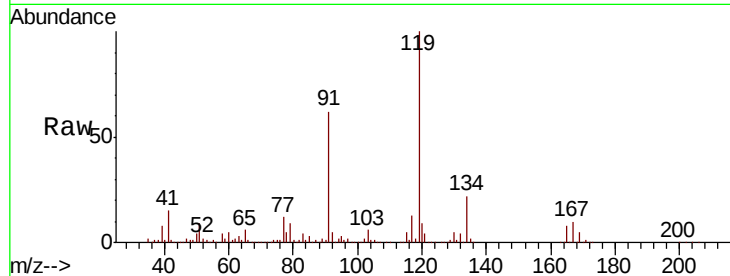




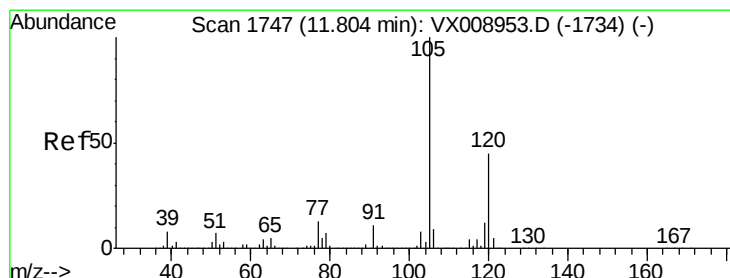
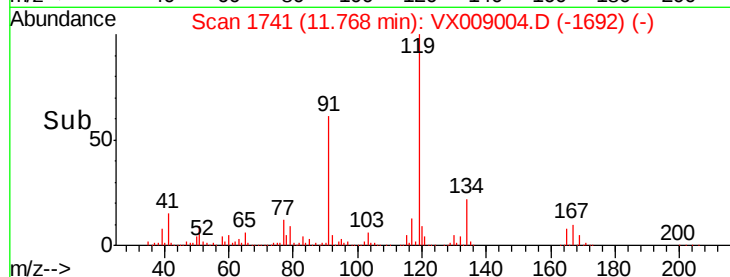
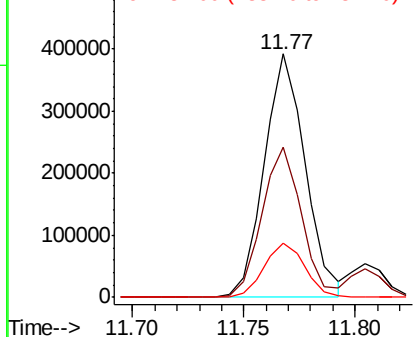
#83
 tert-Butylbenzene
 Concen: 52.146 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 499562
 Ion Ratio Lower Upper
 119 100
 91 60.3 29.7 89.1
 134 22.4 11.2 33.5

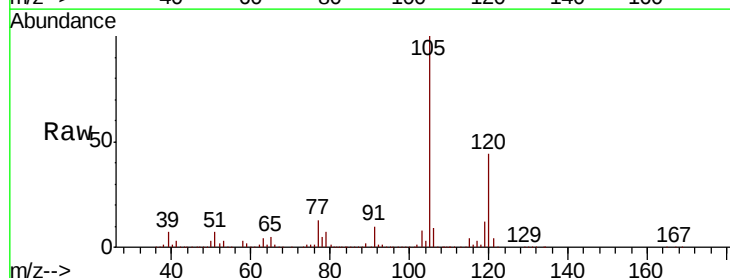


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VX
 Ion 134.00 (133.70 to 134.70): V

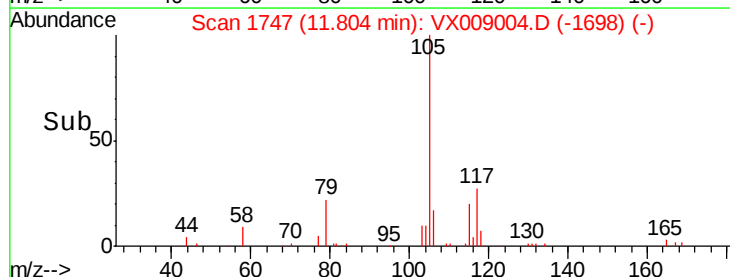
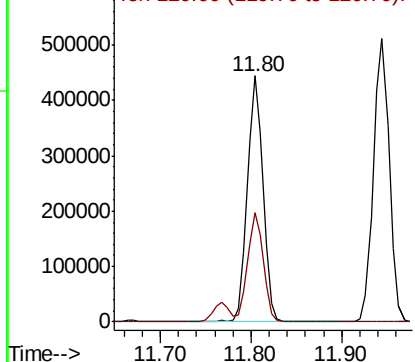


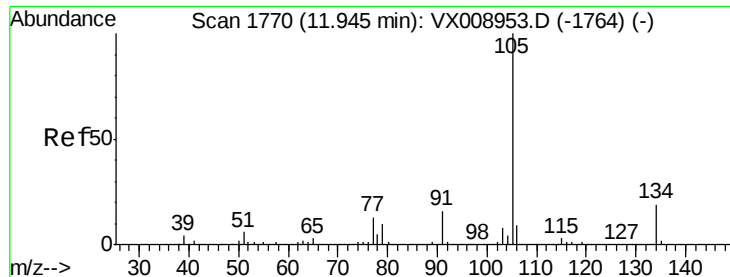
#84
 1,2,4-Trimethylbenzene
 Concen: 52.275 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

Tgt Ion:105 Resp: 530969
 Ion Ratio Lower Upper
 105 100
 120 44.7 21.9 65.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 54.163 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

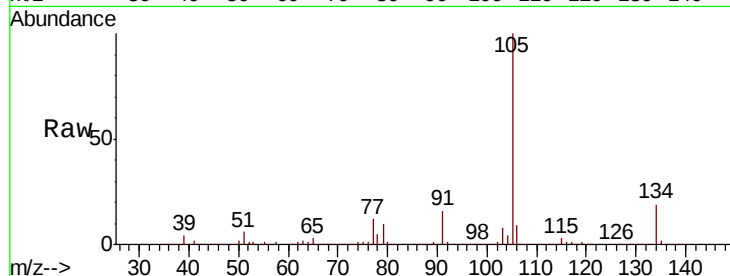
VSTDCCC050

Tot Ion:105 Resp: 618860

Ion Ratio Lower Upper

105 100

134 19.3 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

600000

500000

400000

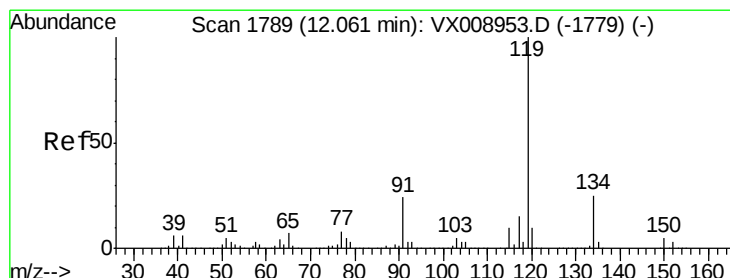
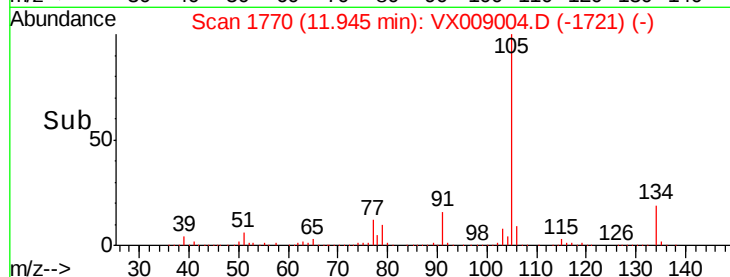
300000

200000

100000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 53.674 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

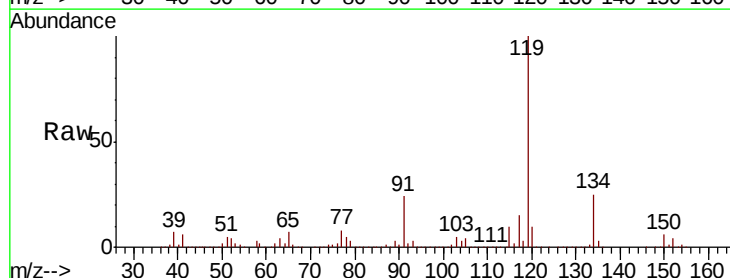
Tgt Ion:119 Resp: 563829

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.6

91 23.8 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

600000

500000

400000

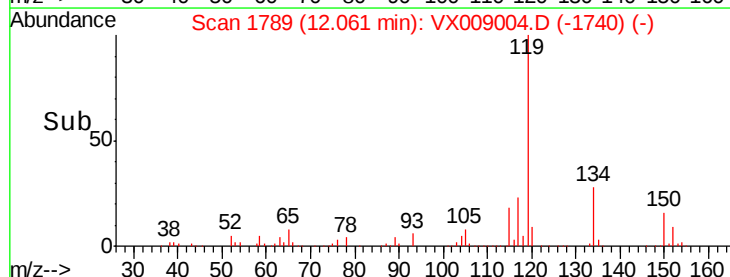
300000

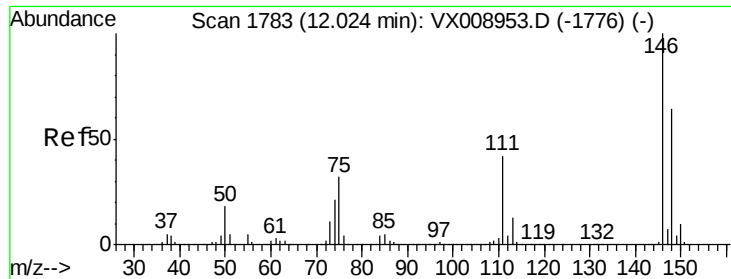
200000

100000

0

Time--> 12.00 12.10





#87

1,3-Dichlorobenzene

Concen: 52.360 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

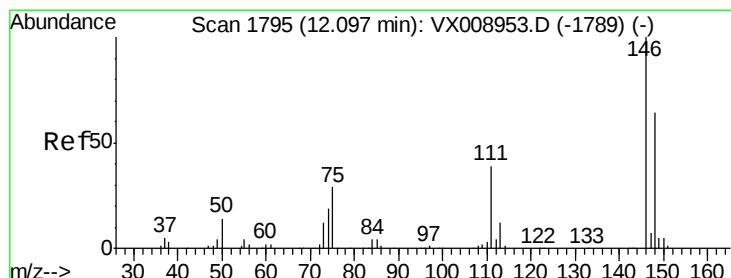
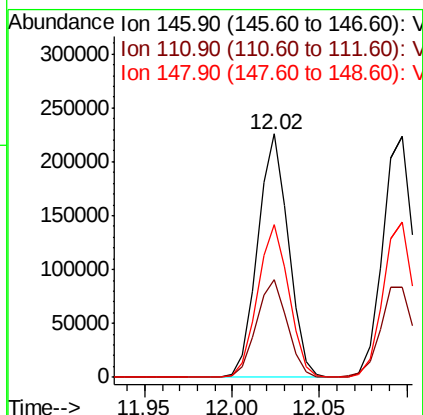
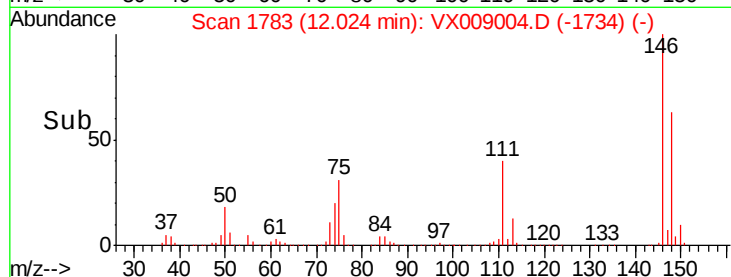
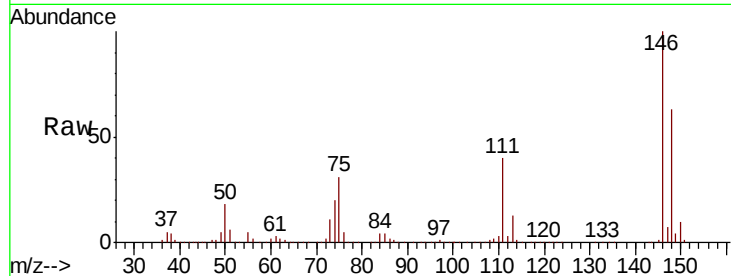
Tot Ion:146 Resp: 274941

Ion Ratio Lower Upper

146 100

111 40.5 20.5 61.6

148 63.7 32.2 96.6



#88

1,4-Dichlorobenzene

Concen: 51.545 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

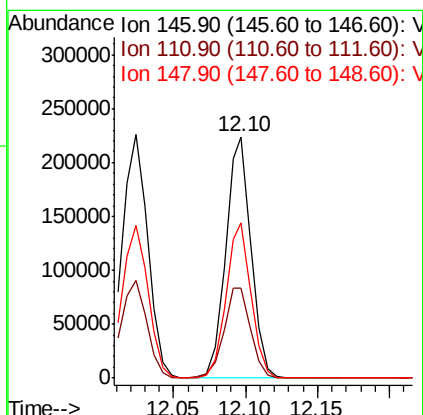
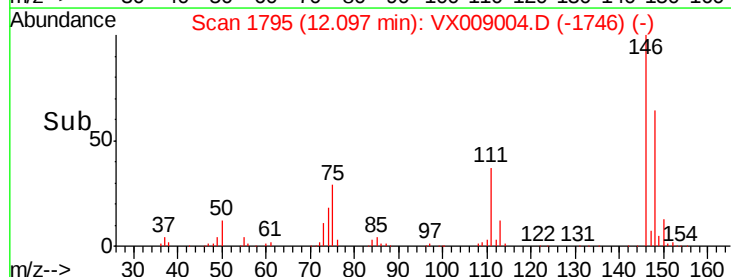
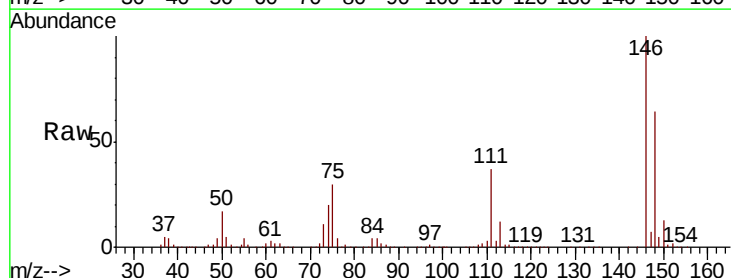
Tgt Ion:146 Resp: 274371

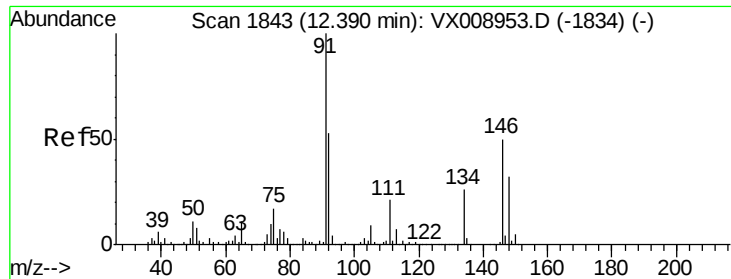
Ion Ratio Lower Upper

146 100

111 39.7 20.0 59.9

148 64.0 32.2 96.6

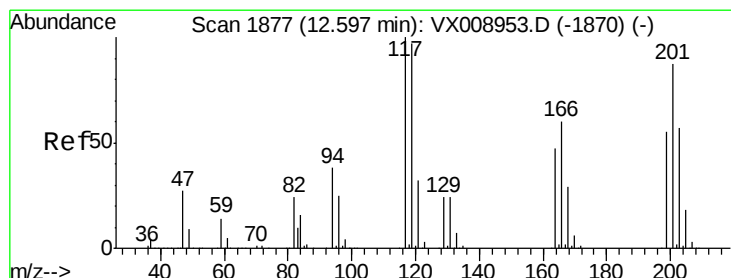
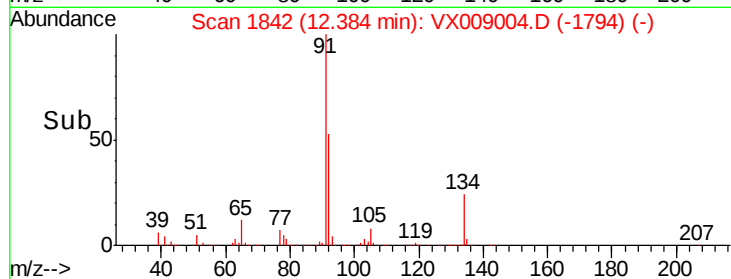
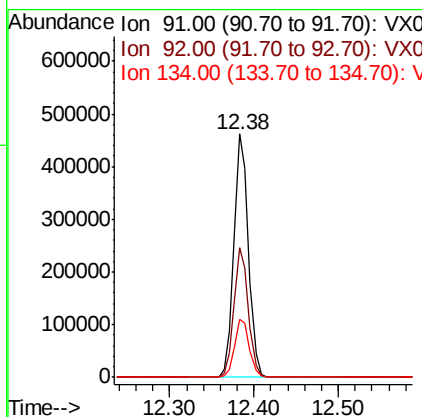
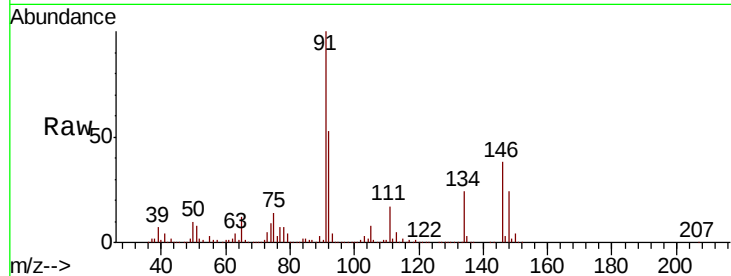




#89
n-Butylbenzene
Concen: 55.161 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

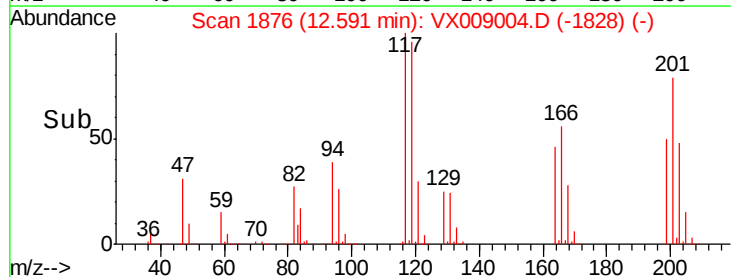
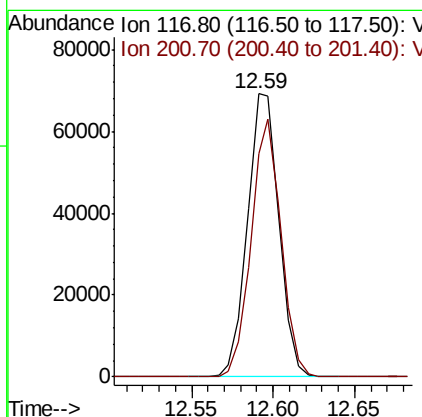
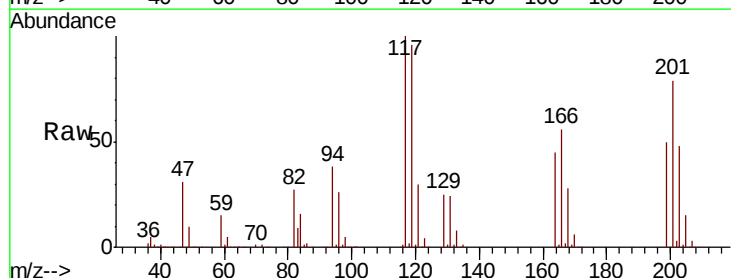
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

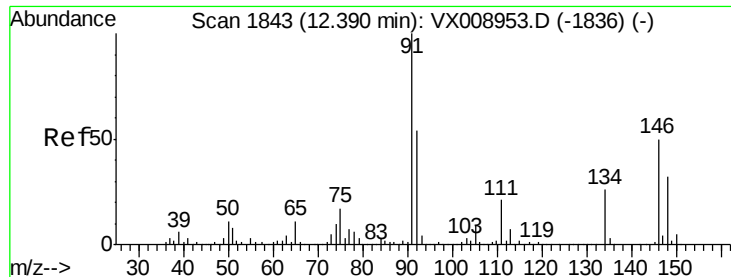
Tot Ion: 91 Resp: 539649
Ion Ratio Lower Upper
91 100
92 52.9 26.6 79.8
134 24.2 12.4 37.2



#90
Hexachloroethane
Concen: 53.624 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Tgt Ion: 117 Resp: 92919
Ion Ratio Lower Upper
117 100
201 86.3 43.0 129.0





#91

1,2-Dichlorobenzene

Concen: 51.894 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

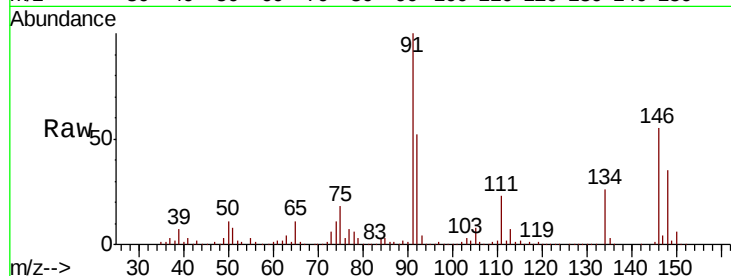
Tot Ion:146 Resp: 269080

Ion Ratio Lower Upper

146 100

111 41.9 20.6 61.9

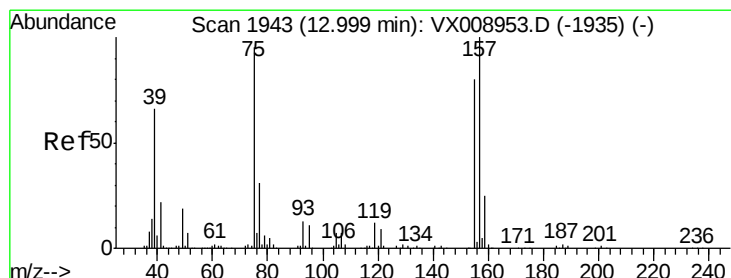
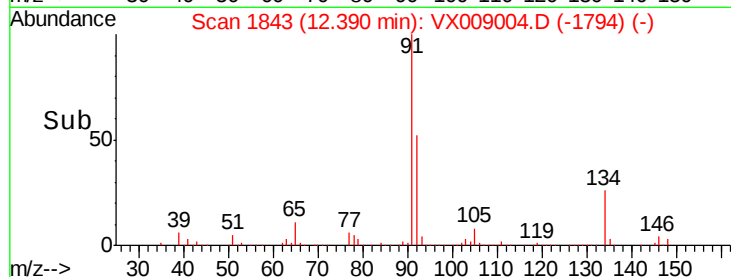
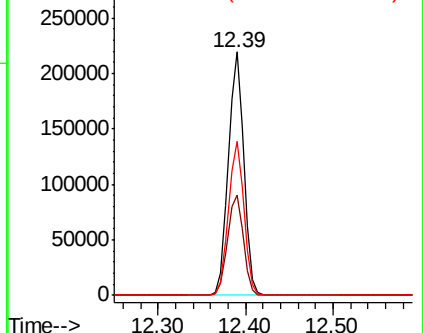
148 63.4 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.447 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

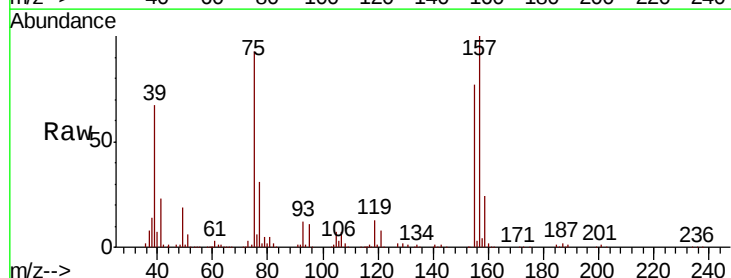
Tgt Ion: 75 Resp: 47925

Ion Ratio Lower Upper

75 100

155 80.4 41.2 123.6

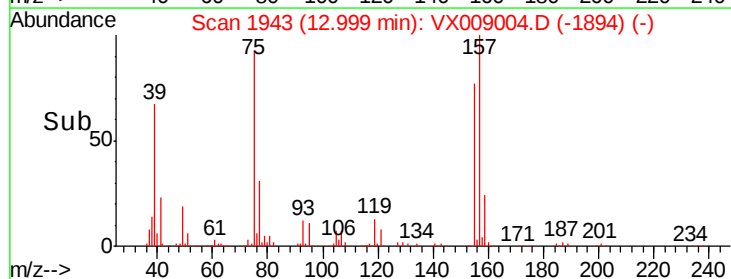
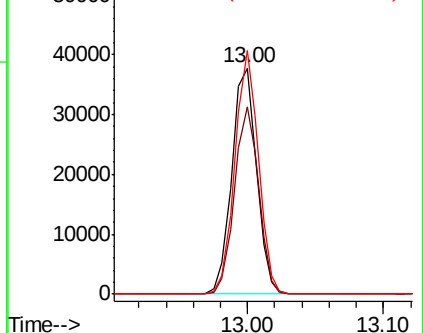
157 101.8 52.5 157.6

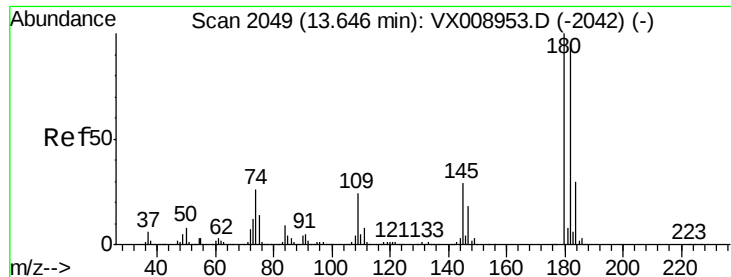


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

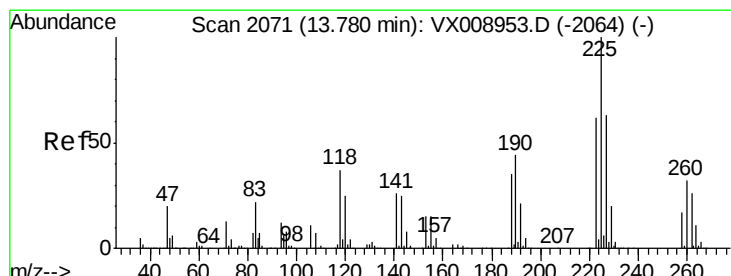
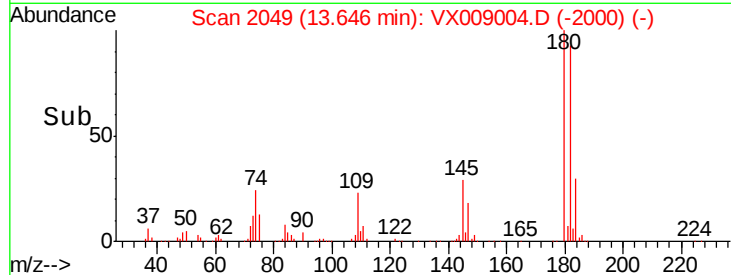
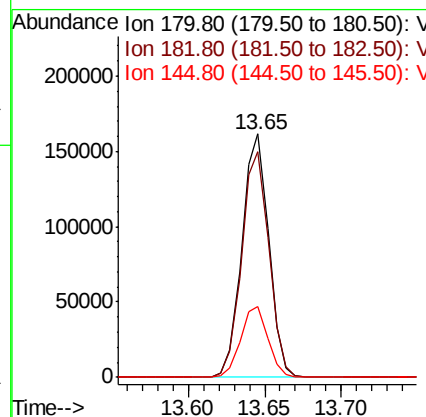
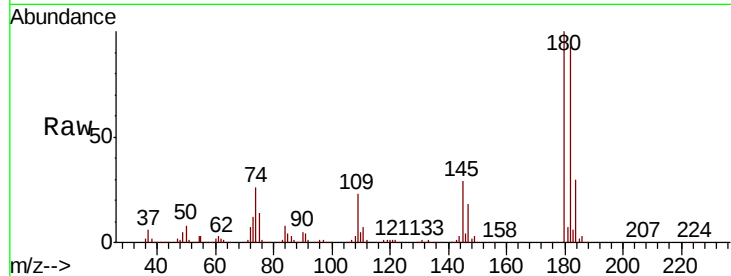




#93
 1,2,4-Trichlorobenzene
 Concen: 52.179 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

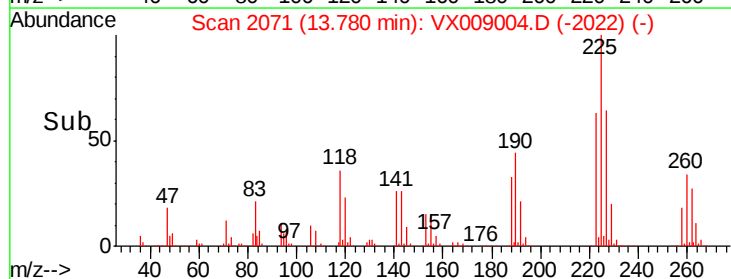
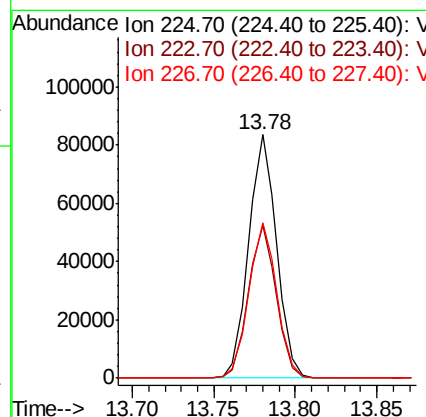
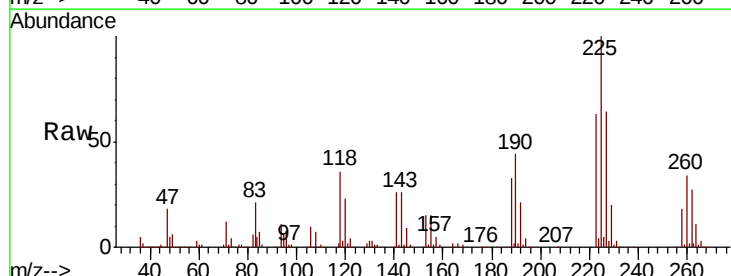
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

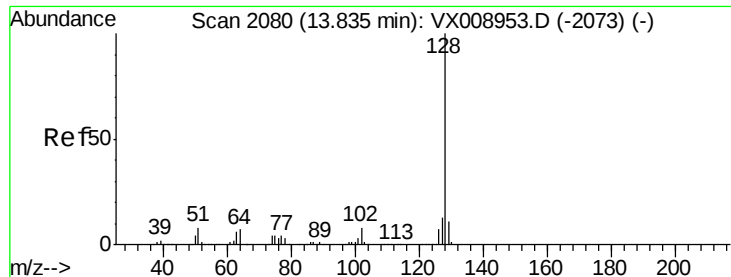
Tot Ion:180 Resp: 195305
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.6 142.9
 145 29.6 14.8 44.4



#94
 Hexachlorobutadiene
 Concen: 53.466 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

Tgt Ion:225 Resp: 99812
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.1 93.2
 227 63.9 32.0 96.2





#95

Naphthalene

Concen: 50.093 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

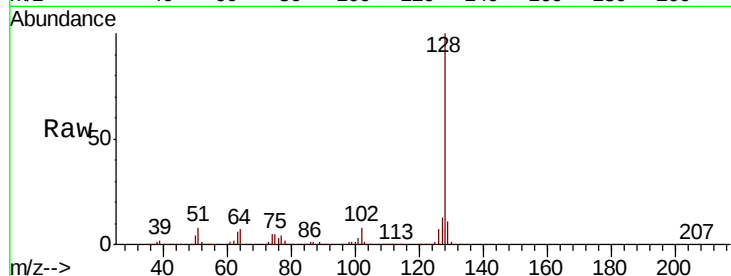
Tot Ion:128 Resp: 600712

Ion Ratio Lower Upper

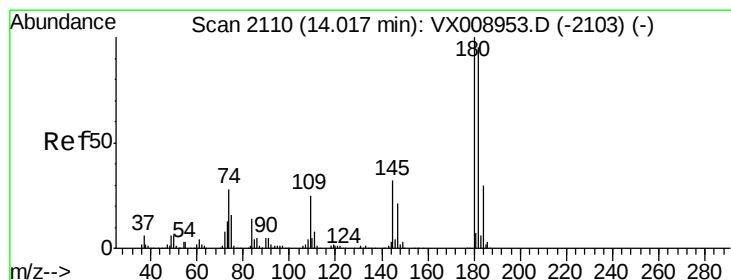
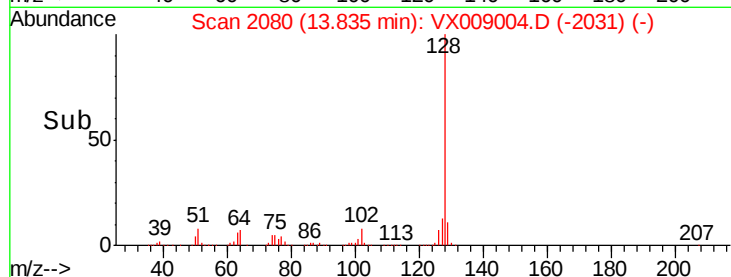
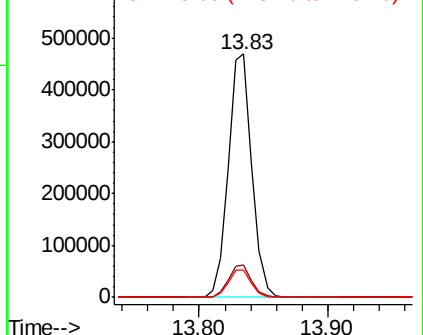
128 100

127 13.1 10.6 16.0

129 11.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.721 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

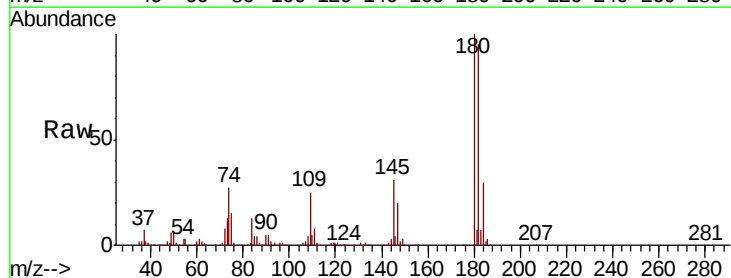
Tgt Ion:180 Resp: 191010

Ion Ratio Lower Upper

180 100

182 96.1 47.8 143.4

145 31.0 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

