

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071719\
 Data File : VX010923.D
 Acq On : 17 Jul 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: Jul 18 02:26:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 06:57:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	237428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	350940	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	321119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	172997	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	122121	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
35) Dibromofluoromethane	5.49	113	110599	49.65	ug/l	-0.01
Spiked Amount			Recovery	=	99.30%	
50) Toluene-d8	8.71	98	420052	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
62) 4-Bromofluorobenzene	11.13	95	158313	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	130487	51.524	ug/l	100
3) Chloromethane	1.32	50	116168	53.206	ug/l	100
4) Vinyl Chloride	1.41	62	118765	53.329	ug/l	99
5) Bromomethane	1.64	94	60643	48.322	ug/l	99
6) Chloroethane	1.72	64	69940	49.418	ug/l	98
7) Trichlorofluoromethane	1.93	101	195146	51.765	ug/l	100
8) Diethyl Ether	2.19	74	64665	49.785	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	111925	51.998	ug/l	99
10) Methyl Iodide	2.51	142	145198	51.404	ug/l	99
11) Tert butyl alcohol	3.04	59	124388	211.454	ug/l	99
12) 1,1-Dichloroethene	2.37	96	108601	51.352	ug/l	99
13) Acrolein	2.29	56	71859	211.430	ug/l	99
14) Allyl chloride	2.73	41	159121	51.799	ug/l	99
15) Acrylonitrile	3.14	53	291595	245.311	ug/l	99
16) Acetone	2.44	43	324989	284.877	ug/l	99
17) Carbon Disulfide	2.57	76	287560	53.008	ug/l	99
18) Methyl Acetate	2.77	43	120570	46.415	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	343290	50.424	ug/l	100
20) Methylene Chloride	2.85	84	119443	49.405	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	115257	51.364	ug/l	91
22) Diisopropyl ether	3.85	45	328272	50.669	ug/l	98
23) Vinyl Acetate	3.81	43	1441800	262.650	ug/l	100
24) 1,1-Dichloroethane	3.70	63	188900	50.205	ug/l	99
25) 2-Butanone	4.67	43	432464	264.082	ug/l	99
26) 2,2-Dichloropropane	4.58	77	160019	51.796	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	130693	50.325	ug/l	98
28) Bromochloromethane	5.01	49	82630	46.603	ug/l	98
29) Tetrahydrofuran	5.12	42	250217	241.213	ug/l	100
30) Chloroform	5.21	83	201859	49.634	ug/l	99
31) Cyclohexane	5.57	56	175400	51.144	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	180440	51.283	ug/l	99
36) 1,1-Dichloropropene	5.79	75	148882	51.648	ug/l	99
37) Ethyl Acetate	4.82	43	151307	51.260	ug/l	100
38) Carbon Tetrachloride	5.78	117	161739	53.844	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071719\
 Data File : VX010923.D
 Acq On : 17 Jul 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: Jul 18 02:26:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 06:57:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	199193	53.285	ug/l	99
40) Benzene	6.13	78	456624	51.712	ug/l	99
41) Methacrylonitrile	5.04	41	81898	48.876	ug/l	99
42) 1,2-Dichloroethane	6.19	62	155126	50.526	ug/l	100
43) Isopropyl Acetate	6.44	43	245556	50.593	ug/l	99
44) Trichloroethene	7.21	130	133336	51.013	ug/l	95
45) 1,2-Dichloropropane	7.51	63	113317	50.420	ug/l	97
46) Dibromomethane	7.66	93	83068	51.725	ug/l	99
47) Bromodichloromethane	7.89	83	153851	53.818	ug/l	97
48) Methyl methacrylate	7.76	41	118936	50.302	ug/l	98
49) 1,4-Dioxane	7.74	88	63017	952.806	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	805910	256.148	ug/l	100
52) Toluene	8.78	92	298765	51.504	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	169571	55.166	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	187654	54.863	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	123761	51.816	ug/l	95
56) Ethyl methacrylate	9.18	69	188421	53.931	ug/l	100
57) 1,3-Dichloropropane	9.37	76	192466	50.796	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.30	63	466166	279.514	ug/l	100
59) 2-Hexanone	9.49	43	650127	266.413	ug/l	100
60) Dibromochloromethane	9.58	129	136032	49.513	ug/l	100
61) 1,2-Dibromoethane	9.67	107	131883	52.030	ug/l	99
64) Tetrachloroethene	9.34	164	132418	52.418	ug/l	100
65) Chlorobenzene	10.13	112	338173	51.273	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	125141	53.986	ug/l	99
67) Ethyl Benzene	10.25	91	592962	52.819	ug/l	100
68) m/p-Xylenes	10.35	106	453870	105.396	ug/l	99
69) o-Xylene	10.69	106	217869	51.839	ug/l	99
70) Styrene	10.71	104	378347	54.003	ug/l	100
71) Bromoform	10.85	173	104447	49.513	ug/l #	100
73) Isopropylbenzene	11.02	105	595596	50.952	ug/l	100
74) N-amyl acetate	10.90	43	231577	51.848	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	189097	49.432	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	211698	67.812	ug/l	83
77) Bromobenzene	11.25	156	161394	50.055	ug/l	99
78) n-propylbenzene	11.36	91	683942	52.954	ug/l	99
79) 2-Chlorotoluene	11.42	91	396838	51.147	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	504656	51.666	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	59864	48.696	ug/l	99
82) 4-Chlorotoluene	11.51	91	469579	52.000	ug/l	100
83) tert-Butylbenzene	11.77	119	496432	51.743	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	510717	51.877	ug/l	99
85) sec-Butylbenzene	11.94	105	596641	53.073	ug/l	100
86) p-Isopropyltoluene	12.06	119	553623	53.268	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	290816	51.973	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	286241	49.878	ug/l	98
89) n-Butylbenzene	12.38	91	487169	54.790	ug/l	100
90) Hexachloroethane	12.59	117	91951	56.092	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	280577	50.594	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	39427	49.306	ug/l	97

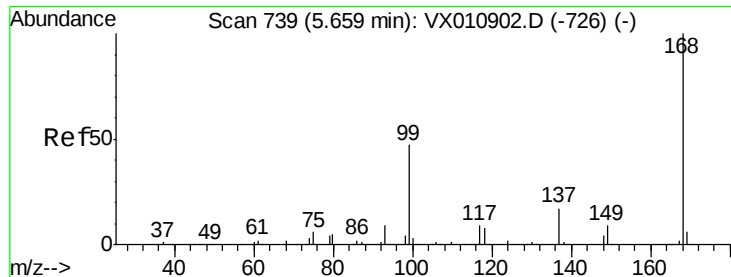
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071719\
Data File : VX010923.D
Acq On : 17 Jul 2019 09:47
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Jul 18 02:26:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 17 06:57:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	196925	52.397	ug/l	98
94) Hexachlorobutadiene	13.78	225	99340	53.338	ug/l	99
95) Naphthalene	13.83	128	583629	52.588	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	198431	53.064	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

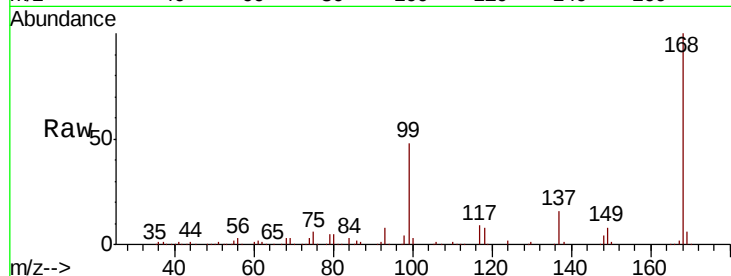
VSTDCCC050

Tot Ion:168 Resp: 237428

Ion Ratio Lower Upper

168 100

99 48.1 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

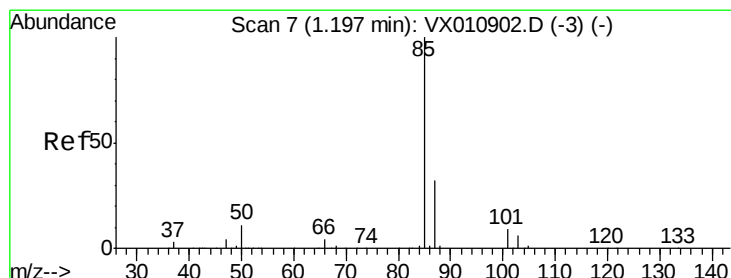
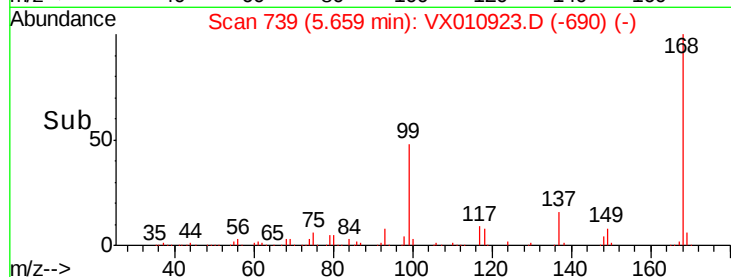
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 51.524 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010923.D

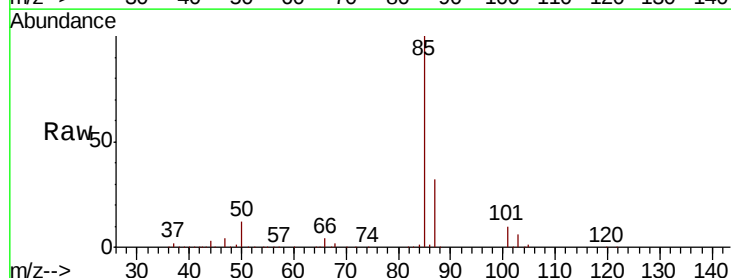
Acq: 17 Jul 2019 09:47

Tgt Ion: 85 Resp: 130487

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

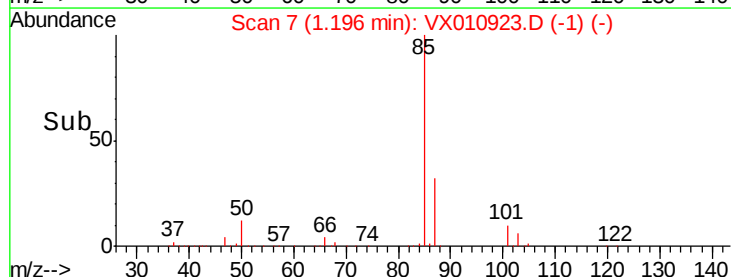
100000

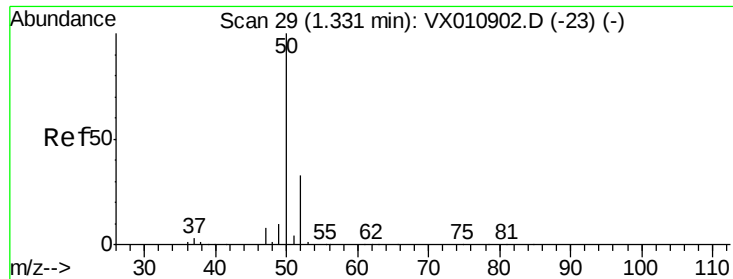
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 53.206 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

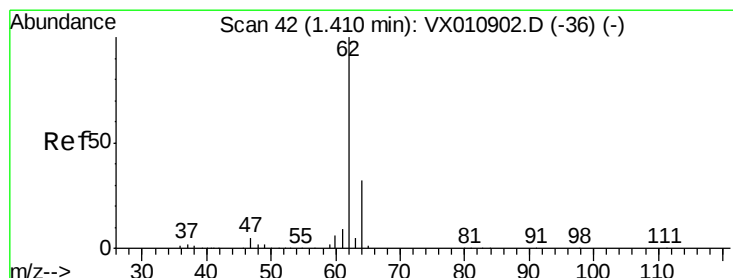
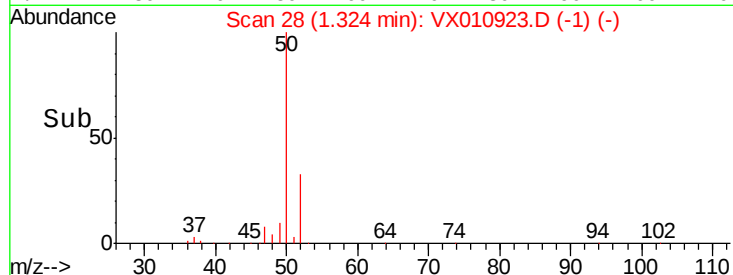
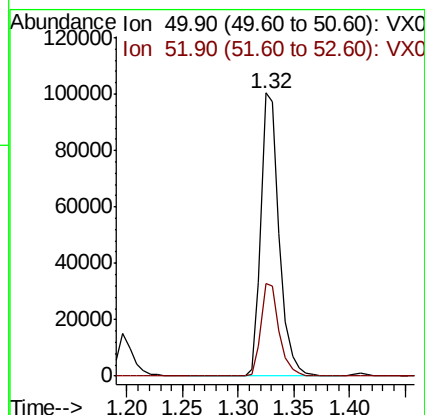
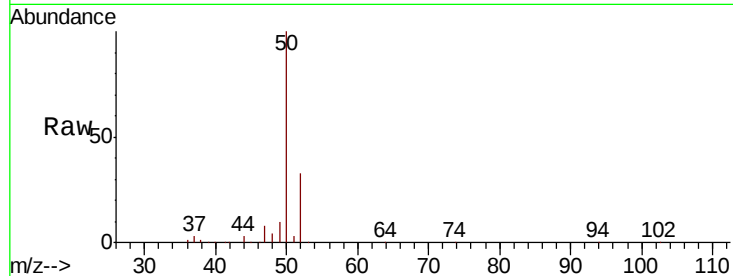
VSTDCCC050

Tot Ion: 50 Resp: 116168

Ion Ratio Lower Upper

50 100

52 32.9 26.4 39.6



#4

Vinyl Chloride

Concen: 53.329 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010923.D

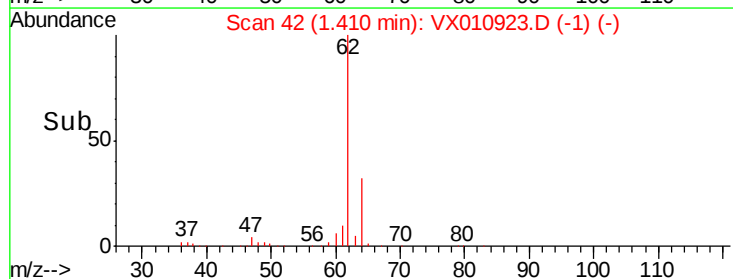
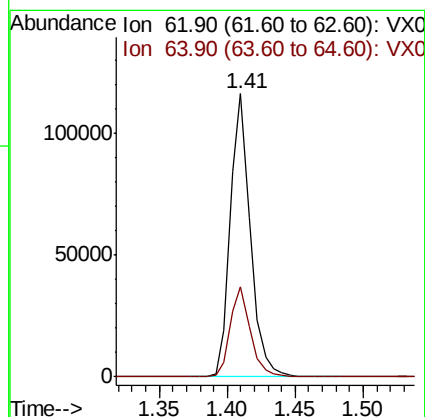
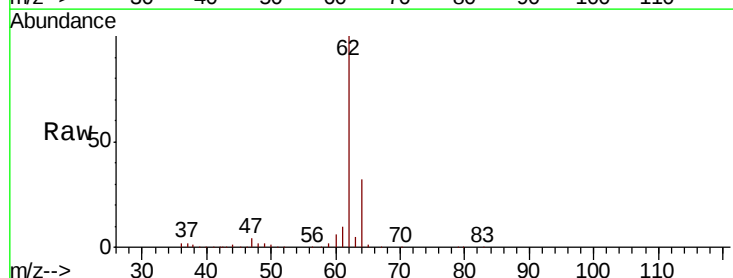
Acq: 17 Jul 2019 09:47

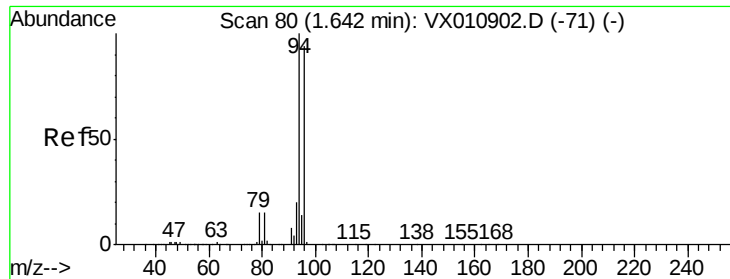
Tgt Ion: 62 Resp: 118765

Ion Ratio Lower Upper

62 100

64 31.5 25.7 38.5





#5

Bromomethane

Concen: 48.322 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

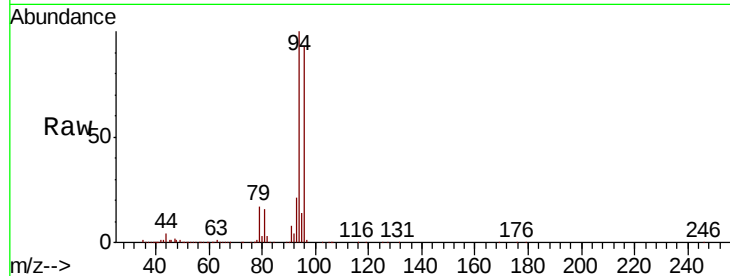
VSTDCCC050

Tot Ion: 94 Resp: 60643

Ion Ratio Lower Upper

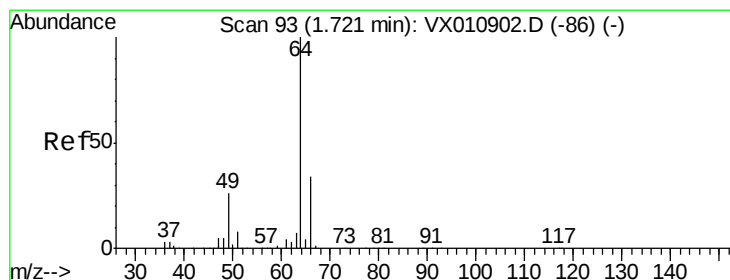
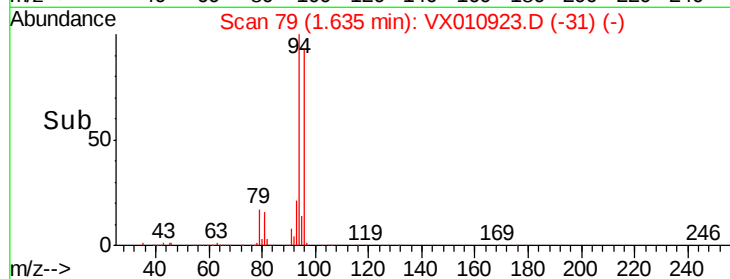
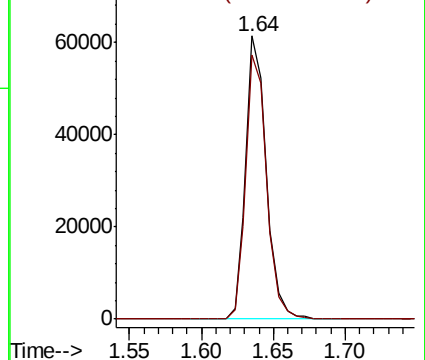
94 100

96 93.2 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 49.418 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX010923.D

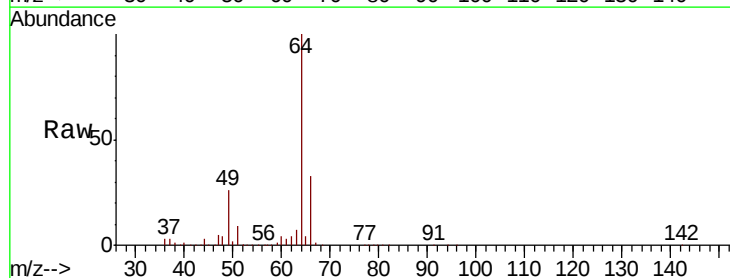
Acq: 17 Jul 2019 09:47

Tgt Ion: 64 Resp: 69940

Ion Ratio Lower Upper

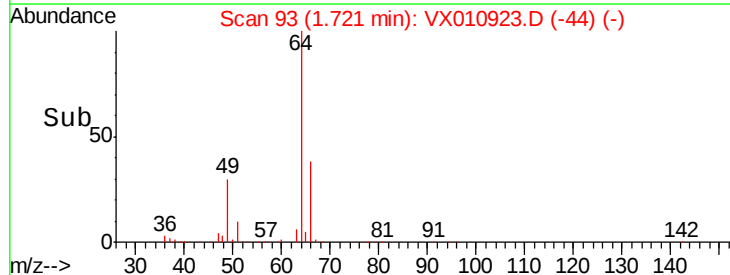
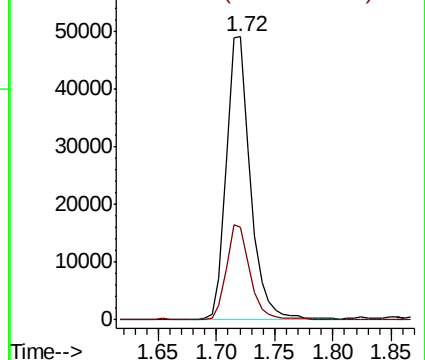
64 100

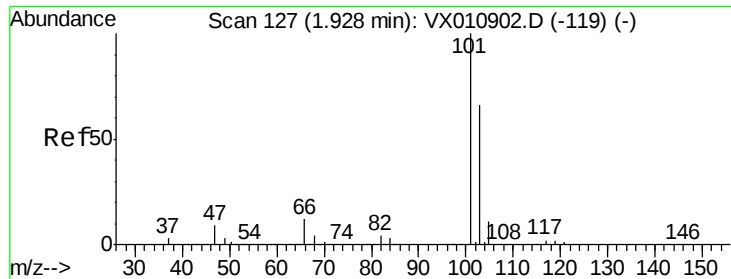
66 32.6 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



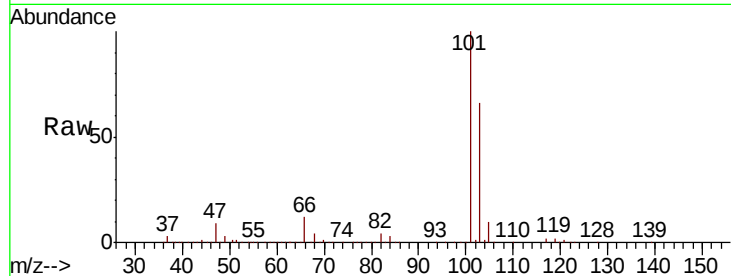


#7

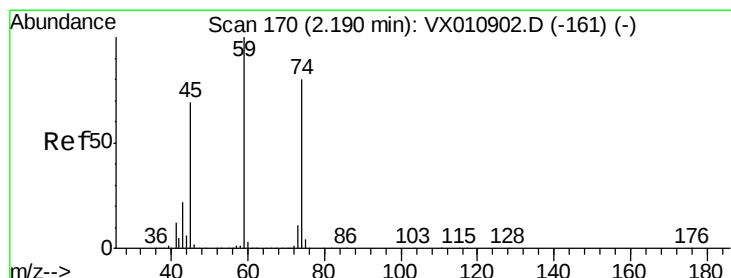
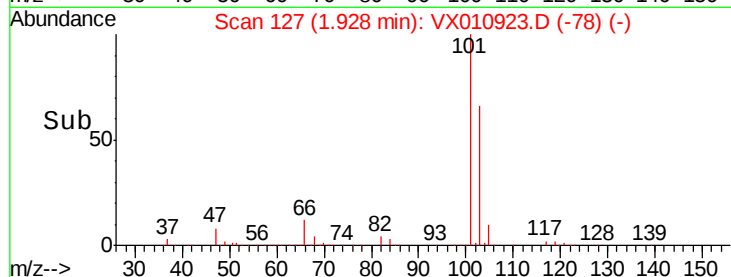
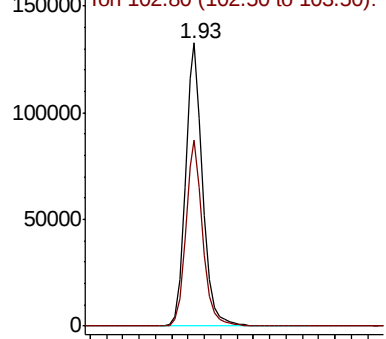
Trichlorofluoromethane
 Concen: 51.765 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX010923.D
 Acq: 17 Jul 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 195146
 Ion Ratio Lower Upper
 101 100
 103 65.9 52.6 78.8



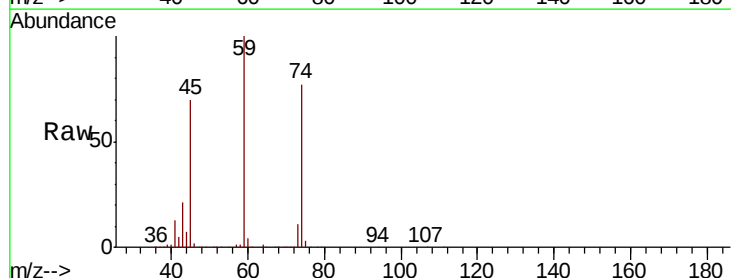
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



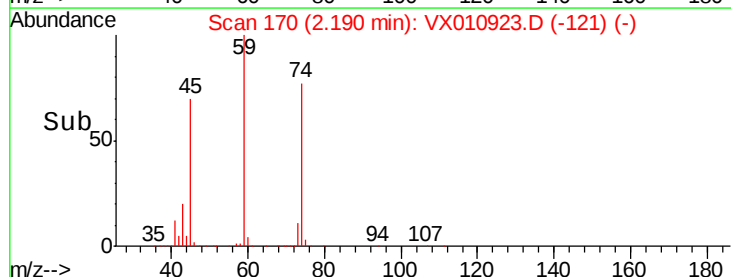
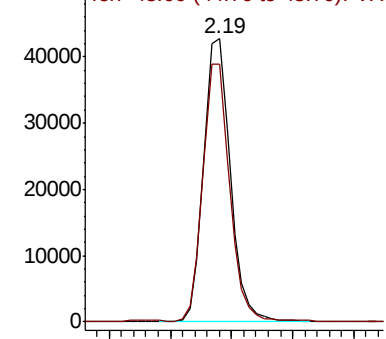
#8

Diethyl Ether
 Concen: 49.785 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX010923.D
 Acq: 17 Jul 2019 09:47

Tgt Ion: 74 Resp: 64665
 Ion Ratio Lower Upper
 74 100
 45 90.9 45.5 136.5



Abundance Ion 74.00 (73.70 to 74.70): VX0
 Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.998 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

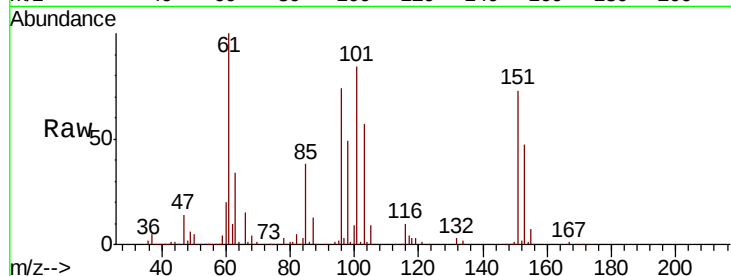
Tot Ion:101 Resp: 111925

Ion Ratio Lower Upper

101 100

85 44.1 34.6 52.0

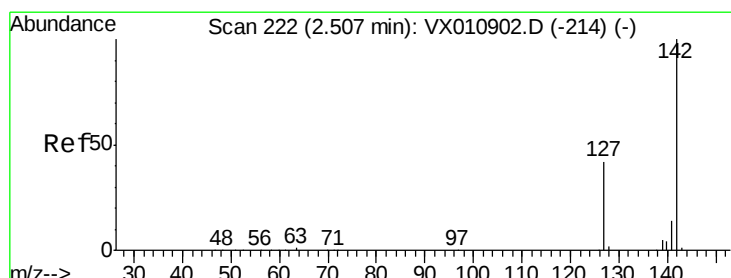
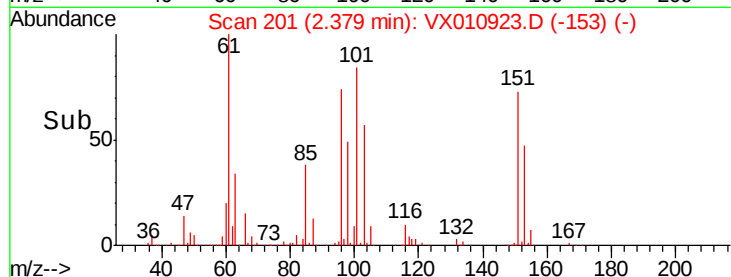
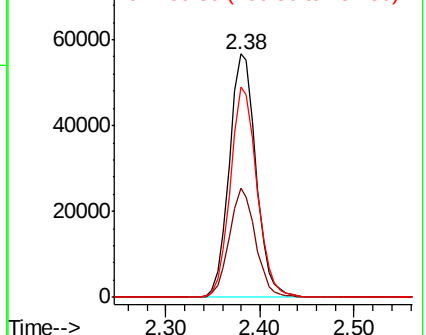
151 86.3 69.6 104.4



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: 51.404 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

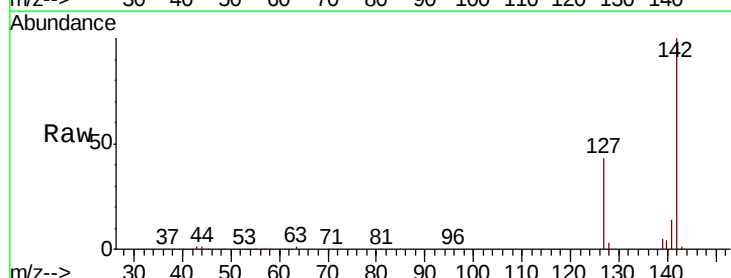
Tgt Ion:142 Resp: 145198

Ion Ratio Lower Upper

142 100

127 41.8 34.2 51.4

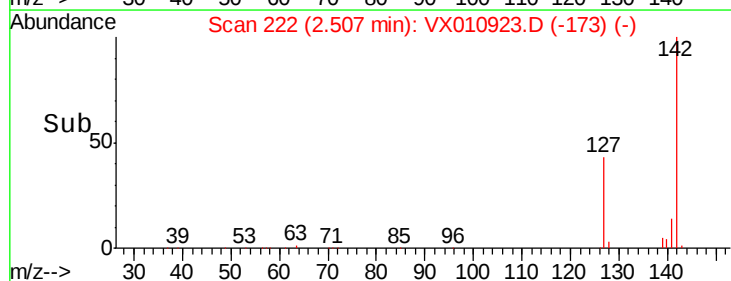
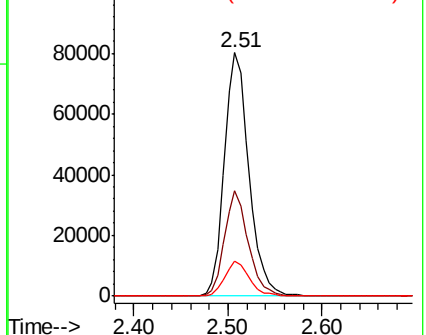
141 14.2 11.7 17.5



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



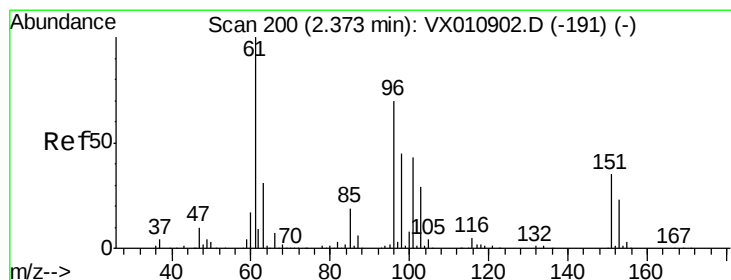
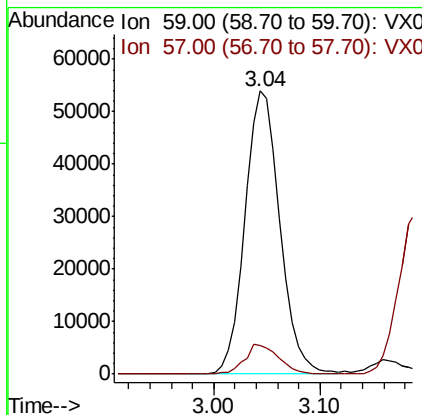
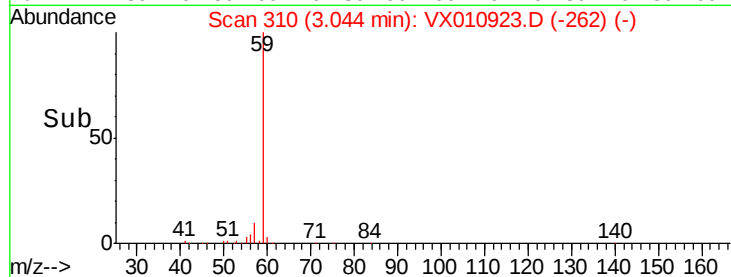
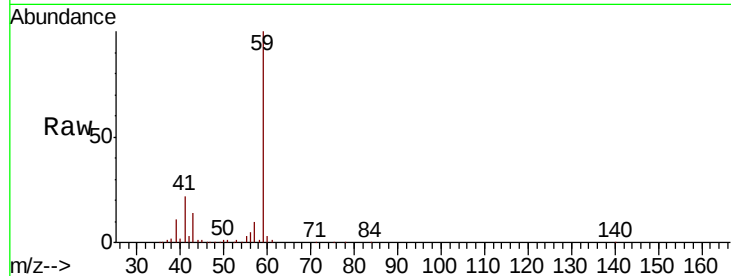


#11

Tert butyl alcohol
Concen: 211.454 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010923.D
Acq: 17 Jul 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

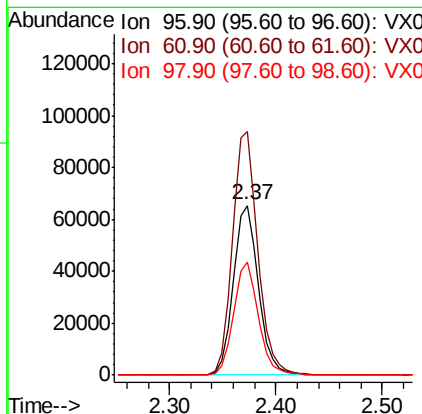
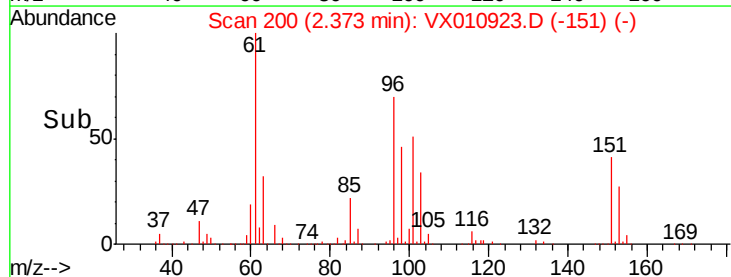
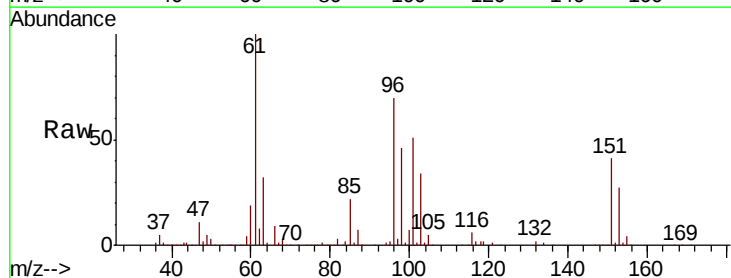
Tot Ion: 59 Resp: 124388
Ion Ratio Lower Upper
59 100
57 10.3 7.9 11.9

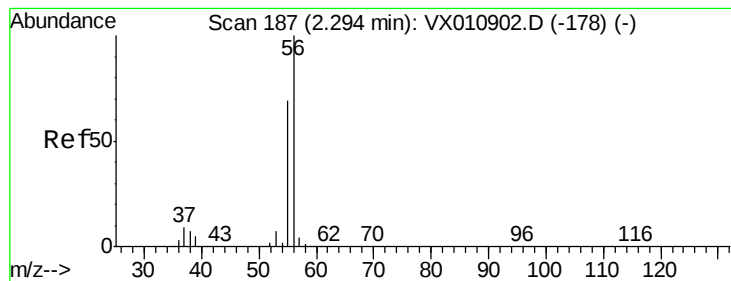


#12

1,1-Dichloroethene
Concen: 51.352 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010923.D
Acq: 17 Jul 2019 09:47

Tgt Ion: 96 Resp: 108601
Ion Ratio Lower Upper
96 100
61 143.8 115.0 172.4
98 66.6 52.2 78.2





#13

Acrolein

Concen: 211.430 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

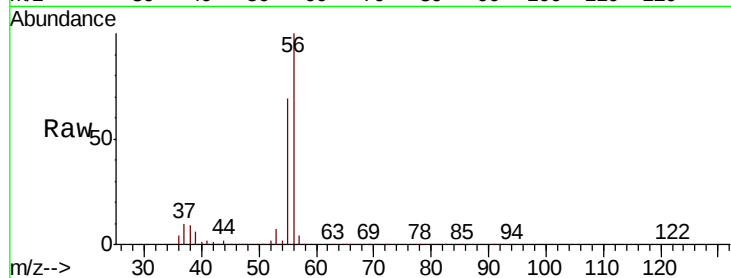
VSTDCCC050

Tot Ion: 56 Resp: 71859

Ion Ratio Lower Upper

56 100

55 70.7 55.9 83.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

50000

40000

30000

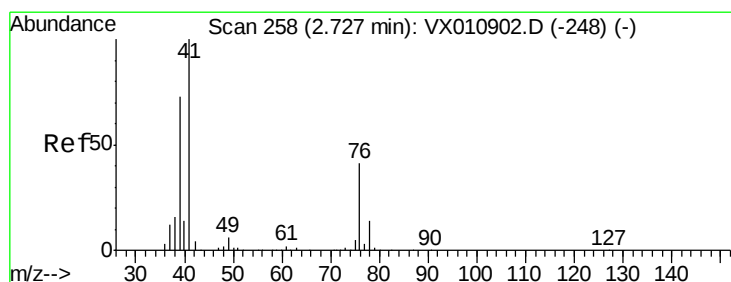
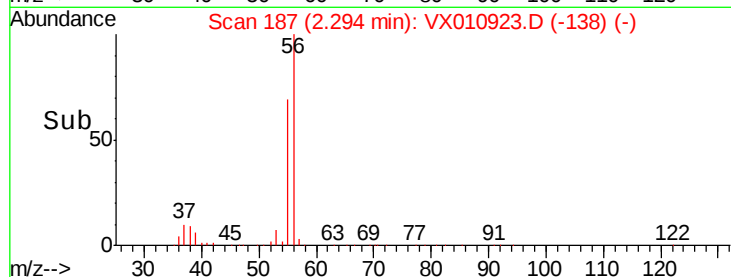
20000

10000

0

Time-->

2.20 2.30 2.40



#14

Allyl chloride

Concen: 51.799 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

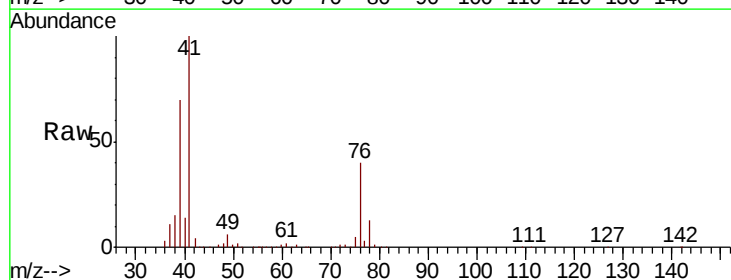
Tgt Ion: 41 Resp: 159121

Ion Ratio Lower Upper

41 100

39 67.4 53.6 80.4

76 37.5 29.7 44.5



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

150000

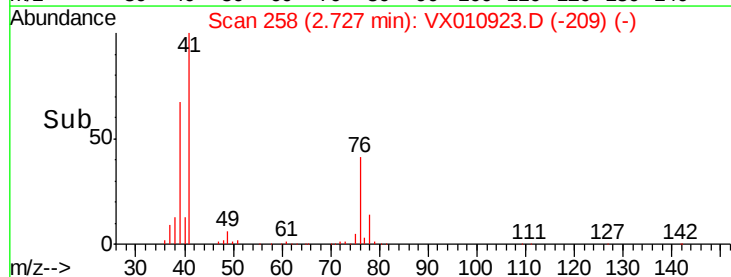
100000

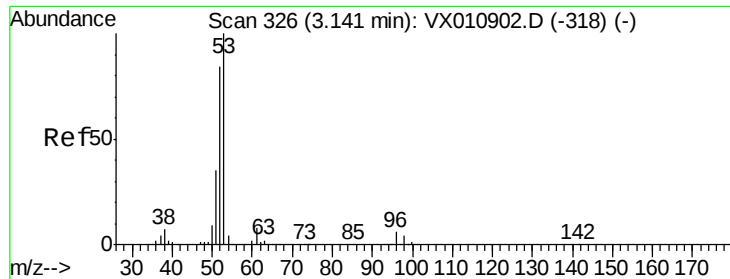
50000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 245.311 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

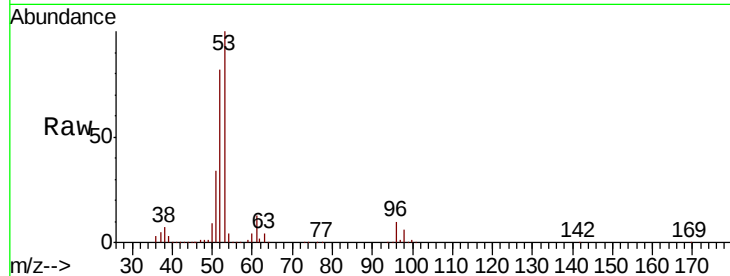
Tot Ion: 53 Resp: 291595

Ion Ratio Lower Upper

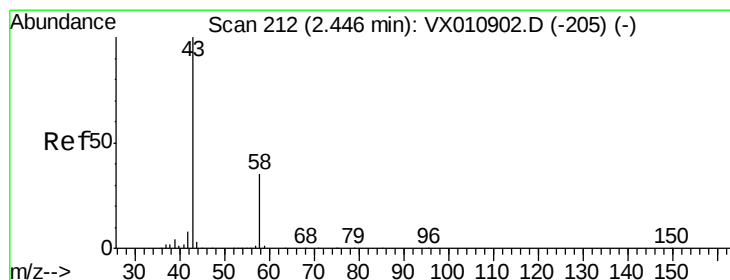
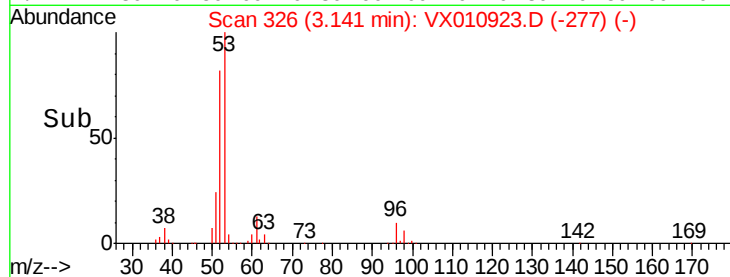
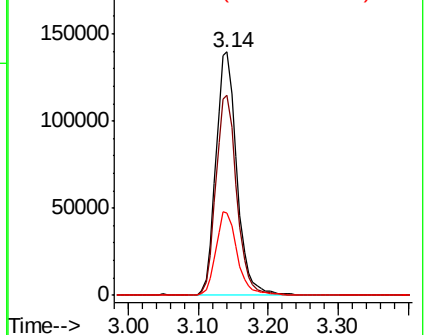
53 100

52 81.5 66.5 99.7

51 35.0 28.2 42.4



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: 284.877 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010923.D

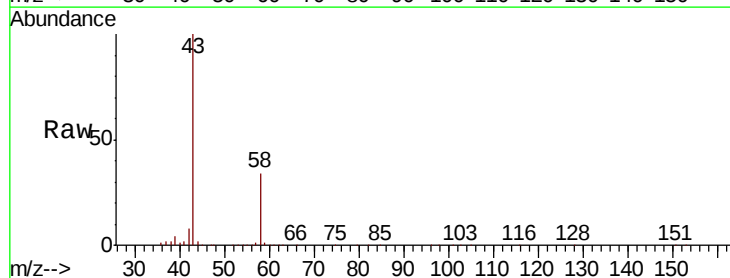
Acq: 17 Jul 2019 09:47

Tgt Ion: 43 Resp: 324989

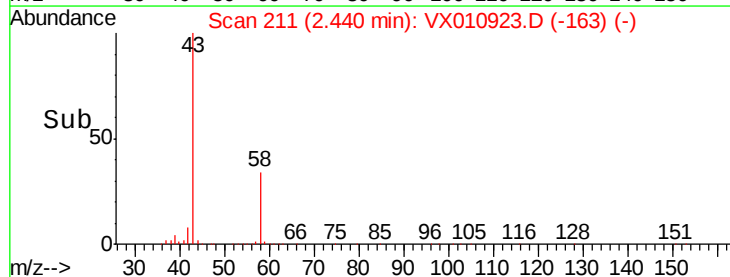
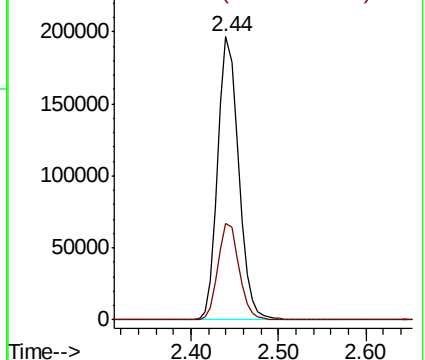
Ion Ratio Lower Upper

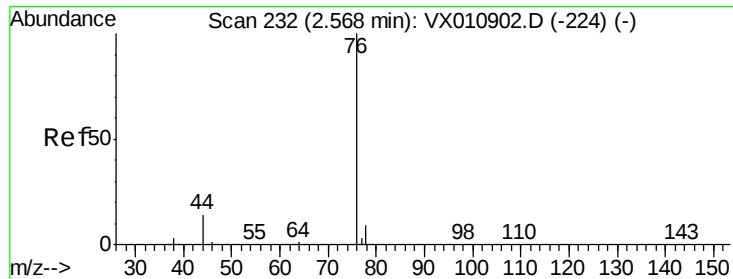
43 100

58 33.9 27.7 41.5



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

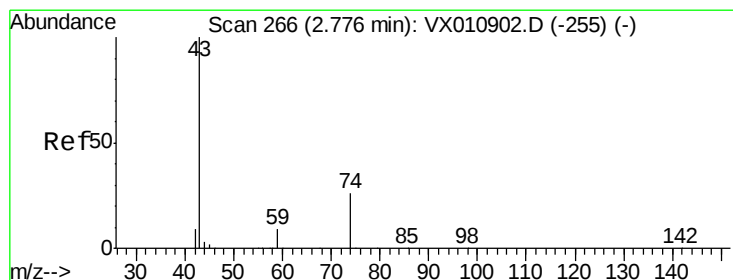
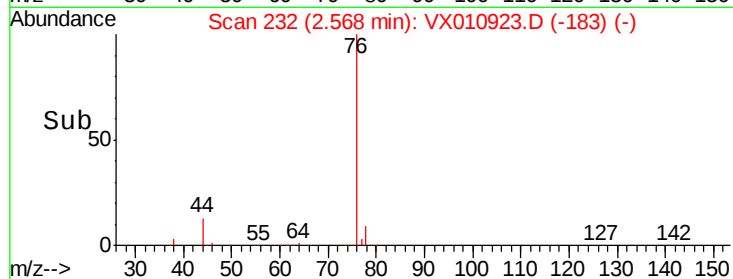
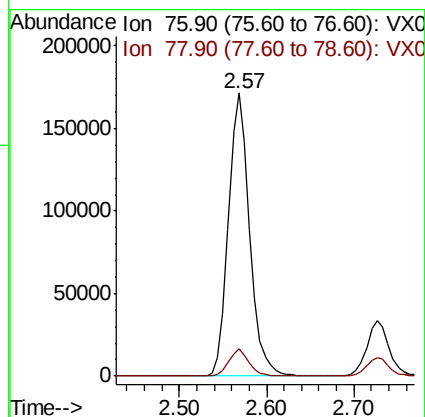
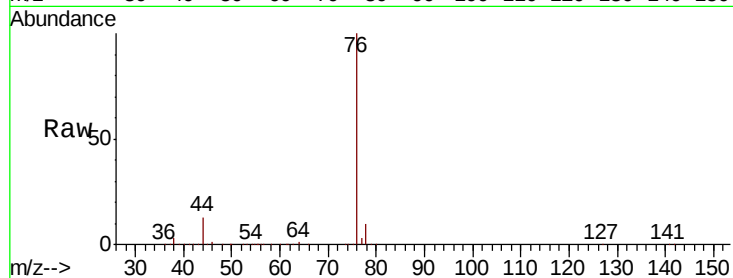




#17
Carbon Disulfide
Concen: 53.008 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX010923.D
Acq: 17 Jul 2019 09:47

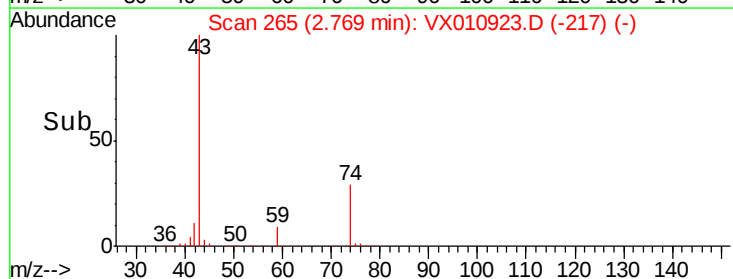
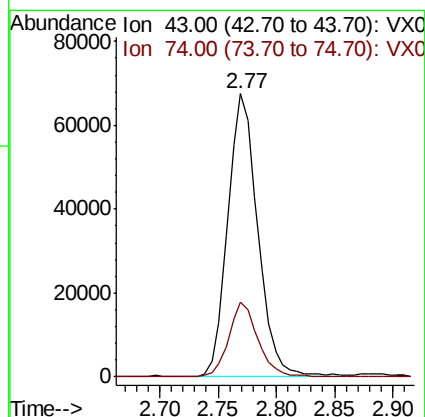
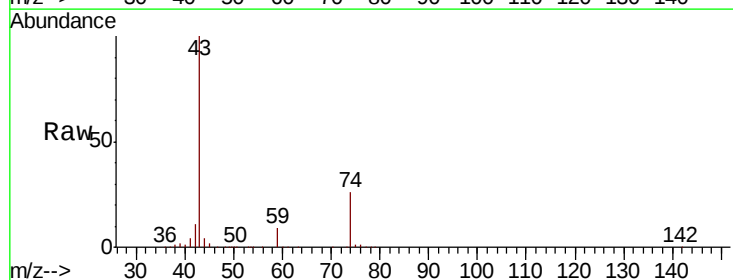
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

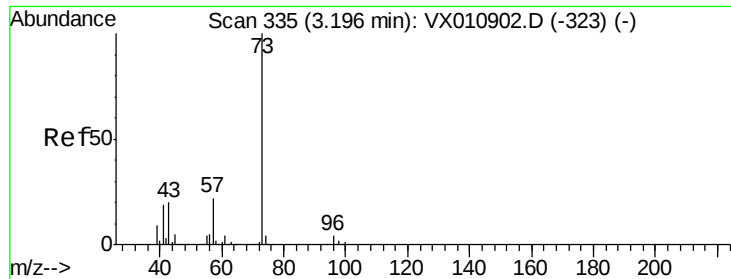
Tot Ion: 76 Resp: 287560
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0



#18
Methyl Acetate
Concen: 46.415 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010923.D
Acq: 17 Jul 2019 09:47

Tgt Ion: 43 Resp: 120570
Ion Ratio Lower Upper
43 100
74 26.1 21.5 32.3



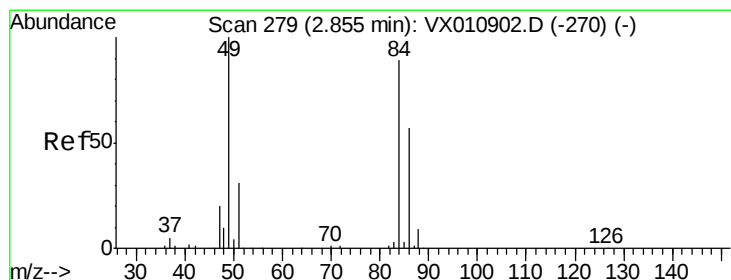
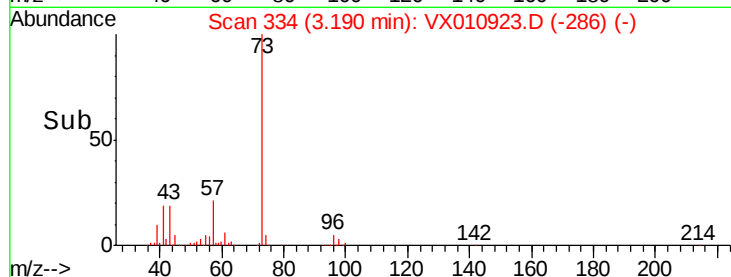
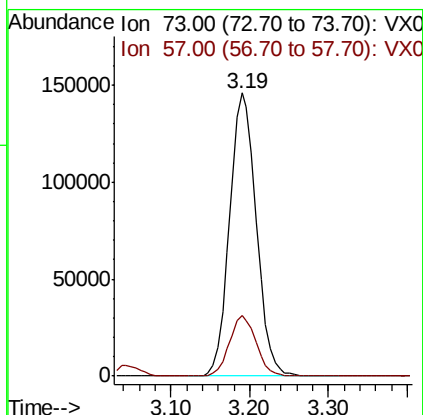
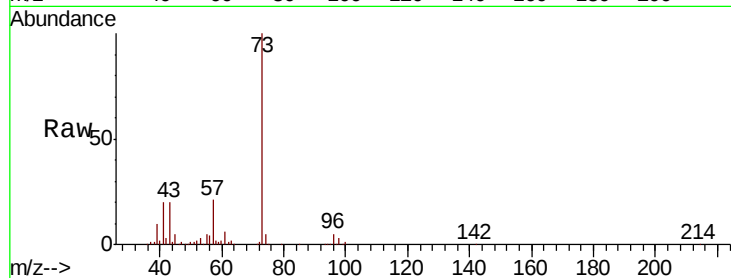


#19

Methyl tert-butyl Ether
 Concen: 50.424 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX010923.D
 Acq: 17 Jul 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

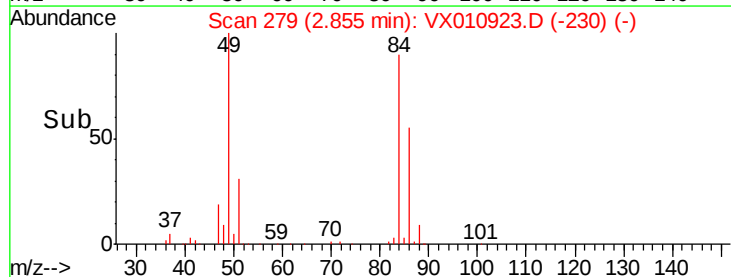
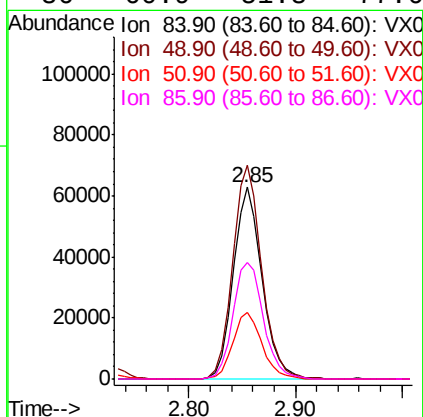
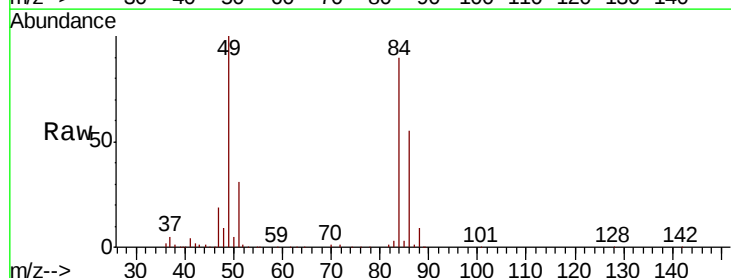
Tot Ion: 73 Resp: 343290
 Ion Ratio Lower Upper
 73 100
 57 21.4 17.3 25.9

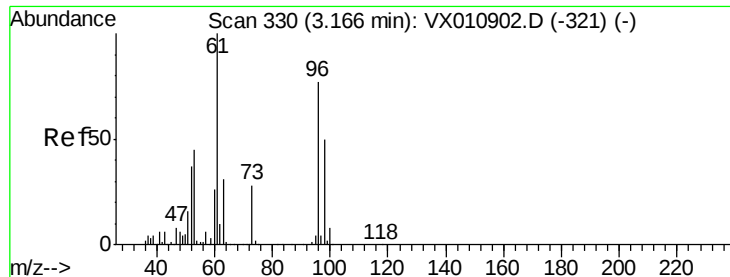


#20

Methylene Chloride
 Concen: 49.405 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX010923.D
 Acq: 17 Jul 2019 09:47

Tgt Ion: 84 Resp: 119443
 Ion Ratio Lower Upper
 84 100
 49 111.5 89.9 134.9
 51 34.7 27.8 41.6
 86 60.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 51.364 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

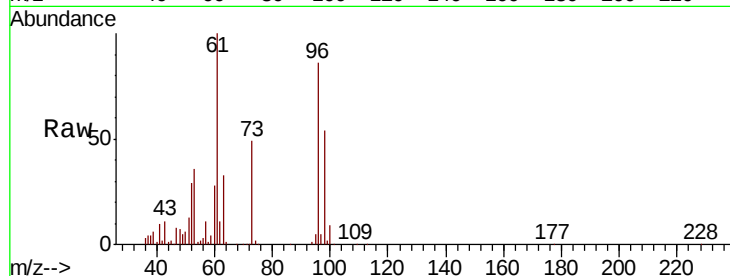
Tot Ion: 96 Resp: 115257

Ion Ratio Lower Upper

96 100

61 115.7 104.2 156.2

98 62.8 52.2 78.4

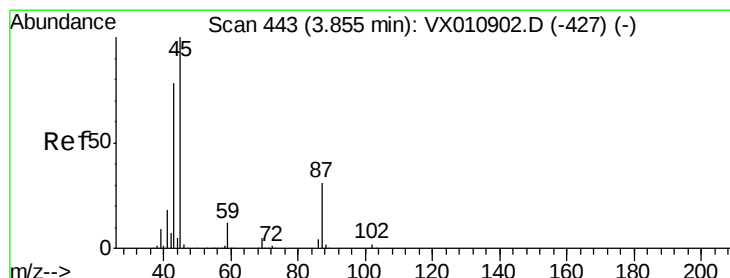
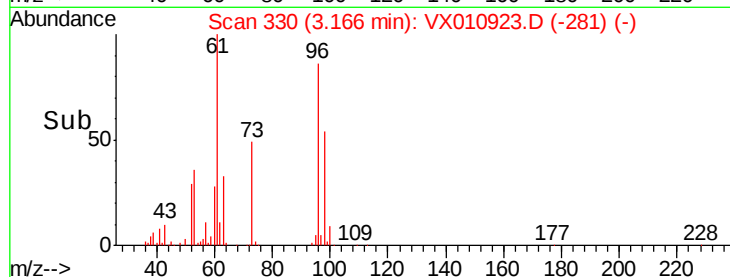
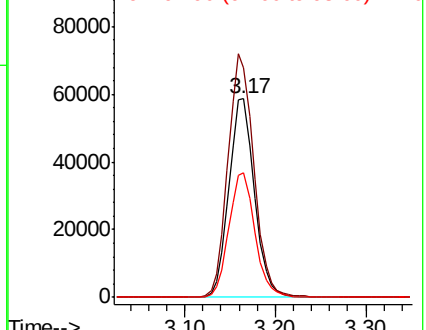


Abundance

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



#22

Diisopropyl ether

Concen: 50.669 ug/l

RT: 3.85 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

Tgt Ion: 45 Resp: 328272

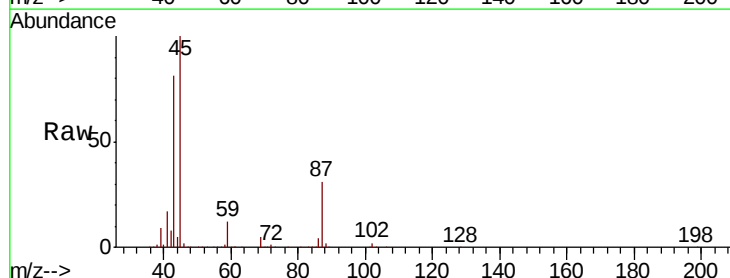
Ion Ratio Lower Upper

45 100

43 81.0 62.3 93.5

87 31.2 25.0 37.4

59 12.4 9.9 14.9



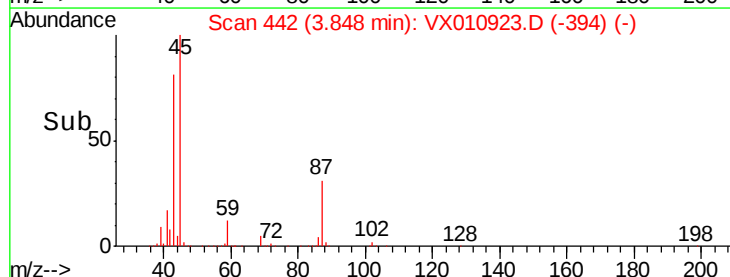
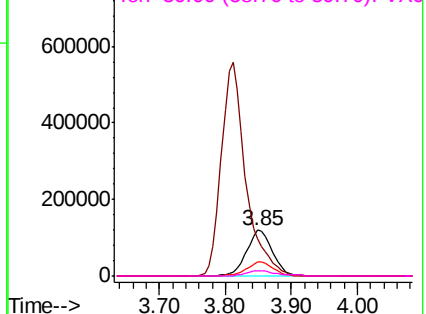
Abundance

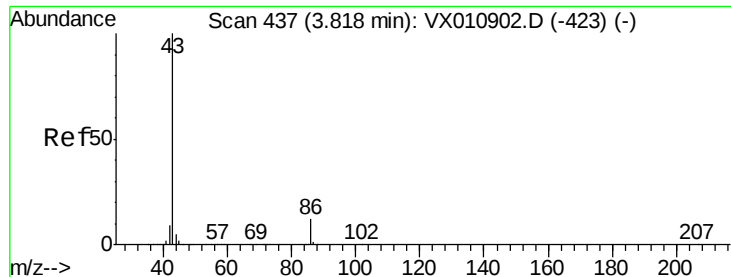
Ion 45.00 (44.70 to 45.70): VX0

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: 262.650 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

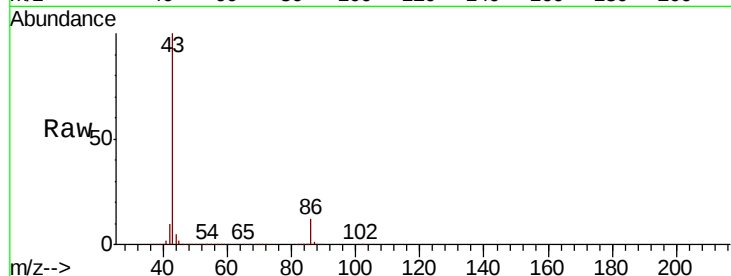
VSTDCCC050

Tot Ion: 43 Resp: 1441800

Ion Ratio Lower Upper

43 100

86 11.7 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

600000

500000

400000

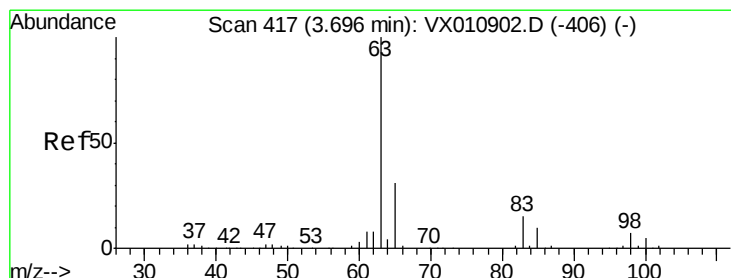
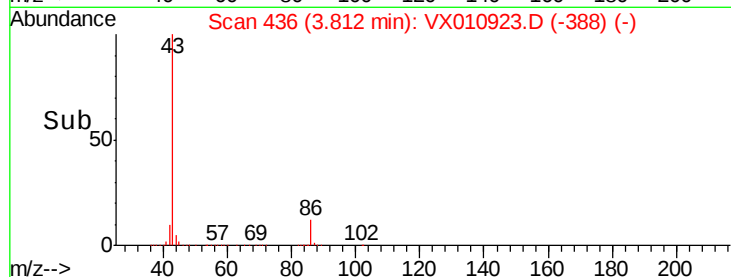
300000

200000

100000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 50.205 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

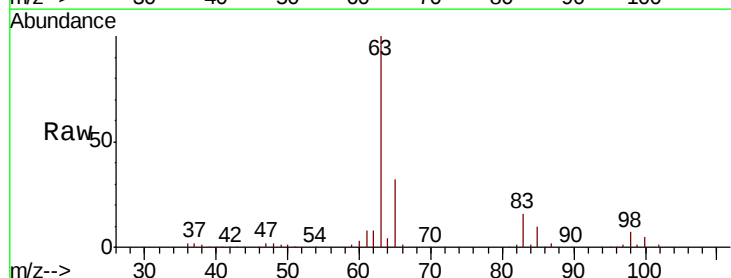
Tgt Ion: 63 Resp: 188900

Ion Ratio Lower Upper

63 100

98 6.8 3.6 10.9

100 5.4 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

100000

80000

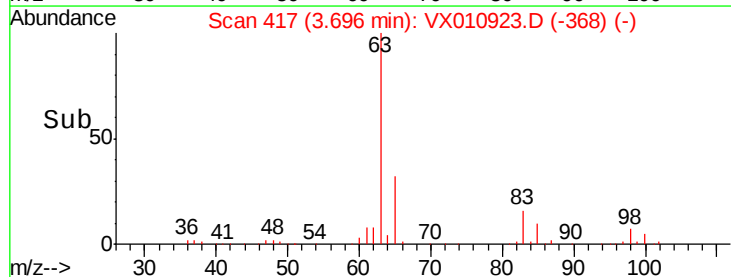
60000

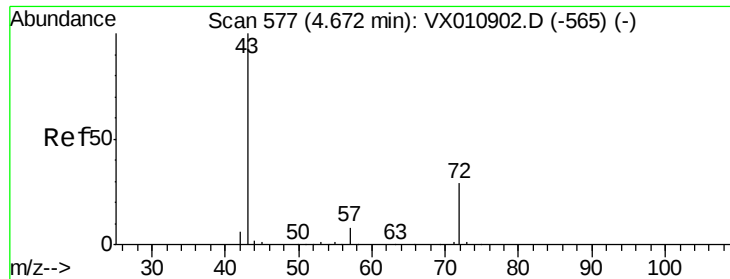
40000

20000

0

Time--> 3.60 3.70 3.80 3.90





#25

2-Butanone

Concen: 264.082 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

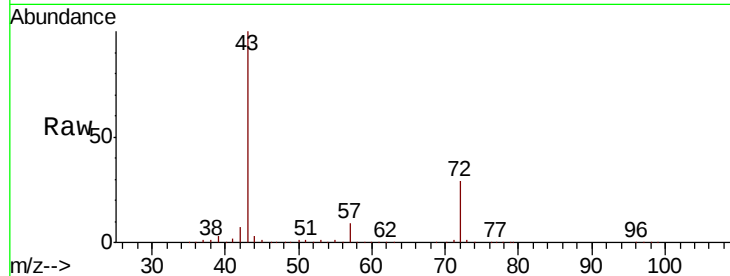
VSTDCCC050

Tot Ion: 43 Resp: 432464

Ion Ratio Lower Upper

43 100

72 29.1 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

150000

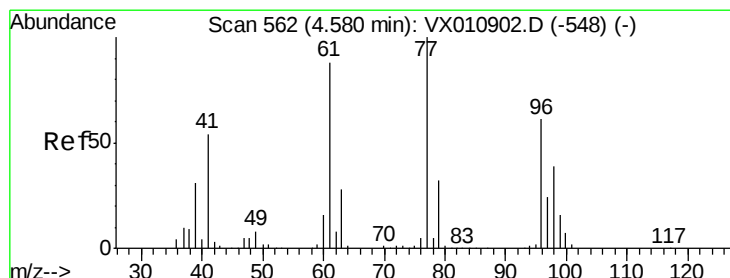
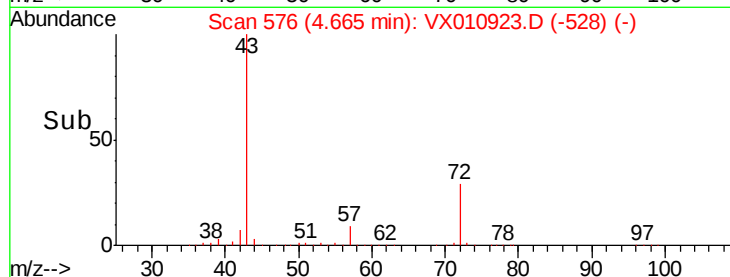
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 51.796 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX010923.D

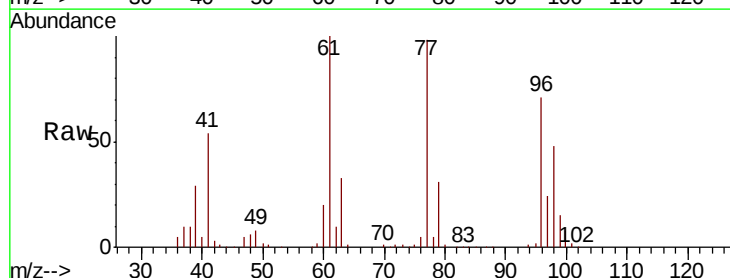
Acq: 17 Jul 2019 09:47

Tgt Ion: 77 Resp: 160019

Ion Ratio Lower Upper

77 100

97 25.2 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

30000

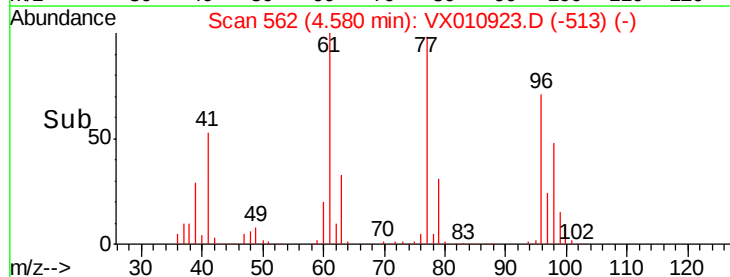
20000

10000

0

4.40 4.50 4.60 4.70

Time-->



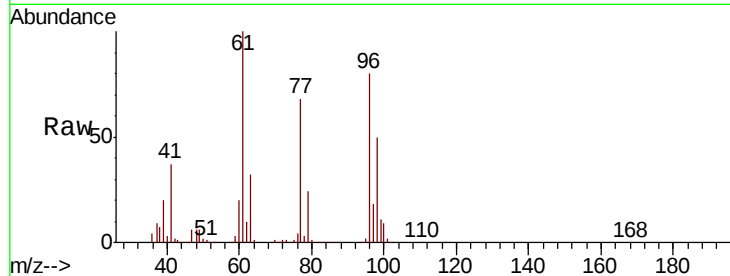


#27

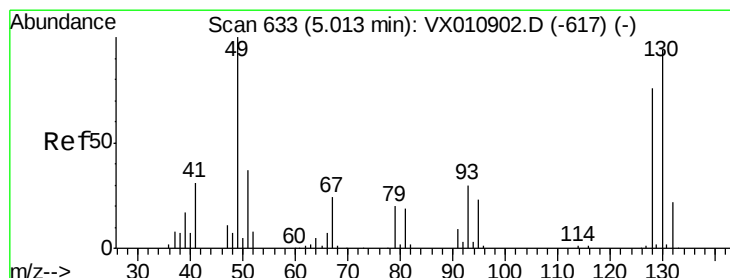
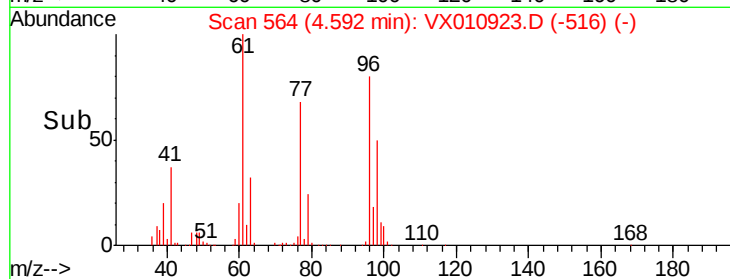
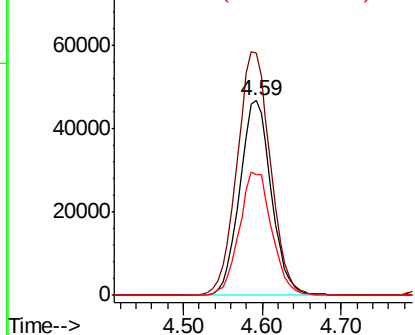
cis-1,2-Dichloroethene
Concen: 50.325 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX010923.D
Acq: 17 Jul 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 130693
Ion Ratio Lower Upper
96 100
61 132.1 0.0 269.0
98 65.1 0.0 131.4



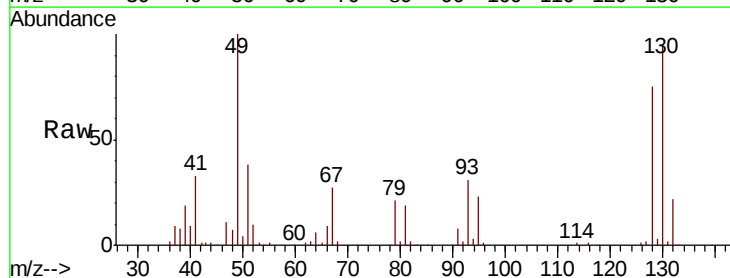
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



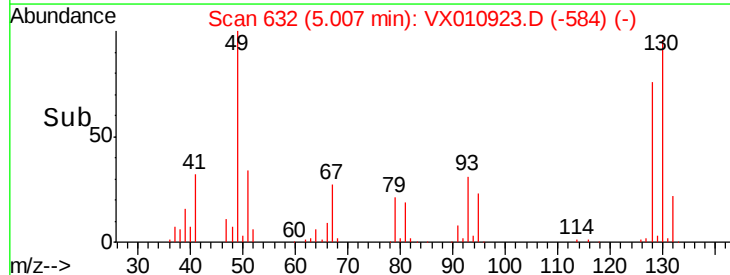
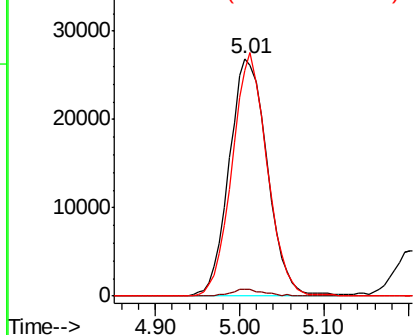
#28

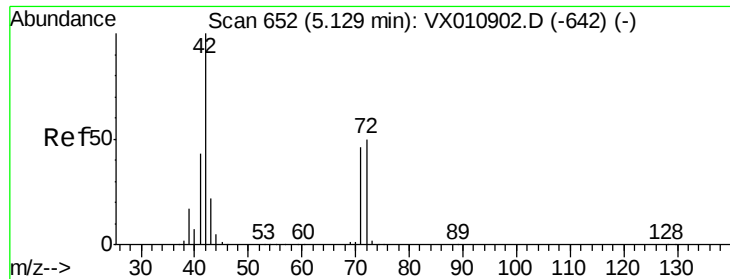
Bromochloromethane
Concen: 46.603 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX010923.D
Acq: 17 Jul 2019 09:47

Tgt Ion: 49 Resp: 82630
Ion Ratio Lower Upper
49 100
129 2.7 0.0 5.2
130 94.1 76.9 115.3



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: 241.213 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

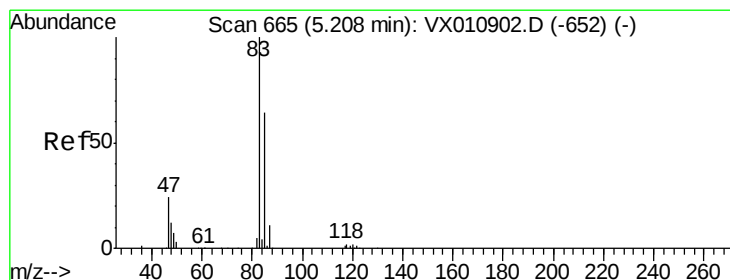
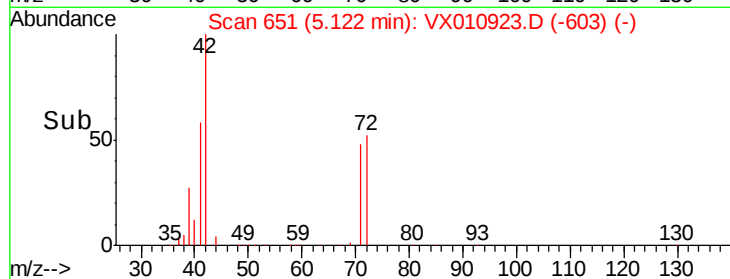
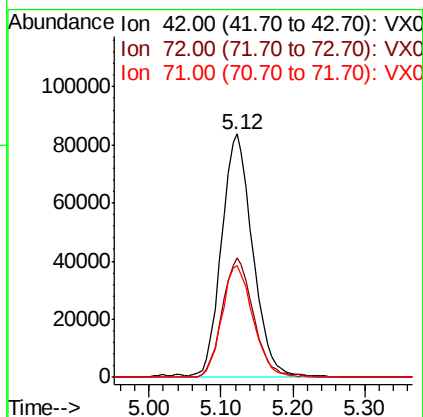
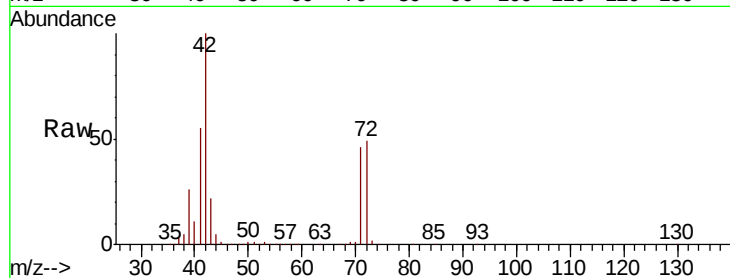
Tot Ion: 42 Resp: 250217

Ion Ratio Lower Upper

42 100

72 49.9 39.8 59.8

71 46.3 37.0 55.4



#30

Chloroform

Concen: 49.634 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.00 min

Lab File: VX010923.D

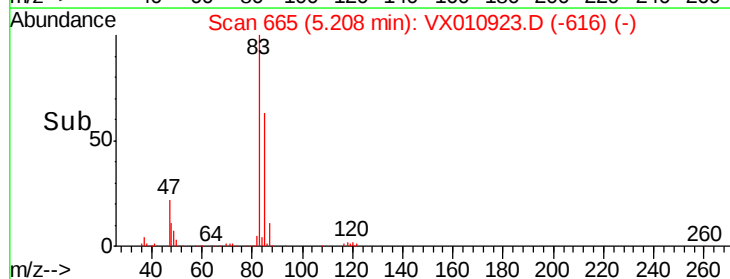
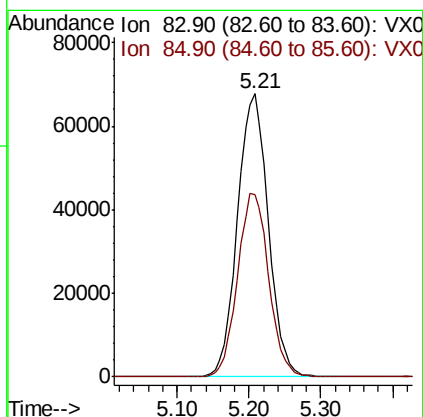
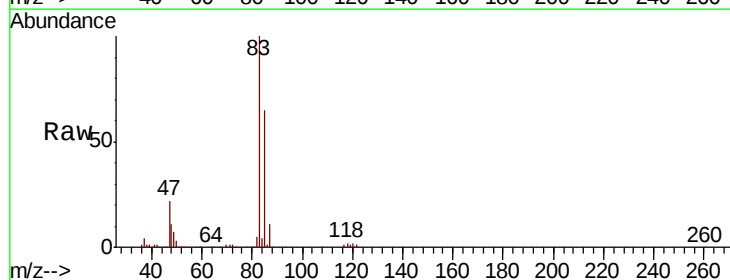
Acq: 17 Jul 2019 09:47

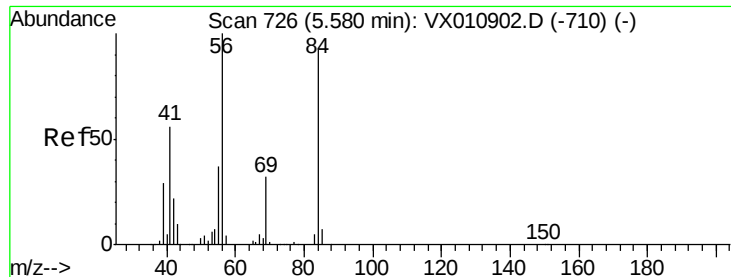
Tgt Ion: 83 Resp: 201859

Ion Ratio Lower Upper

83 100

85 64.6 51.4 77.0





#31

Cvclohexane

Concen: 51.144 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

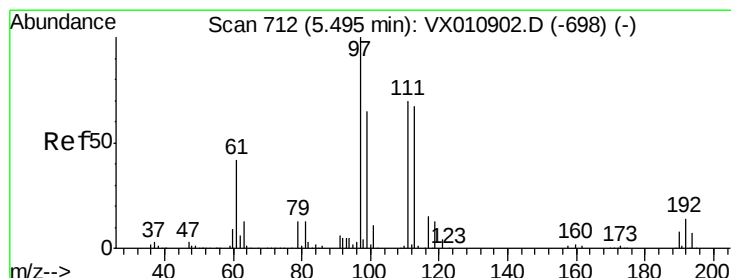
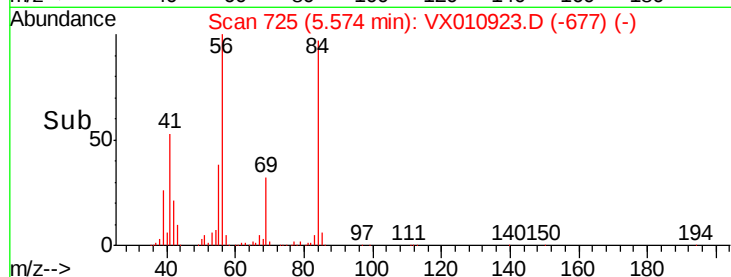
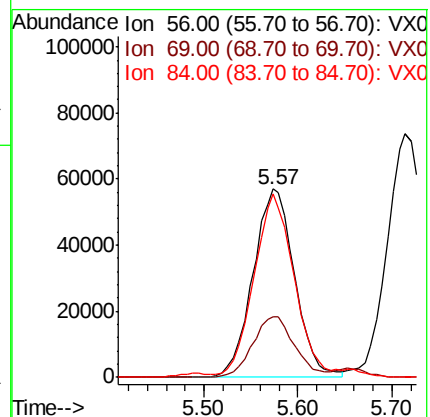
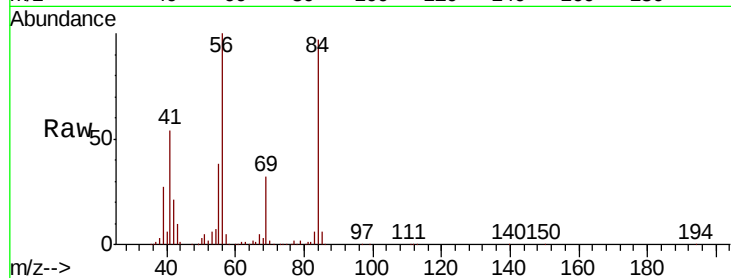
Tot Ion: 56 Resp: 175400

Ion Ratio Lower Upper

56 100

69 32.0 25.8 38.8

84 95.2 73.8 110.6



#32

1,1,1-Trichloroethane

Concen: 51.283 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

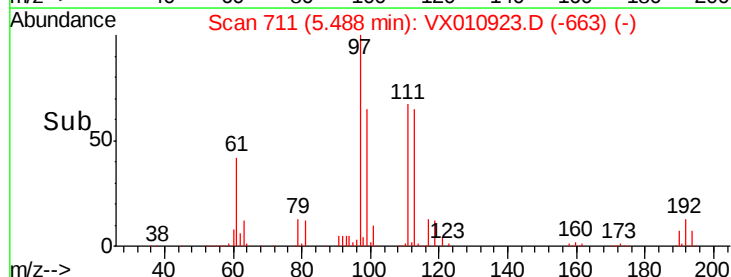
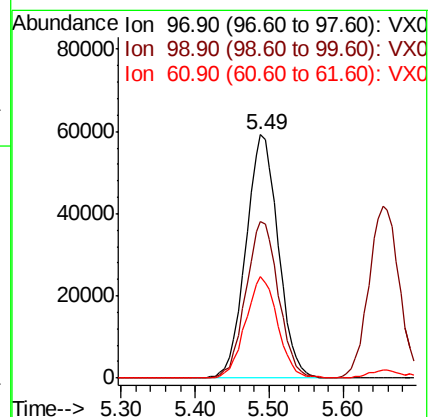
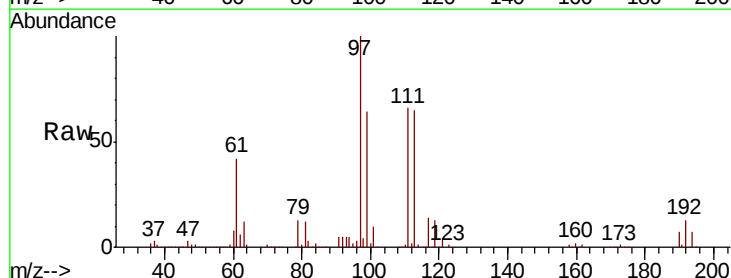
Tgt Ion: 97 Resp: 180440

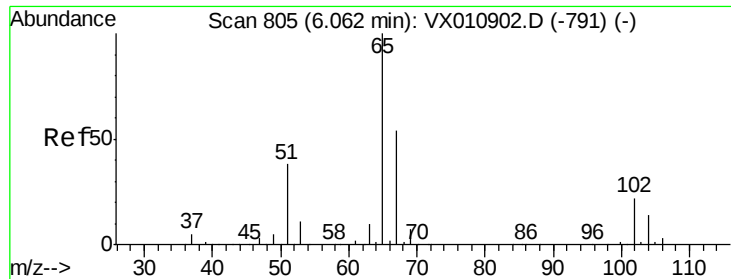
Ion Ratio Lower Upper

97 100

99 64.8 51.4 77.0

61 41.7 33.0 49.6

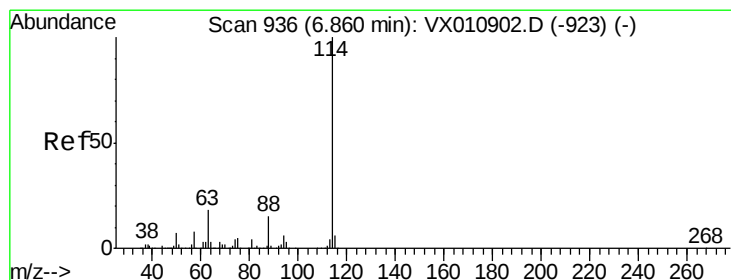
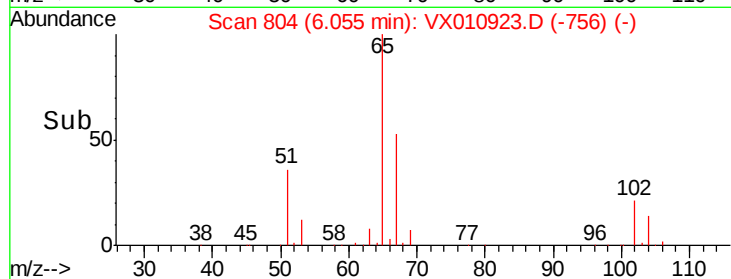
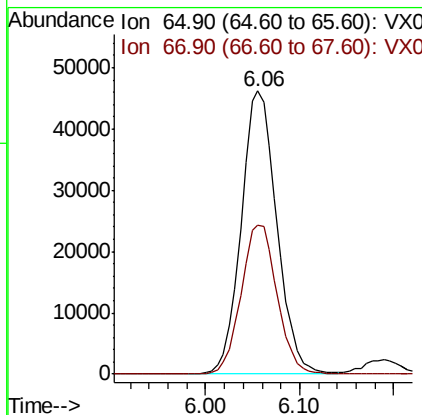
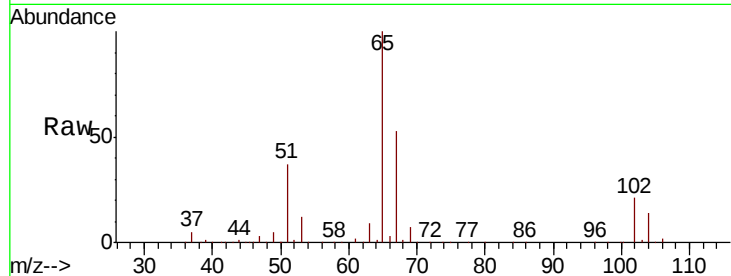




#33
 1,2-Dichloroethane-d4
 Concen: 48.348 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX010923.D
 Acq: 17 Jul 2019 09:47

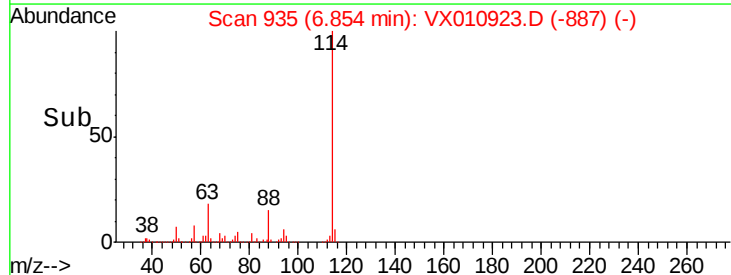
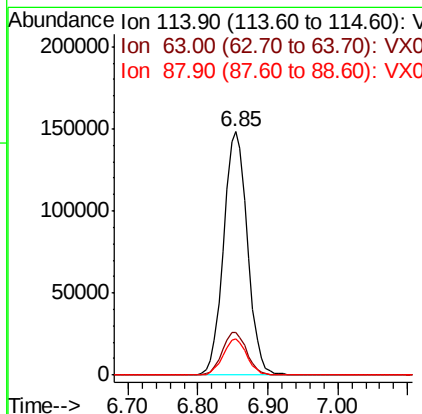
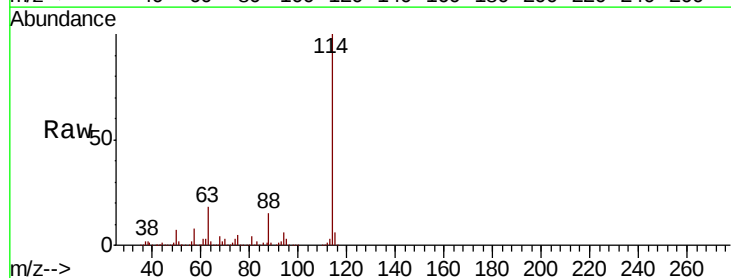
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

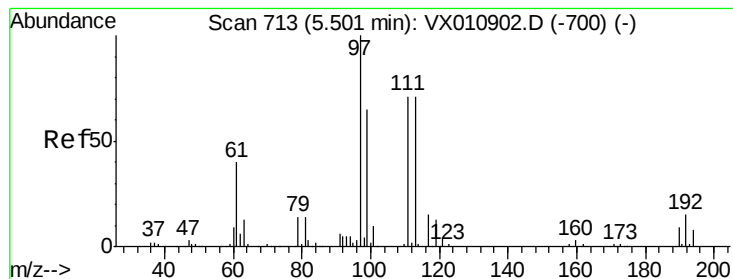
Tot Ion: 65 Resp: 122121
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010923.D
 Acq: 17 Jul 2019 09:47

Tgt Ion: 114 Resp: 350940
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 35.6
 88 14.7 0.0 29.8





#35

Dibromofluoromethane

Concen: 49.652 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

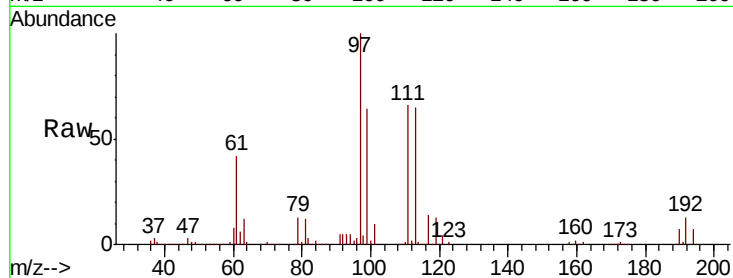
Tot Ion:113 Resp: 110599

Ion Ratio Lower Upper

113 100

111 102.8 82.3 123.5

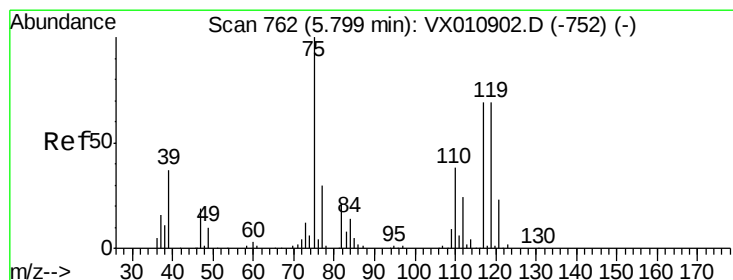
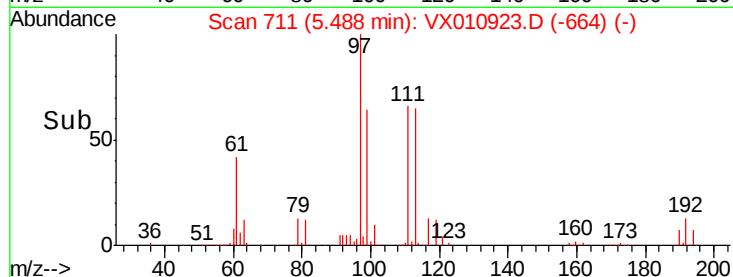
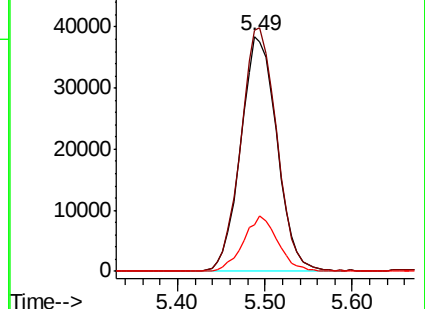
192 22.2 17.4 26.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.648 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

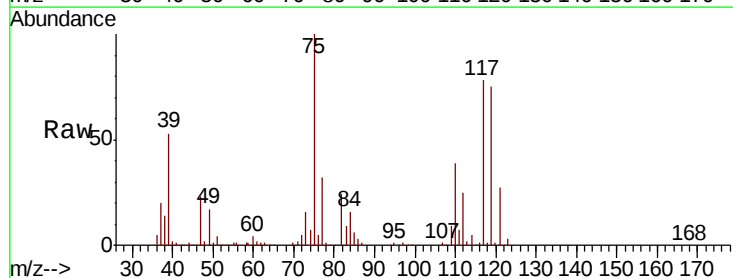
Tgt Ion: 75 Resp: 148882

Ion Ratio Lower Upper

75 100

110 40.0 19.9 59.7

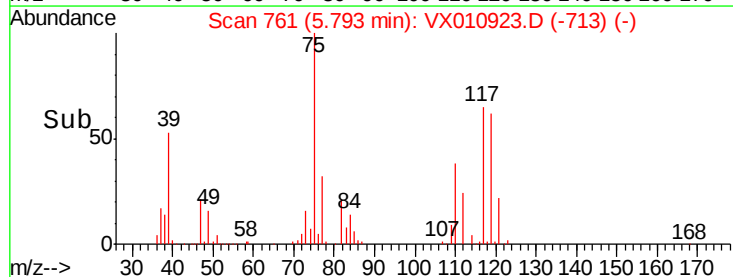
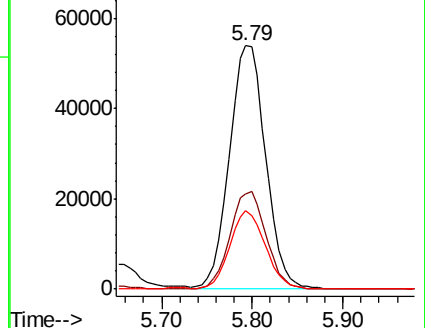
77 31.6 25.0 37.4

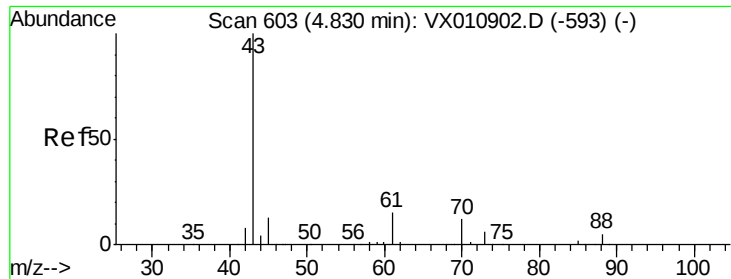


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

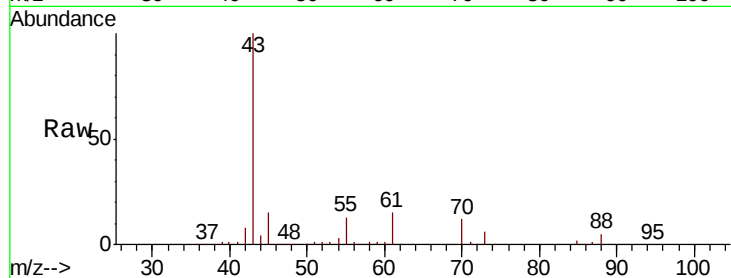




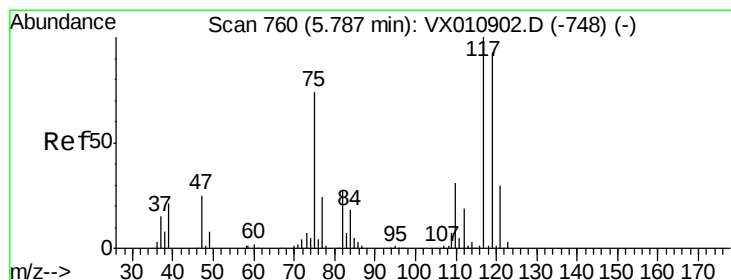
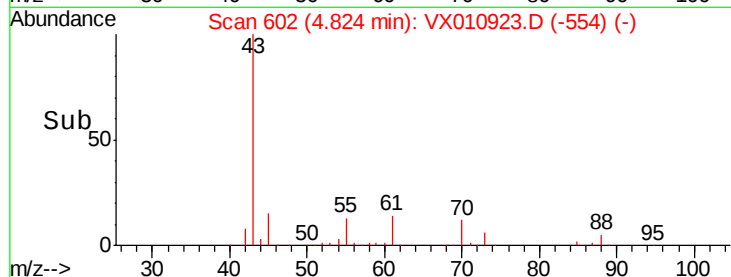
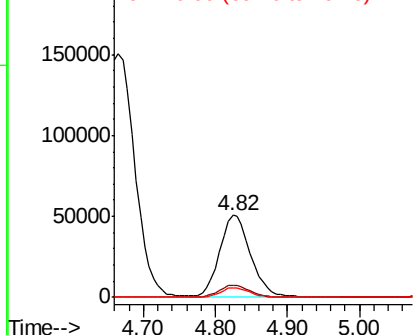
#37
Ethyl Acetate
Concen: 51.260 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.01 min
Lab File: VX010923.D
Acq: 17 Jul 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 151307
Ion Ratio Lower Upper
43 100
61 14.7 11.6 17.4
70 11.4 9.1 13.7

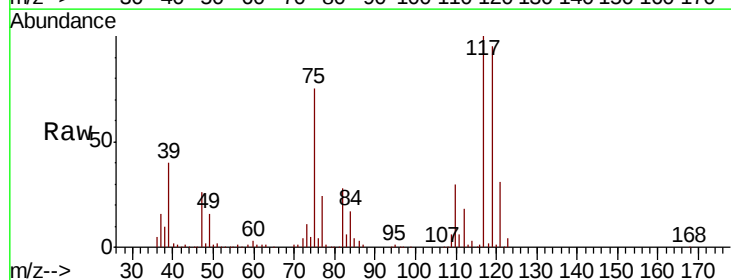


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

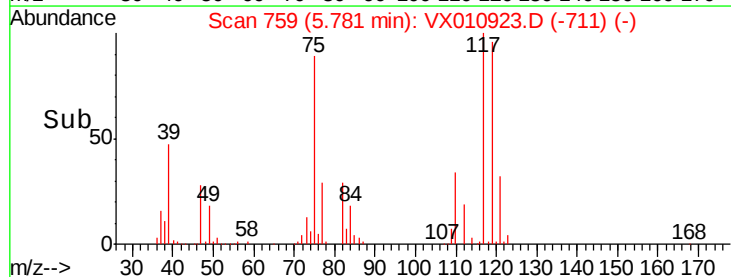
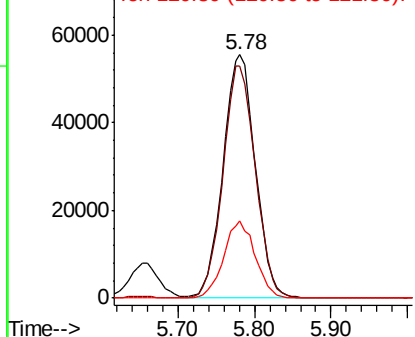


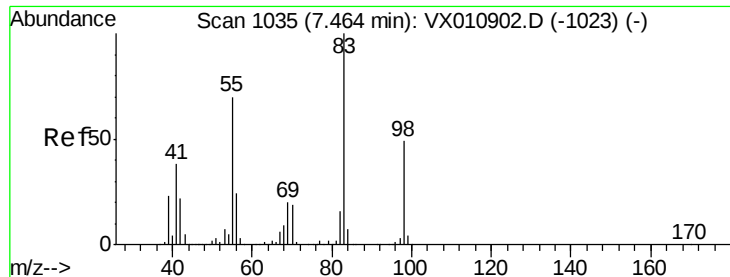
#38
Carbon Tetrachloride
Concen: 53.844 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX010923.D
Acq: 17 Jul 2019 09:47

Tgt Ion: 117 Resp: 161739
Ion Ratio Lower Upper
117 100
119 95.3 74.2 111.2
121 31.5 24.2 36.2



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

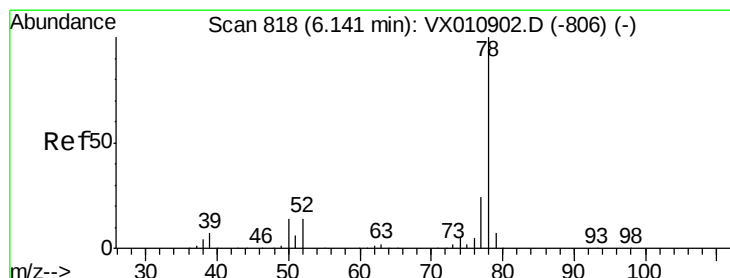
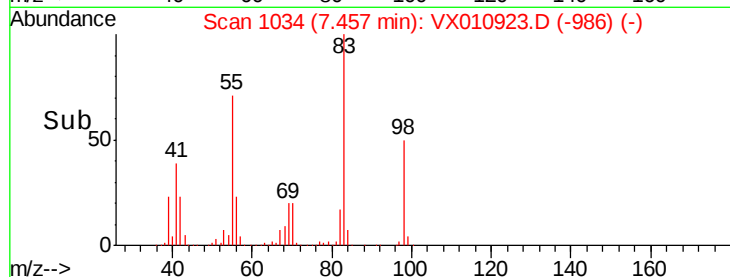
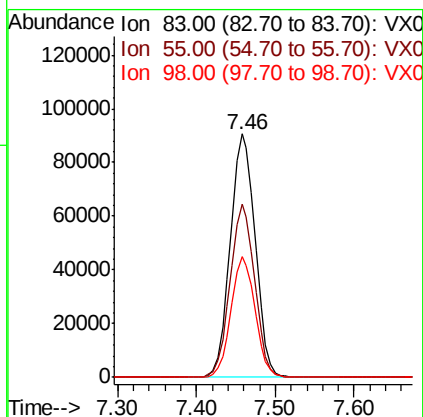
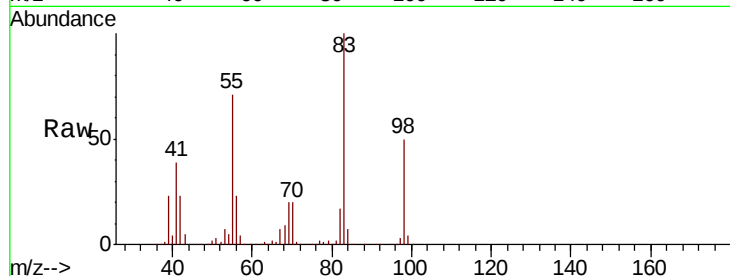




#39
Methvlcvclohexane
Concen: 53.285 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010923.D
Acq: 17 Jul 2019 09:47

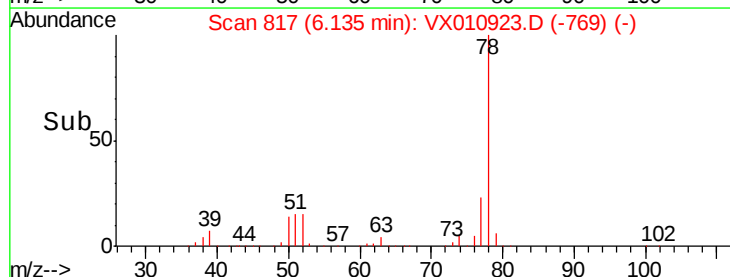
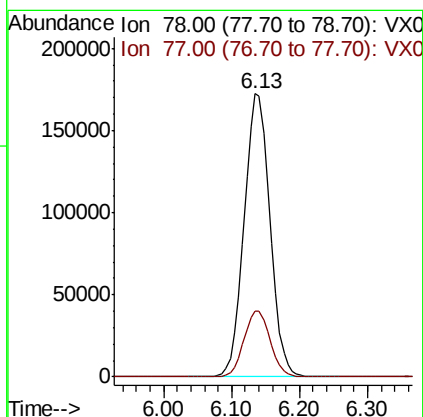
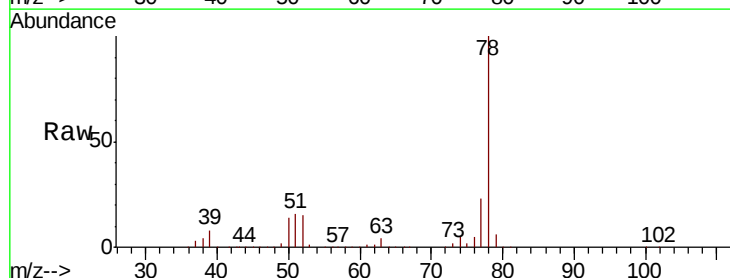
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

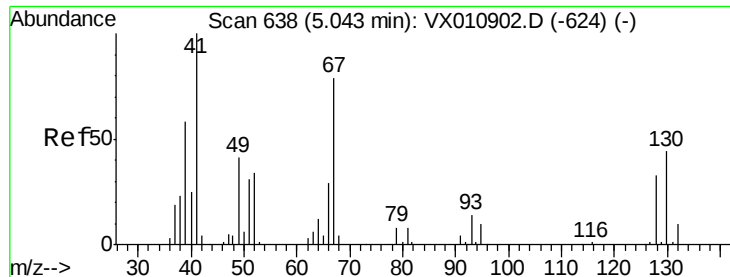
Tot Ion: 83 Resp: 199193
Ion Ratio Lower Upper
83 100
55 71.2 56.2 84.4
98 49.8 39.0 58.4



#40
Benzene
Concen: 51.712 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX010923.D
Acq: 17 Jul 2019 09:47

Tgt Ion: 78 Resp: 456624
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.6

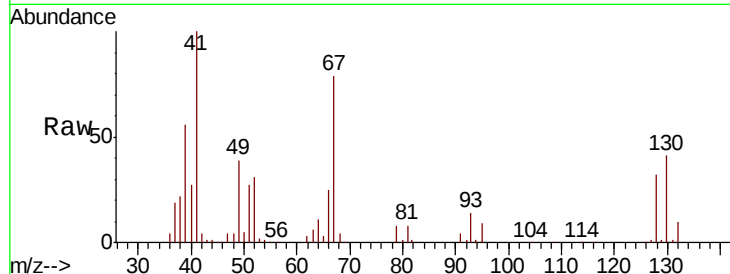




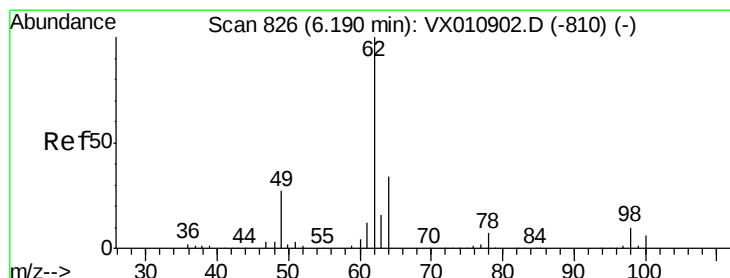
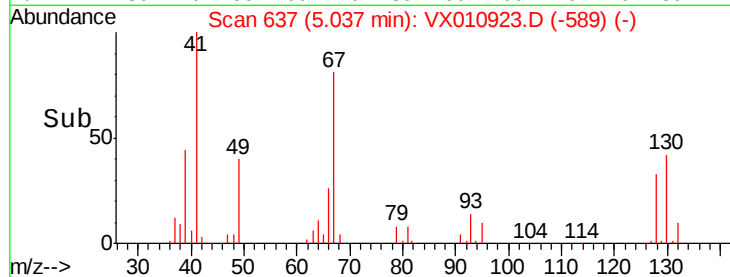
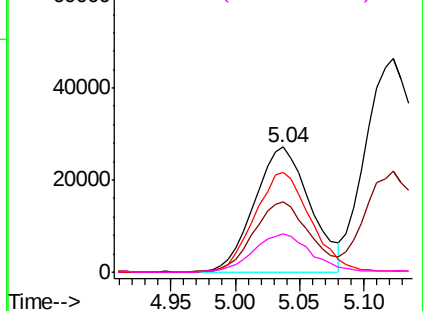
#41
Methacrylonitrile
Concen: 48.876 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX010923.D
Acq: 17 Jul 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	81898
Ion	Ratio	Lower	Upper
41	100		
39	56.9	45.4	68.2
67	80.2	65.9	98.9
52	32.6	26.2	39.2

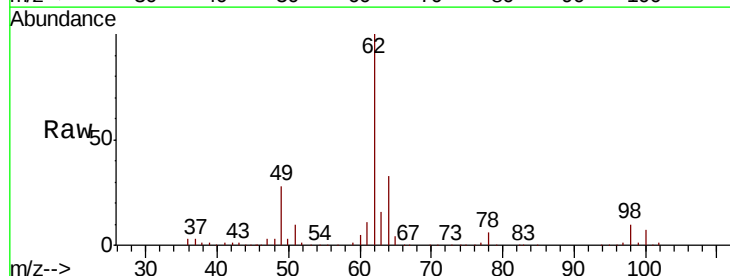


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

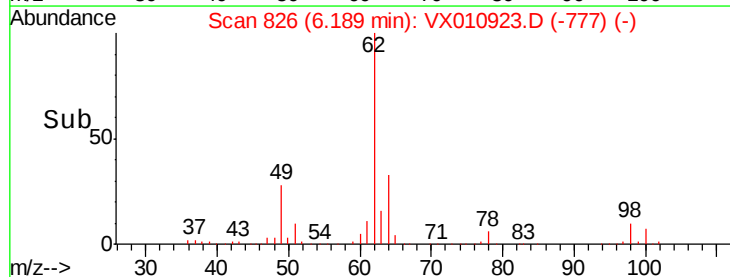
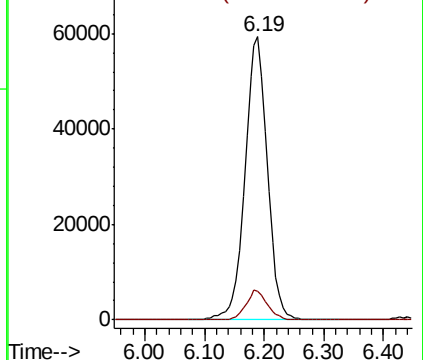


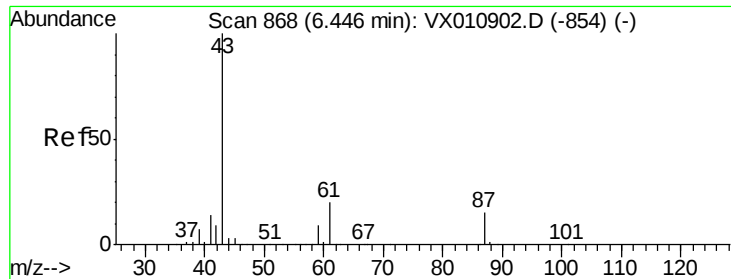
#42
1,2-Dichloroethane
Concen: 50.526 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX010923.D
Acq: 17 Jul 2019 09:47

Tgt Ion:	62	Resp:	155126
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.0



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 50.593 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

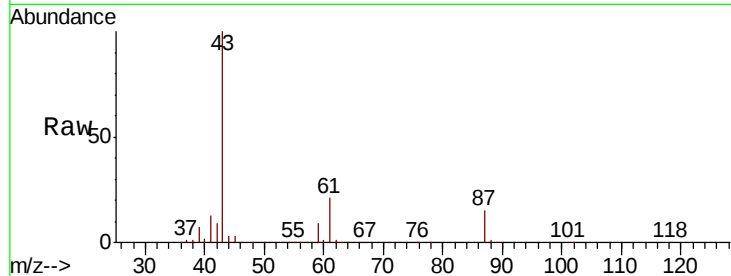
Tot Ion: 43 Resp: 245556

Ion Ratio Lower Upper

43 100

61 21.0 17.1 25.7

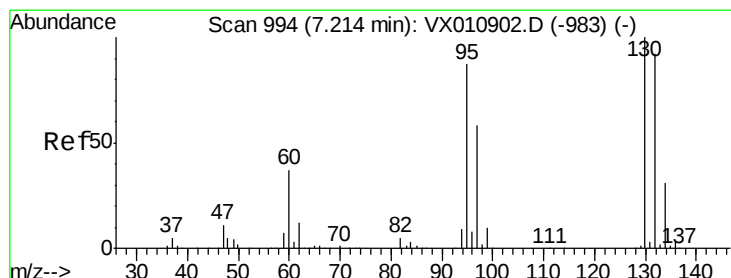
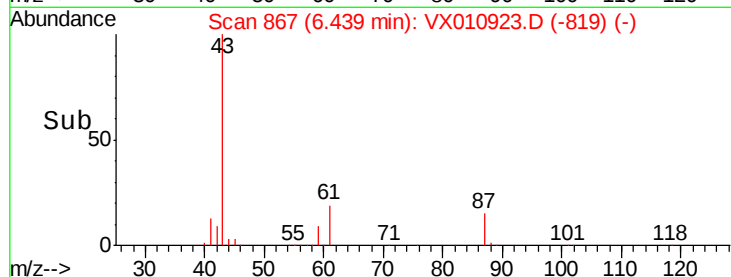
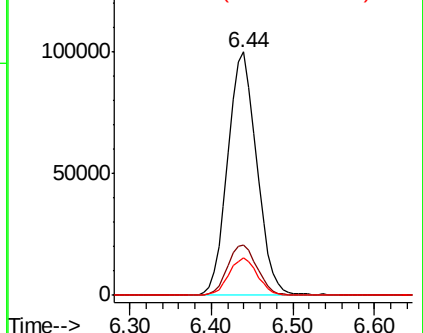
87 15.2 12.0 18.0



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: 51.013 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX010923.D

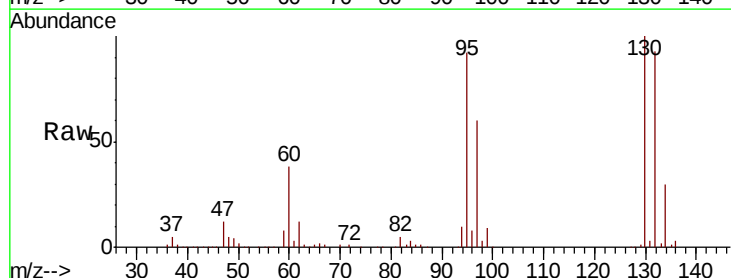
Acq: 17 Jul 2019 09:47

Tgt Ion:130 Resp: 133336

Ion Ratio Lower Upper

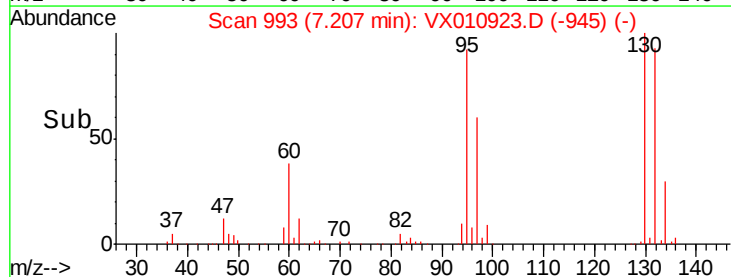
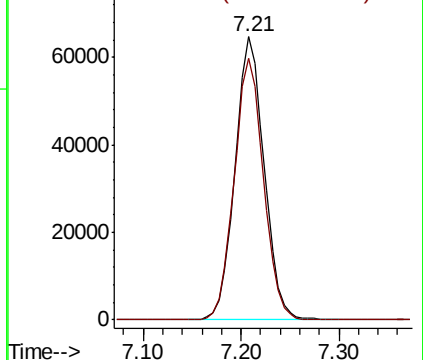
130 100

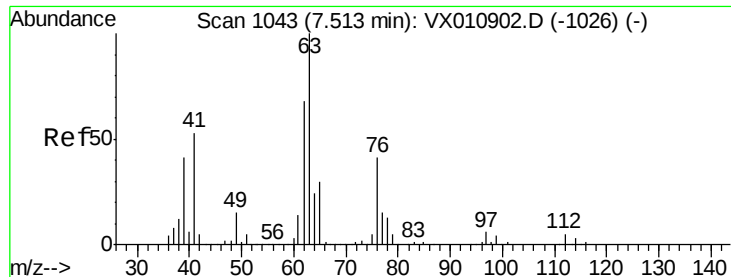
95 92.2 0.0 174.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 50.420 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

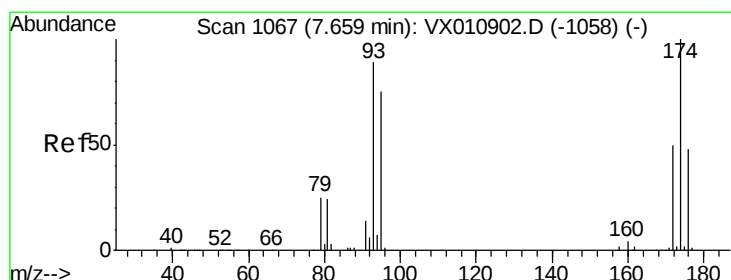
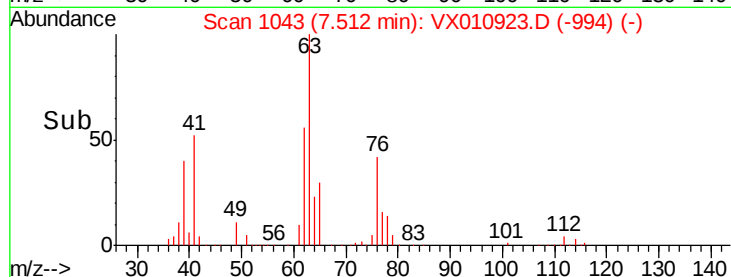
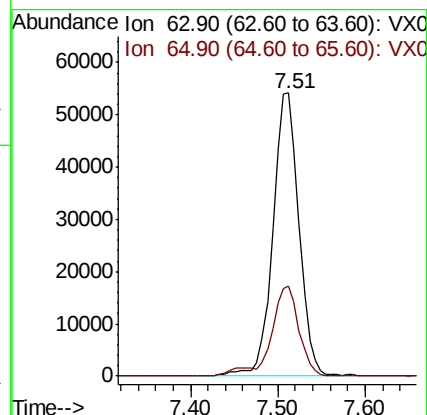
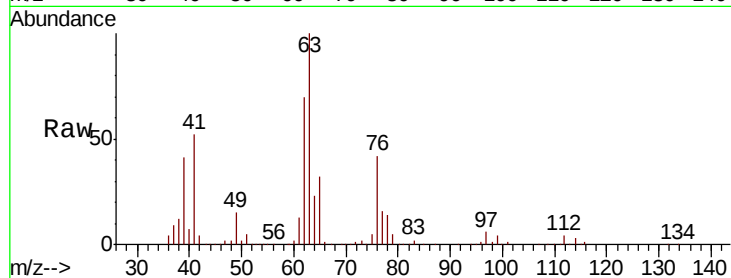
VSTDCCC050

Tot Ion: 63 Resp: 113317

Ion Ratio Lower Upper

63 100

65 31.9 24.4 36.6



#46

Dibromomethane

Concen: 51.725 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

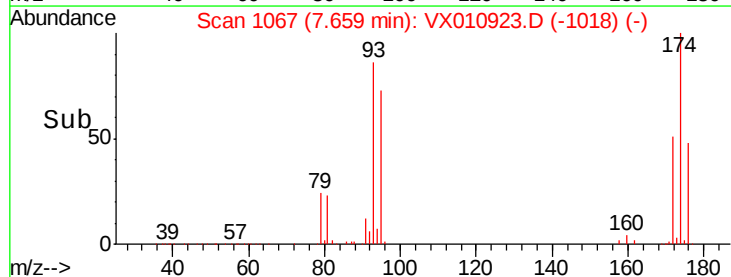
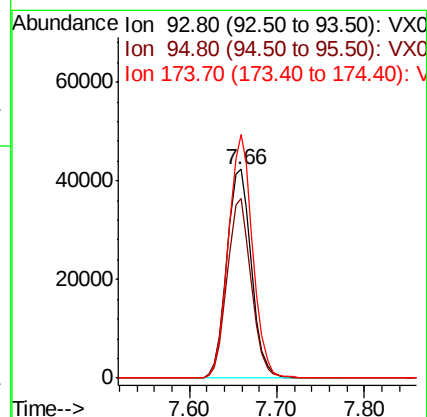
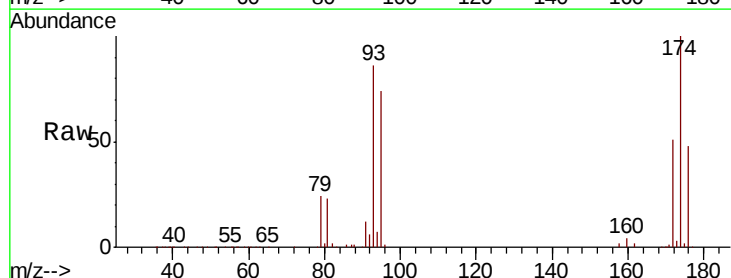
Tgt Ion: 93 Resp: 83068

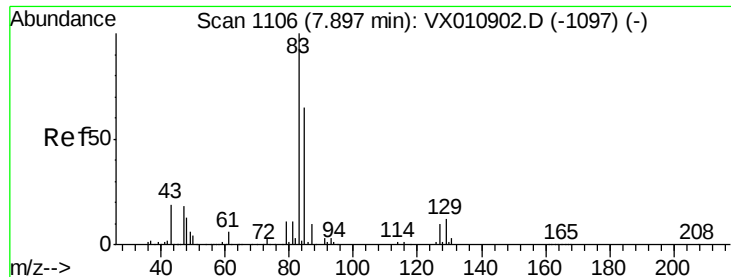
Ion Ratio Lower Upper

93 100

95 83.8 67.2 100.8

174 114.3 90.6 135.8





#47

Bromodichloromethane

Concen: 53.818 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

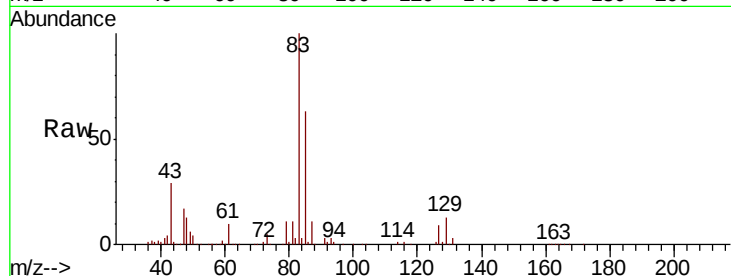
Tot Ion: 83 Resp: 153851

Ion Ratio Lower Upper

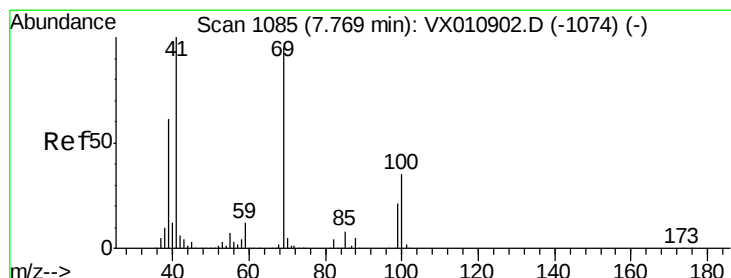
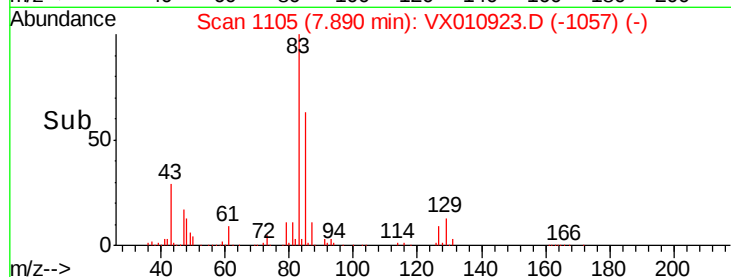
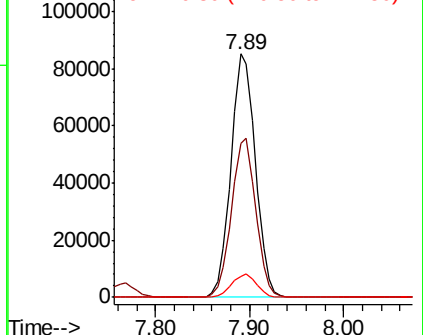
83 100

85 63.3 52.5 78.7

127 8.7 7.8 11.8



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: 50.302 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

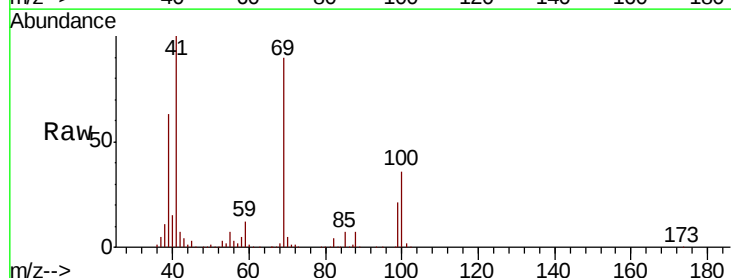
Tgt Ion: 41 Resp: 118936

Ion Ratio Lower Upper

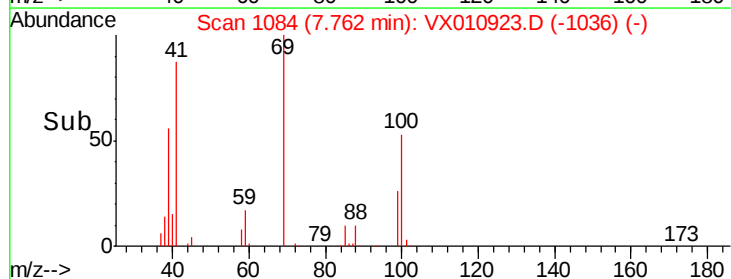
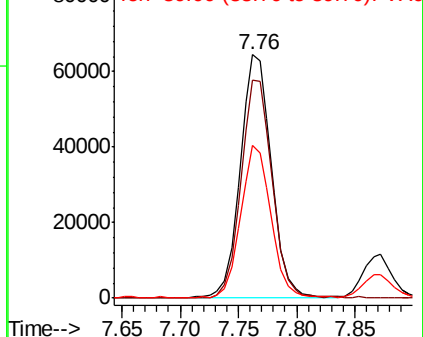
41 100

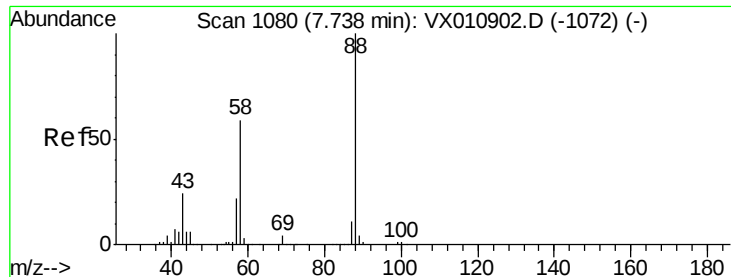
69 90.2 74.4 111.6

39 60.9 48.9 73.3



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

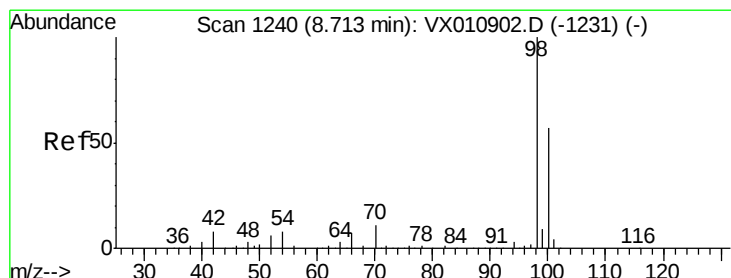
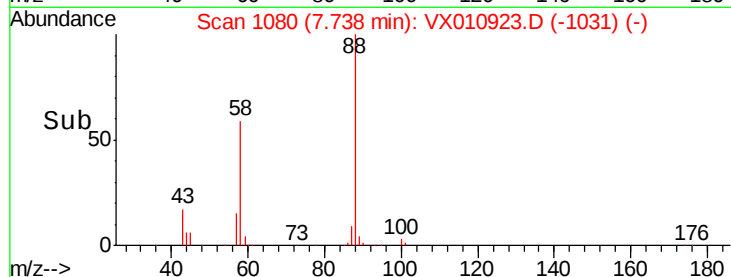
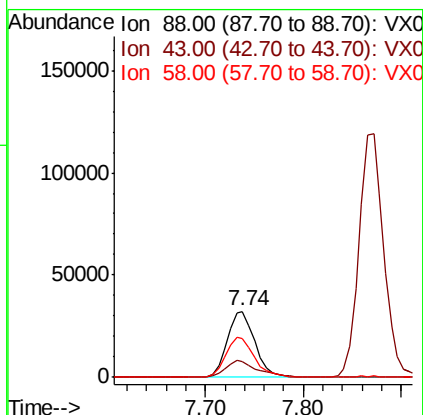
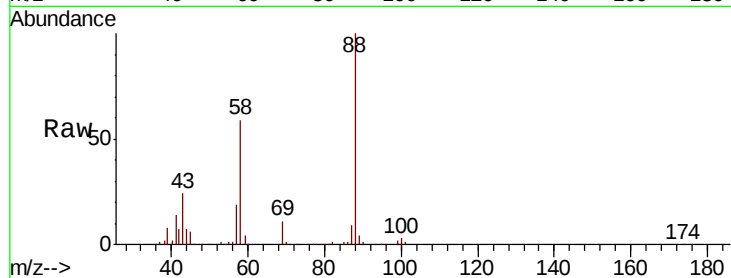




#49
 1,4-Dioxane
 Concen: 952.806 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VX010923.D
 Acq: 17 Jul 2019 09:47

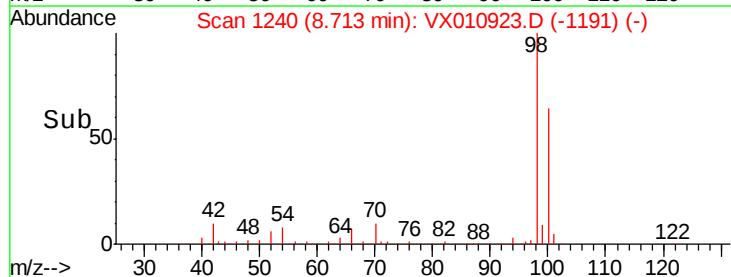
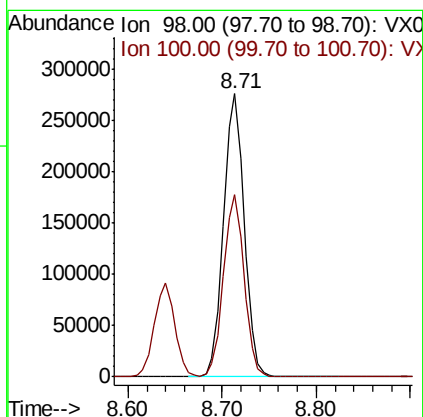
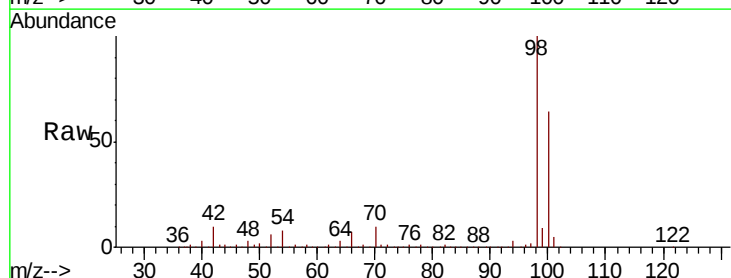
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 88 Resp: 63017
 Ion Ratio Lower Upper
 88 100
 43 28.6 22.9 34.3
 58 63.4 49.8 74.8



#50
 Toluene-d8
 Concen: 50.278 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX010923.D
 Acq: 17 Jul 2019 09:47

Tgt Ion: 98 Resp: 420052
 Ion Ratio Lower Upper
 98 100
 100 64.5 50.6 75.8





#51

4-Methyl-2-Pentanone

Concen: 256.148 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

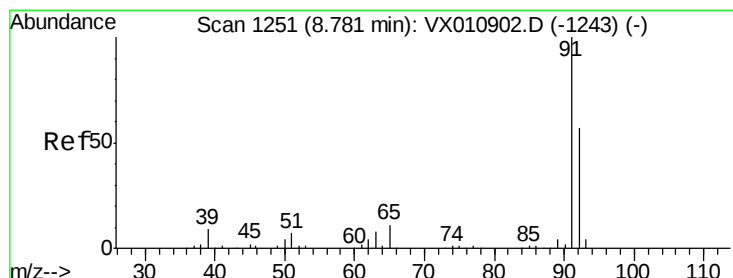
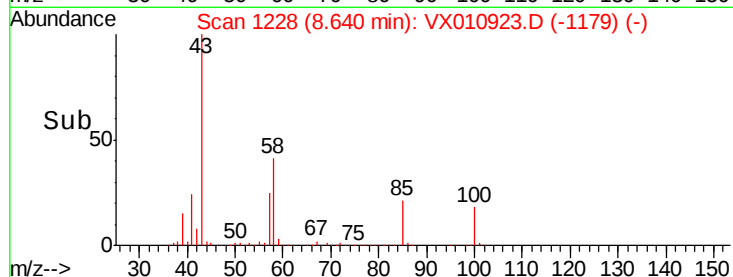
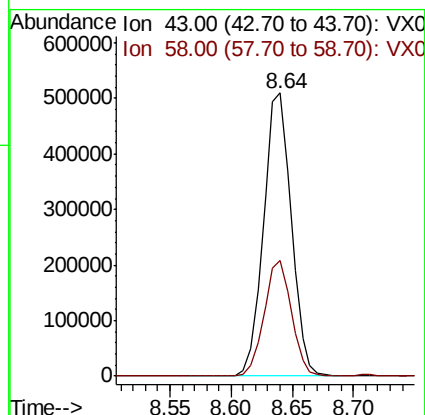
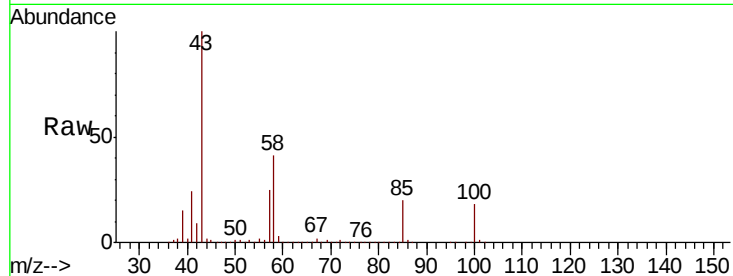
VSTDCCC050

Tot Ion: 43 Resp: 805910

Ion Ratio Lower Upper

43 100

58 40.1 32.2 48.4



#52

Toluene

Concen: 51.504 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX010923.D

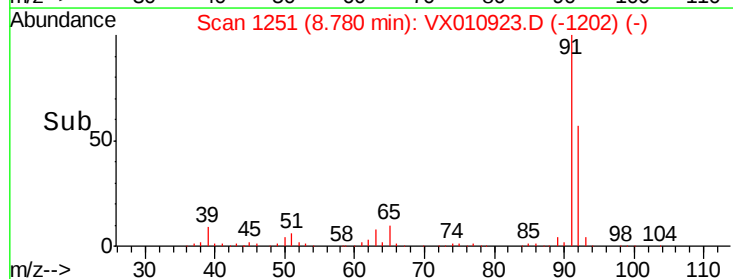
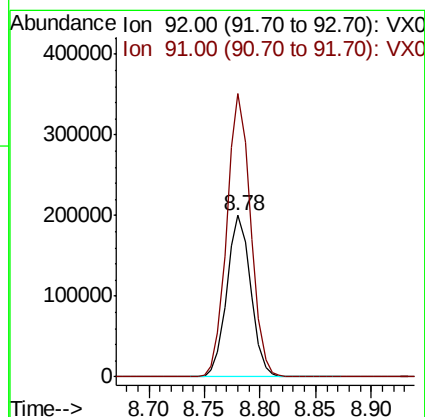
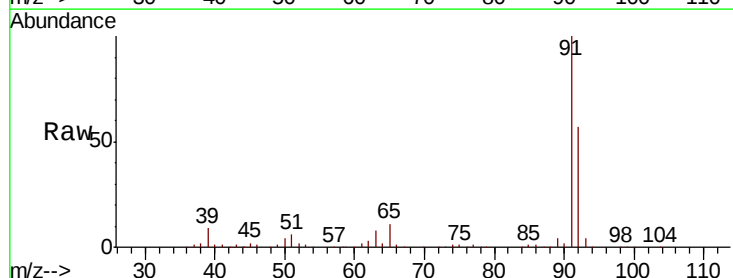
Acq: 17 Jul 2019 09:47

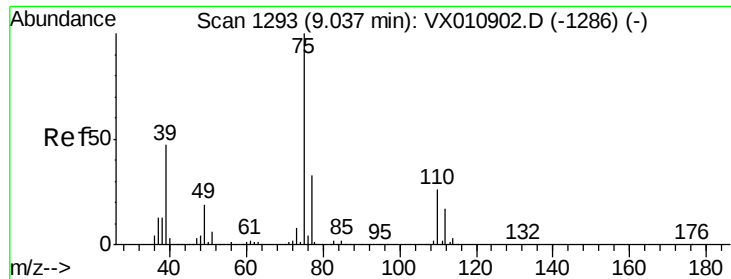
Tgt Ion: 92 Resp: 298765

Ion Ratio Lower Upper

92 100

91 174.5 139.4 209.0





#53

t-1,3-Dichloropropene

Concen: 55.166 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

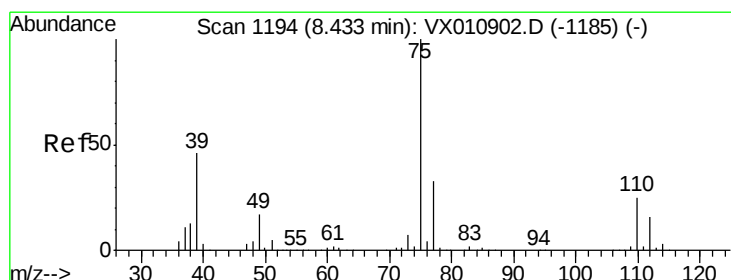
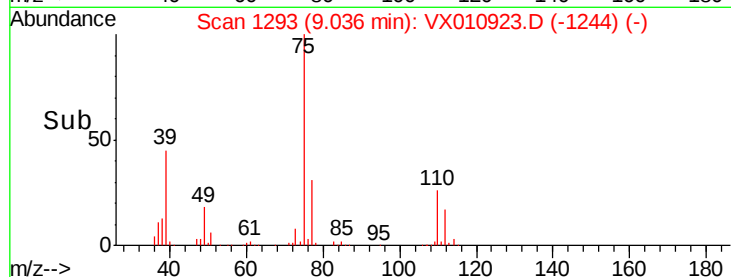
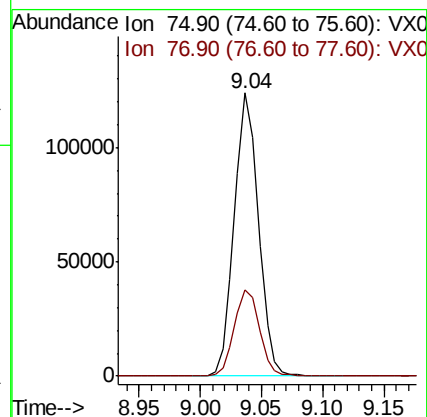
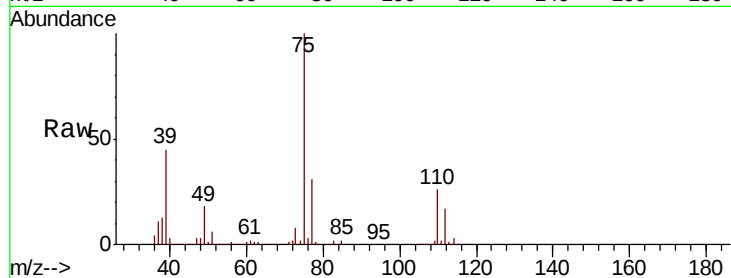
VSTDCCC050

Tot Ion: 75 Resp: 169571

Ion Ratio Lower Upper

75 100

77 30.6 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 54.863 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

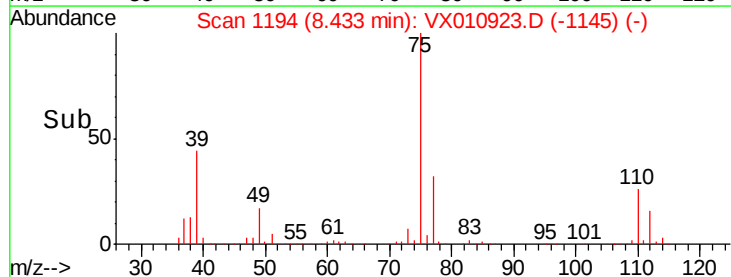
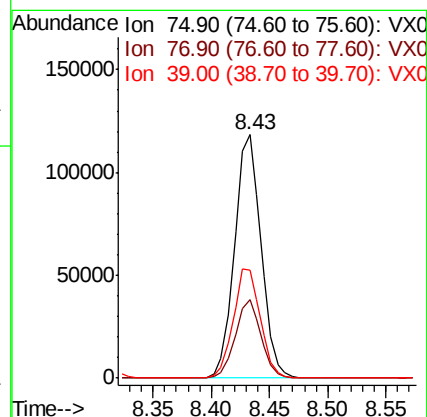
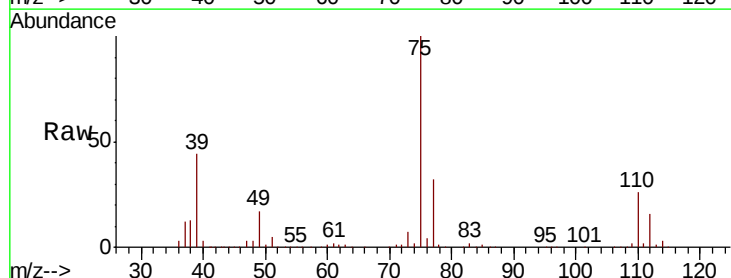
Tgt Ion: 75 Resp: 187654

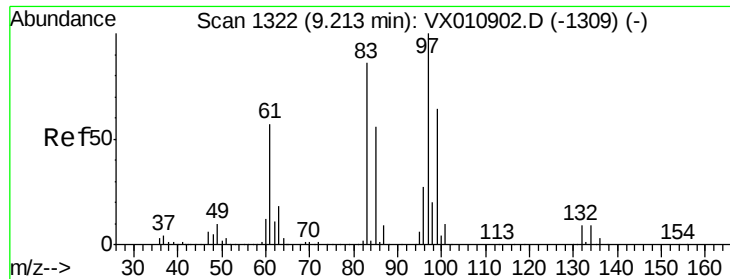
Ion Ratio Lower Upper

75 100

77 32.1 26.1 39.1

39 43.9 36.6 54.8





#55

1,1,2-Trichloroethane

Concen: 51.816 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 123761

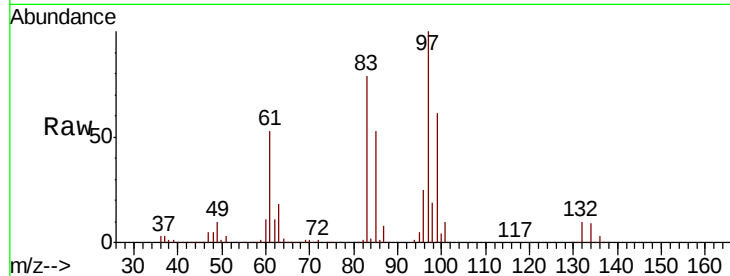
Ion Ratio Lower Upper

97 100

83 79.4 69.2 103.8

85 53.4 44.6 66.8

99 61.1 51.2 76.8

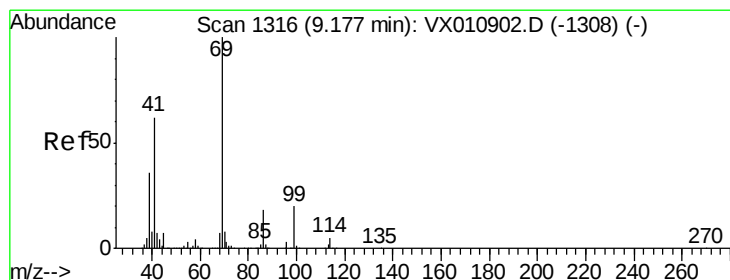
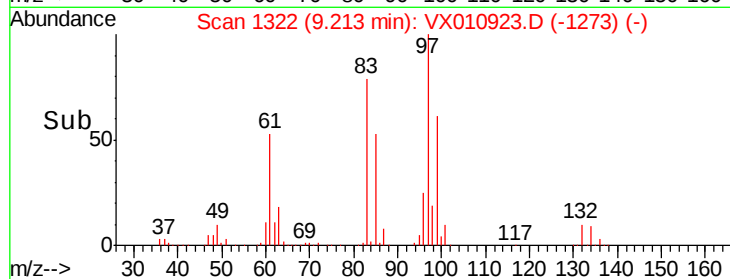
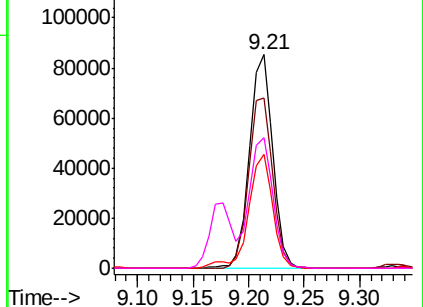


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 53.931 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

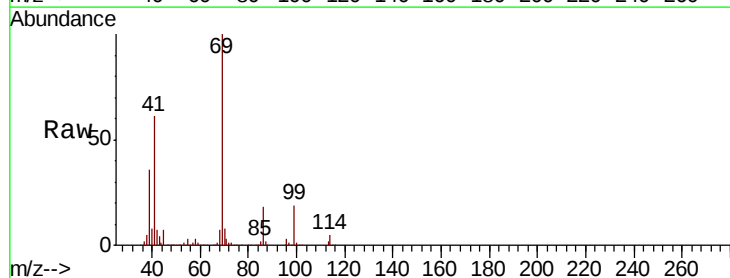
Tgt Ion: 69 Resp: 188421

Ion Ratio Lower Upper

69 100

41 62.0 49.7 74.5

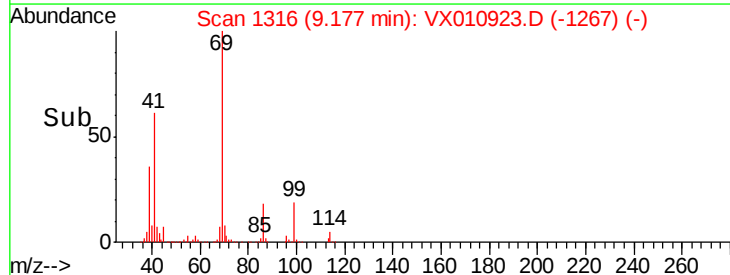
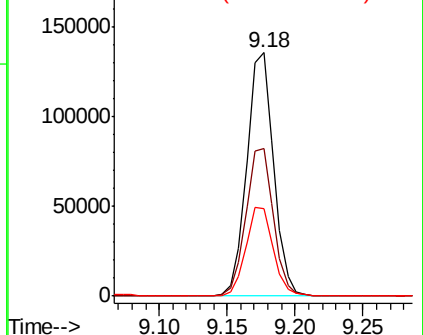
39 36.8 29.6 44.4

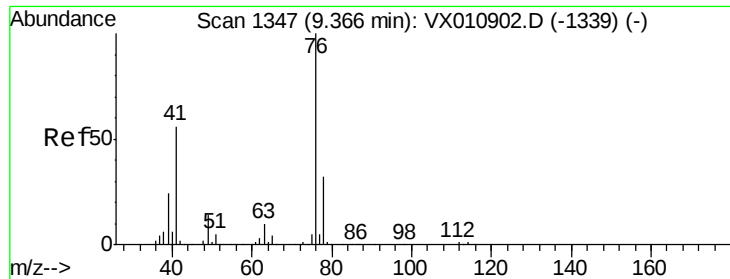


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 50.796 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

Instrument :

MSVOA_X

ClientSampled :

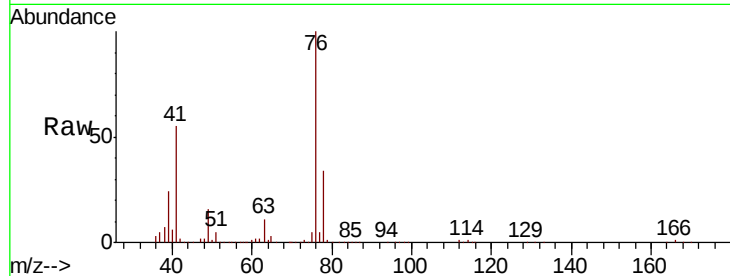
VSTDCCC050

Tot Ion: 76 Resp: 192466

Ion Ratio Lower Upper

76 100

78 33.2 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

150000

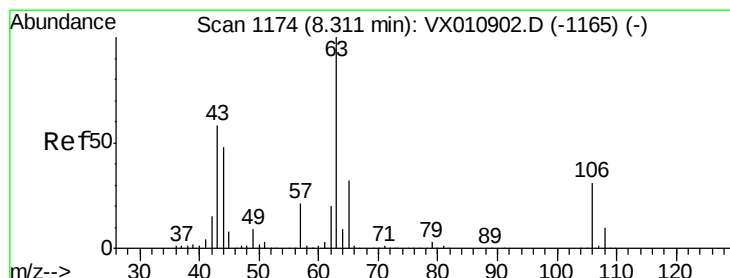
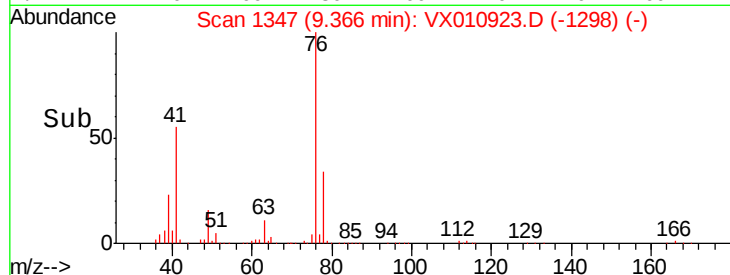
100000

50000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 279.514 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX010923.D

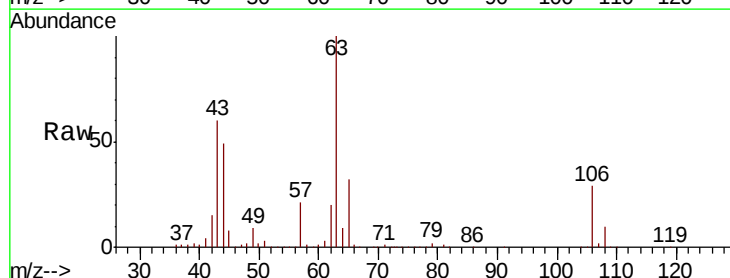
Acq: 17 Jul 2019 09:47

Tgt Ion: 63 Resp: 466166

Ion Ratio Lower Upper

63 100

106 30.2 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.30

300000

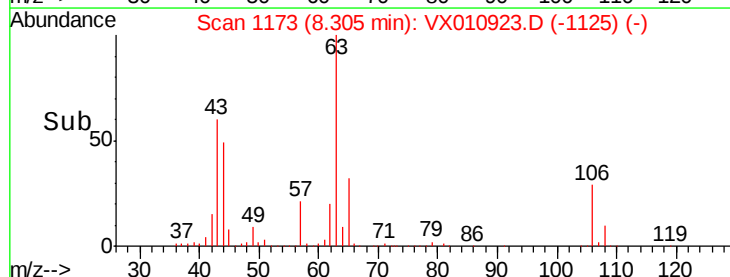
200000

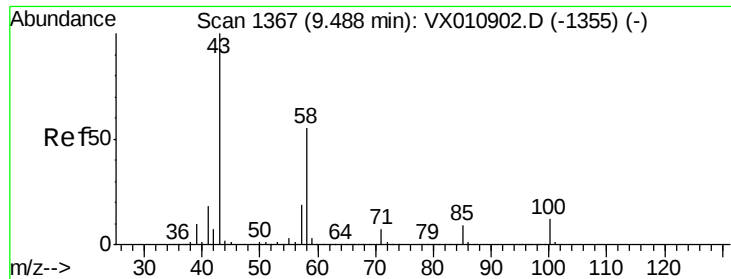
100000

0

8.20 8.25 8.30 8.35 8.40

Time-->

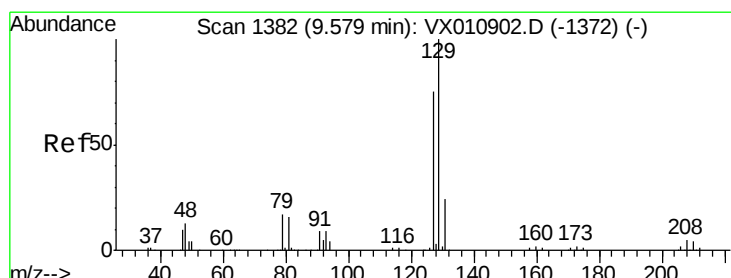
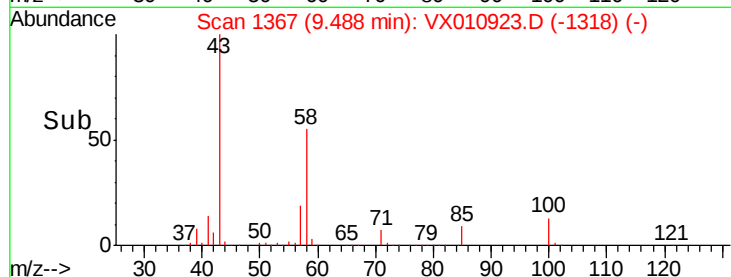
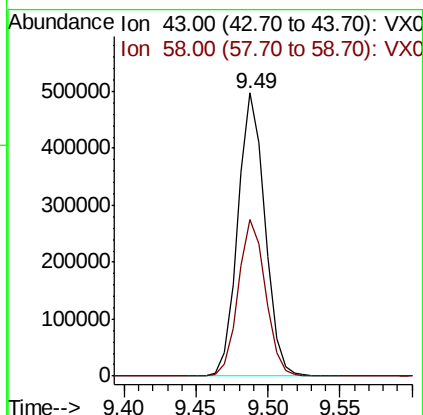
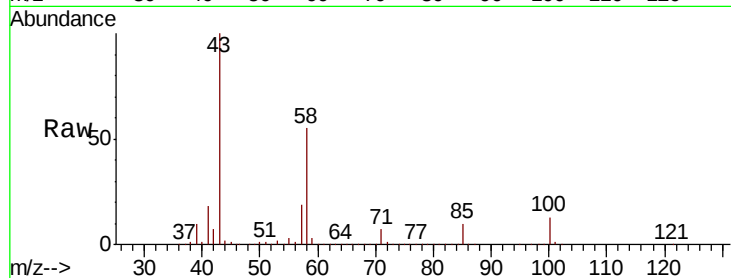




#59
2-Hexanone
Concen: 266.413 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010923.D
Acq: 17 Jul 2019 09:47

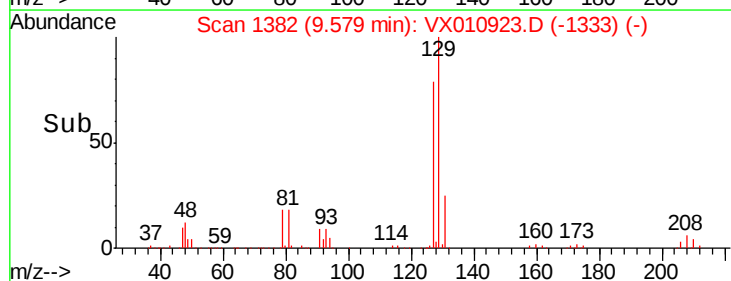
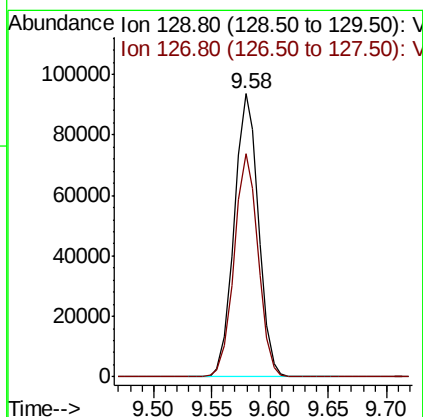
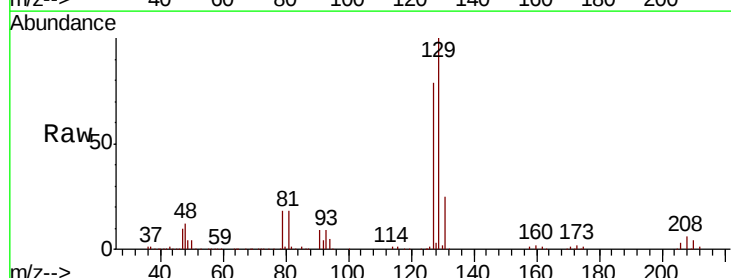
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 650127
Ion Ratio Lower Upper
43 100
58 55.9 28.0 83.9



#60
Dibromochloromethane
Concen: 49.513 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010923.D
Acq: 17 Jul 2019 09:47

Tgt Ion:129 Resp: 136032
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8

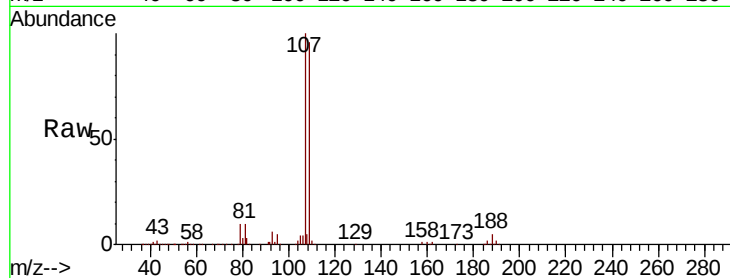




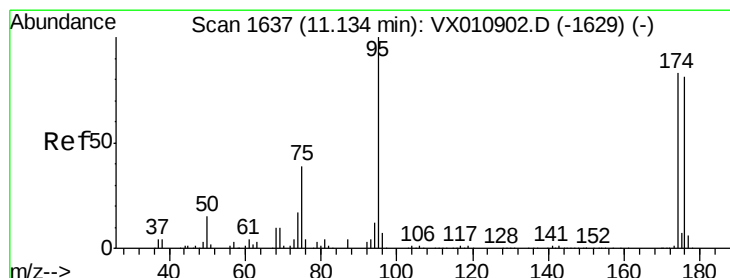
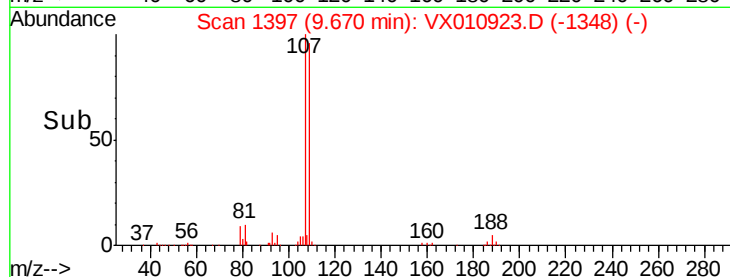
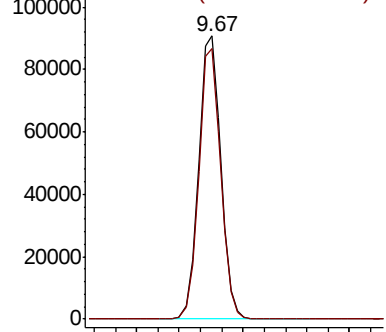
#61
 1,2-Dibromoethane
 Concen: 52.030 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX010923.D
 Acq: 17 Jul 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:107 Resp: 131883
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.4 113.0

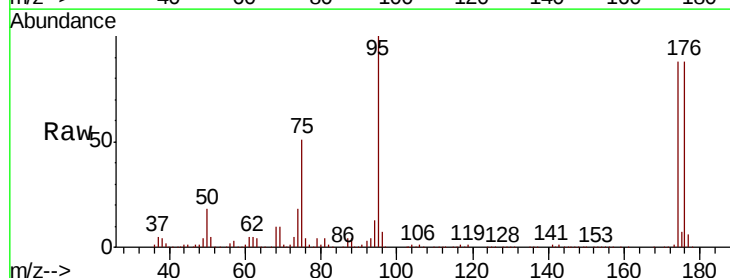


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.80 (108.50 to 109.50): V

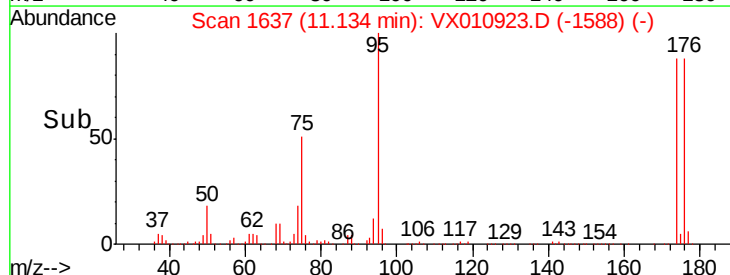
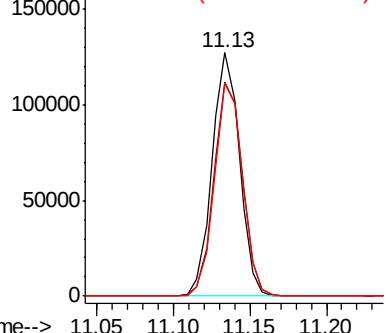


#62
 4-Bromofluorobenzene
 Concen: 51.553 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX010923.D
 Acq: 17 Jul 2019 09:47

Tgt Ion: 95 Resp: 158313
 Ion Ratio Lower Upper
 95 100
 174 90.8 0.0 180.6
 176 89.2 0.0 173.8



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

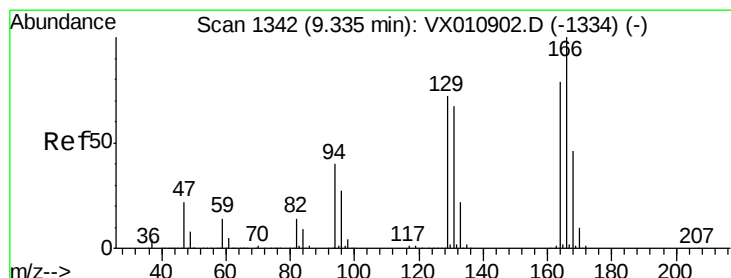
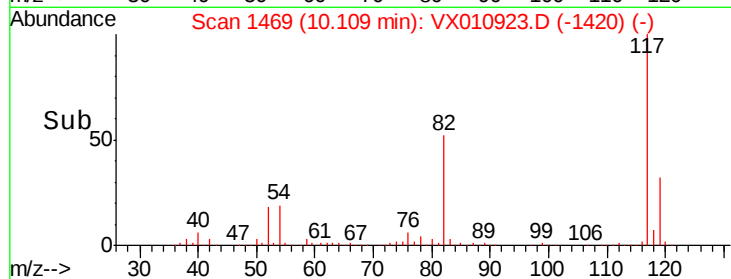
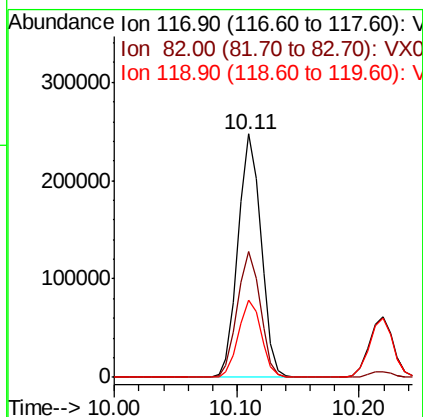
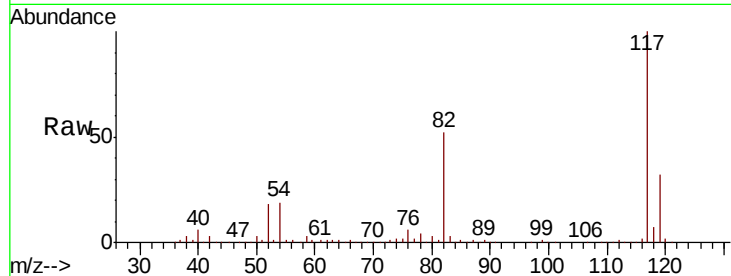




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010923.D
Acq: 17 Jul 2019 09:47

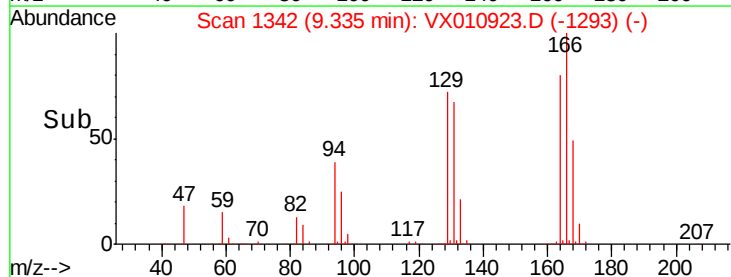
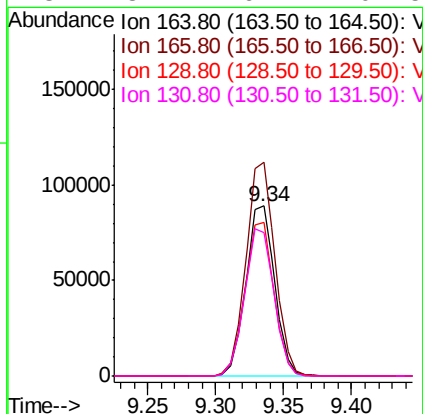
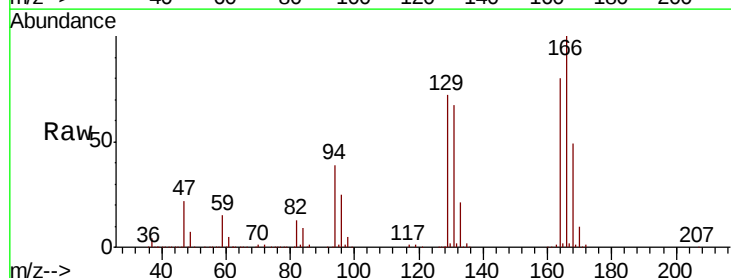
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

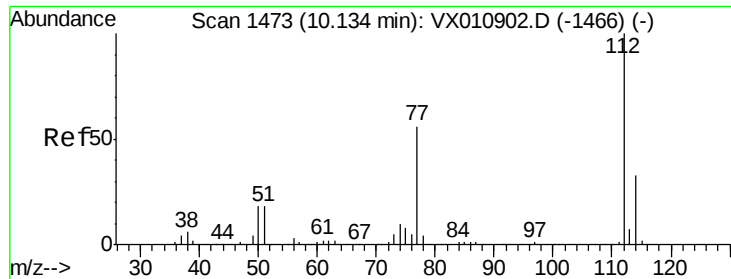
Tot Ion:117 Resp: 321119
Ion Ratio Lower Upper
117 100
82 51.6 42.6 63.8
119 31.7 25.9 38.9



#64
Tetrachloroethene
Concen: 52.418 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010923.D
Acq: 17 Jul 2019 09:47

Tgt Ion:164 Resp: 132418
Ion Ratio Lower Upper
164 100
166 125.7 100.8 151.2
129 90.2 72.6 109.0
131 84.7 67.7 101.5

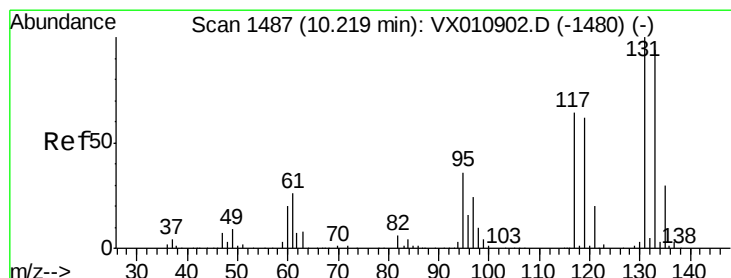
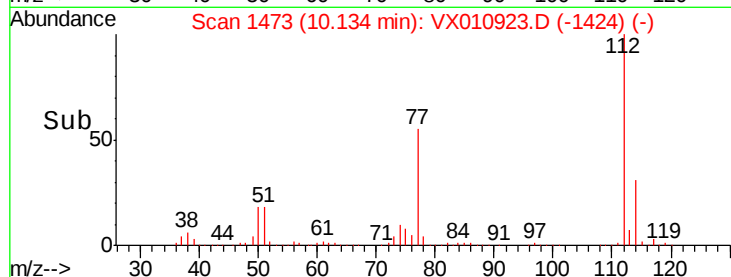
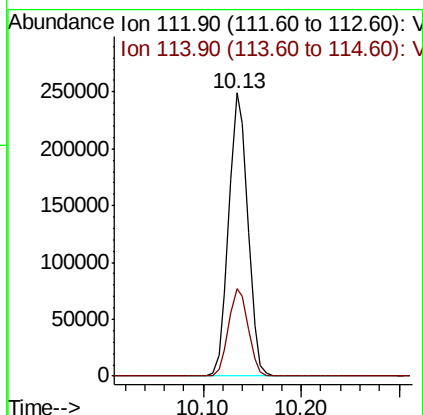
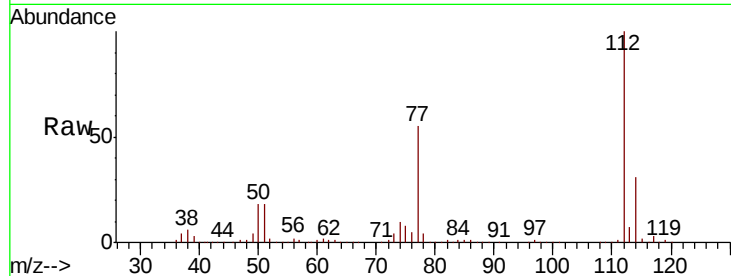




#65
Chlorobenzene
Concen: 51.273 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX010923.D
Acq: 17 Jul 2019 09:47

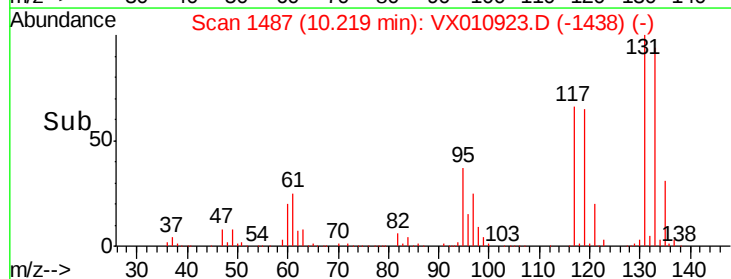
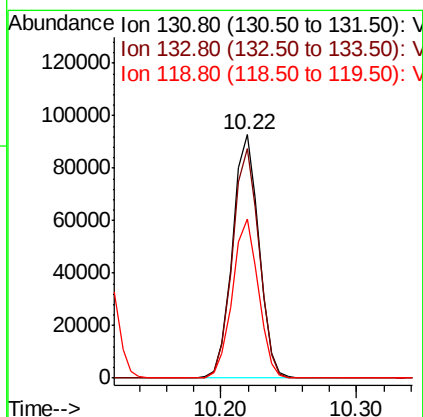
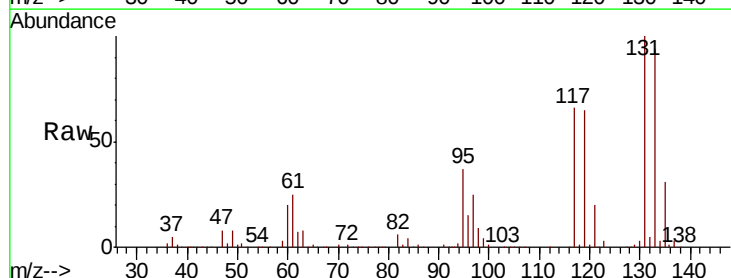
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

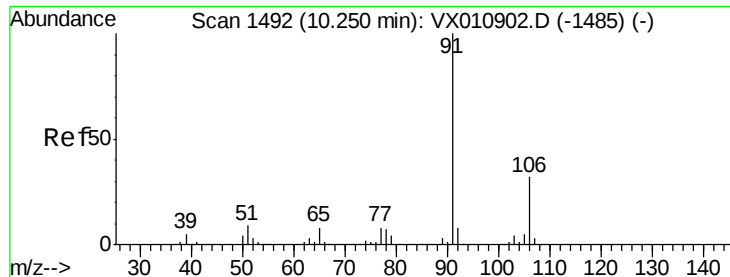
Tot Ion:112 Resp: 338173
Ion Ratio Lower Upper
112 100
114 31.1 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 53.986 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX010923.D
Acq: 17 Jul 2019 09:47

Tgt Ion:131 Resp: 125141
Ion Ratio Lower Upper
131 100
133 95.2 47.1 141.4
119 64.6 31.9 95.7

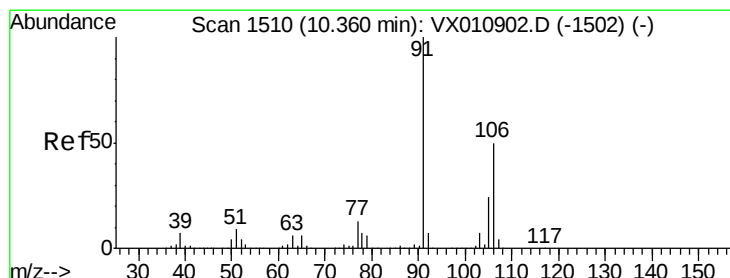
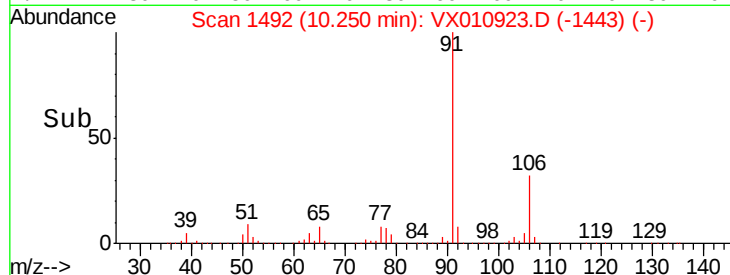
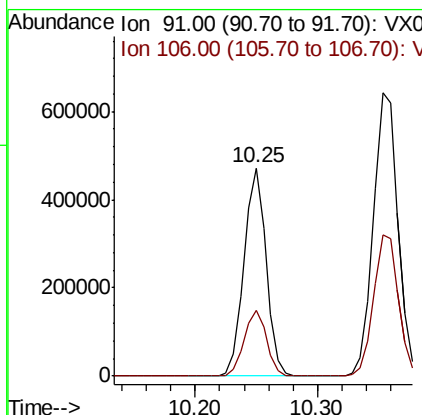
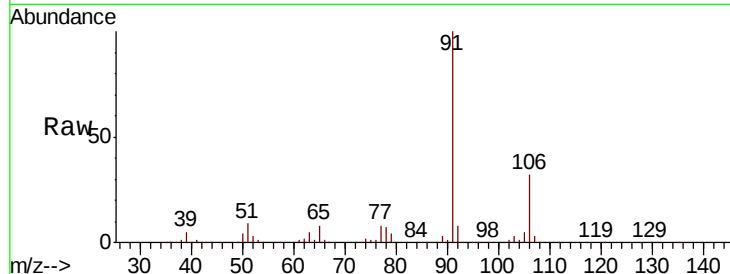




#67
Ethyl Benzene
Concen: 52.819 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010923.D
Acq: 17 Jul 2019 09:47

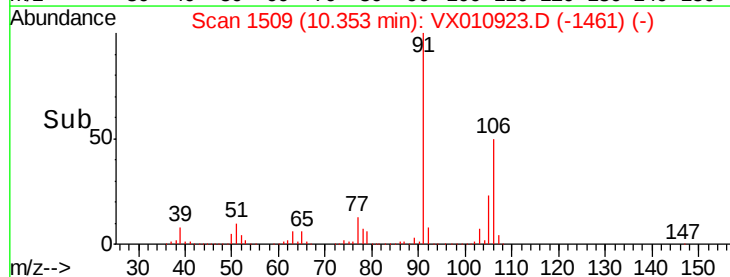
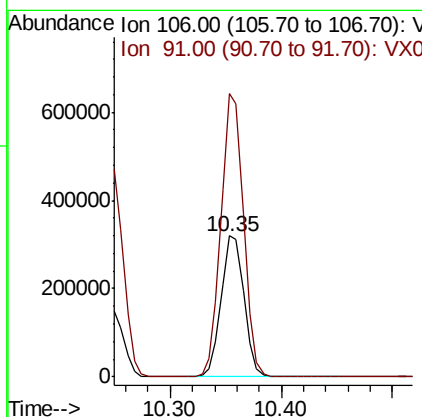
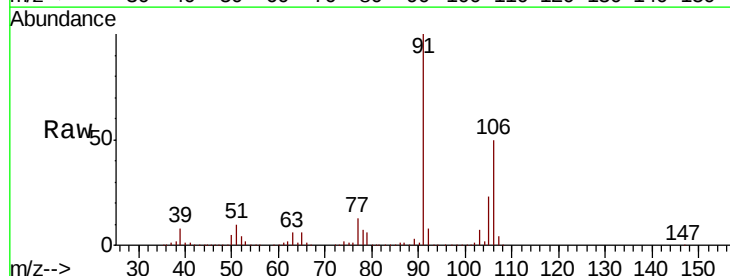
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

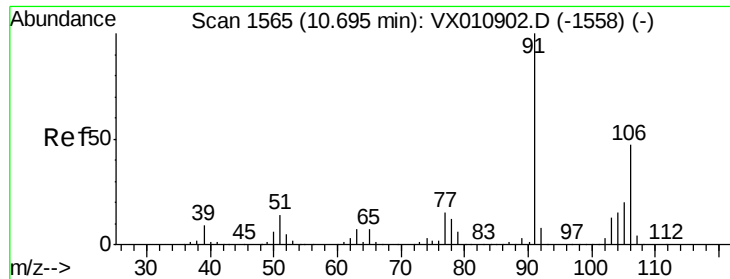
Tot Ion: 91 Resp: 592962
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.2



#68
m/p-Xylenes
Concen: 105.396 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010923.D
Acq: 17 Jul 2019 09:47

Tgt Ion: 106 Resp: 453870
Ion Ratio Lower Upper
106 100
91 198.3 160.1 240.1

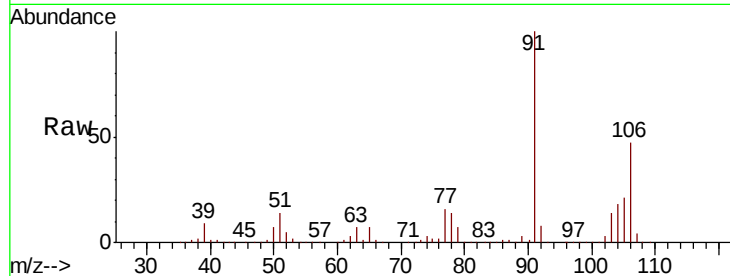




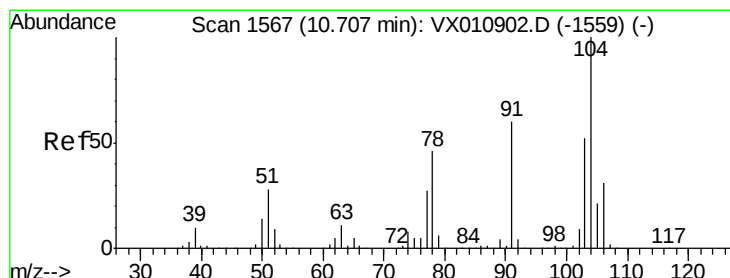
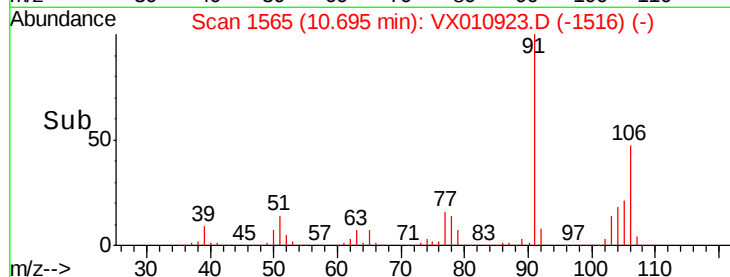
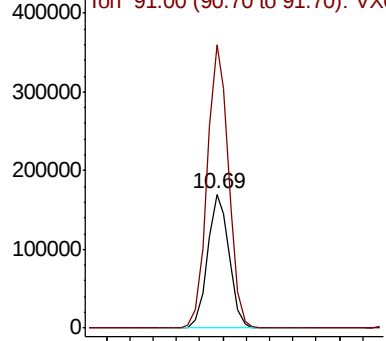
#69
o-Xylene
Concen: 51.839 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010923.D
Acq: 17 Jul 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 217869
Ion Ratio Lower Upper
106 100
91 211.0 105.1 315.3

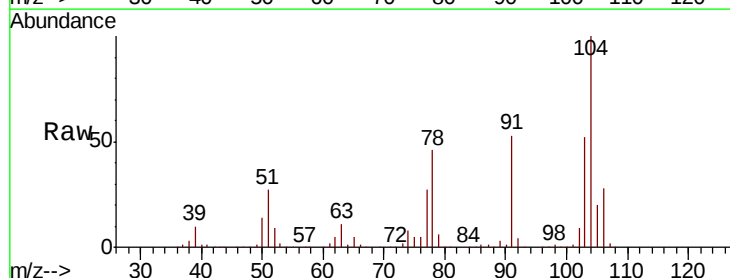


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

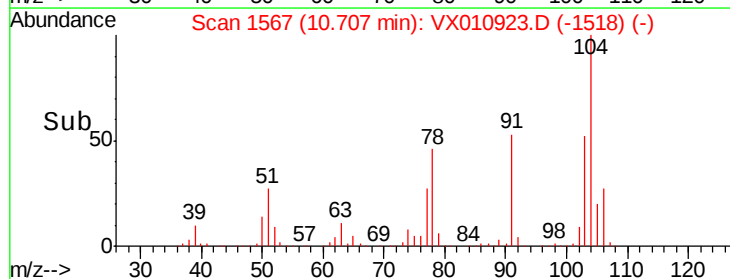
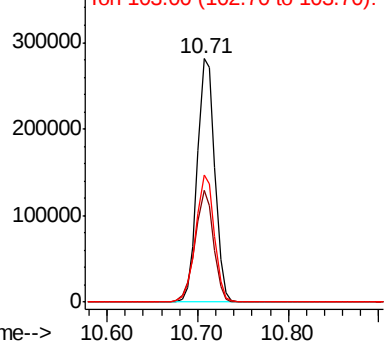


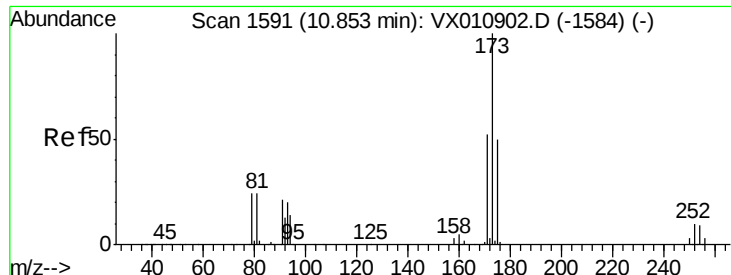
#70
Styrene
Concen: 54.003 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX010923.D
Acq: 17 Jul 2019 09:47

Tgt Ion:104 Resp: 378347
Ion Ratio Lower Upper
104 100
78 48.6 38.8 58.2
103 55.4 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 49.513 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

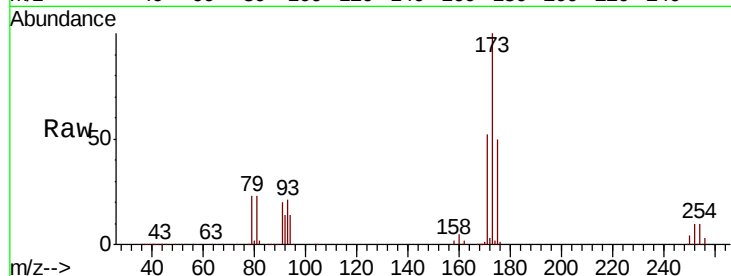
Tot Ion:173 Resp: 104447

Ion Ratio Lower Upper

173 100

175 49.2 24.6 73.6

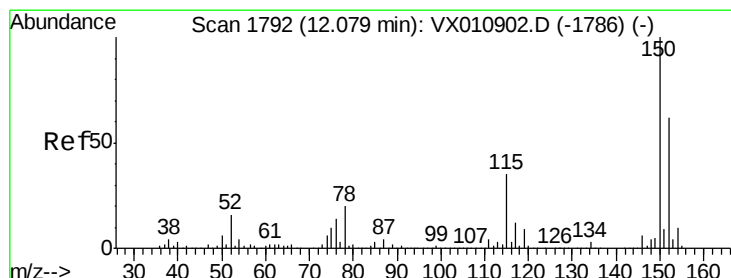
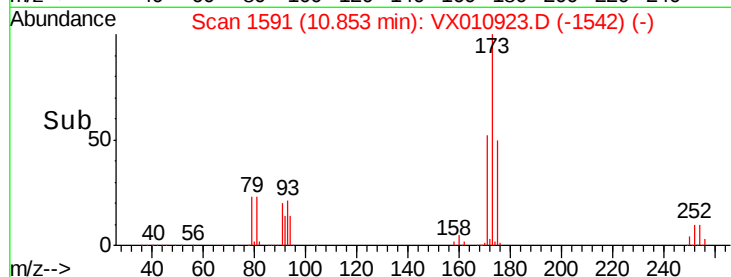
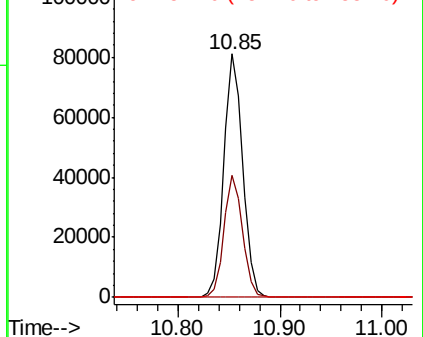
254 0.2 0.1 0.1#



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: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

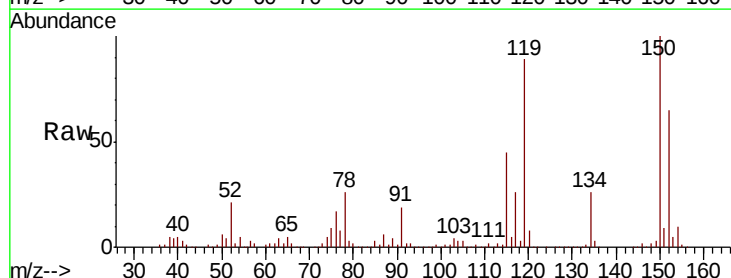
Tgt Ion:152 Resp: 172997

Ion Ratio Lower Upper

152 100

115 80.5 39.7 119.1

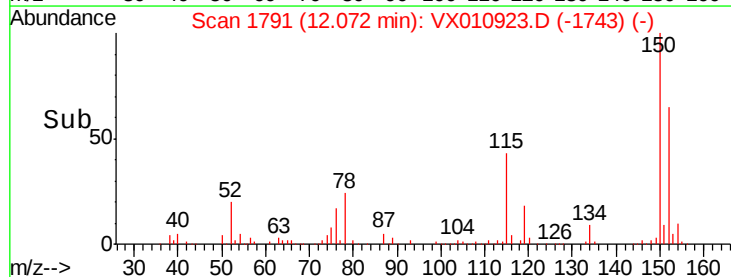
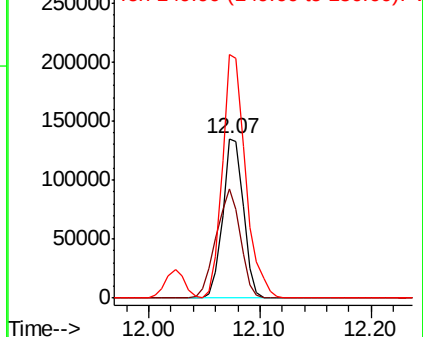
150 171.2 0.0 345.6

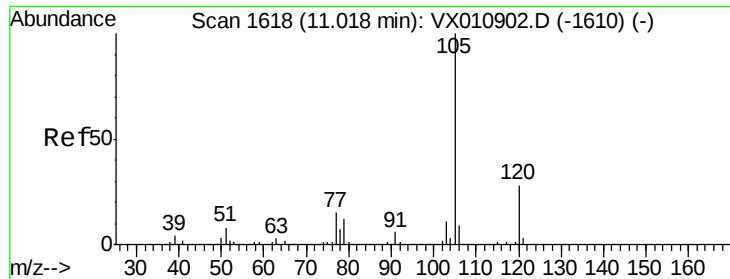


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.952 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

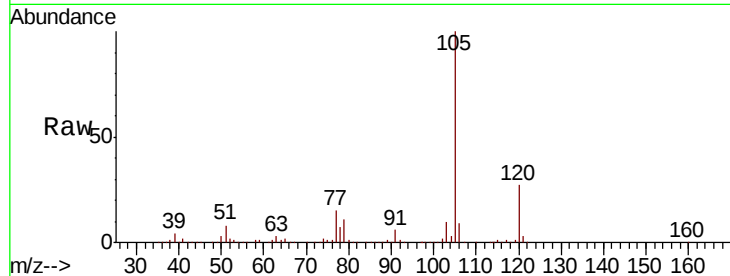
VSTDCCC050

Tot Ion: 105 Resp: 595596

Ion Ratio Lower Upper

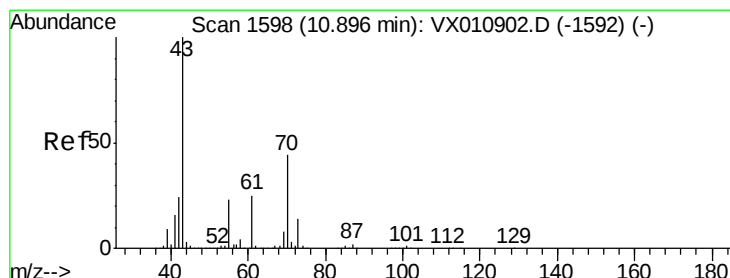
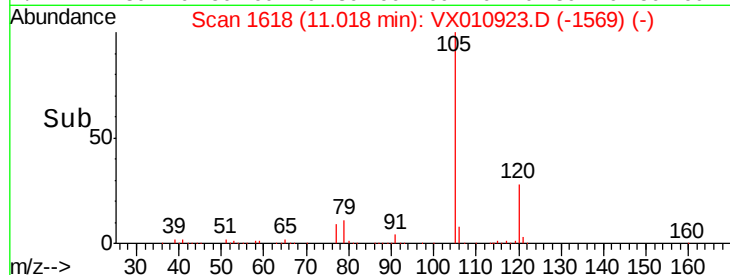
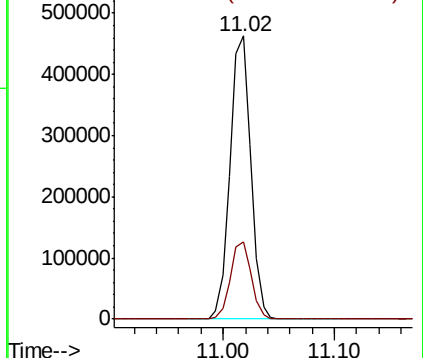
105 100

120 27.3 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.848 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

Tgt Ion: 43 Resp: 231577

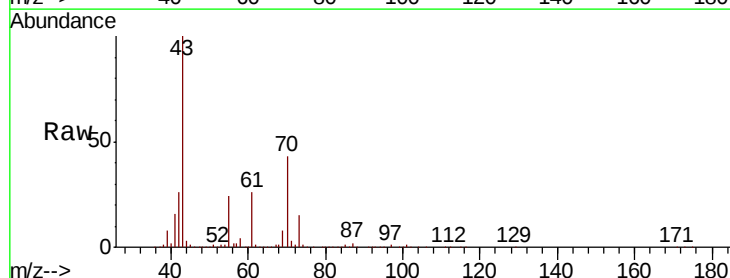
Ion Ratio Lower Upper

43 100

70 43.4 34.7 52.1

55 23.3 19.1 28.7

61 25.0 19.9 29.9

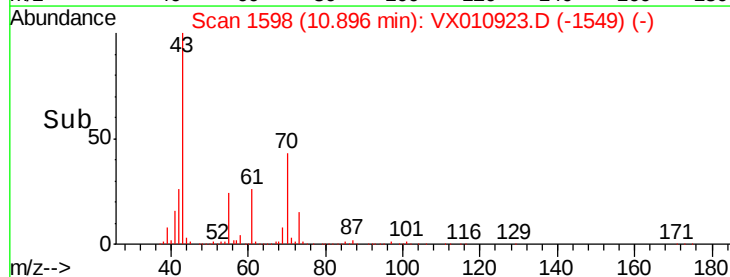
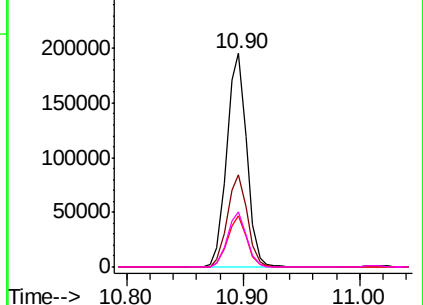


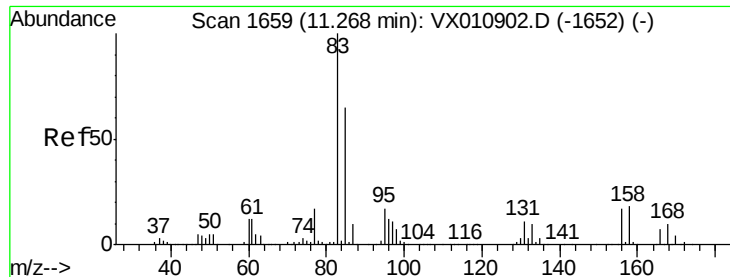
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 49.432 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

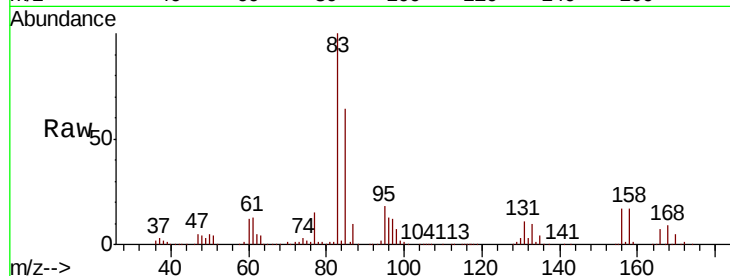
Tot Ion: 83 Resp: 189097

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.4

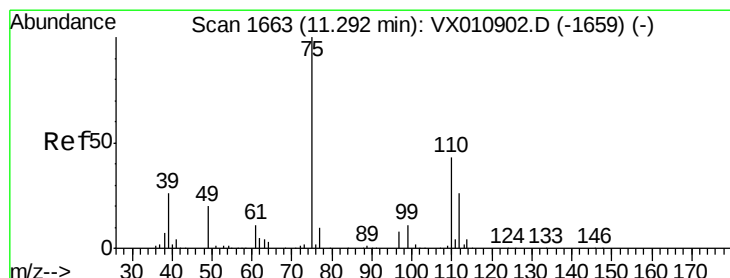
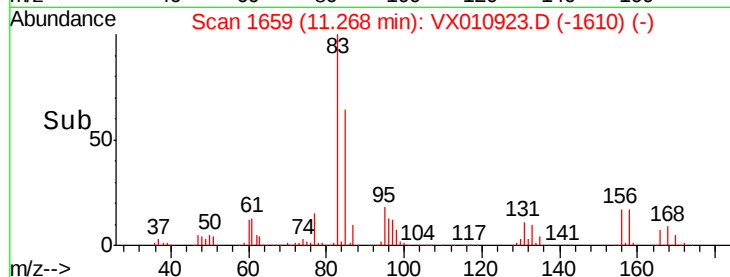
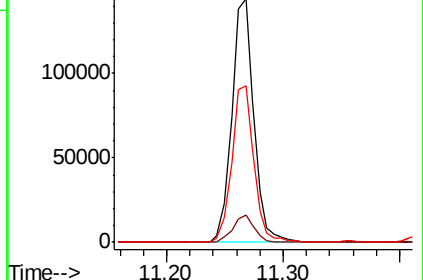
85 64.5 32.3 96.9



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: 67.812 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX010923.D

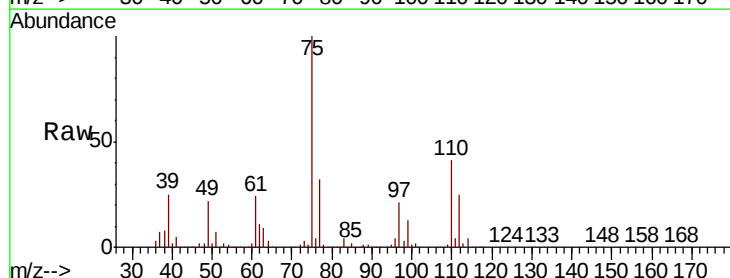
Acq: 17 Jul 2019 09:47

Tgt Ion: 75 Resp: 211698

Ion Ratio Lower Upper

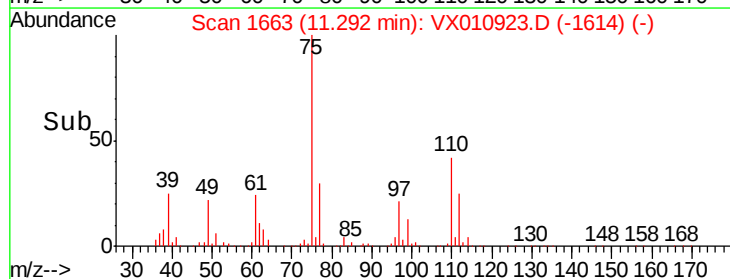
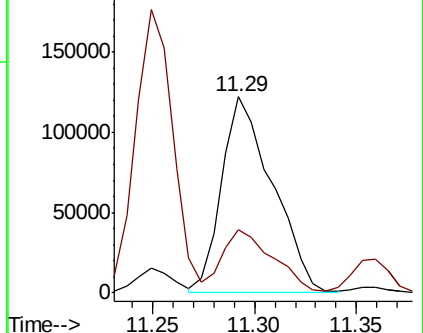
75 100

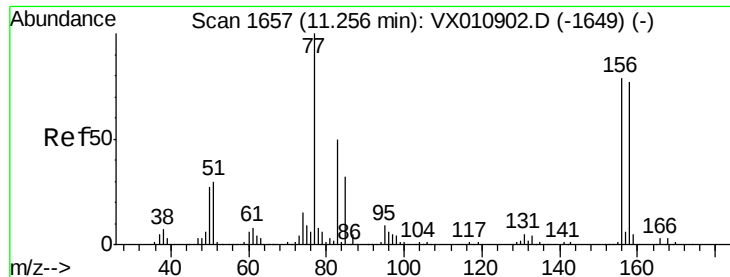
77 32.0 21.3 64.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.055 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

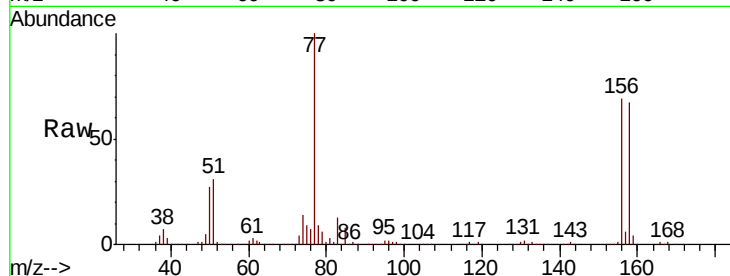
Tot Ion:156 Resp: 161394

Ion Ratio Lower Upper

156 100

77 139.4 68.7 206.1

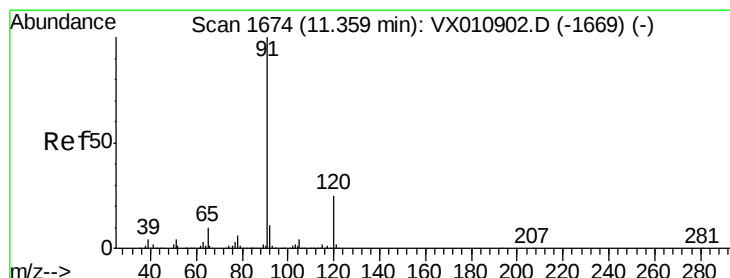
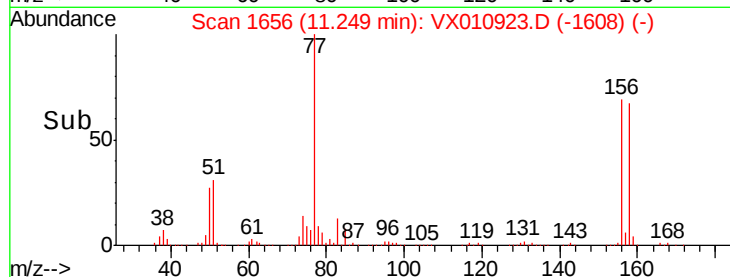
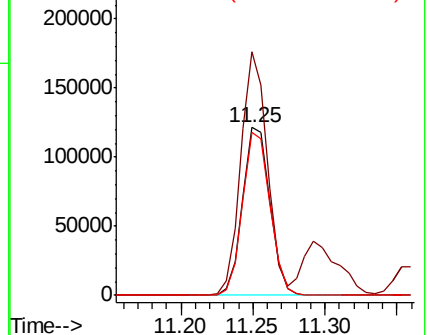
158 96.9 47.9 143.7



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: 52.954 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010923.D

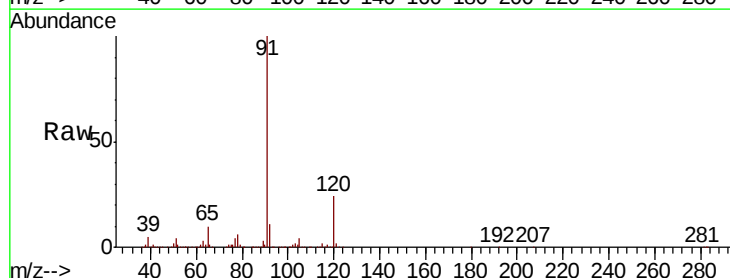
Acq: 17 Jul 2019 09:47

Tgt Ion: 91 Resp: 683942

Ion Ratio Lower Upper

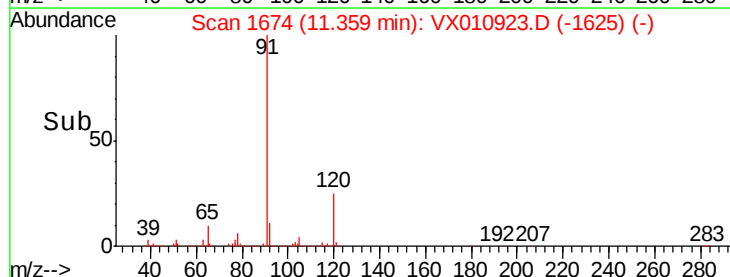
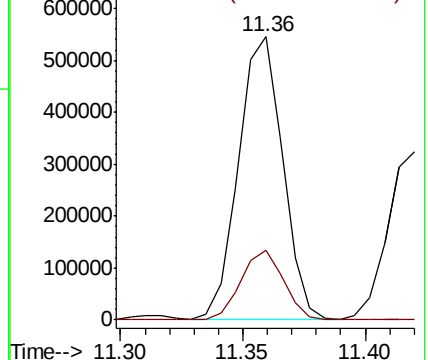
91 100

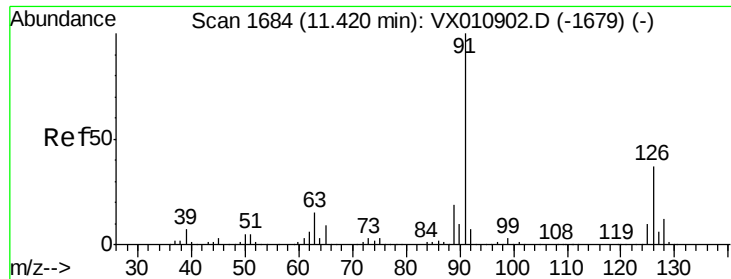
120 24.1 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

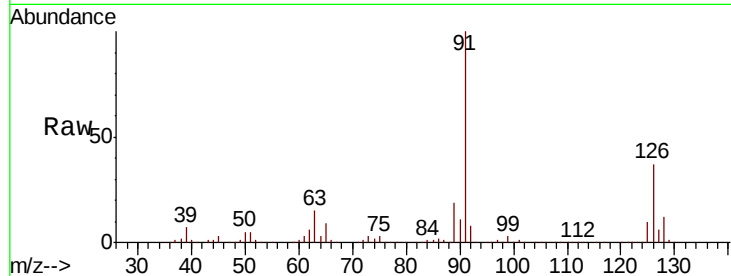




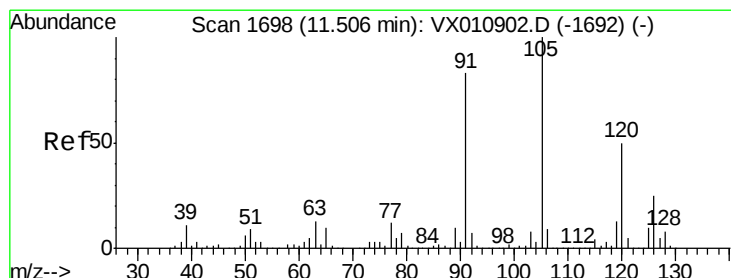
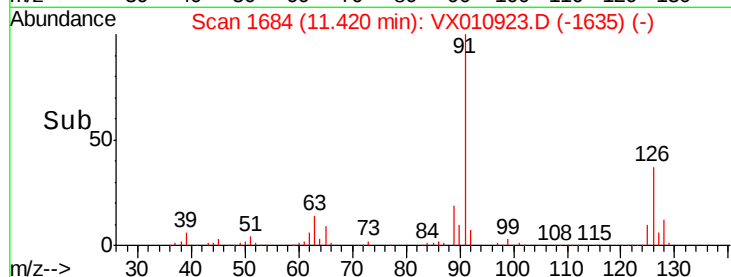
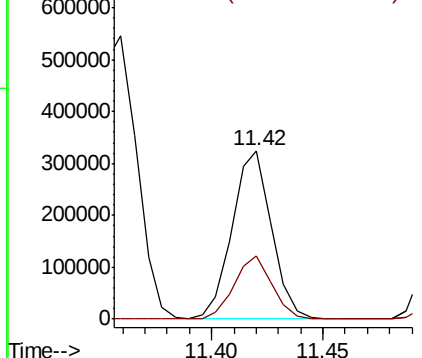
#79
 2-Chlorotoluene
 Concen: 51.147 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX010923.D
 Acq: 17 Jul 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 396838
 Ion Ratio Lower Upper
 91 100
 126 36.3 18.0 54.0

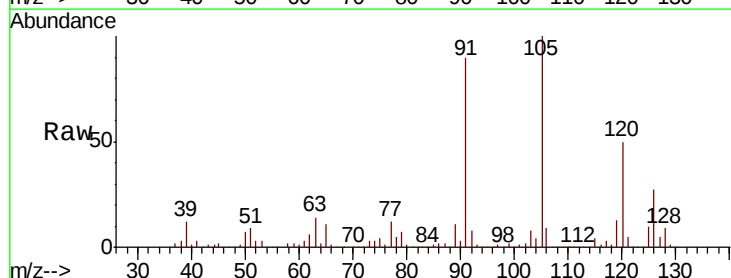


Abundance Ion 91.00 (90.70 to 91.70): VX010902.D (-1679) (-)
 Ion 125.90 (125.60 to 126.60): VX010902.D (-1679) (-)

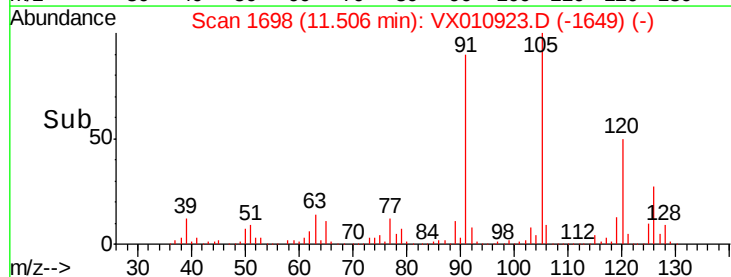
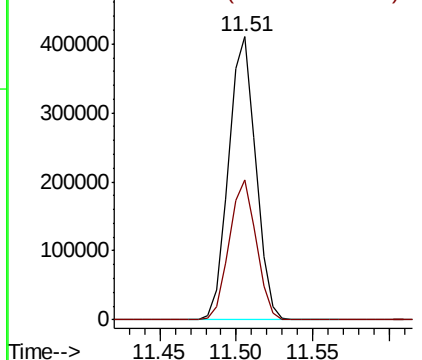


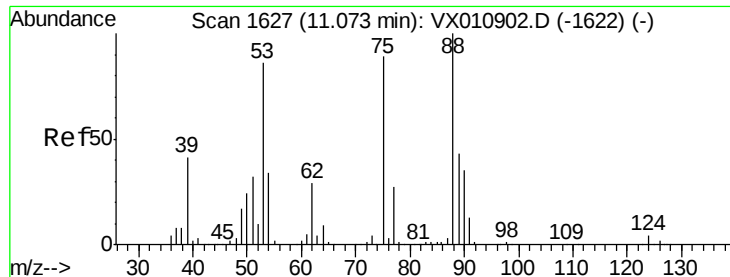
#80
 1,3,5-Trimethylbenzene
 Concen: 51.666 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX010923.D
 Acq: 17 Jul 2019 09:47

Tgt Ion: 105 Resp: 504656
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VX010902.D (-1692) (-)
 Ion 120.00 (119.70 to 120.70): VX010902.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.696 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

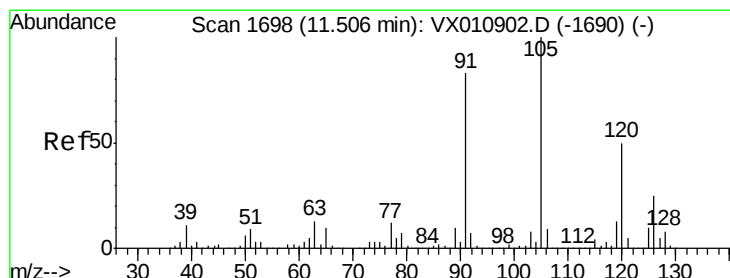
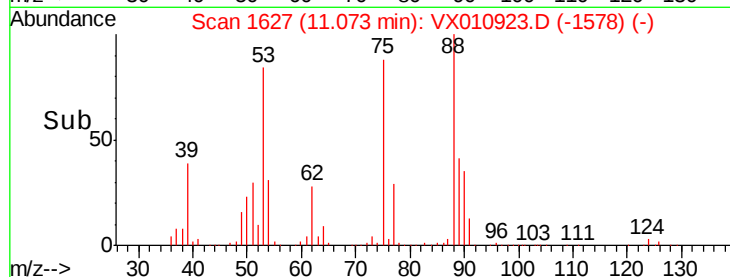
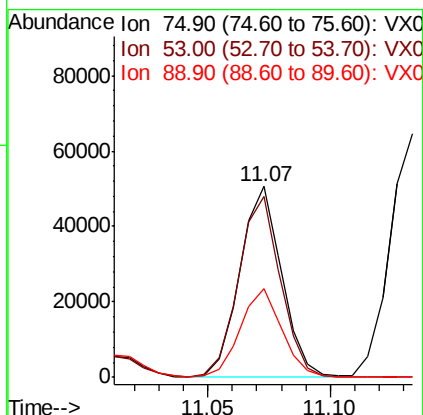
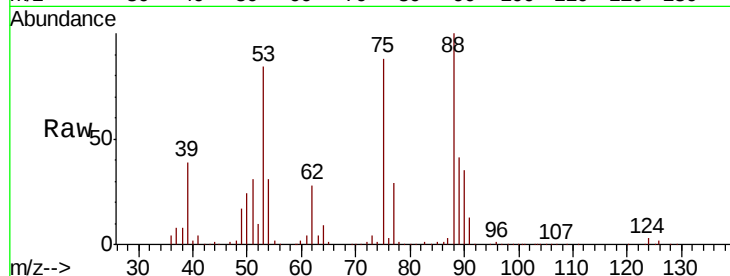
Tot Ion: 75 Resp: 59864

Ion Ratio Lower Upper

75 100

53 95.8 76.7 115.1

89 46.6 38.5 57.7



#82

4-Chlorotoluene

Concen: 52.000 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010923.D

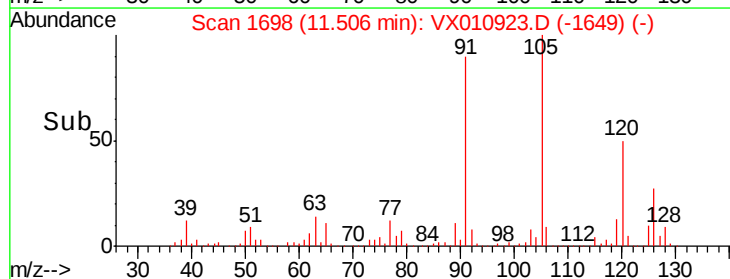
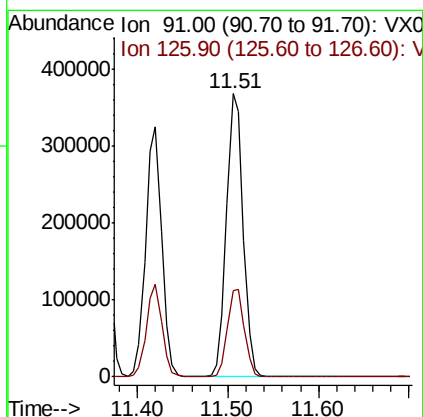
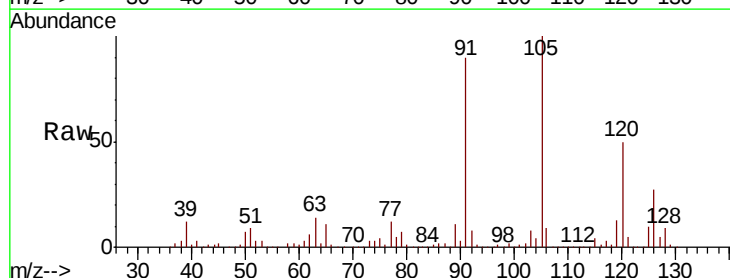
Acq: 17 Jul 2019 09:47

Tgt Ion: 91 Resp: 469579

Ion Ratio Lower Upper

91 100

126 31.7 15.9 47.7

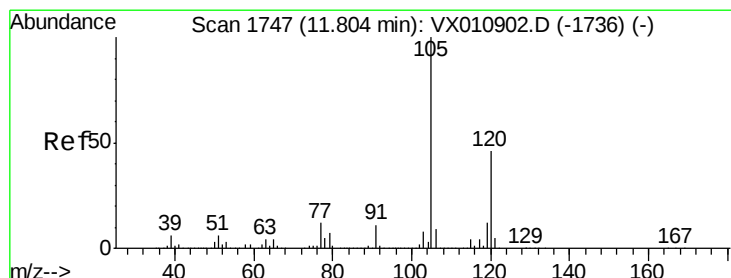
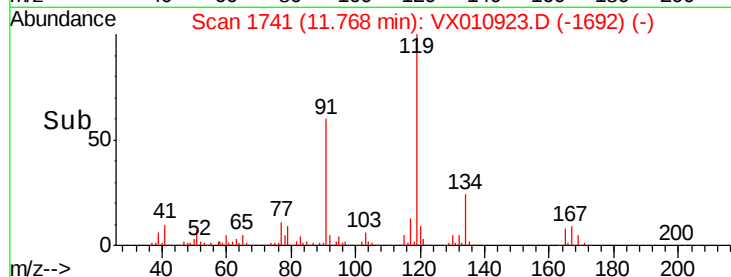
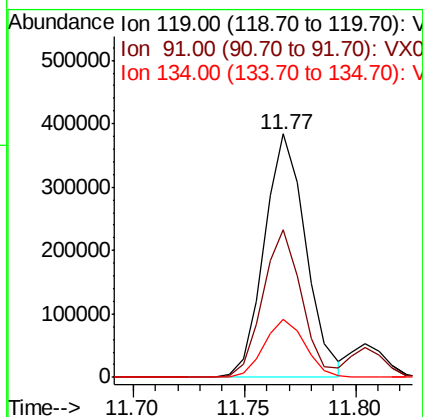
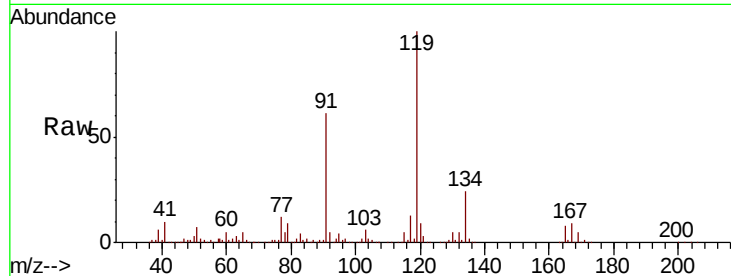




#83
tert-Butylbenzene
Concen: 51.743 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX010923.D
Acq: 17 Jul 2019 09:47

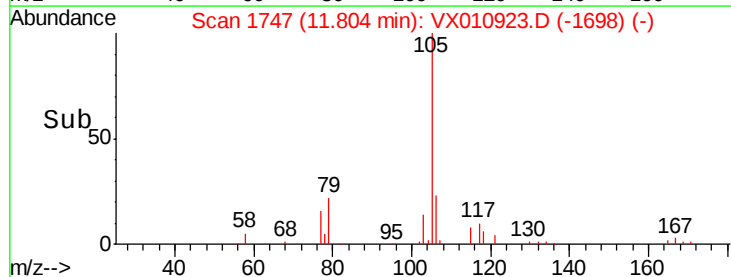
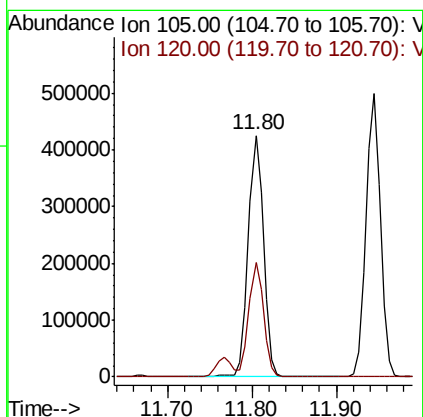
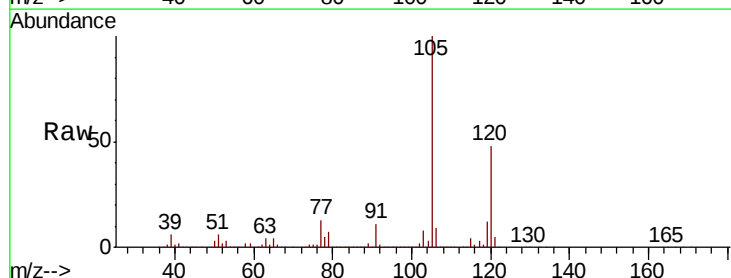
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

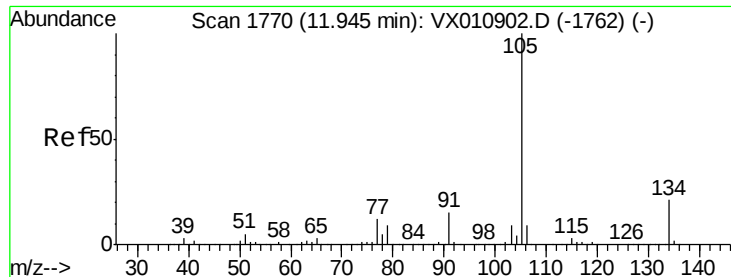
Tot Ion:119 Resp: 496432
Ion Ratio Lower Upper
119 100
91 57.4 28.6 85.8
134 23.4 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 51.877 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX010923.D
Acq: 17 Jul 2019 09:47

Tgt Ion:105 Resp: 510717
Ion Ratio Lower Upper
105 100
120 46.1 22.9 68.5





#85

sec-Butylbenzene

Concen: 53.073 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

Instrument :

MSVOA_X

ClientSampled :

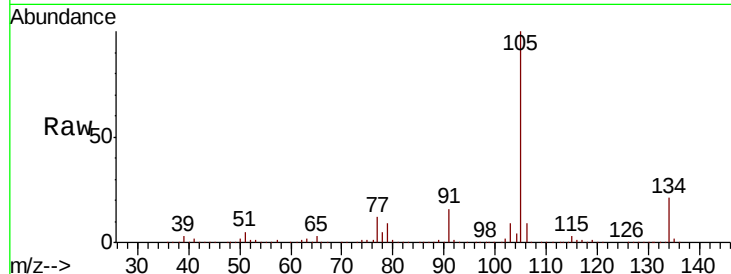
VSTDCCC050

Tot Ion:105 Resp: 596641

Ion Ratio Lower Upper

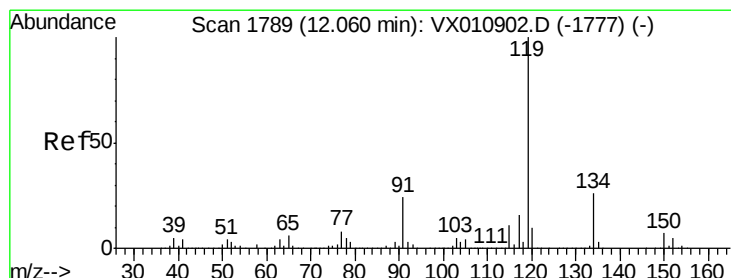
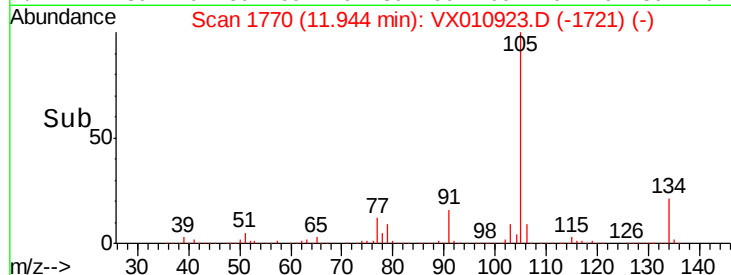
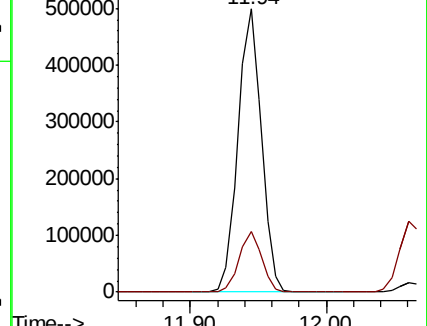
105 100

134 20.8 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.268 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

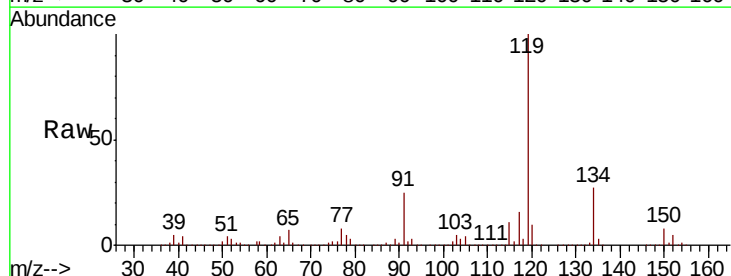
Tgt Ion:119 Resp: 553623

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

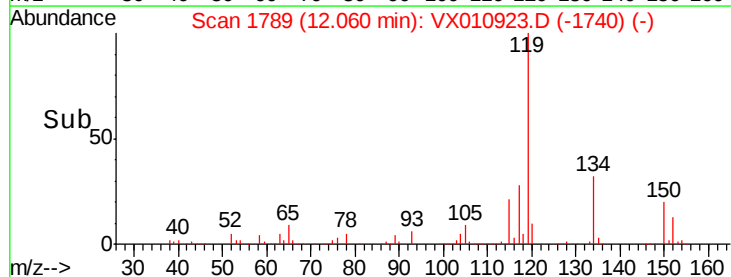
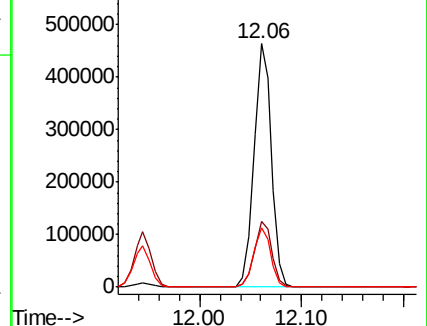
91 24.0 11.8 35.4

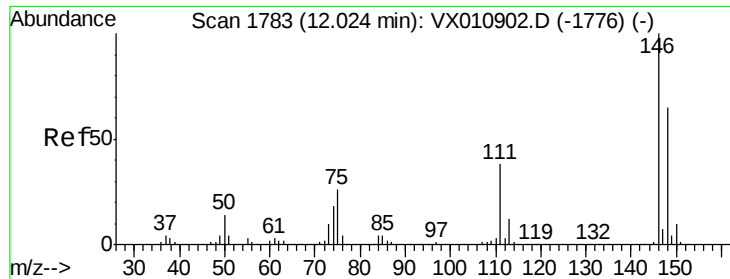


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 51.973 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

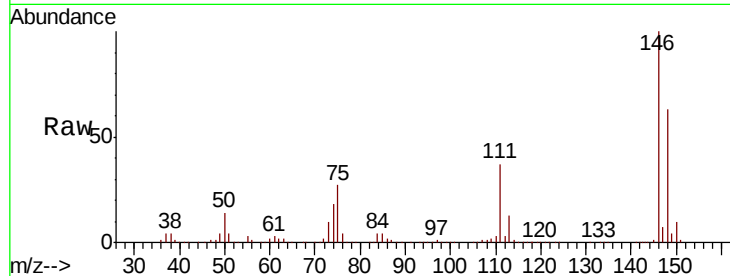
Tot Ion:146 Resp: 290816

Ion Ratio Lower Upper

146 100

111 38.0 18.9 56.9

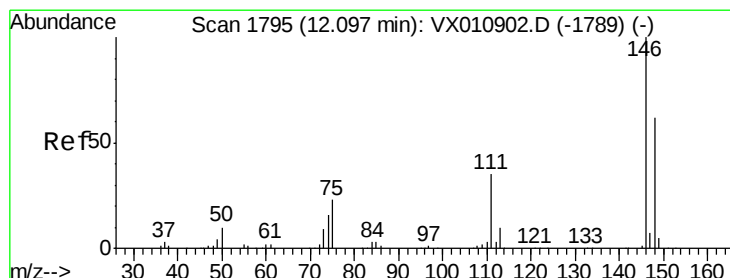
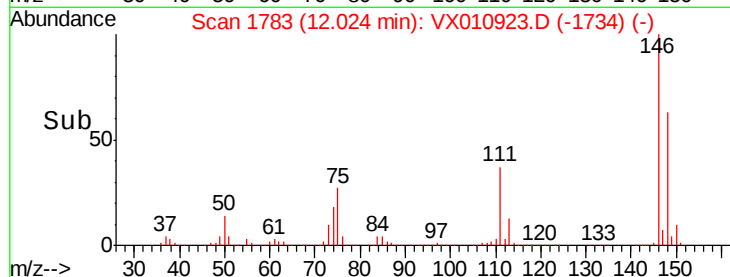
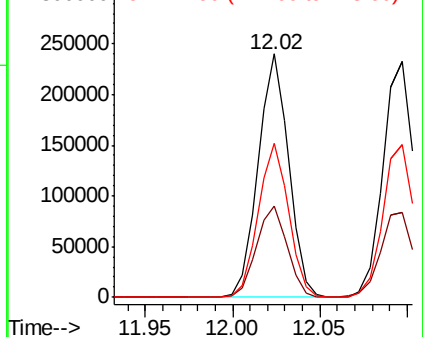
148 62.9 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 49.878 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

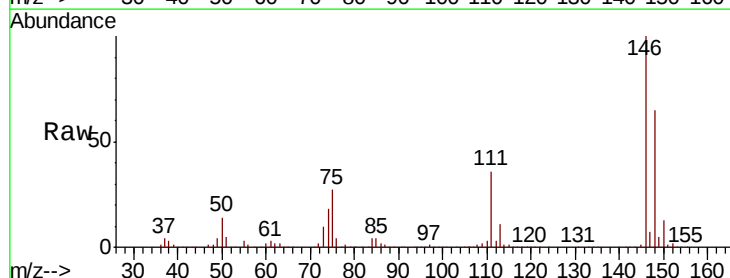
Tgt Ion:146 Resp: 286241

Ion Ratio Lower Upper

146 100

111 37.7 18.6 55.8

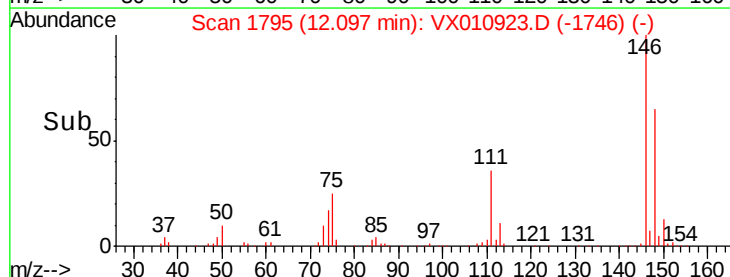
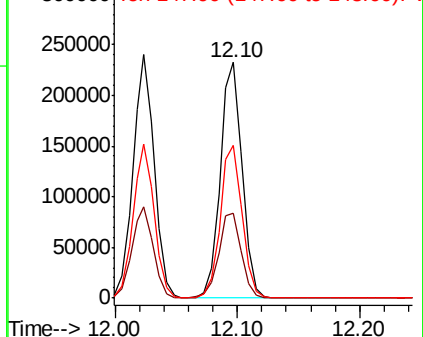
148 65.3 31.6 94.7

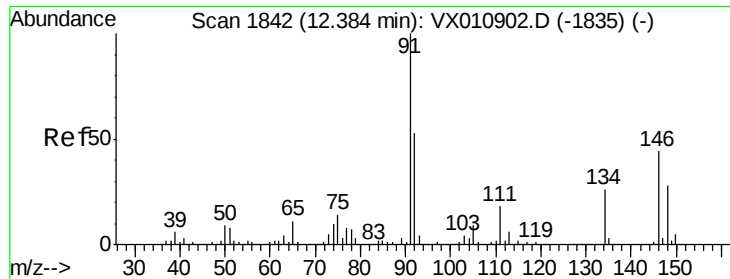


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

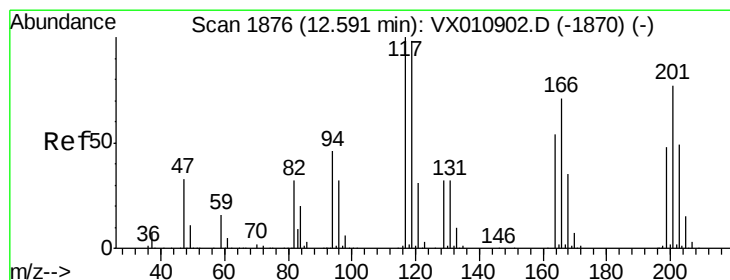
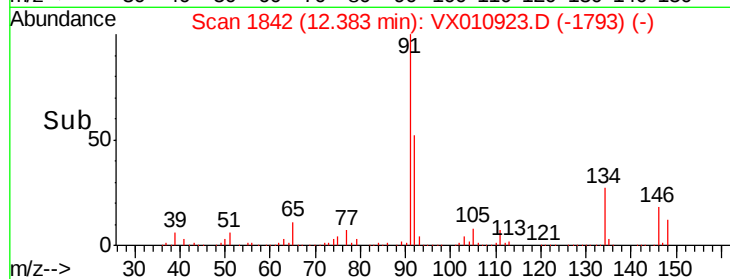
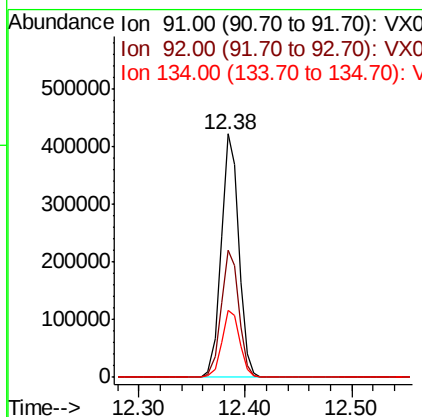
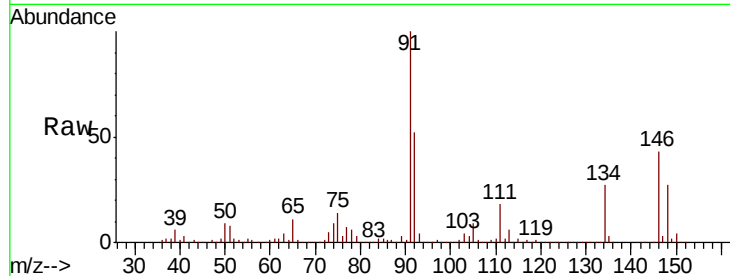




#89
n-Butylbenzene
Concen: 54.790 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010923.D
Acq: 17 Jul 2019 09:47

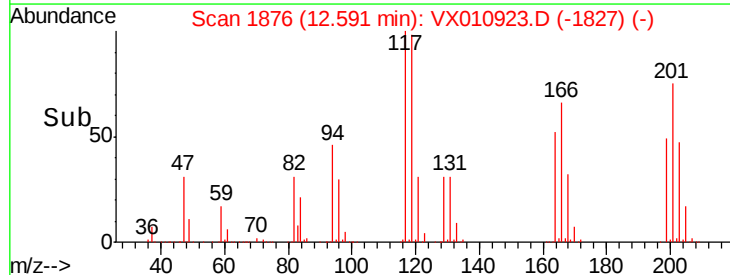
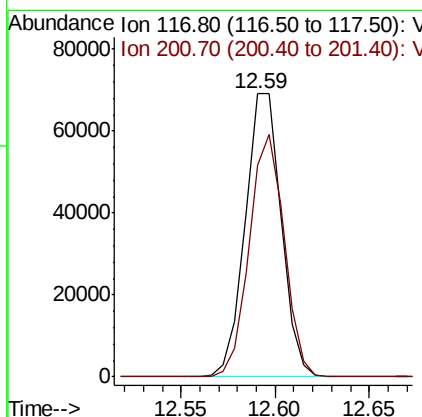
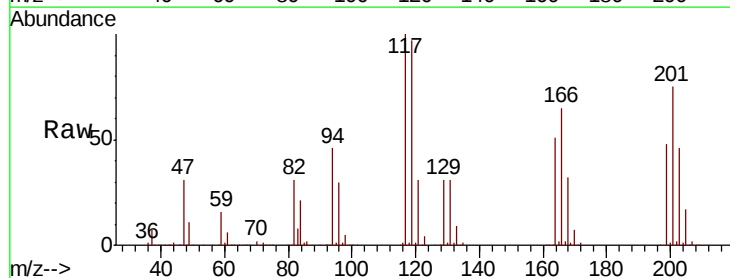
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

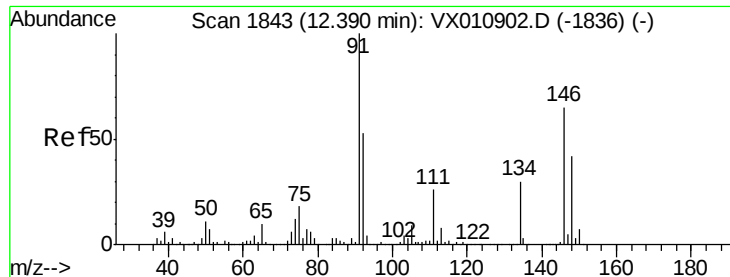
Tot Ion: 91 Resp: 487169
Ion Ratio Lower Upper
91 100
92 52.5 26.2 78.5
134 27.9 13.8 41.3



#90
Hexachloroethane
Concen: 56.092 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX010923.D
Acq: 17 Jul 2019 09:47

Tgt Ion: 117 Resp: 91951
Ion Ratio Lower Upper
117 100
201 83.0 43.3 129.8





#91

1,2-Dichlorobenzene

Concen: 50.594 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

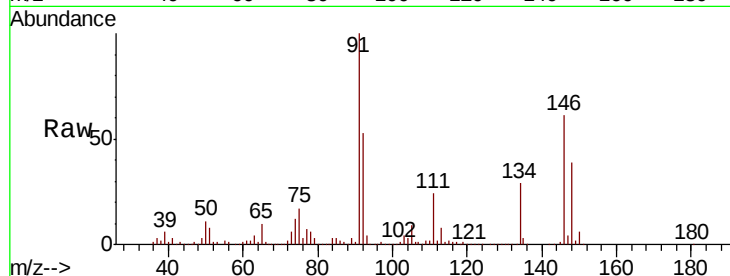
Tot Ion:146 Resp: 280577

Ion Ratio Lower Upper

146 100

111 40.0 19.9 59.7

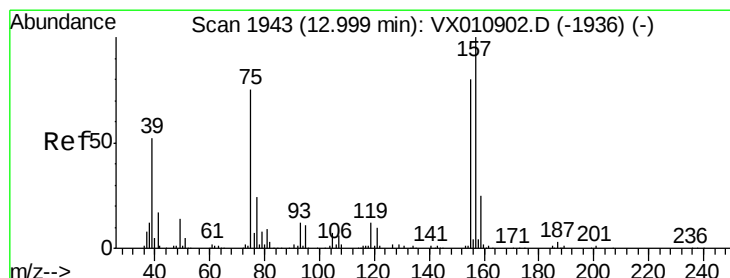
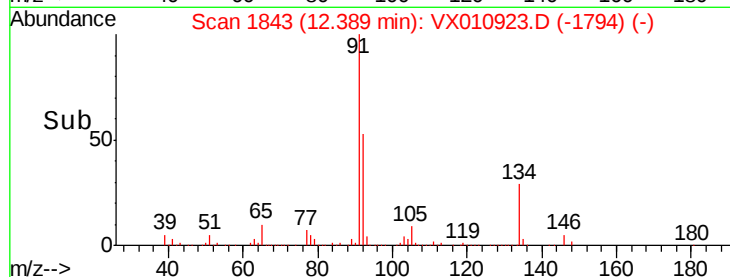
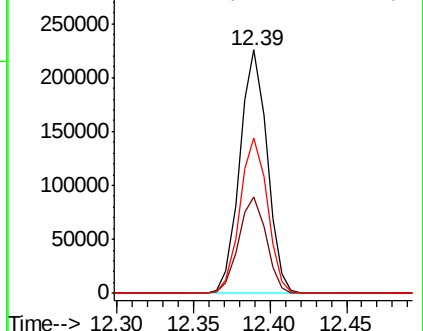
148 64.0 32.0 96.2



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: 49.306 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX010923.D

Acq: 17 Jul 2019 09:47

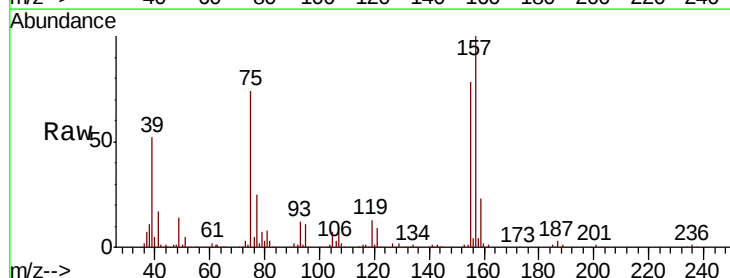
Tgt Ion: 75 Resp: 39427

Ion Ratio Lower Upper

75 100

155 98.9 48.7 146.1

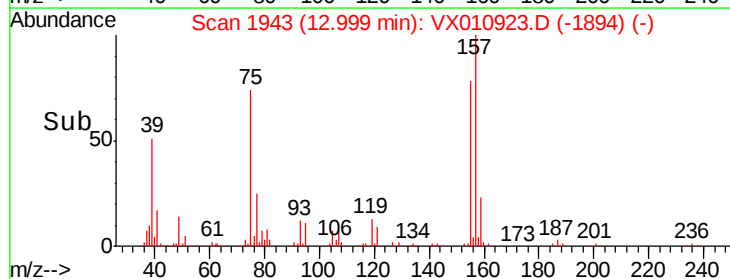
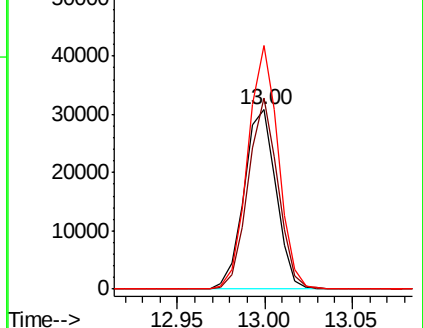
157 128.9 62.5 187.6

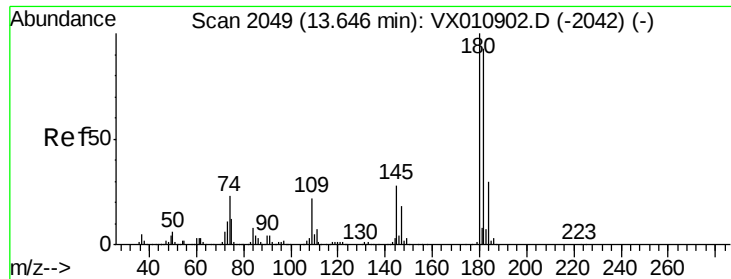


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

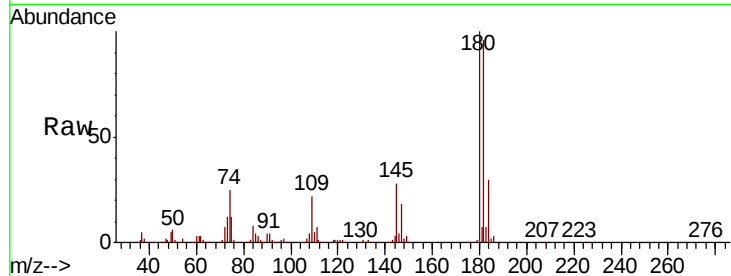




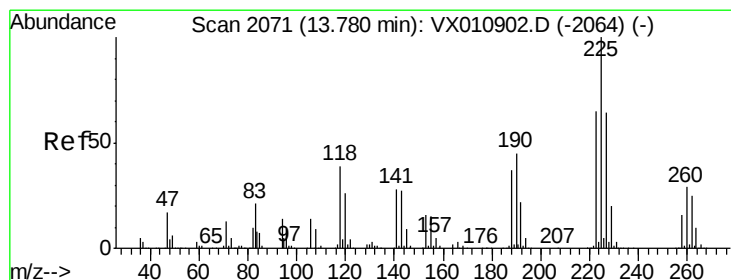
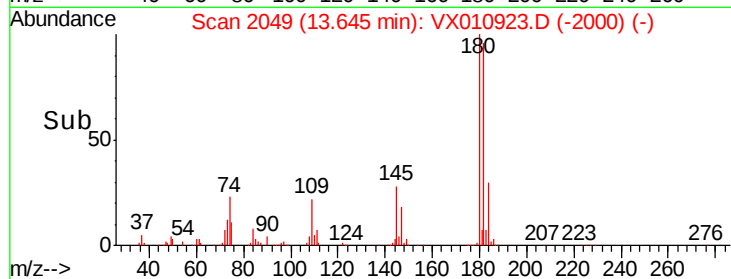
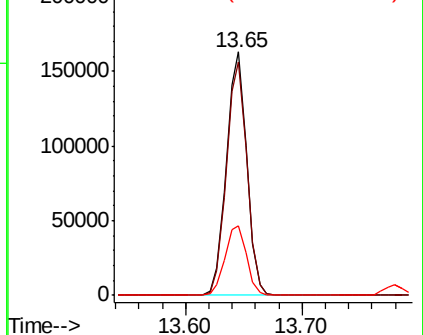
#93
 1,2,4-Trichlorobenzene
 Concen: 52.397 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010923.D
 Acq: 17 Jul 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 196925
 Ion Ratio Lower Upper
 180 100
 182 96.7 47.1 141.3
 145 30.0 14.8 44.4

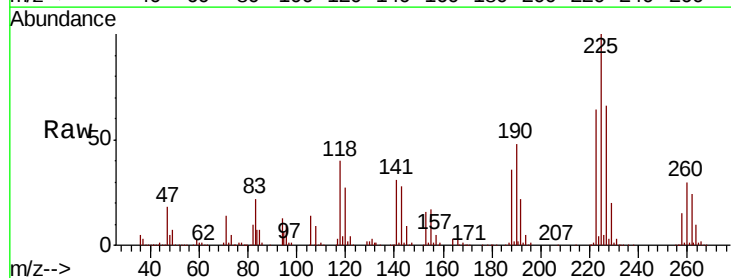


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

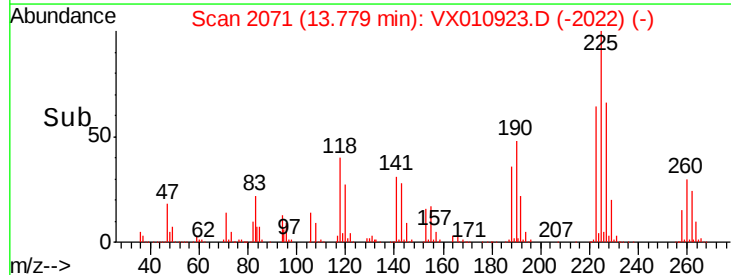
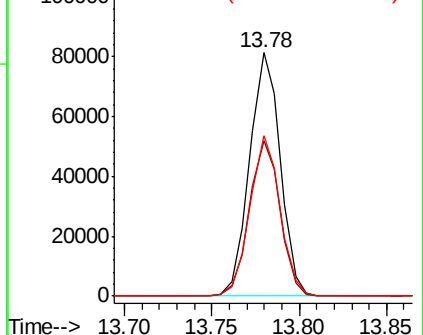


#94
 Hexachlorobutadiene
 Concen: 53.338 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010923.D
 Acq: 17 Jul 2019 09:47

Tgt Ion:225 Resp: 99340
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.9 95.9
 227 64.3 32.5 97.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

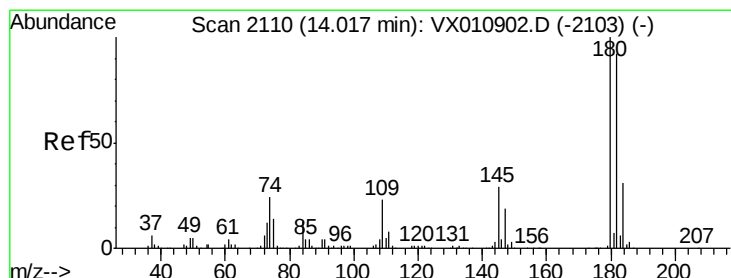
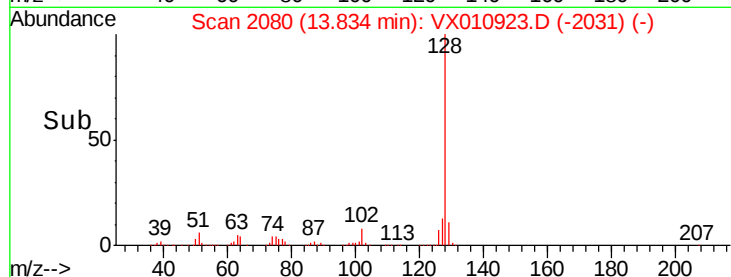
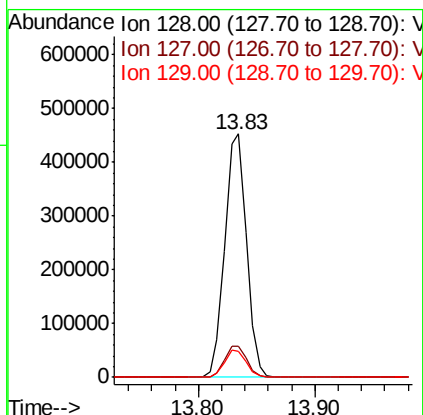
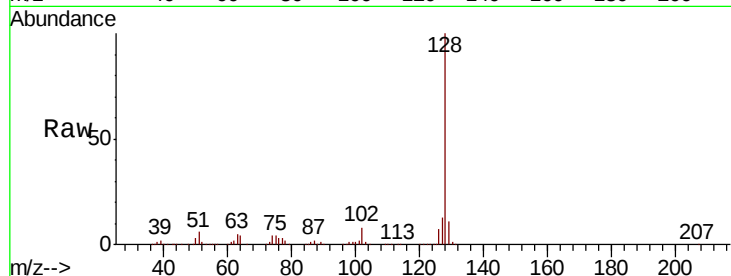




#95
Naphthalene
Concen: 52.588 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010923.D
Acq: 17 Jul 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 583629
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 11.0 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 53.064 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX010923.D
Acq: 17 Jul 2019 09:47

Tgt Ion:180 Resp: 198431
Ion Ratio Lower Upper
180 100
182 95.3 47.4 142.3
145 31.0 15.1 45.3

