

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
 Data File : VX009484.D
 Acq On : 10 May 2019 16:05
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: May 11 03:28:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	171946	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	266636	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	241128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	126318	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	111289	47.41	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.82%	
35) Dibromofluoromethane	5.49	113	84050	50.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.28%	
50) Toluene-d8	8.71	98	335940	49.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.28%	
62) 4-Bromofluorobenzene	11.13	95	125391	50.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	72046	45.469	ug/l	100
3) Chloromethane	1.32	50	103325	47.763	ug/l	100
4) Vinyl Chloride	1.40	62	103874	49.242	ug/l	97
5) Bromomethane	1.64	94	58429	46.148	ug/l	100
6) Chloroethane	1.71	64	66891	49.390	ug/l	99
7) Trichlorofluoromethane	1.92	101	129285	50.420	ug/l	98
8) Diethyl Ether	2.18	74	59154	48.703	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	80299	49.869	ug/l	98
10) Methyl Iodide	2.51	142	89832	48.198	ug/l	99
11) Tert butyl alcohol	3.05	59	129523	238.385	ug/l	100
12) 1,1-Dichloroethene	2.37	96	80975	50.191	ug/l	97
13) Acrolein	2.29	56	105288	213.973	ug/l	98
14) Allyl chloride	2.72	41	188711	47.997	ug/l	99
15) Acrylonitrile	3.14	53	315300	237.336	ug/l	99
16) Acetone	2.44	43	321672	255.216	ug/l	98
17) Carbon Disulfide	2.56	76	230561	50.901	ug/l	100
18) Methyl Acetate	2.77	43	135560	45.225	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	307919	49.149	ug/l	100
20) Methylene Chloride	2.85	84	96753	47.410	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	87505	50.012	ug/l	98
22) Diisopropyl ether	3.85	45	370702	49.027	ug/l	97
23) Vinyl Acetate	3.81	43	1662415	256.754	ug/l	100
24) 1,1-Dichloroethane	3.69	63	179920	48.236	ug/l	99
25) 2-Butanone	4.67	43	484253	247.243	ug/l	100
26) 2,2-Dichloropropane	4.58	77	136699	49.236	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	101451	48.577	ug/l	100
28) Bromochloromethane	5.01	49	68631	45.459	ug/l	99
29) Tetrahydrofuran	5.12	42	309235	245.355	ug/l	99
30) Chloroform	5.21	83	168040	49.811	ug/l	99
31) Cyclohexane	5.57	56	178571	51.457	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	138694	49.386	ug/l	99
36) 1,1-Dichloropropene	5.79	75	130025	52.474	ug/l	100
37) Ethyl Acetate	4.83	43	178056	51.574	ug/l	99
38) Carbon Tetrachloride	5.78	117	117989	52.409	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	167038	54.891	ug/l	98
40) Benzene	6.14	78	393489	51.311	ug/l	99
41) Methacrylonitrile	5.04	41	99693	48.509	ug/l	99
42) 1,2-Dichloroethane	6.19	62	141871	51.573	ug/l	100
43) Isopropyl Acetate	6.44	43	283336	51.307	ug/l	100
44) Trichloroethene	7.21	130	95164	51.332	ug/l	99
45) 1,2-Dichloropropane	7.51	63	110496	50.886	ug/l	99
46) Dibromomethane	7.66	93	64329	51.015	ug/l	98
47) Bromodichloromethane	7.90	83	128824	51.216	ug/l	96
48) Methyl methacrylate	7.77	41	143015	52.200	ug/l	99
49) 1,4-Dioxane	7.74	88	54062	973.001	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	923687	255.903	ug/l	100
52) Toluene	8.78	92	243659	52.270	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	151801	53.455	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	168547	53.622	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	96347	50.661	ug/l	95
56) Ethyl methacrylate	9.18	69	176466	51.982	ug/l	99
57) 1,3-Dichloropropane	9.37	76	170235	50.867	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	435323	241.722	ug/l	100
59) 2-Hexanone	9.49	43	745931	263.127	ug/l	99
60) Dibromochloromethane	9.58	129	97972	52.746	ug/l	98
61) 1,2-Dibromoethane	9.67	107	99560	51.862	ug/l	99
64) Tetrachloroethene	9.34	164	88040	53.228	ug/l	99
65) Chlorobenzene	10.13	112	251469	52.133	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	91237	52.172	ug/l	98
67) Ethyl Benzene	10.25	91	469052	52.837	ug/l	100
68) m/p-Xylenes	10.36	106	350902	108.168	ug/l	100
69) o-Xylene	10.69	106	169272	52.885	ug/l	99
70) Styrene	10.71	104	301091	54.122	ug/l	100
71) Bromoform	10.85	173	74129	52.162	ug/l #	99
73) Isopropylbenzene	11.02	105	457571	49.813	ug/l	99
74) N-amyl acetate	10.90	43	267703	49.988	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	163270	47.680	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	195024	66.558	ug/l	81
77) Bromobenzene	11.26	156	112731	49.445	ug/l	99
78) n-propylbenzene	11.36	91	535436	51.040	ug/l	99
79) 2-Chlorotoluene	11.42	91	314780	48.636	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	391764	50.652	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	57626	50.320	ug/l	99
82) 4-Chlorotoluene	11.51	91	364877	49.904	ug/l	100
83) tert-Butylbenzene	11.77	119	376124	49.990	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	394029	50.755	ug/l	99
85) sec-Butylbenzene	11.94	105	454625	50.966	ug/l	100
86) p-Isopropyltoluene	12.06	119	417692	52.086	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	205371	50.529	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	206818	50.472	ug/l	99
89) n-Butylbenzene	12.38	91	384646	53.069	ug/l	99
90) Hexachloroethane	12.60	117	69670	50.995	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	207742	50.182	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37211	48.441	ug/l	99

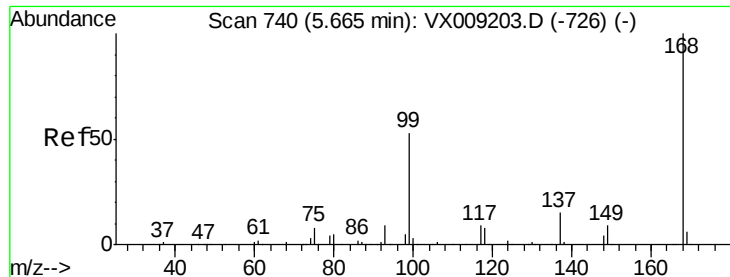
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	150613	53.203	ug/l	98
94) Hexachlorobutadiene	13.78	225	77326	53.489	ug/l	99
95) Naphthalene	13.83	128	462108	50.174	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	148604	51.786	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

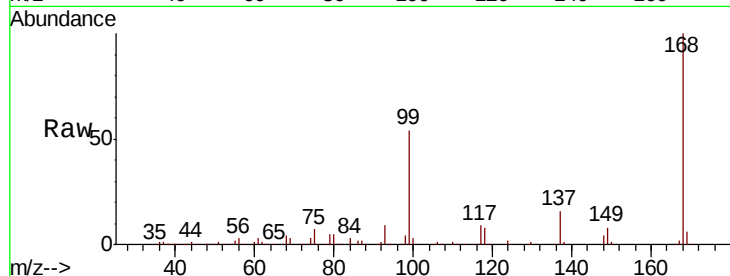
VSTDCCC050

Tot Ion:168 Resp: 171946

Ion Ratio Lower Upper

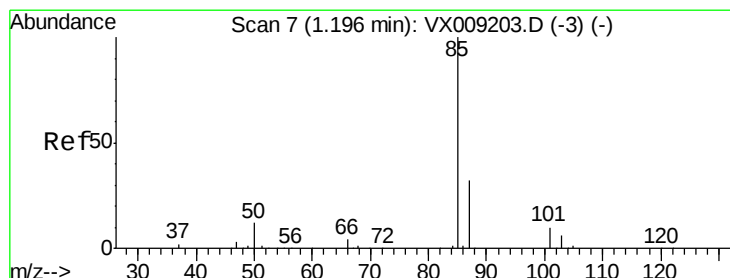
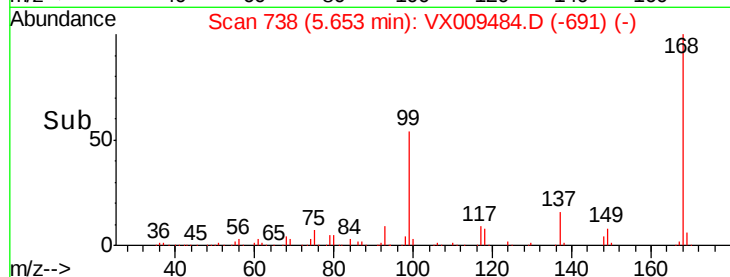
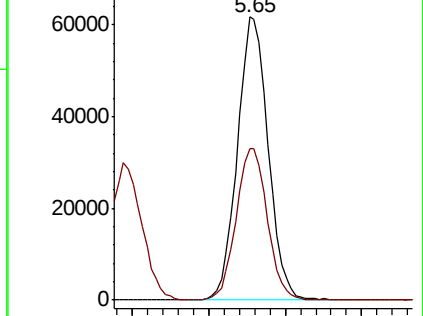
168 100

99 53.5 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 45.469 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009484.D

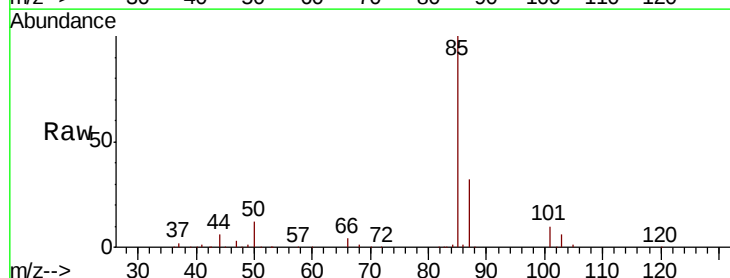
Acq: 10 May 2019 16:05

Tgt Ion: 85 Resp: 72046

Ion Ratio Lower Upper

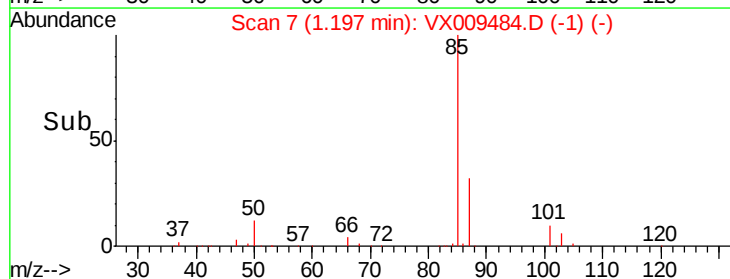
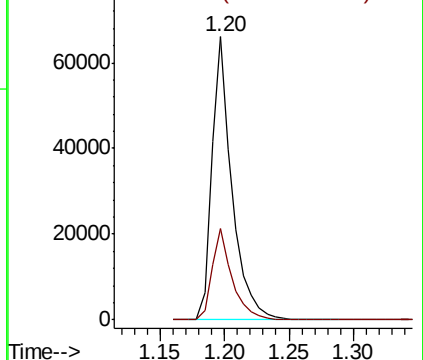
85 100

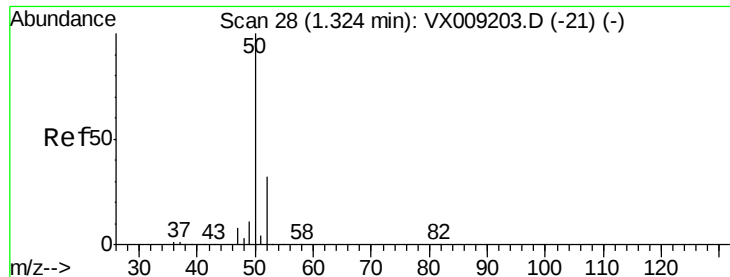
87 32.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 47.763 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampled :

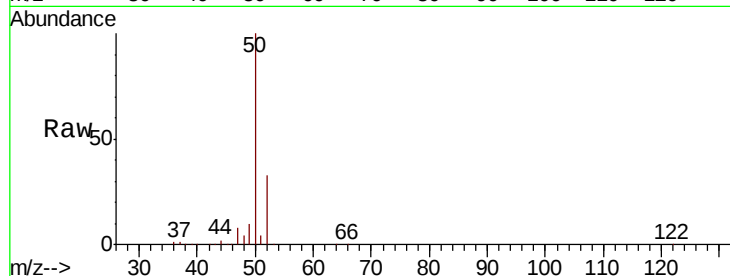
VSTDCCC050

Tot Ion: 50 Resp: 103325

Ion Ratio Lower Upper

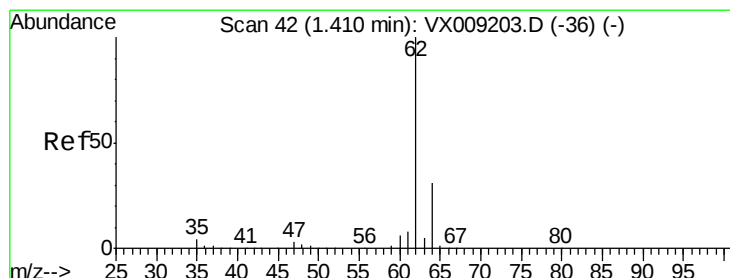
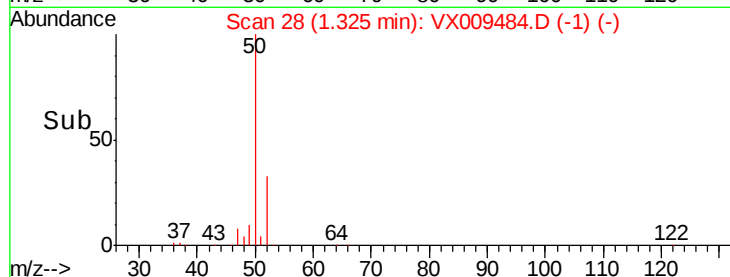
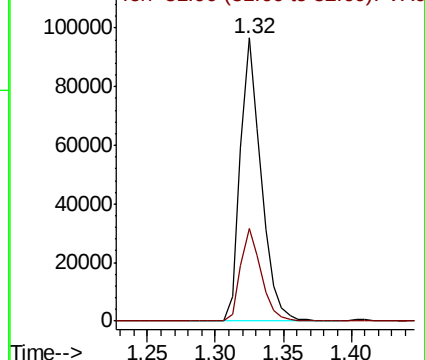
50 100

52 32.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.242 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009484.D

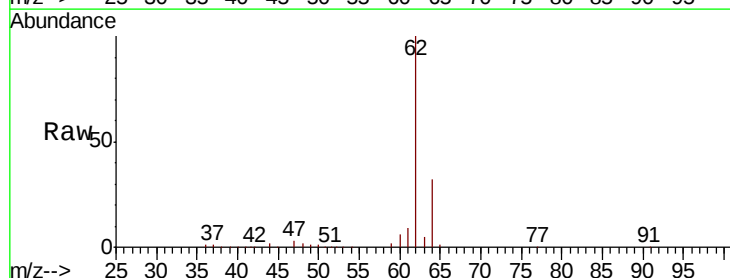
Acq: 10 May 2019 16:05

Tgt Ion: 62 Resp: 103874

Ion Ratio Lower Upper

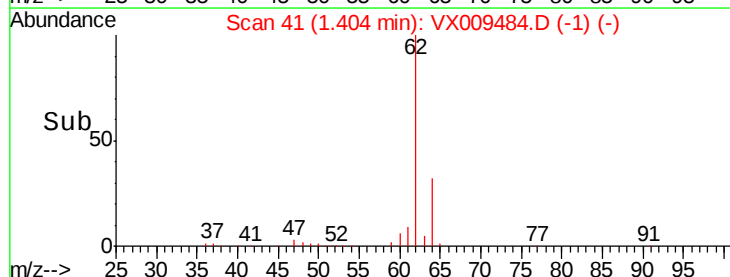
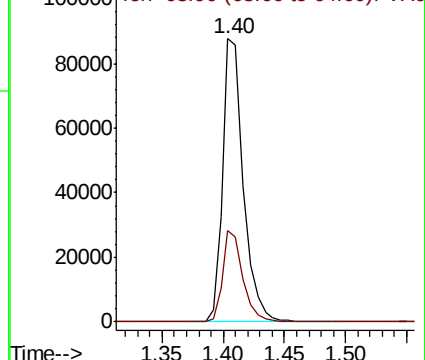
62 100

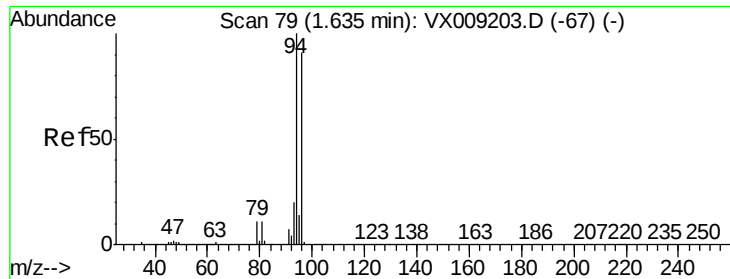
64 32.3 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 46.148 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

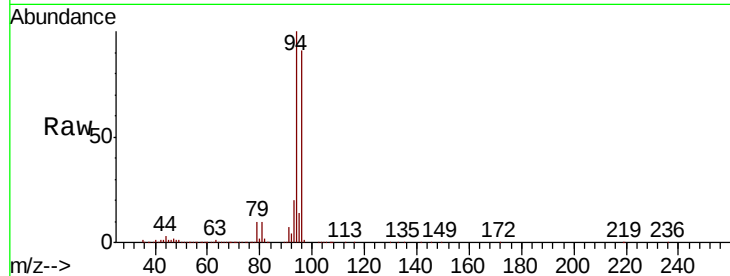
VSTDCCC050

Tot Ion: 94 Resp: 58429

Ion Ratio Lower Upper

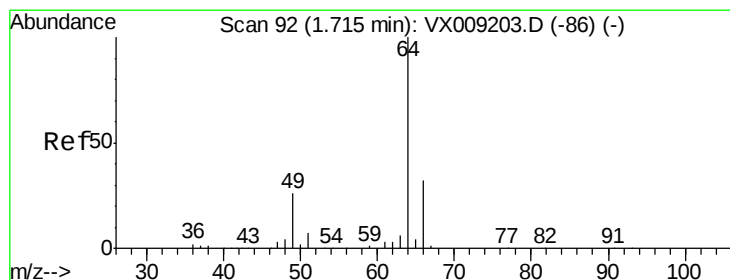
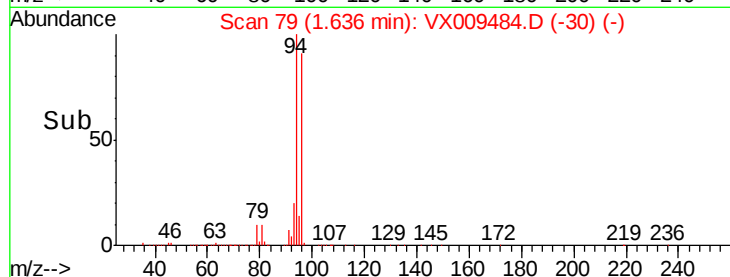
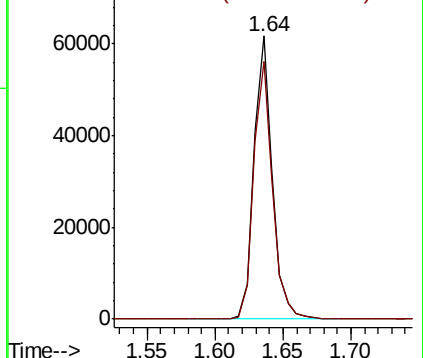
94 100

96 90.9 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 49.390 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009484.D

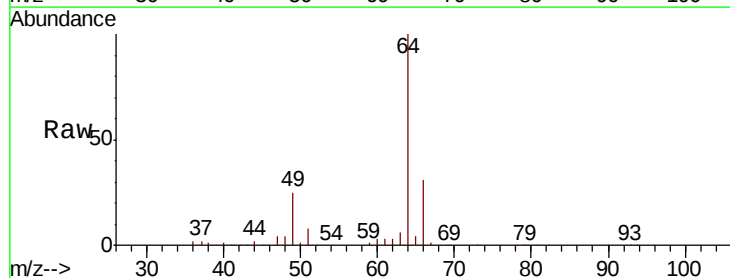
Acq: 10 May 2019 16:05

Tgt Ion: 64 Resp: 66891

Ion Ratio Lower Upper

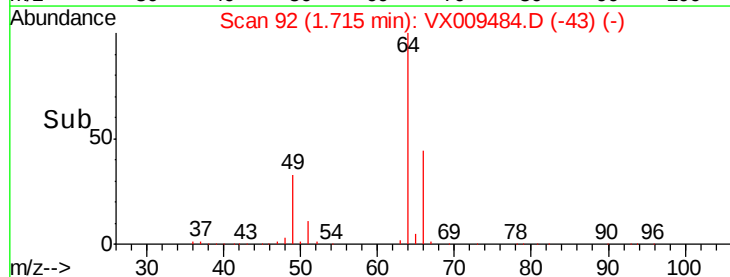
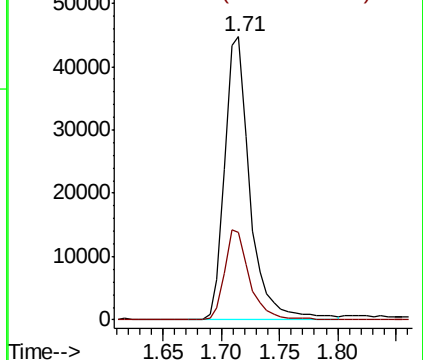
64 100

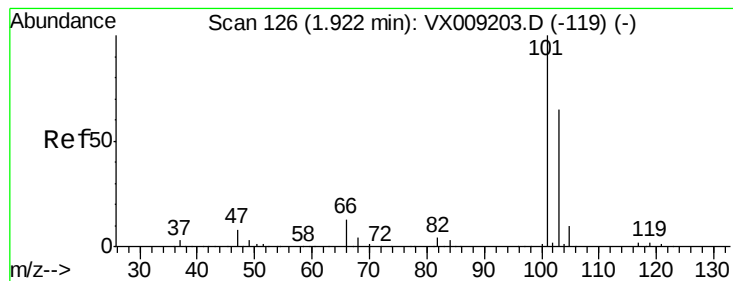
66 31.2 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



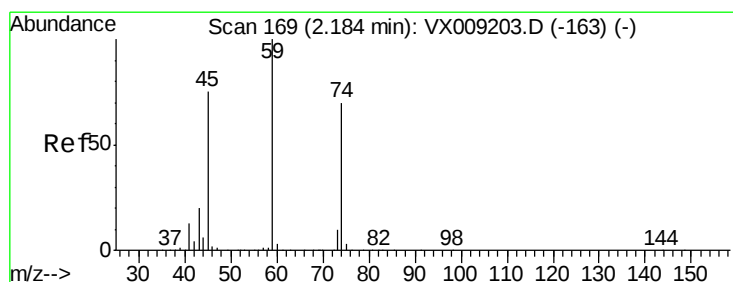
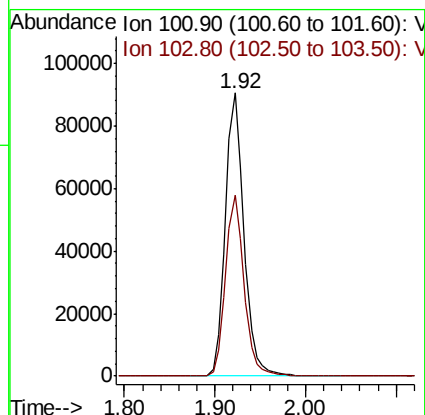
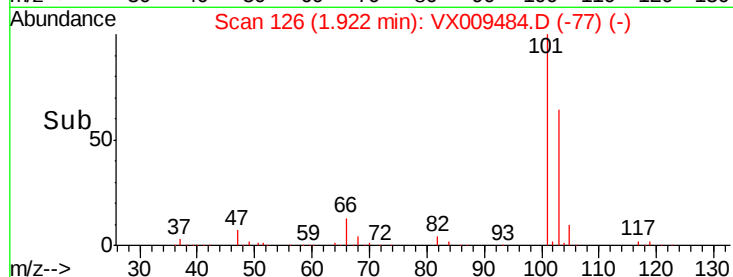
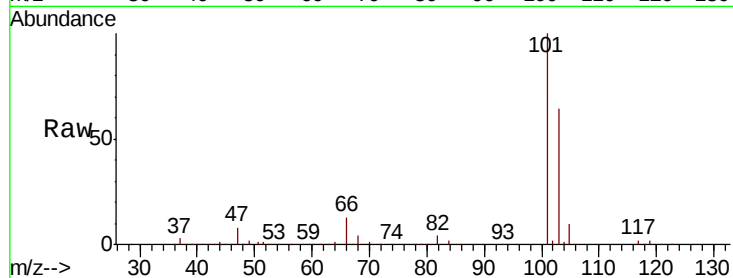


#7

Trichlorofluoromethane
 Concen: 50.420 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

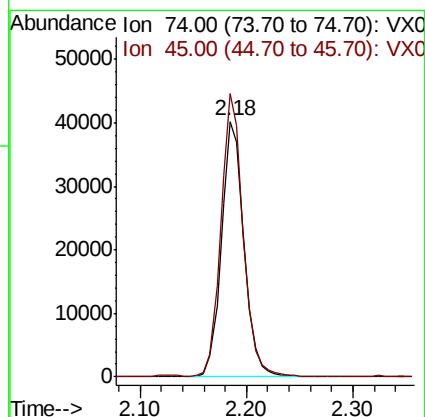
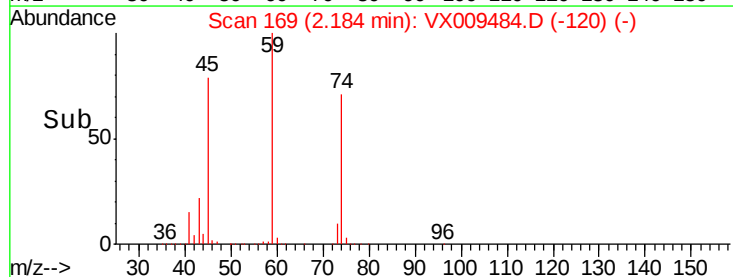
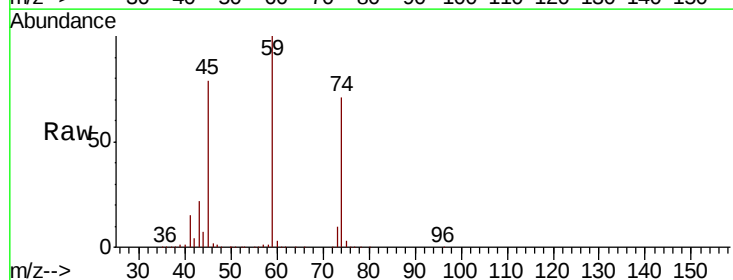
Tot Ion: 101 Resp: 129285
 Ion Ratio Lower Upper
 101 100
 103 64.0 52.4 78.6

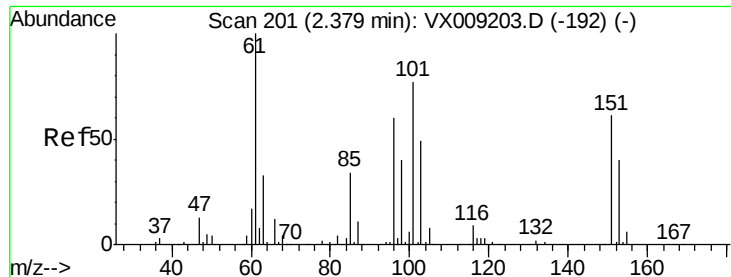


#8

Diethyl Ether
 Concen: 48.703 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

Tgt Ion: 74 Resp: 59154
 Ion Ratio Lower Upper
 74 100
 45 109.5 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.869 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

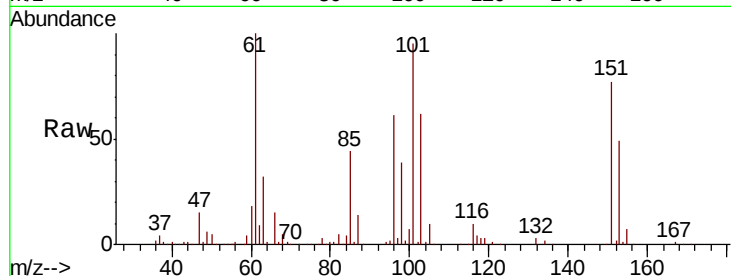
Tot Ion:101 Resp: 80299

Ion Ratio Lower Upper

101 100

85 45.0 35.7 53.5

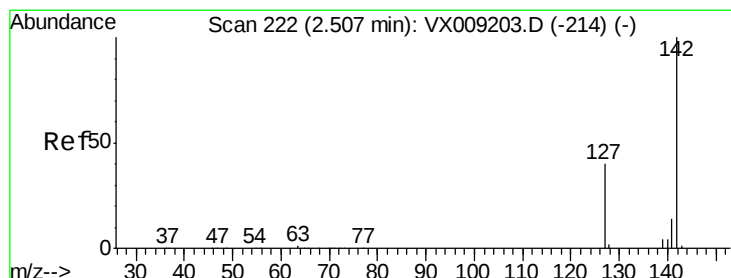
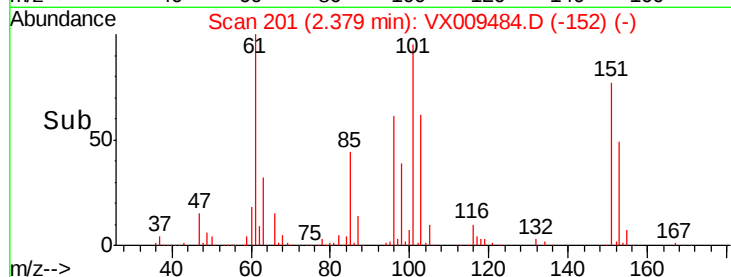
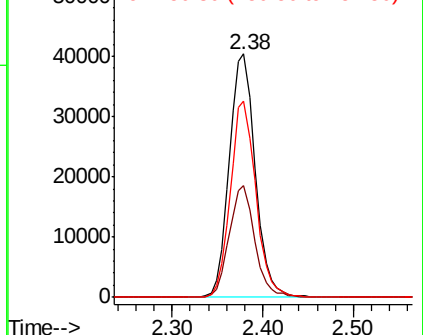
151 79.5 62.2 93.2



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: 48.198 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

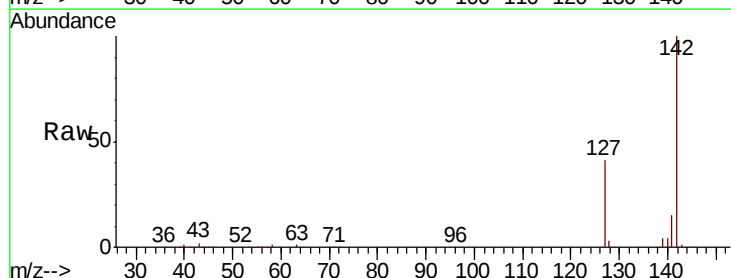
Tgt Ion:142 Resp: 89832

Ion Ratio Lower Upper

142 100

127 41.8 32.7 49.1

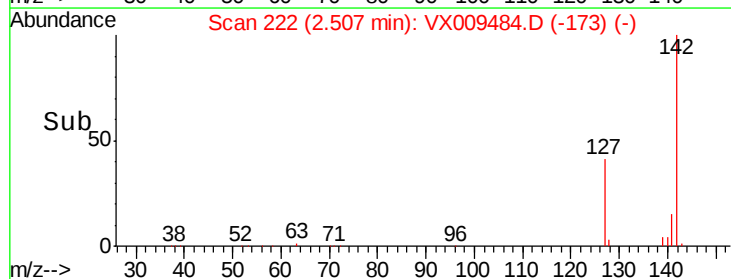
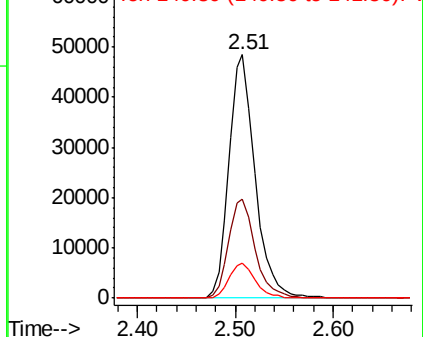
141 14.7 11.5 17.3

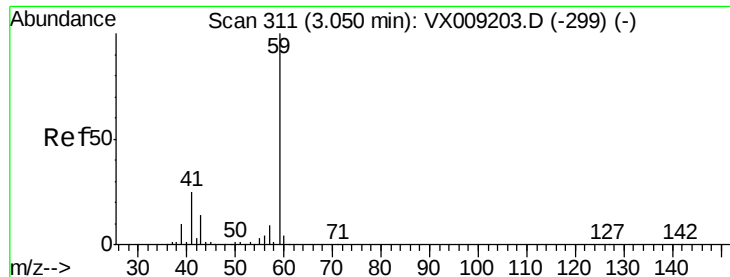


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

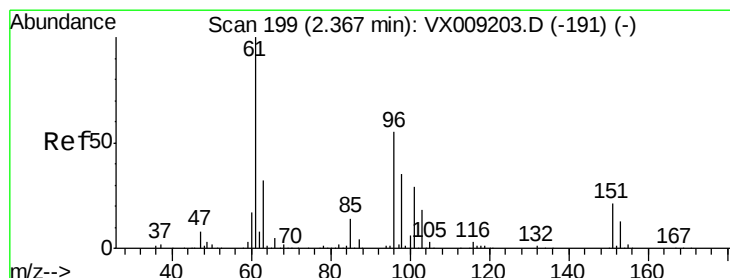
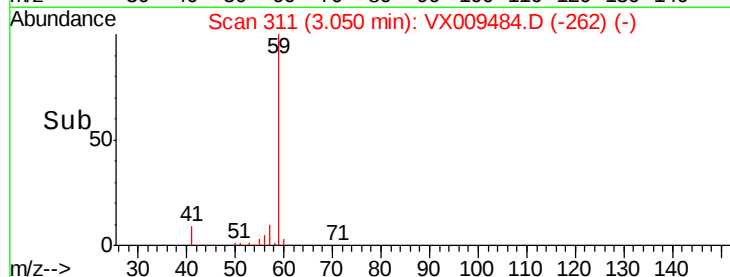
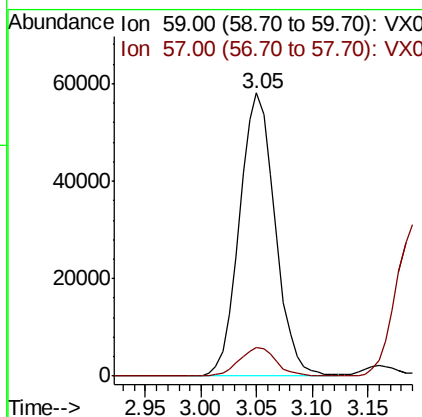
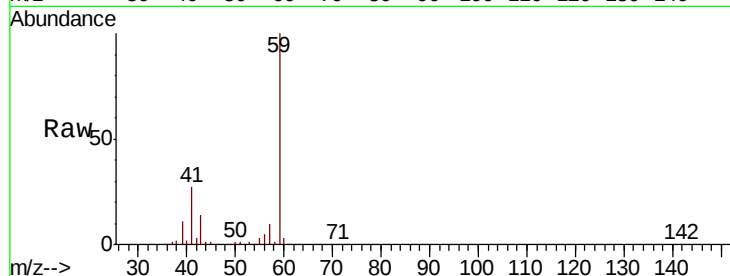




#11
Tert butyl alcohol
Concen: 238.385 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

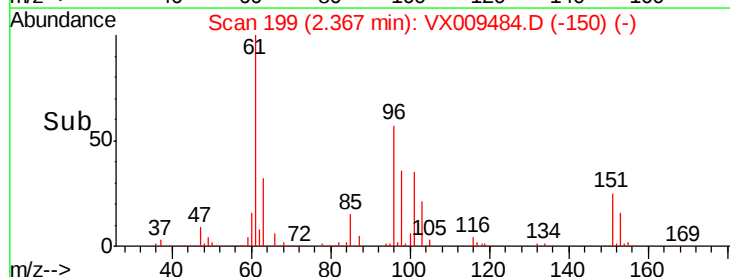
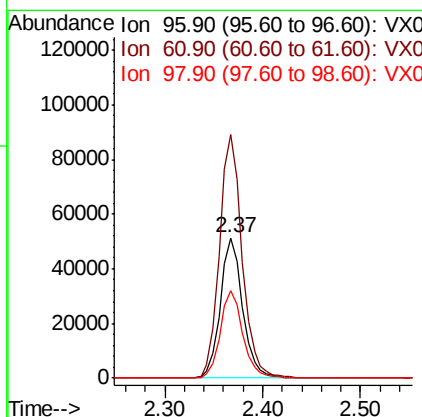
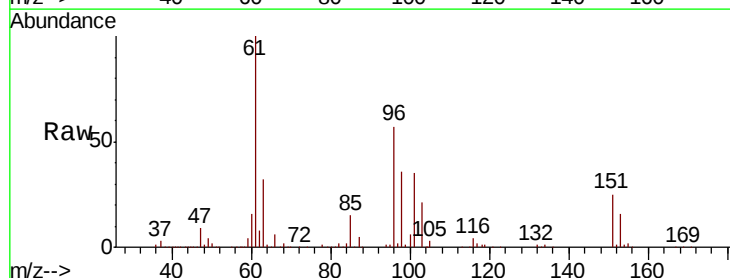
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

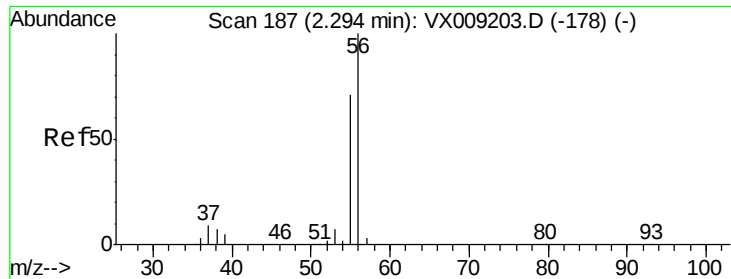
Tot Ion: 59 Resp: 129523
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2



#12
1,1-Dichloroethene
Concen: 50.191 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Tgt Ion: 96 Resp: 80975
Ion Ratio Lower Upper
96 100
61 173.9 144.3 216.5
98 62.6 50.3 75.5





#13

Acrolein

Concen: 213.973 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

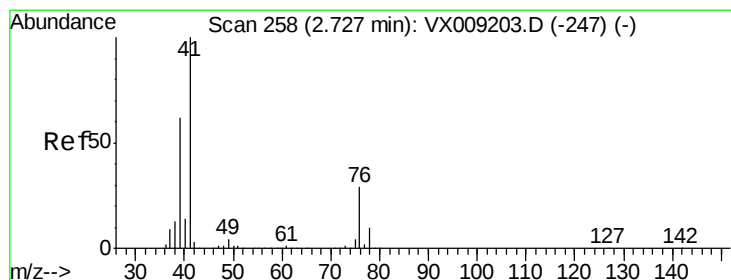
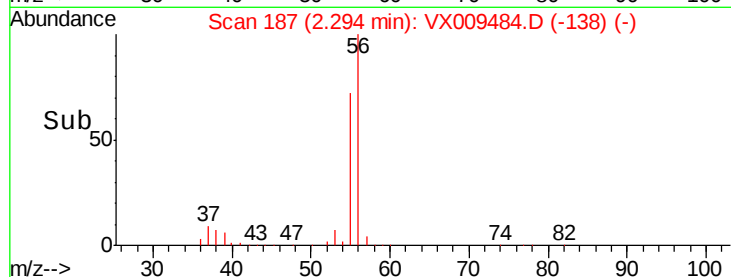
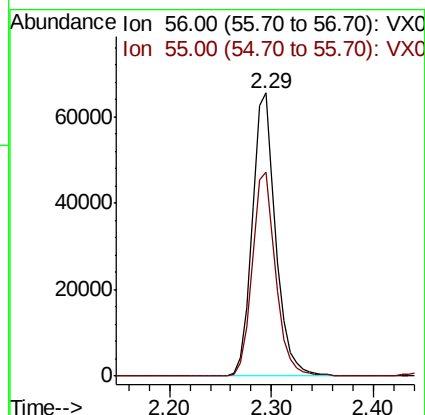
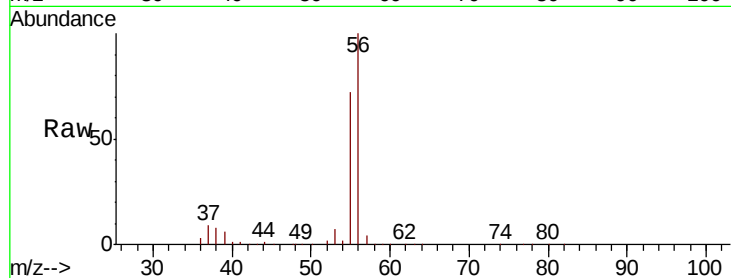
VSTDCCC050

Tot Ion: 56 Resp: 105288

Ion Ratio Lower Upper

56 100

55 72.3 56.6 85.0



#14

Allyl chloride

Concen: 47.997 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

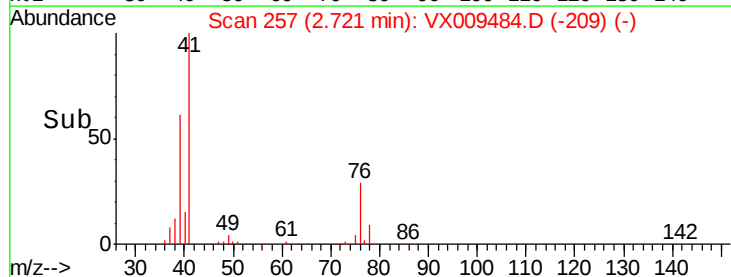
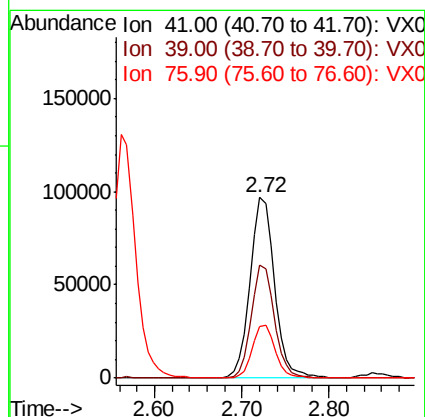
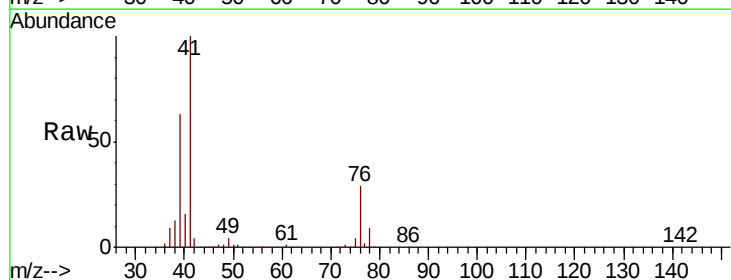
Tgt Ion: 41 Resp: 188711

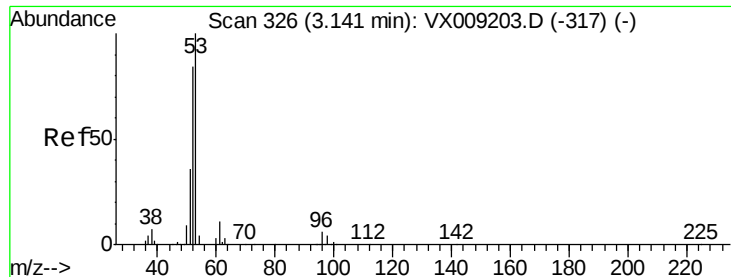
Ion Ratio Lower Upper

41 100

39 59.1 46.7 70.1

76 27.4 21.8 32.8





#15

Acrylonitrile

Concen: 237.336 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

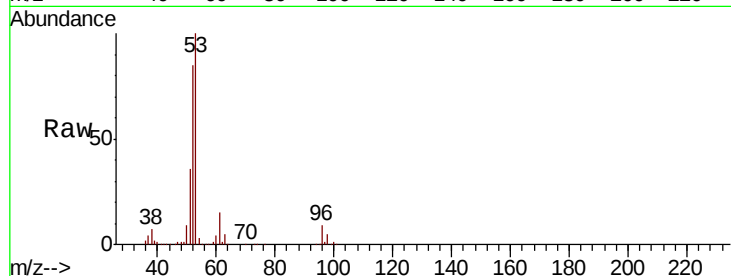
Tot Ion: 53 Resp: 315300

Ion Ratio Lower Upper

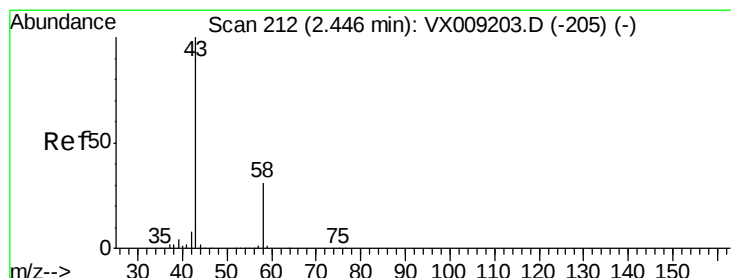
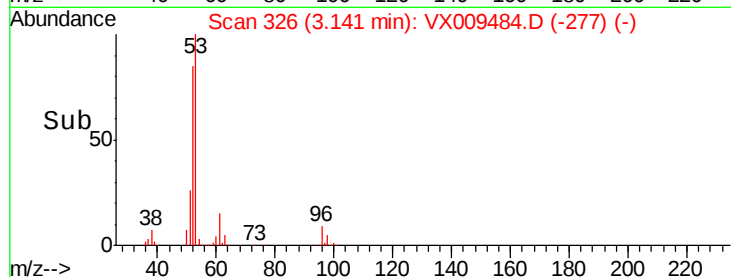
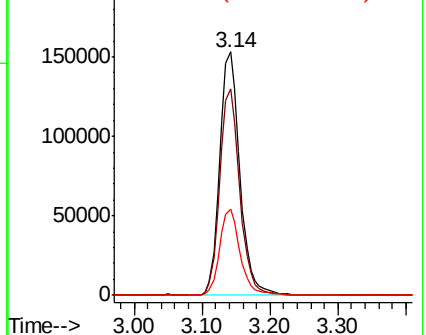
53 100

52 84.1 66.9 100.3

51 36.1 28.2 42.2



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: 255.216 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009484.D

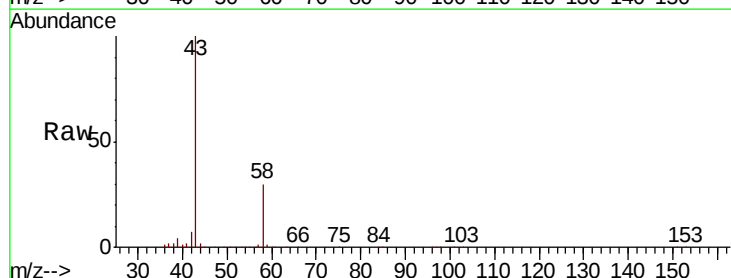
Acq: 10 May 2019 16:05

Tgt Ion: 43 Resp: 321672

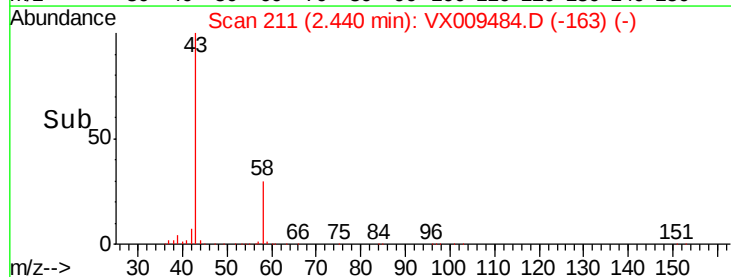
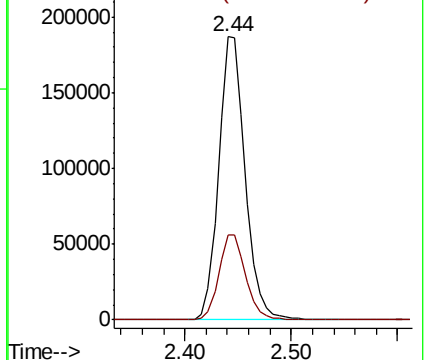
Ion Ratio Lower Upper

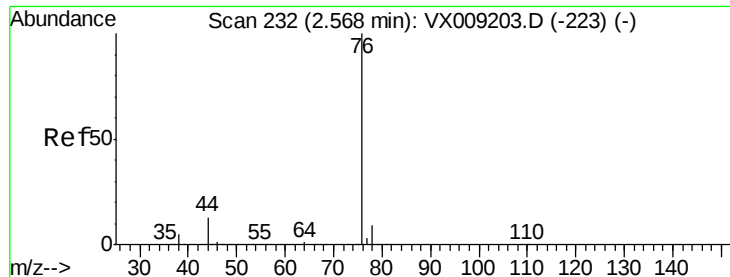
43 100

58 30.2 24.9 37.3



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

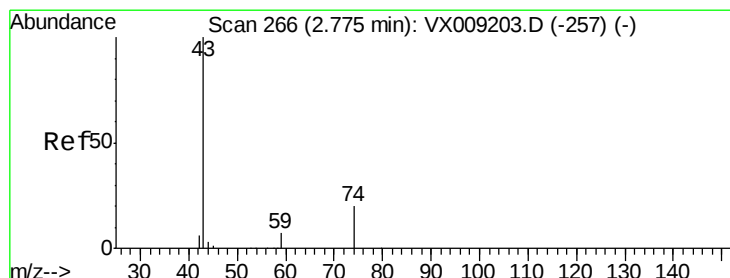
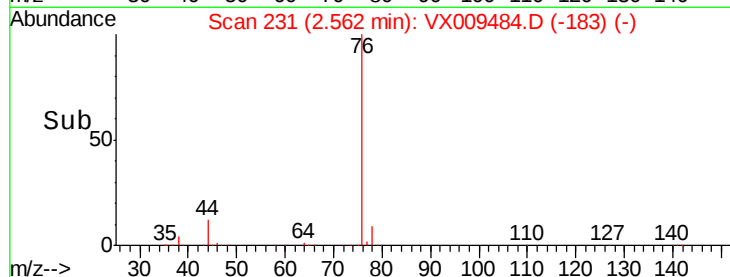
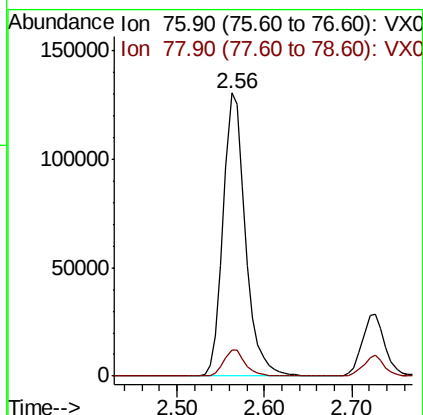
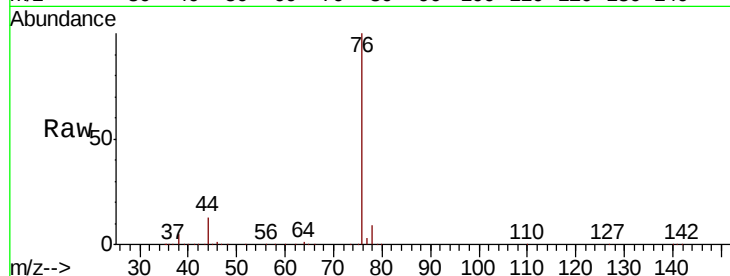




#17
Carbon Disulfide
Concen: 50.901 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

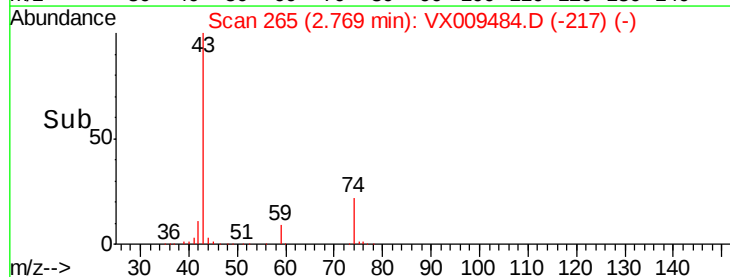
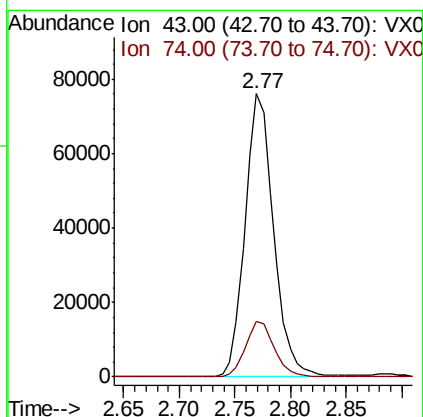
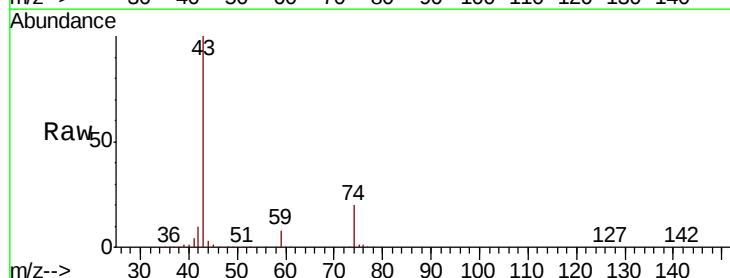
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

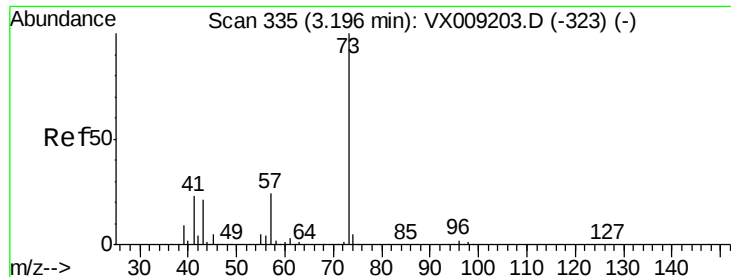
Tot Ion: 76 Resp: 230561
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 45.225 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Tgt Ion: 43 Resp: 135560
Ion Ratio Lower Upper
43 100
74 20.3 16.2 24.4



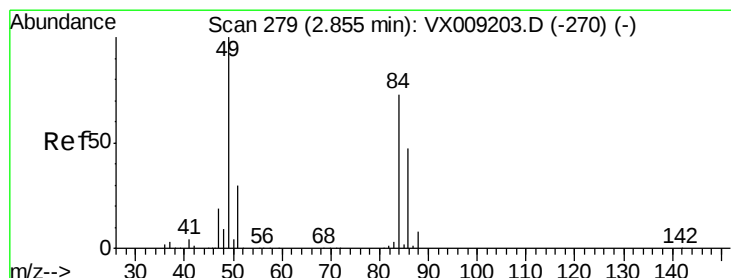
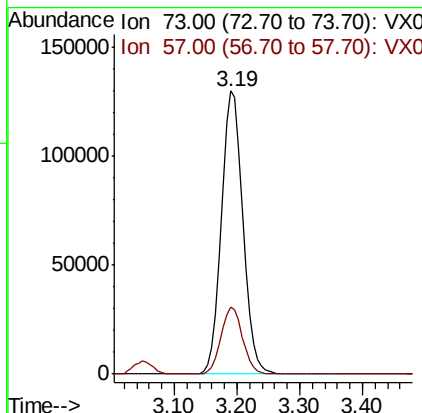
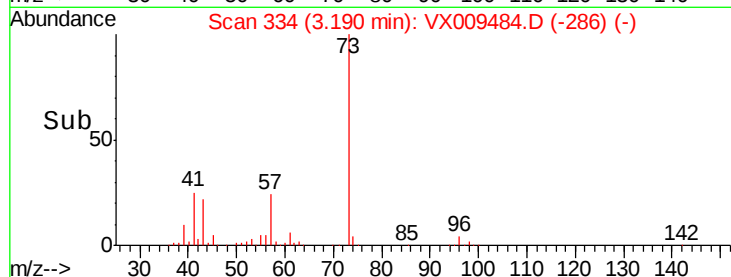
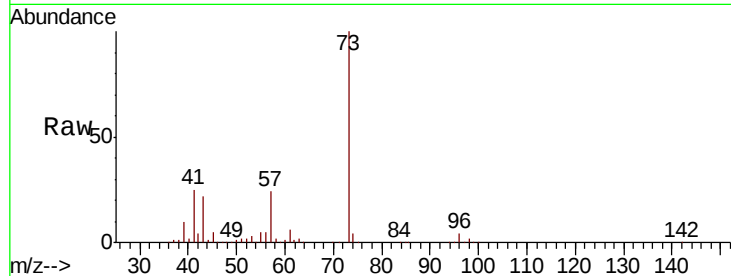


#19

Methyl tert-butyl Ether
 Concen: 49.149 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

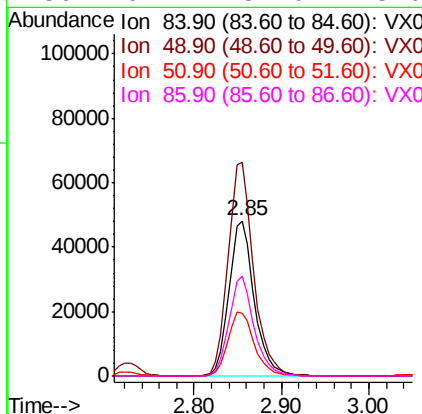
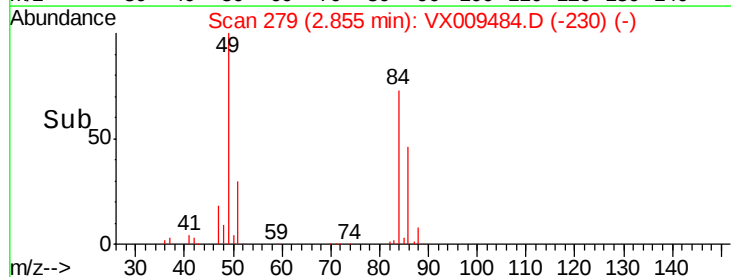
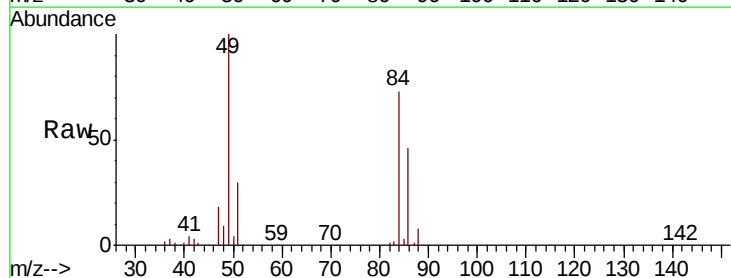
Tot Ion: 73 Resp: 307919
 Ion Ratio Lower Upper
 73 100
 57 23.9 19.3 28.9

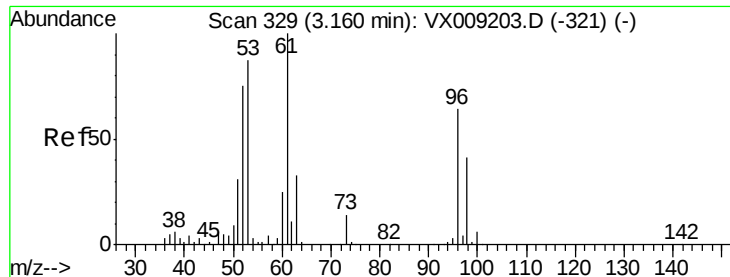


#20

Methylene Chloride
 Concen: 47.410 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

Tgt Ion: 84 Resp: 96753
 Ion Ratio Lower Upper
 84 100
 49 137.9 109.9 164.9
 51 40.8 32.7 49.1
 86 64.1 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 50.012 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

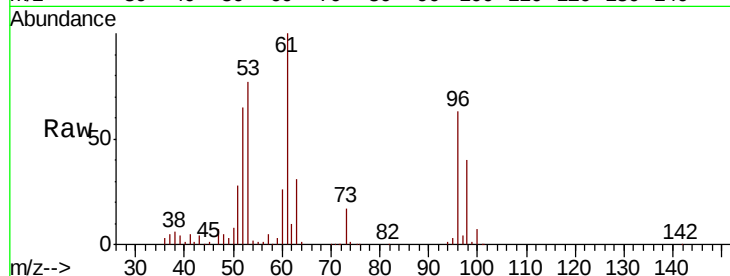
Tot Ion: 96 Resp: 87505

Ion Ratio Lower Upper

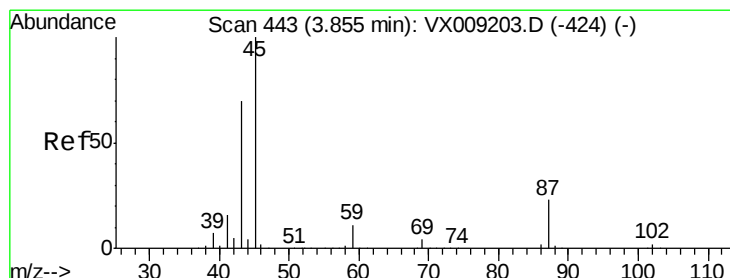
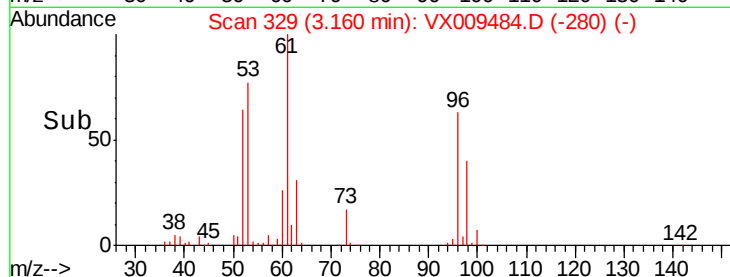
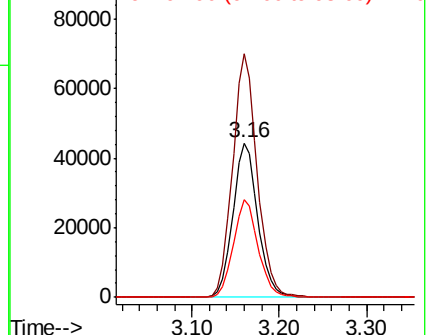
96 100

61 158.1 124.5 186.7

98 63.8 50.4 75.6



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: 49.027 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Tgt Ion: 45 Resp: 370702

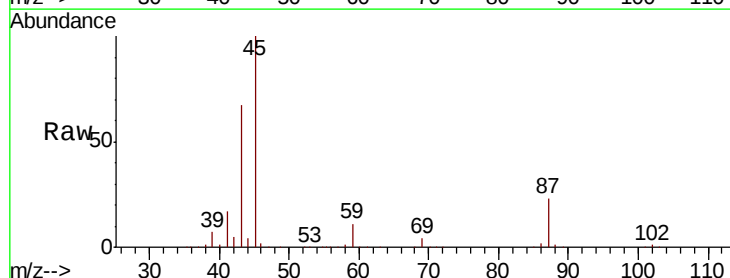
Ion Ratio Lower Upper

45 100

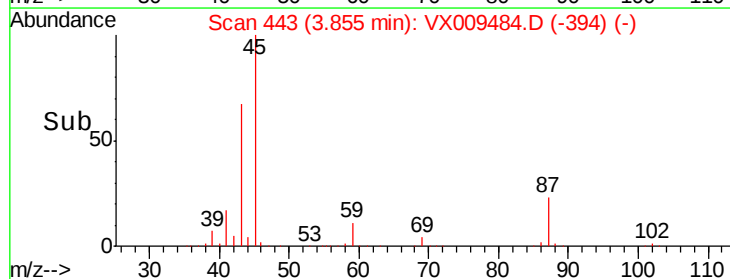
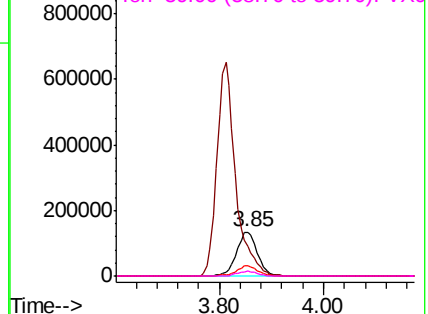
43 66.8 56.1 84.1

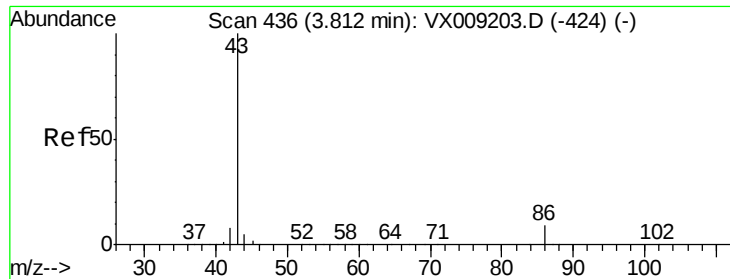
87 23.0 18.1 27.1

59 11.1 8.5 12.7



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: 256.754 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

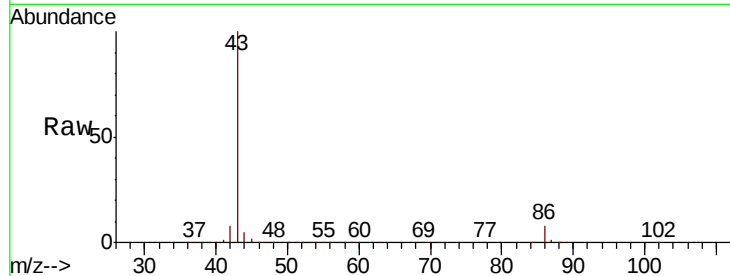
VSTDCCC050

Tot Ion: 43 Resp: 1662415

Ion Ratio Lower Upper

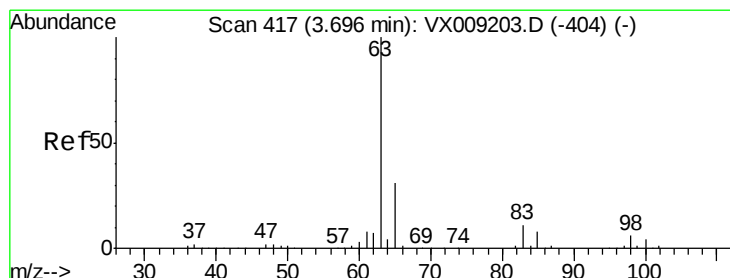
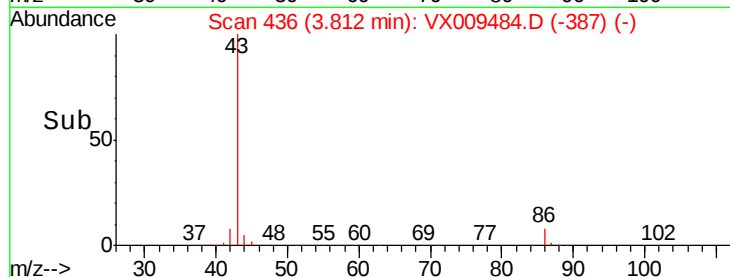
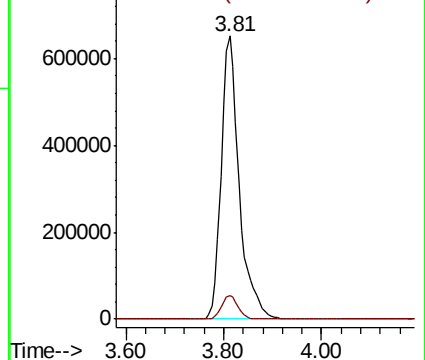
43 100

86 8.5 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 48.236 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

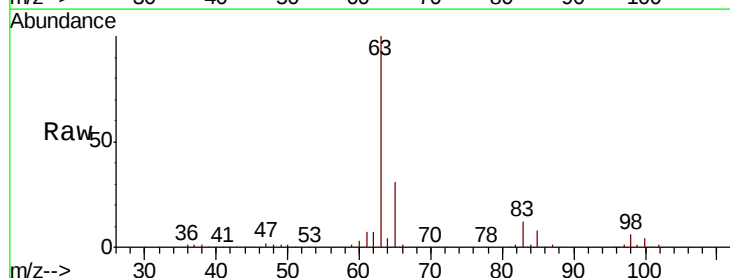
Tgt Ion: 63 Resp: 179920

Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

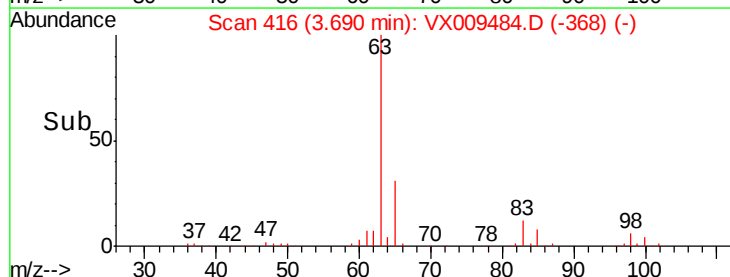
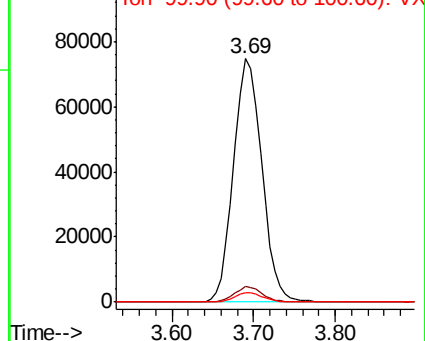
100 3.9 2.0 6.0

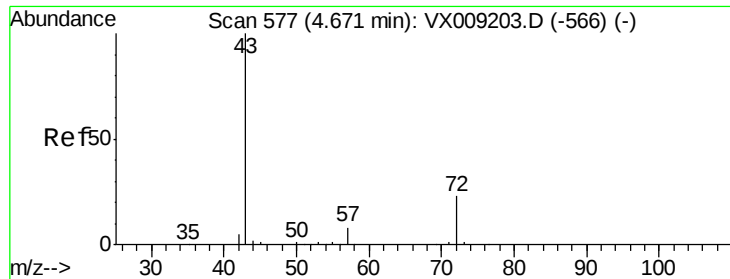


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 247.243 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

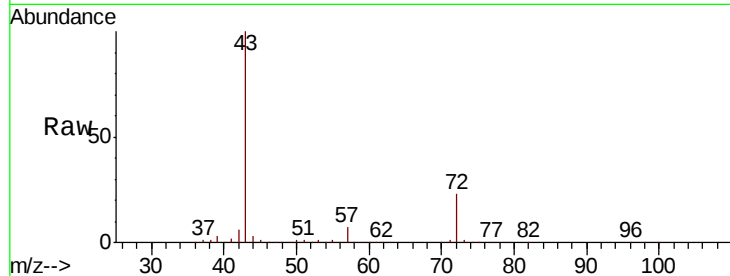
VSTDCCC050

Tot Ion: 43 Resp: 484253

Ion Ratio Lower Upper

43 100

72 22.8 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX009484.D (-528) (-)

Ion 72.00 (71.70 to 72.70): VX009484.D (-528) (-)

200000

150000

100000

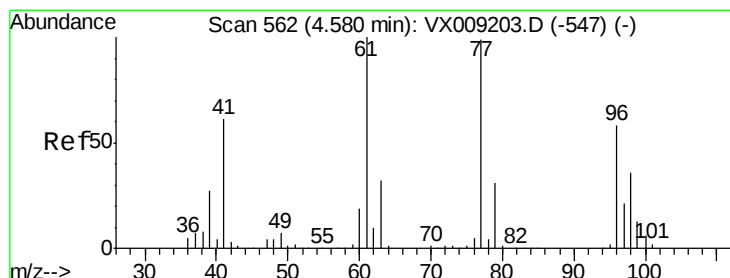
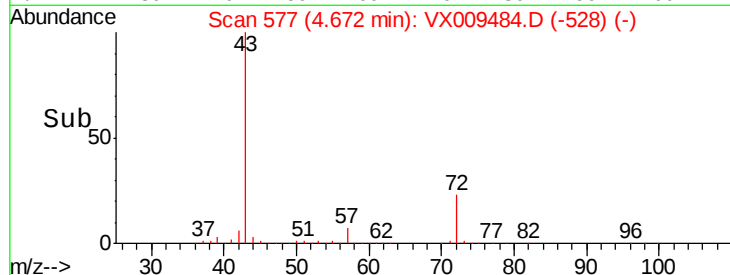
50000

0

4.60 4.65 4.70 4.75 4.80

4.67

Time-->



#26

2,2-Dichloropropane

Concen: 49.236 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009484.D

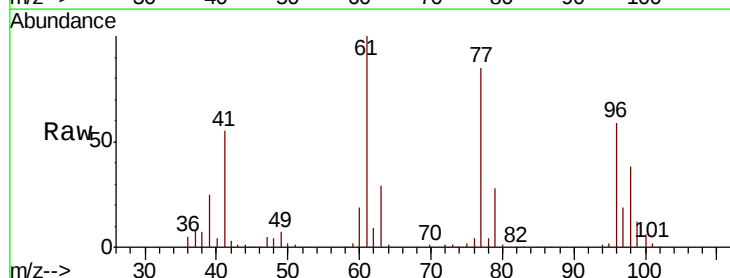
Acq: 10 May 2019 16:05

Tgt Ion: 77 Resp: 136699

Ion Ratio Lower Upper

77 100

97 22.9 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX009484.D (-513) (-)

Ion 96.90 (96.60 to 97.60): VX009484.D (-513) (-)

50000

40000

30000

20000

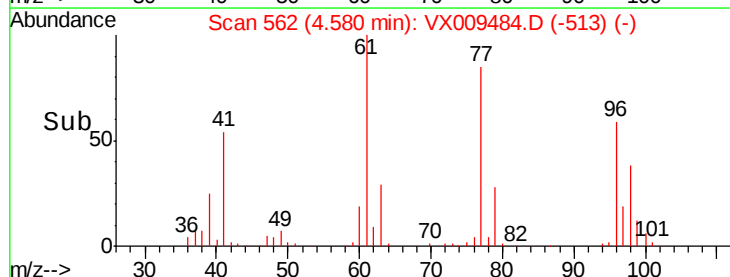
10000

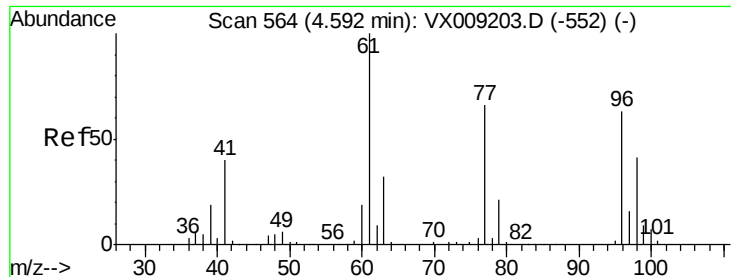
0

4.50 4.55 4.60 4.65 4.70

4.58

Time-->



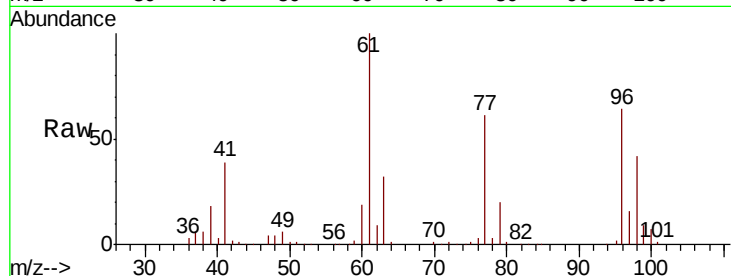


#27

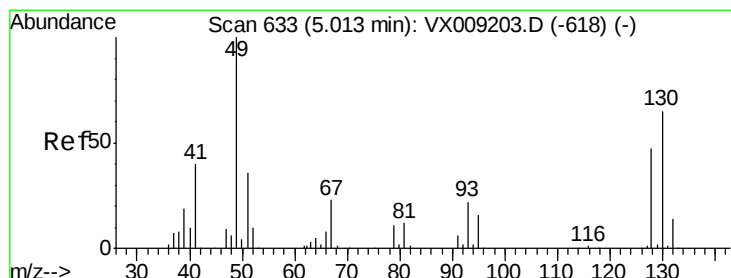
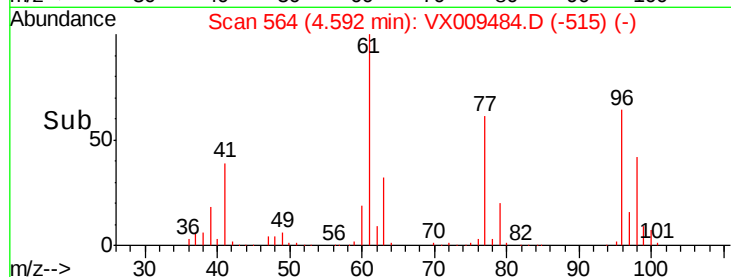
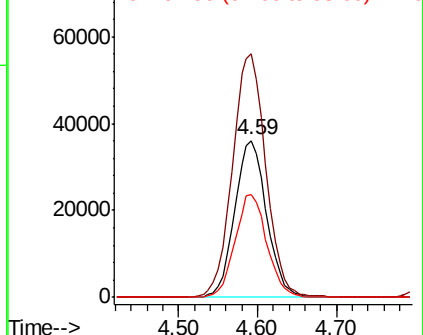
cis-1,2-Dichloroethene
Concen: 48.577 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 101451
Ion Ratio Lower Upper
96 100
61 162.1 0.0 324.0
98 65.5 0.0 130.4



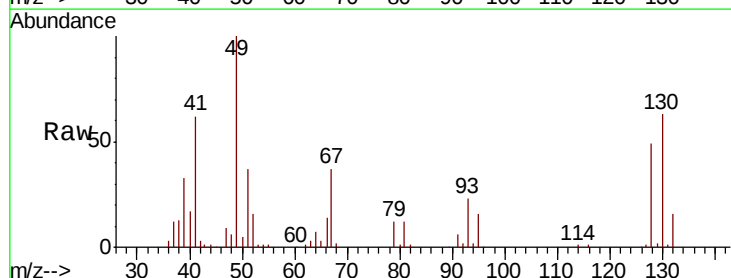
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



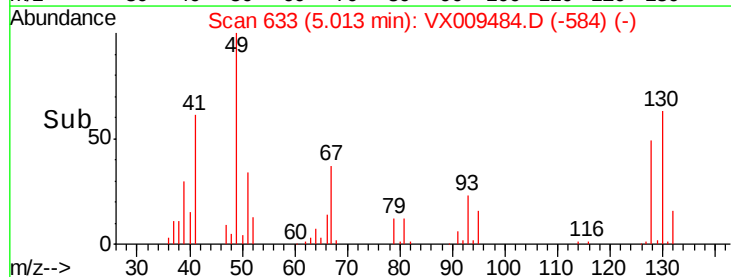
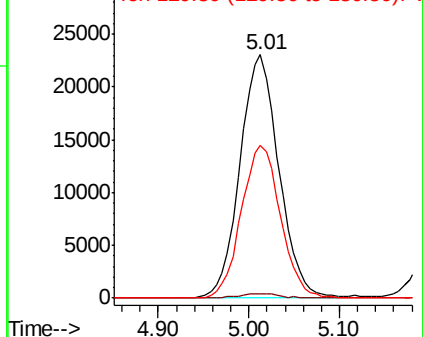
#28

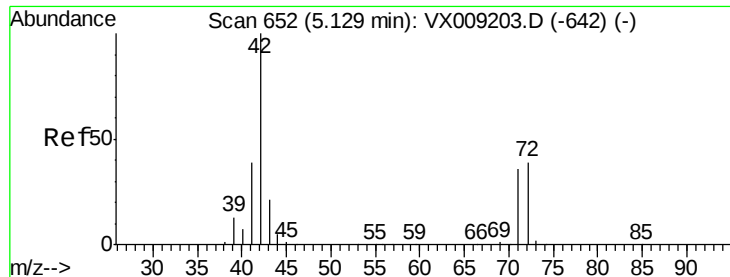
Bromochloromethane
Concen: 45.459 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Tgt Ion: 49 Resp: 68631
Ion Ratio Lower Upper
49 100
129 1.7 0.0 3.8
130 63.1 51.2 76.8



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

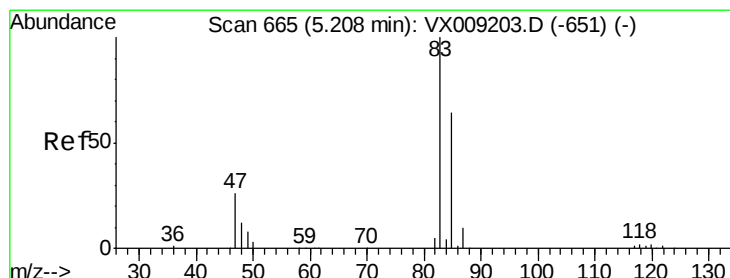
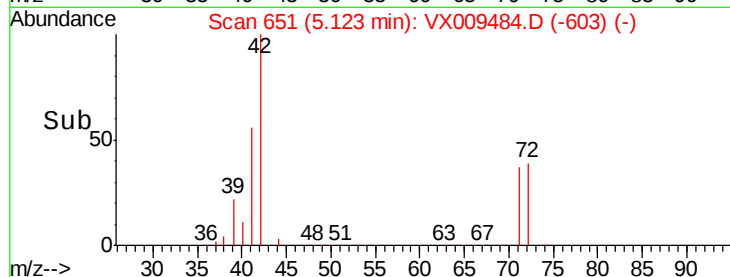
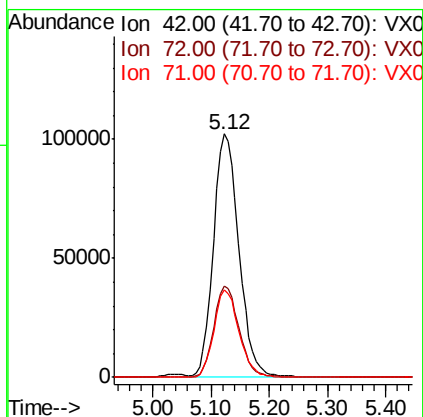
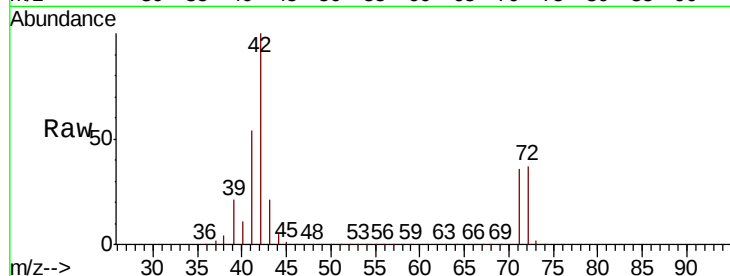




#29
Tetrahydrofuran
Concen: 245.355 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

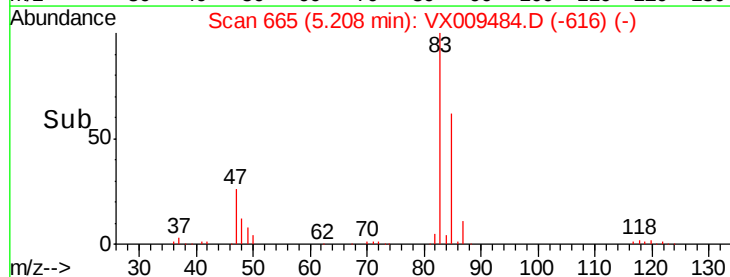
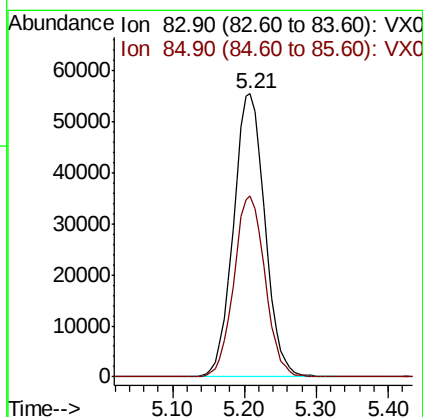
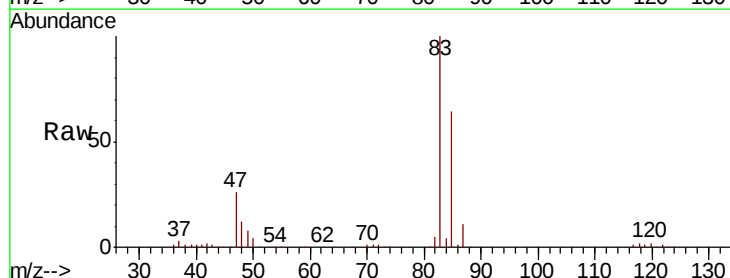
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

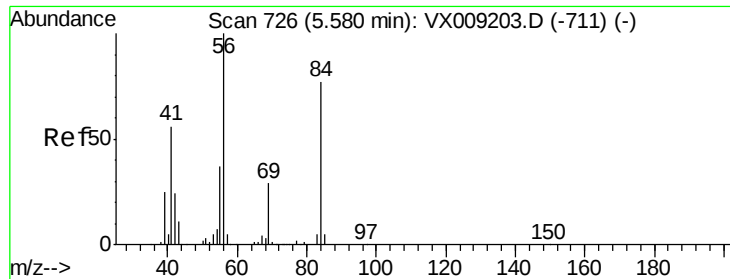
Tot Ion: 42 Resp: 309235
Ion Ratio Lower Upper
42 100
72 37.6 30.4 45.6
71 35.3 28.6 43.0



#30
Chloroform
Concen: 49.811 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Tgt Ion: 83 Resp: 168040
Ion Ratio Lower Upper
83 100
85 63.9 51.5 77.3

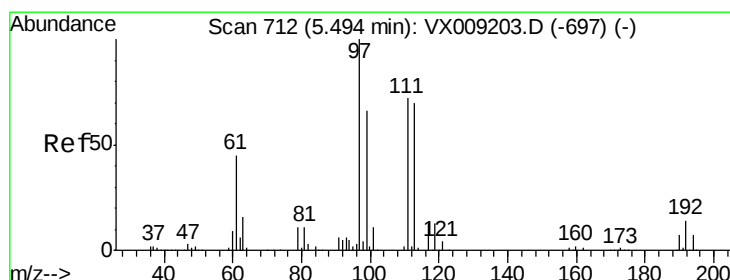
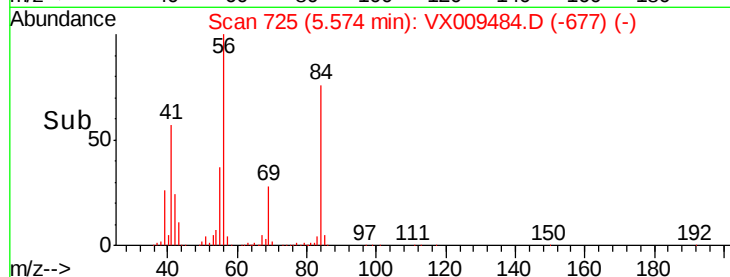
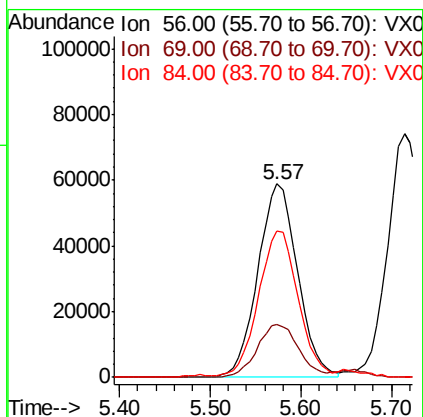
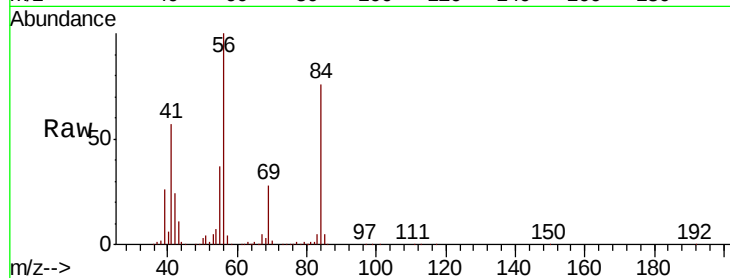




#31
Cyclohexane
Concen: 51.457 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

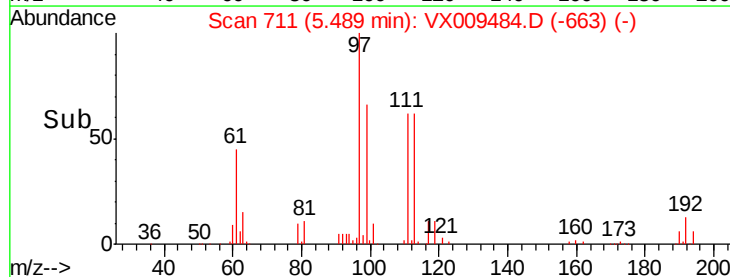
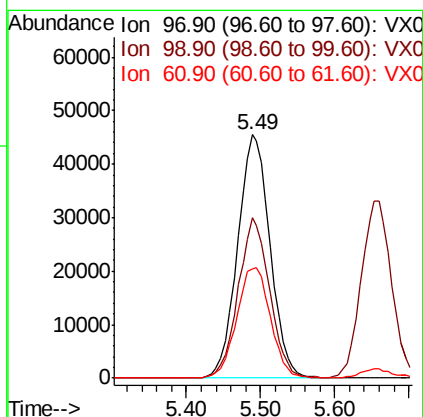
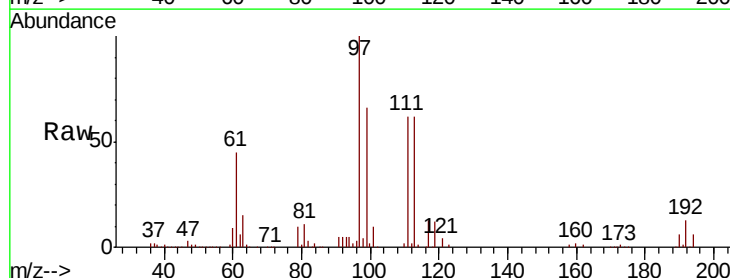
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

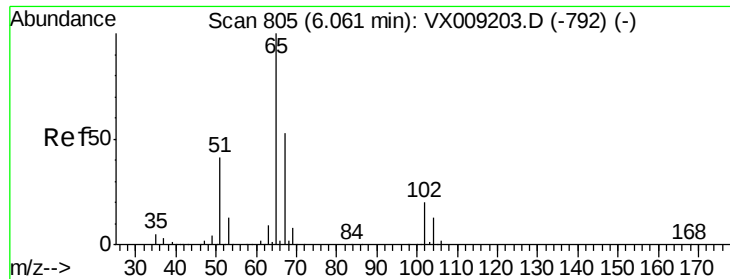
Tot Ion: 56 Resp: 178571
Ion Ratio Lower Upper
56 100
69 27.5 23.4 35.0
84 74.6 61.9 92.9



#32
1,1,1-Trichloroethane
Concen: 49.386 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Tgt Ion: 97 Resp: 138694
Ion Ratio Lower Upper
97 100
99 63.9 51.8 77.8
61 47.5 37.8 56.8





#33

1,2-Dichloroethane-d4

Concen: 47.412 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

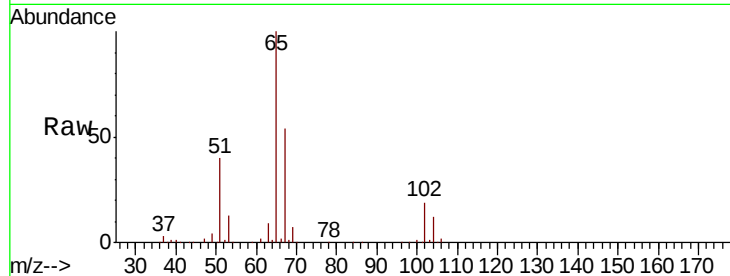
VSTDCCC050

Tot Ion: 65 Resp: 111289

Ion Ratio Lower Upper

65 100

67 54.1 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

40000

30000

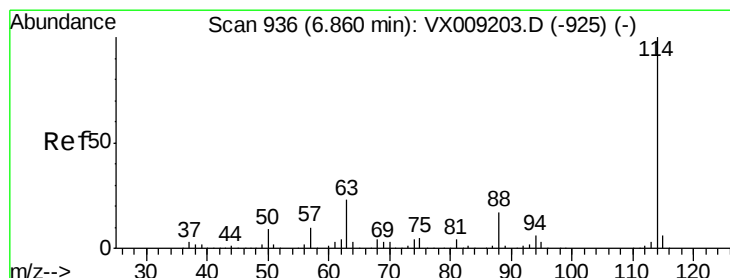
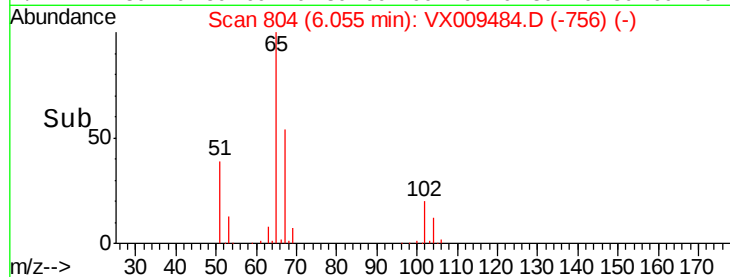
20000

10000

0

6.00 6.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

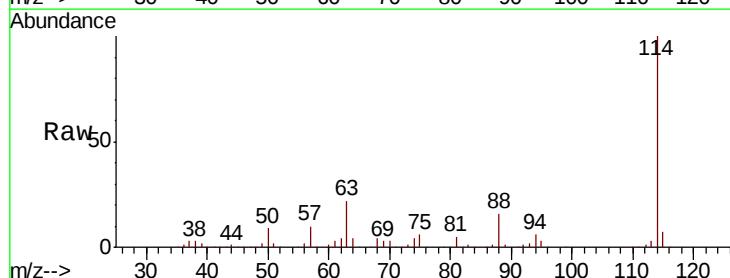
Tgt Ion: 114 Resp: 266636

Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.6

88 15.8 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

150000

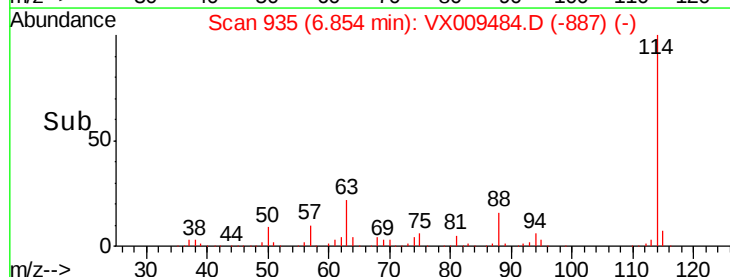
100000

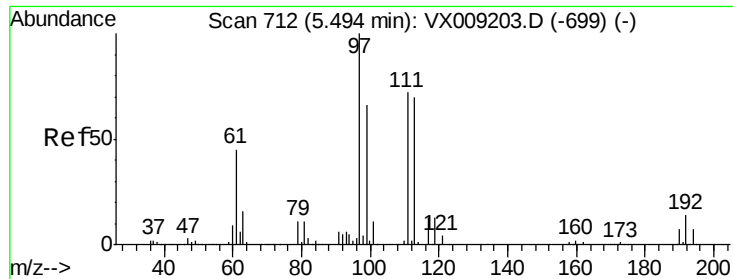
50000

0

6.70 6.80 6.90 7.00

Time-->

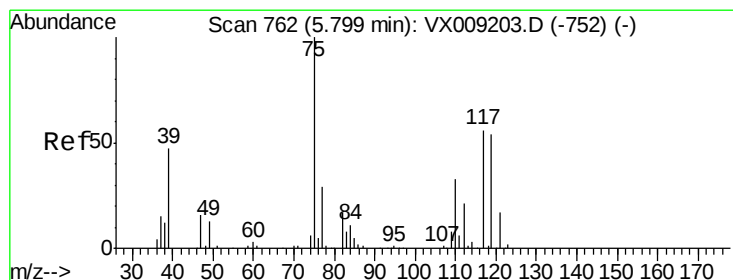
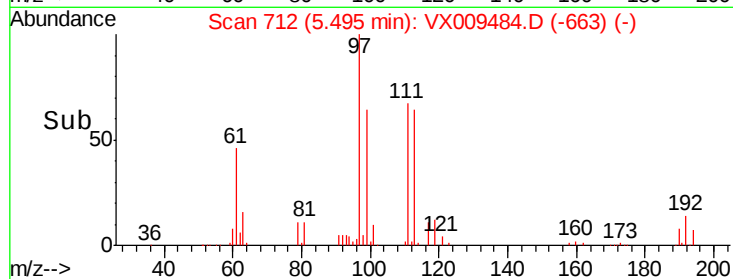
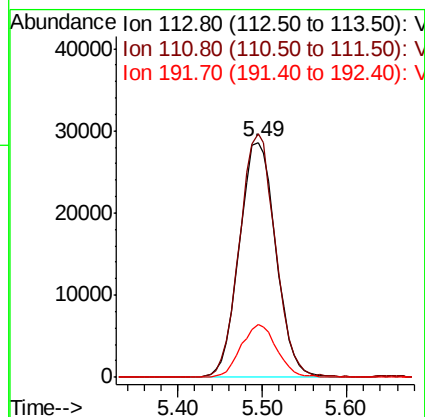
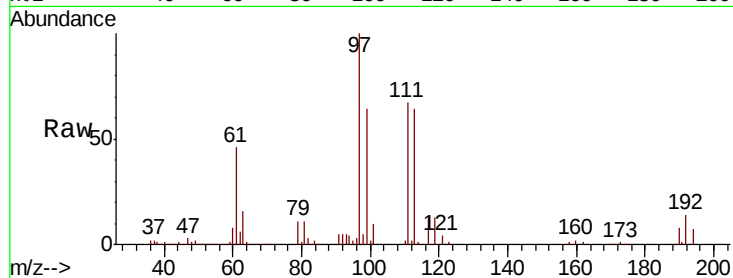




#35
 Dibromofluoromethane
 Concen: 50.144 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

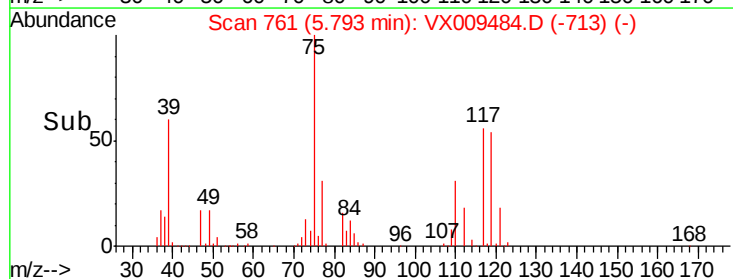
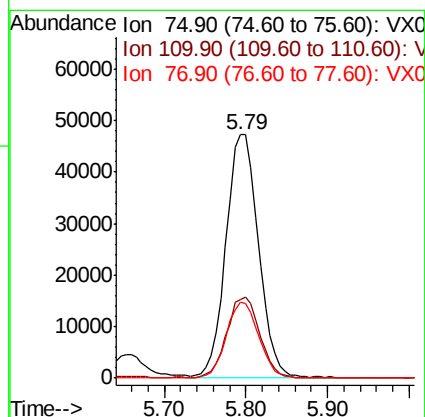
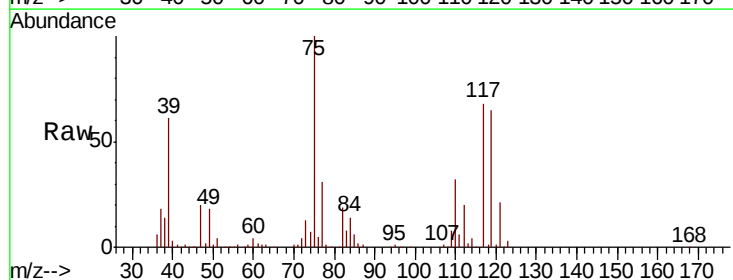
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

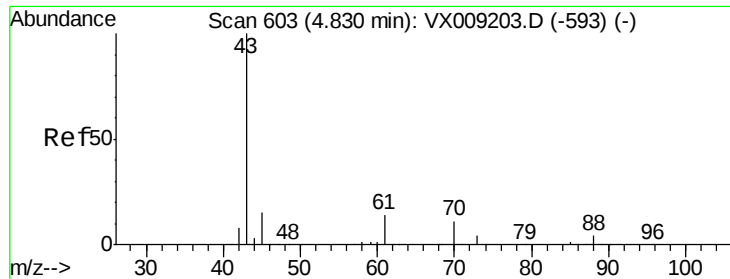
Tot Ion:113 Resp: 84050
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.8 124.2
 192 21.9 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 52.474 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

Tgt Ion: 75 Resp: 130025
 Ion Ratio Lower Upper
 75 100
 110 33.8 16.9 50.6
 77 31.2 24.8 37.2





#37

Ethyl Acetate

Concen: 51.574 ug/l

RT: 4.83 min Scan# 603

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

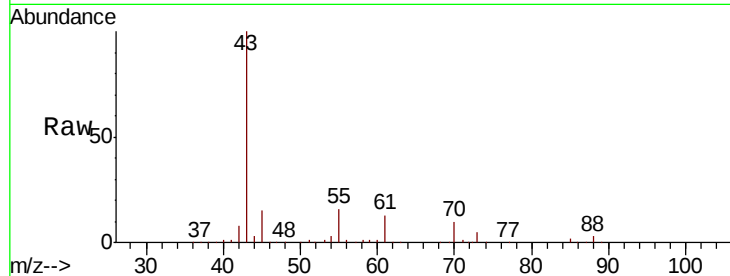
Tot Ion: 43 Resp: 178056

Ion Ratio Lower Upper

43 100

61 13.2 10.5 15.7

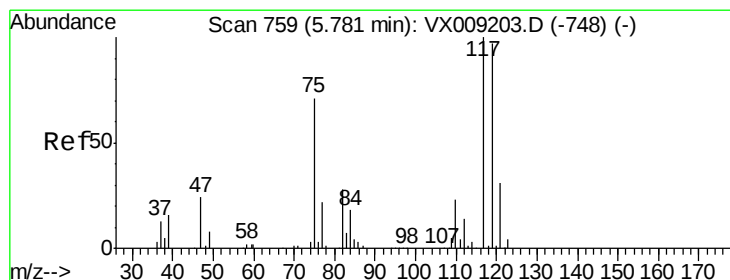
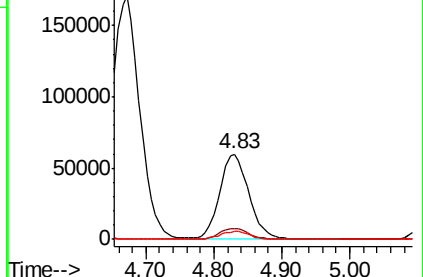
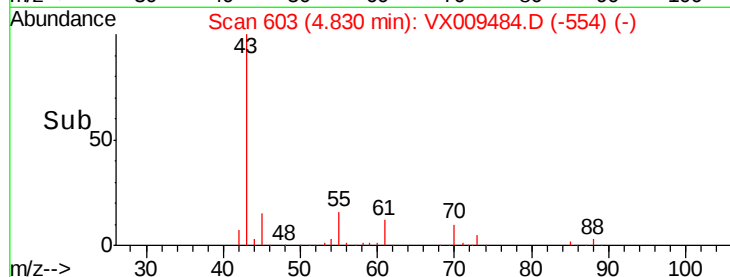
70 9.4 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VX009484.D (-554) (-)

Ion 60.90 (60.60 to 61.60): VX009484.D (-554) (-)

Ion 70.00 (69.70 to 70.70): VX009484.D (-554) (-)



#38

Carbon Tetrachloride

Concen: 52.409 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

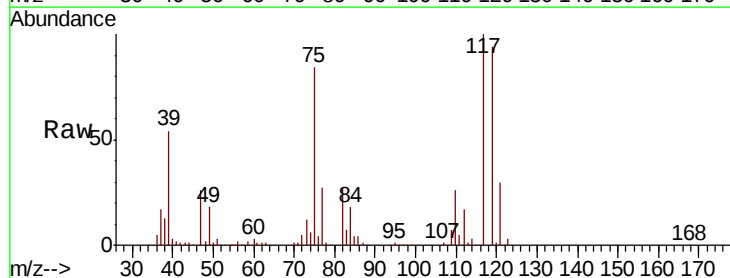
Tgt Ion: 117 Resp: 117989

Ion Ratio Lower Upper

117 100

119 94.1 77.5 116.3

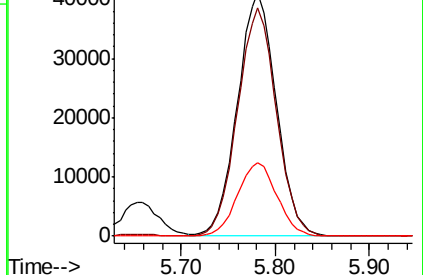
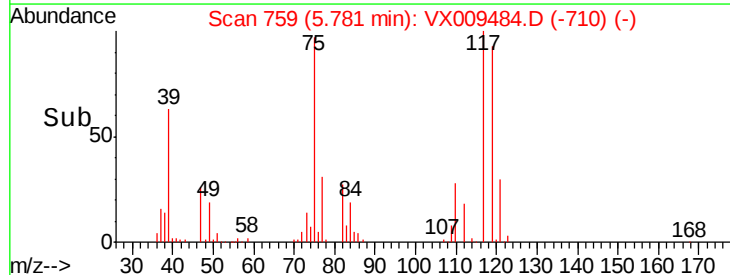
121 30.2 24.7 37.1

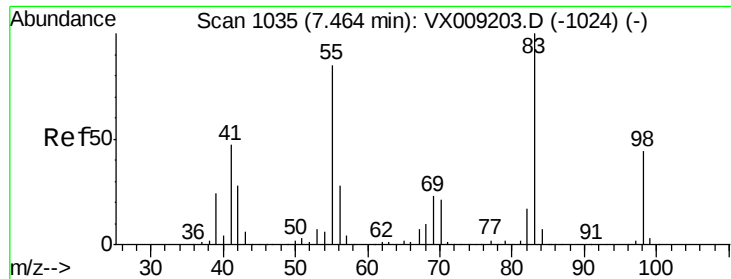


Abundance Ion 116.80 (116.50 to 117.50): VX009484.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX009484.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX009484.D (-710) (-)

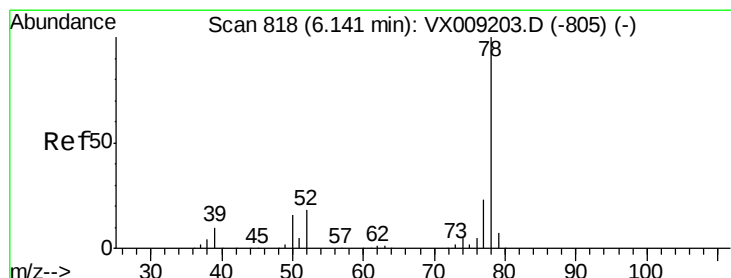
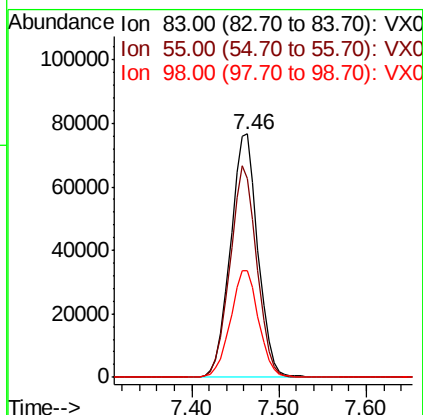
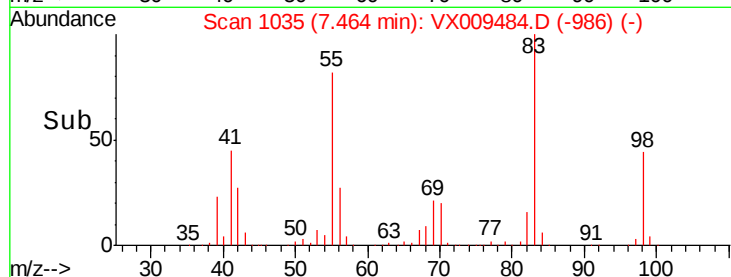
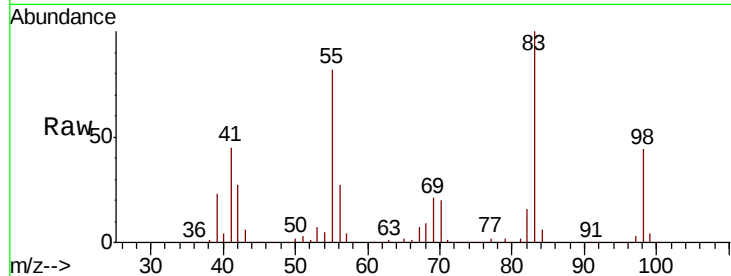




#39
Methvlcvclohexane
Concen: 54.891 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

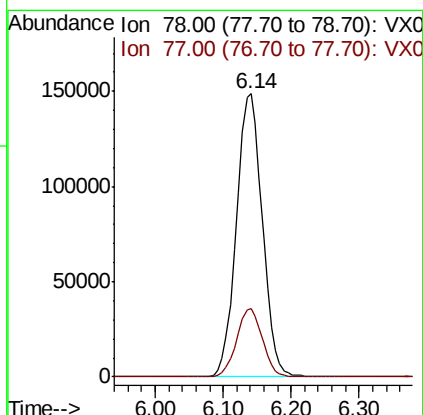
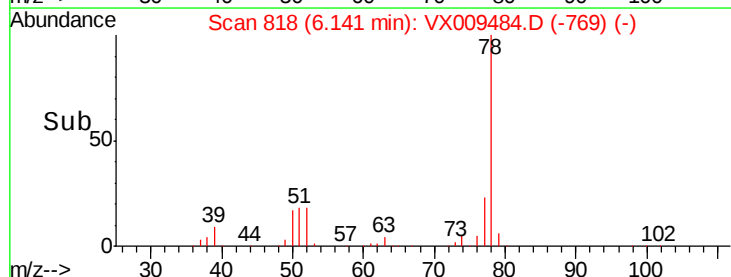
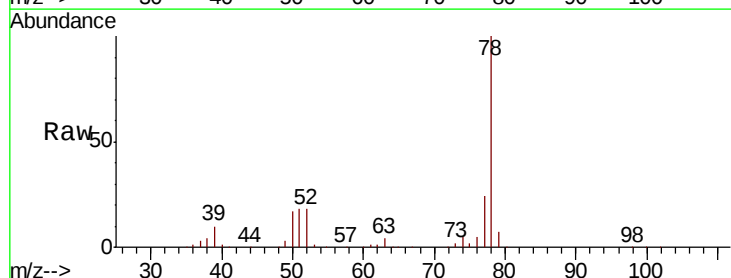
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

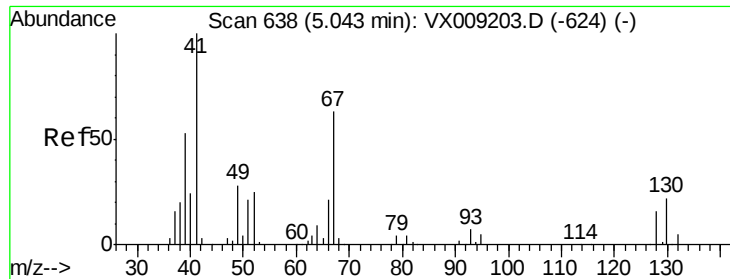
Tot Ion: 83 Resp: 167038
Ion Ratio Lower Upper
83 100
55 81.6 67.7 101.5
98 43.8 35.5 53.3



#40
Benzene
Concen: 51.311 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Tgt Ion: 78 Resp: 393489
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2

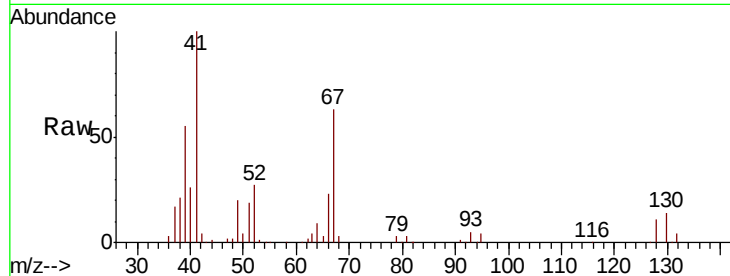




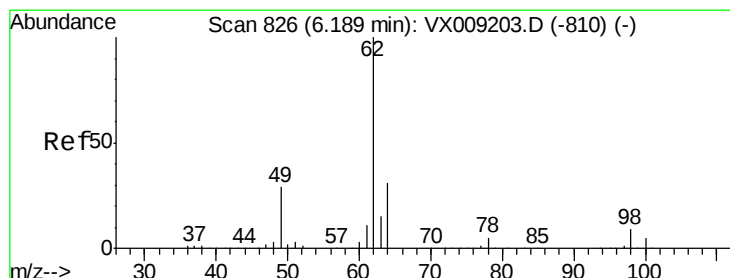
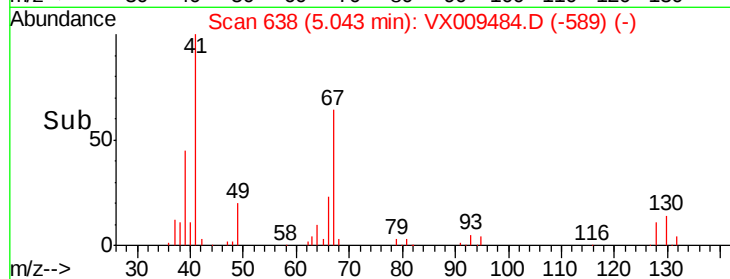
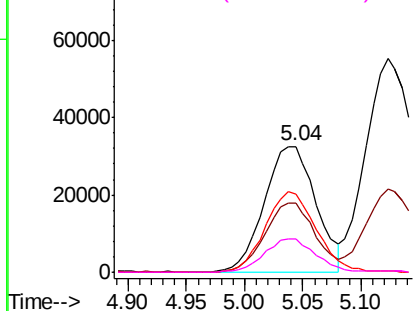
#41
Methacrylonitrile
Concen: 48.509 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	99693
Ion	Ratio	Lower	Upper
41	100		
39	53.3	42.0	63.0
67	63.5	49.8	74.8
52	26.2	20.3	30.5

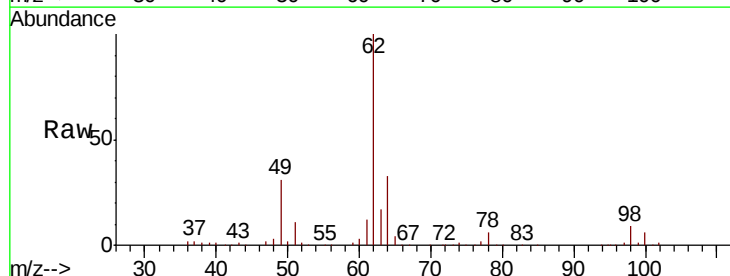


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

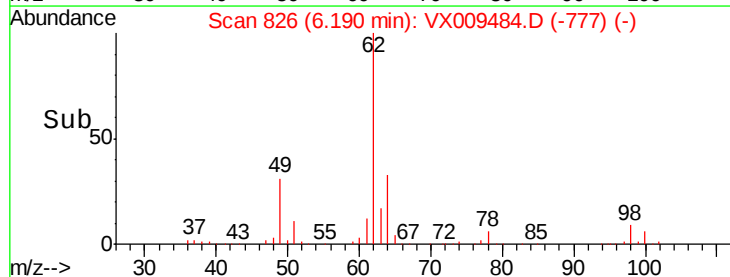
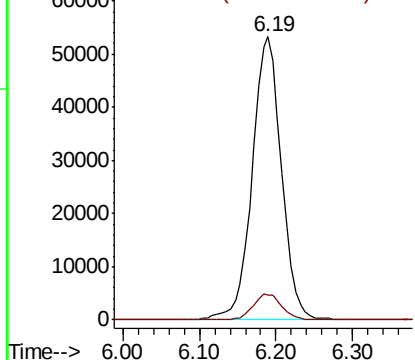


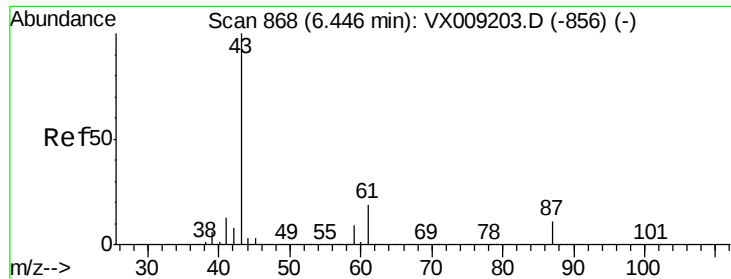
#42
1,2-Dichloroethane
Concen: 51.573 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Tgt Ion:	62	Resp:	141871
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2



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



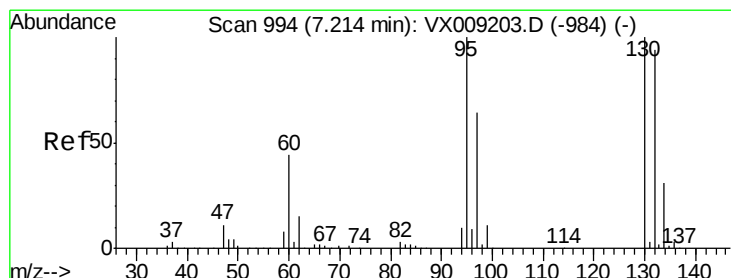
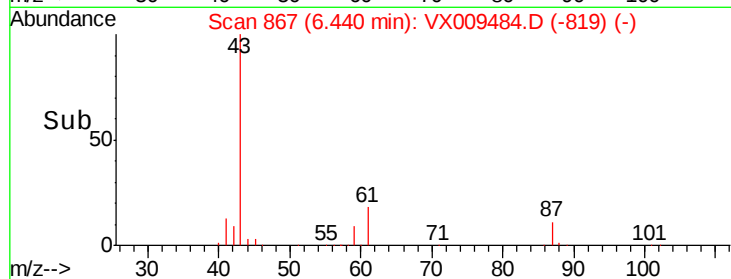
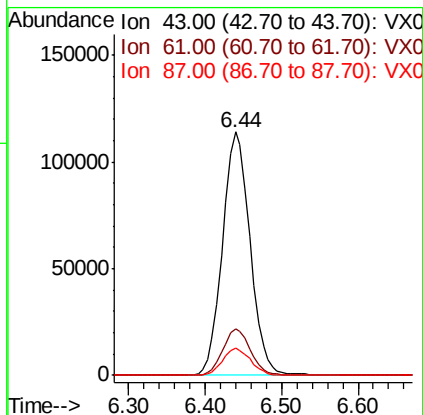
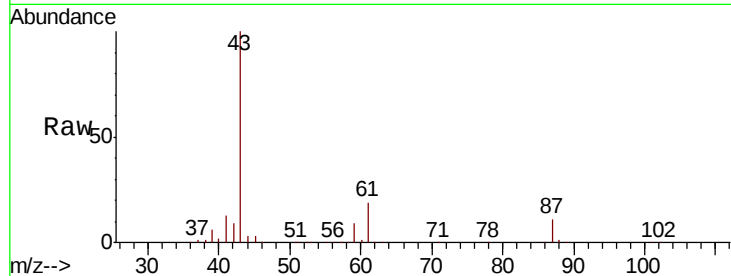


#43

Isopropyl Acetate
 Concen: 51.307 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

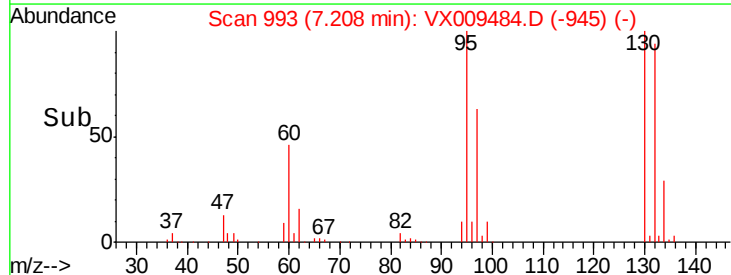
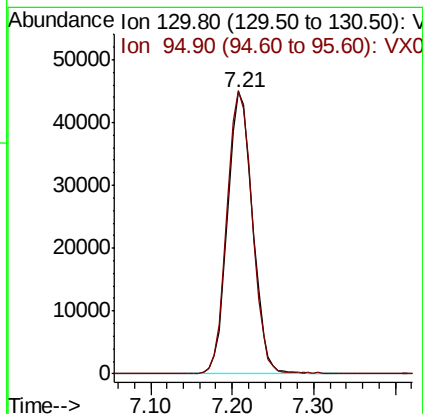
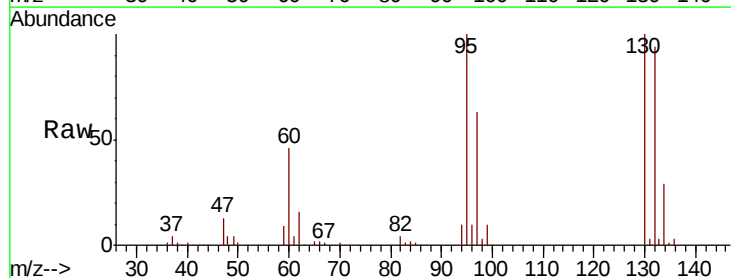
Tot Ion: 43 Resp: 283336
 Ion Ratio Lower Upper
 43 100
 61 19.2 15.1 22.7
 87 11.3 9.0 13.6

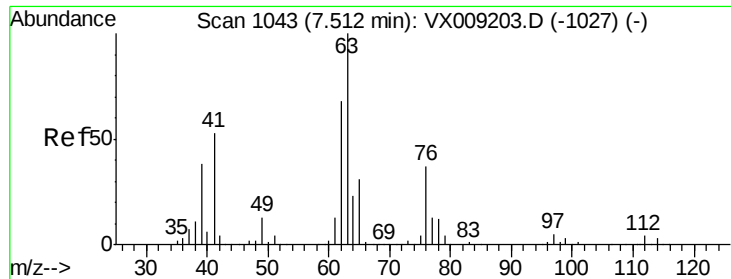


#44

Trichloroethene
 Concen: 51.332 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

Tgt Ion: 130 Resp: 95164
 Ion Ratio Lower Upper
 130 100
 95 100.4 0.0 199.2

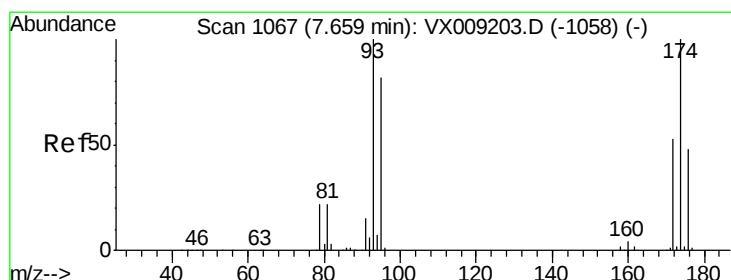
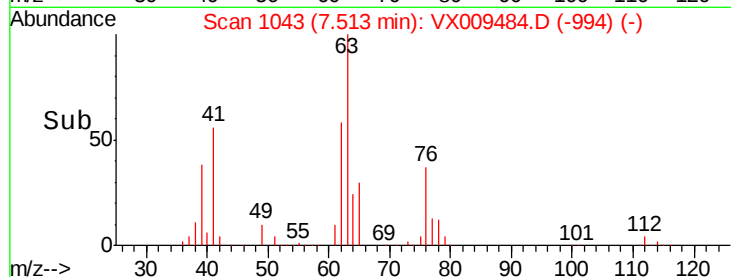
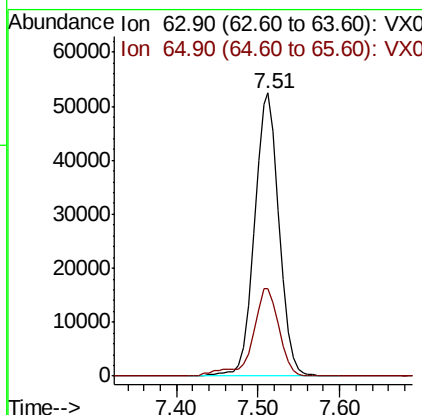
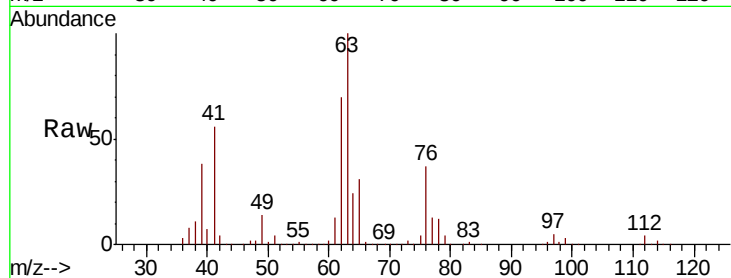




#45
 1,2-Dichloropropane
 Concen: 50.886 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

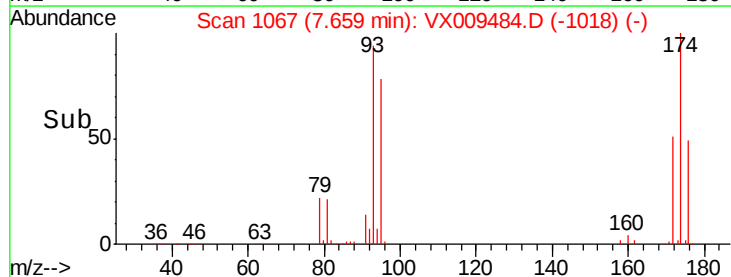
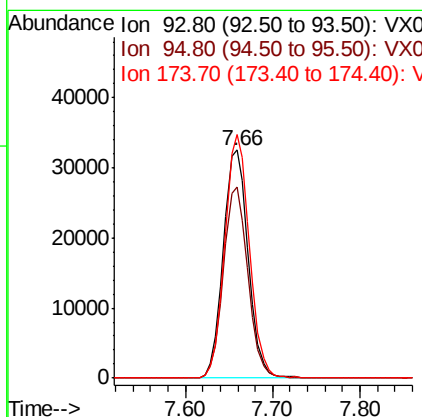
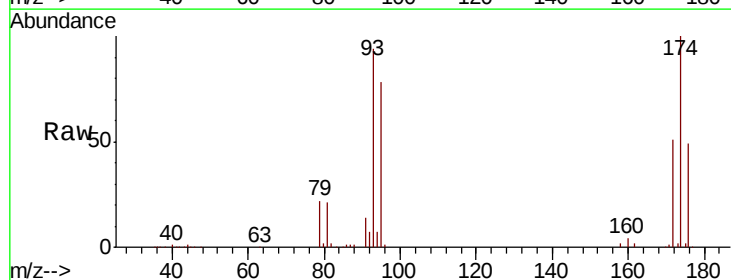
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

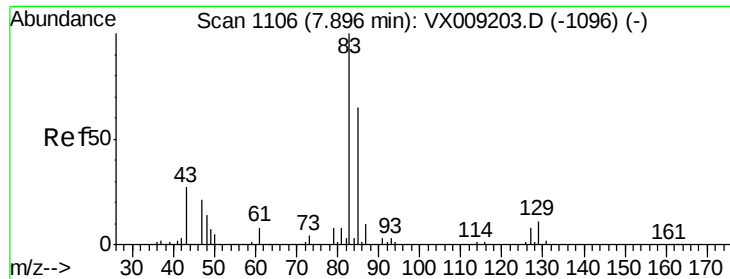
Tot Ion: 63 Resp: 110496
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.0 37.6



#46
 Dibromomethane
 Concen: 51.015 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

Tgt Ion: 93 Resp: 64329
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.5 99.7
 174 105.0 82.1 123.1





#47

Bromodichloromethane

Concen: 51.216 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

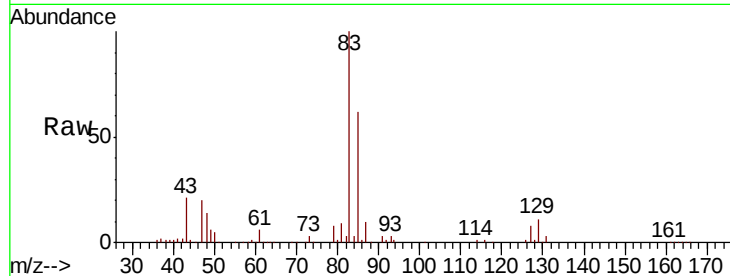
Tot Ion: 83 Resp: 128824

Ion Ratio Lower Upper

83 100

85 62.4 52.4 78.6

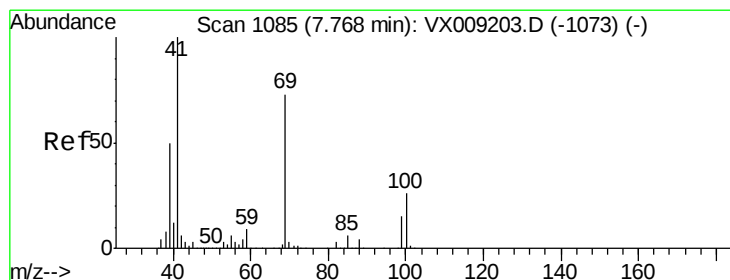
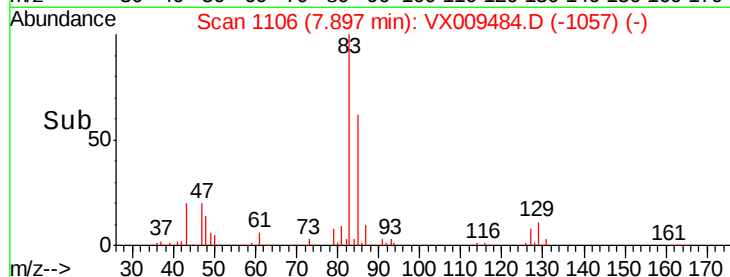
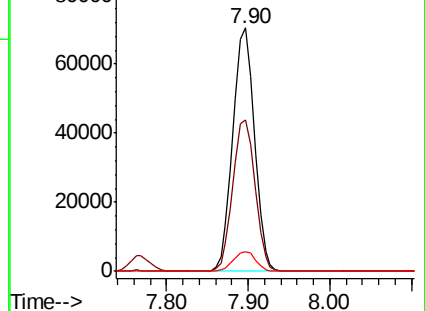
127 8.2 6.6 10.0



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: 52.200 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

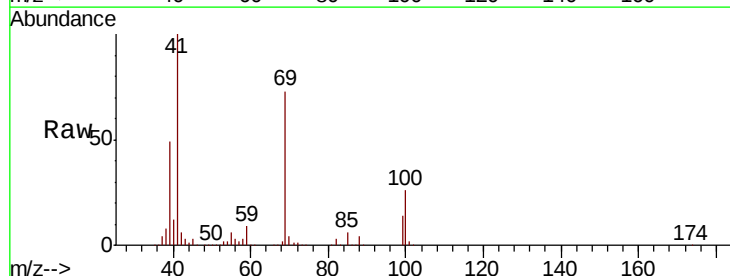
Tgt Ion: 41 Resp: 143015

Ion Ratio Lower Upper

41 100

69 72.7 59.1 88.7

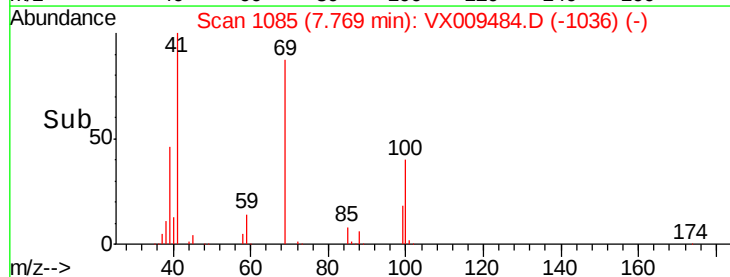
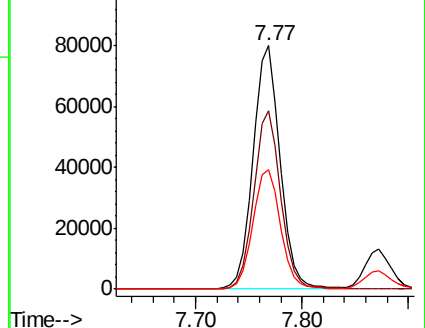
39 49.9 40.4 60.6

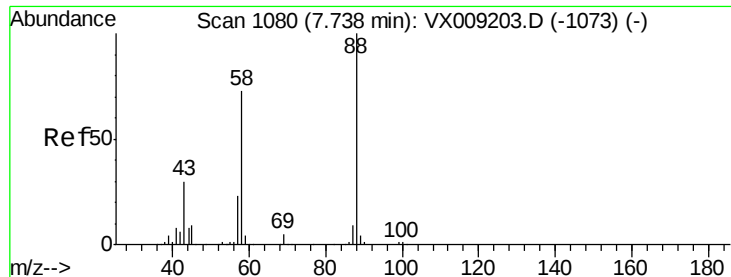


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

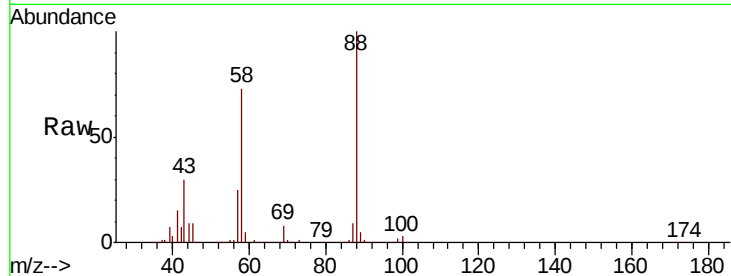




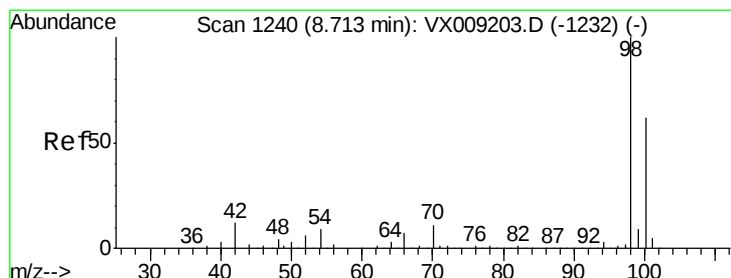
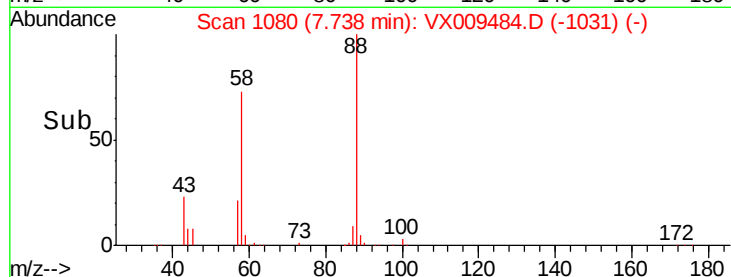
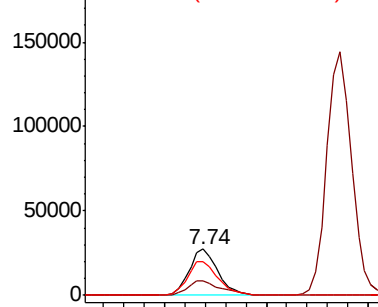
#49
1,4-Dioxane
Concen: 973.001 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 54062
Ion Ratio Lower Upper
88 100
43 37.6 28.6 42.8
58 77.9 61.7 92.5

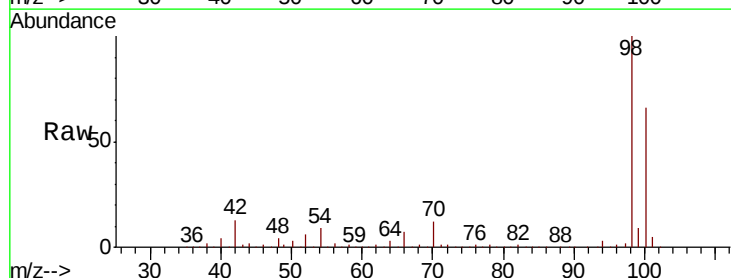


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

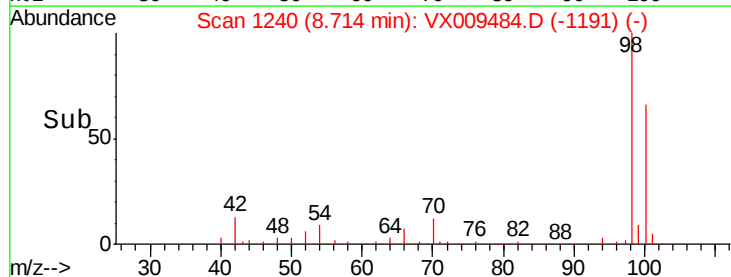
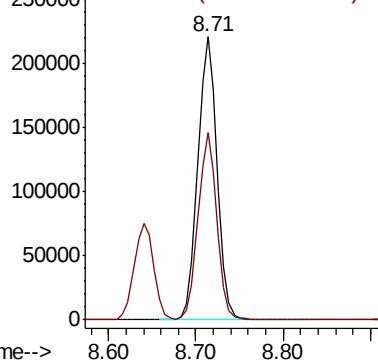


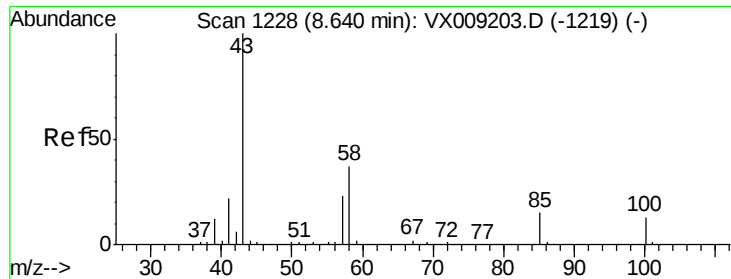
#50
Toluene-d8
Concen: 49.643 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Tgt Ion: 98 Resp: 335940
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 255.903 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

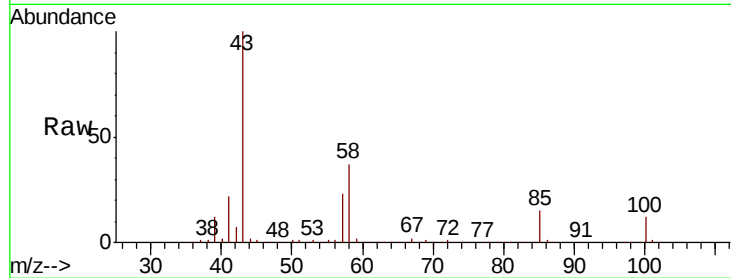
VSTDCCC050

Tot Ion: 43 Resp: 923687

Ion Ratio Lower Upper

43 100

58 37.2 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

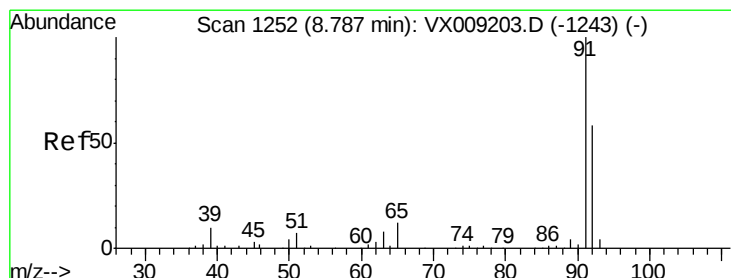
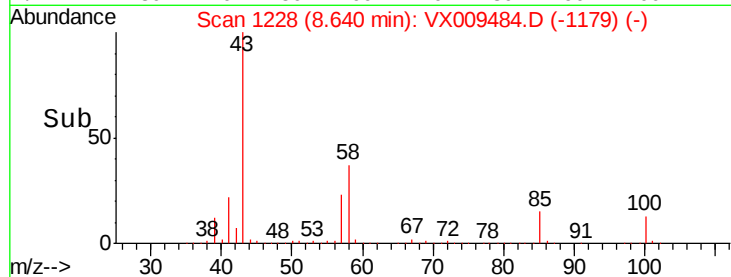
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 52.270 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009484.D

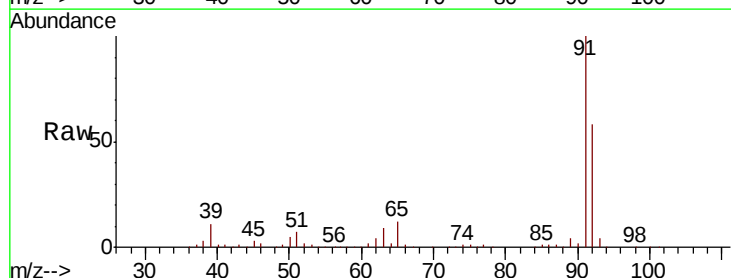
Acq: 10 May 2019 16:05

Tgt Ion: 92 Resp: 243659

Ion Ratio Lower Upper

92 100

91 172.9 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

300000

250000

200000

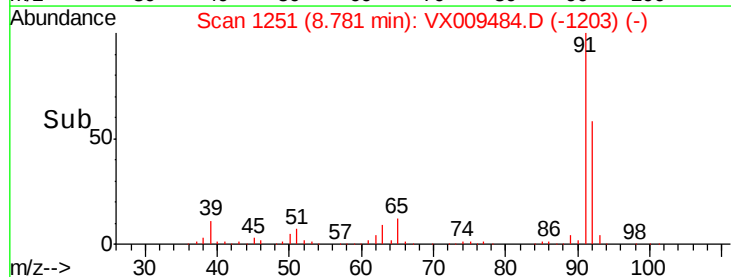
150000

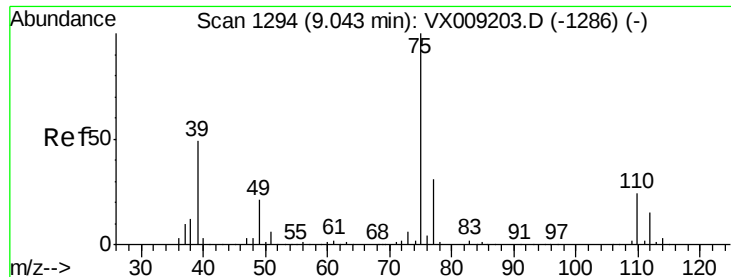
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.455 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

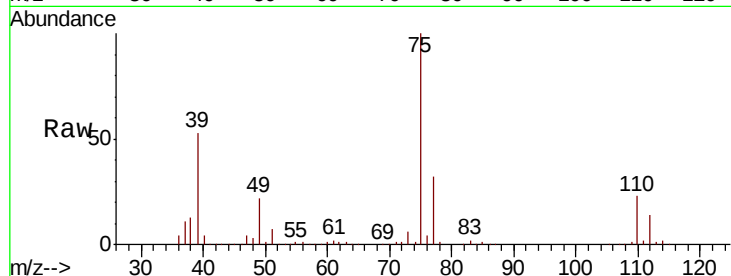
VSTDCCC050

Tot Ion: 75 Resp: 151801

Ion Ratio Lower Upper

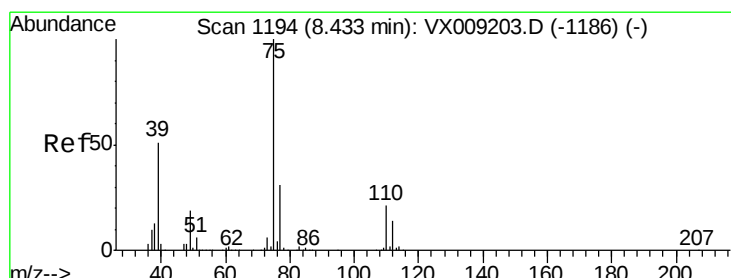
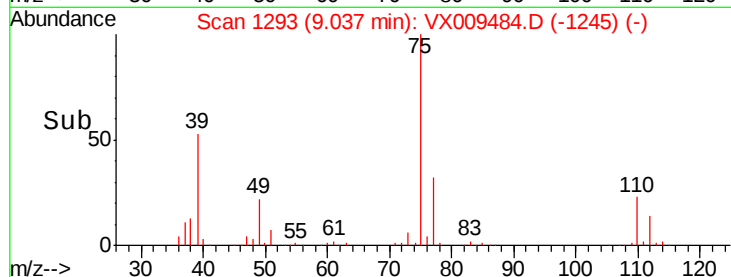
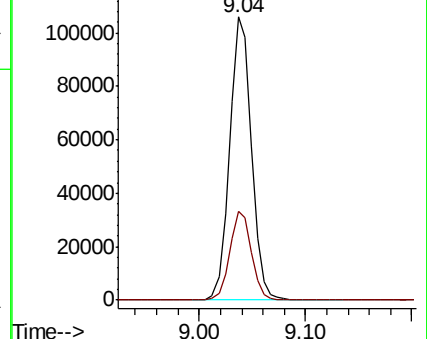
75 100

77 31.5 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 53.622 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

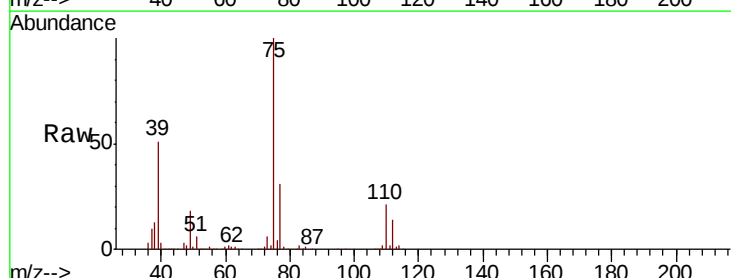
Tgt Ion: 75 Resp: 168547

Ion Ratio Lower Upper

75 100

77 31.4 24.6 36.8

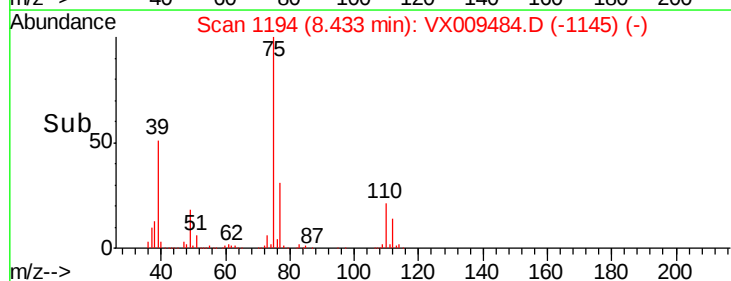
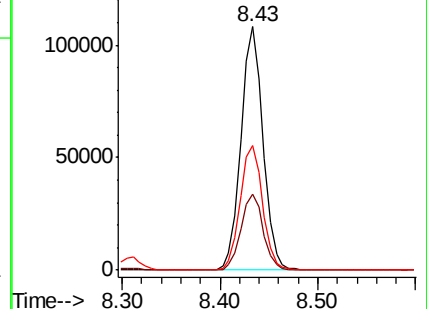
39 51.1 40.6 60.8

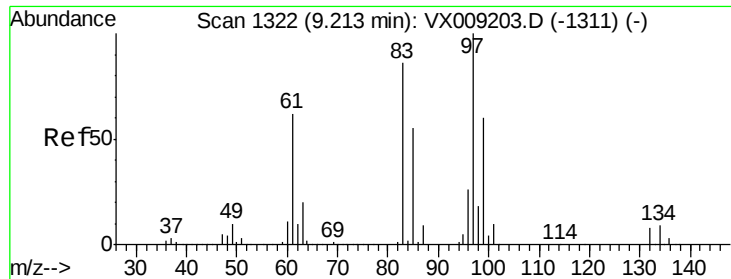


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

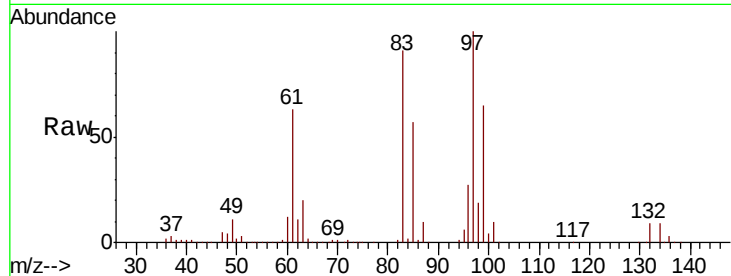




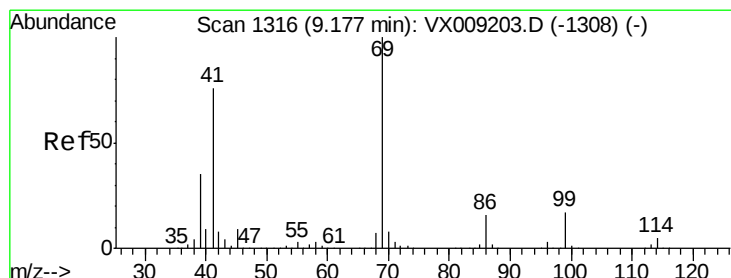
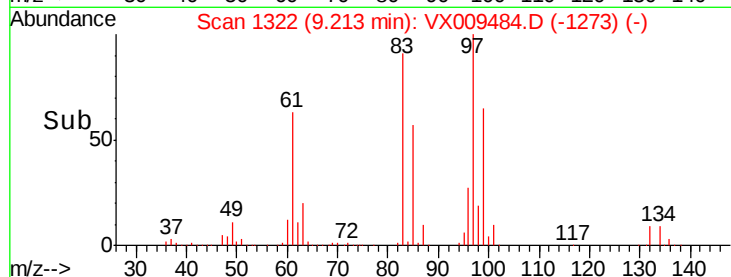
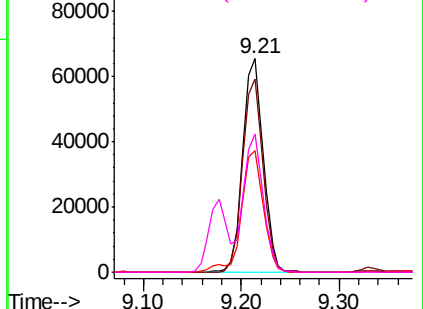
#55
 1,1,2-Trichloroethane
 Concen: 50.661 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	96347
Ion	Ratio	Lower	Upper
97	100		
83	90.5	68.9	103.3
85	56.8	43.8	65.6
99	64.6	48.2	72.2

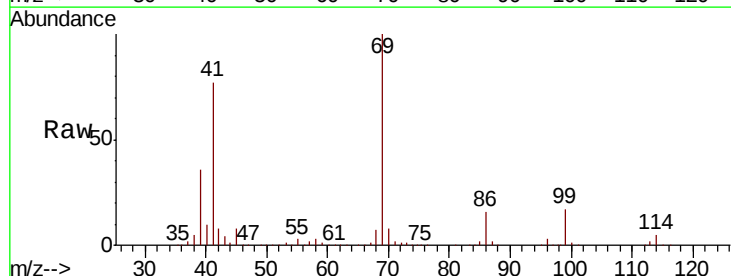


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

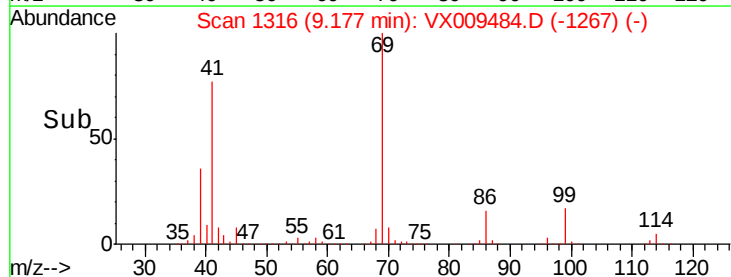
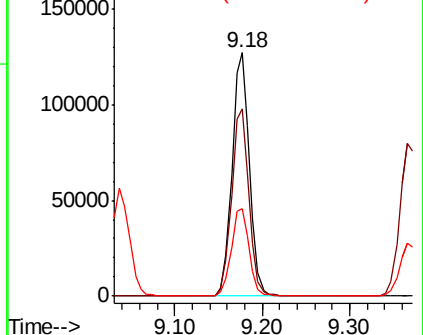


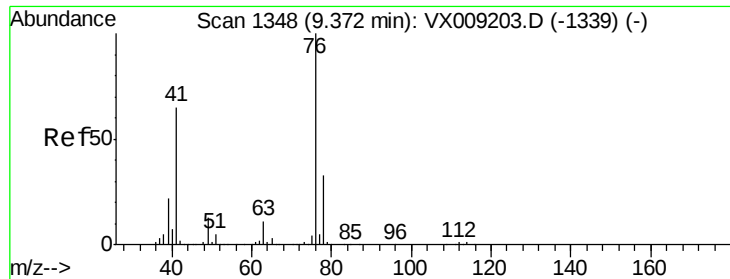
#56
 Ethyl methacrylate
 Concen: 51.982 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

Tgt Ion:	69	Resp:	176466
Ion	Ratio	Lower	Upper
69	100		
41	76.5	60.6	90.8
39	36.8	28.2	42.4



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: 50.867 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

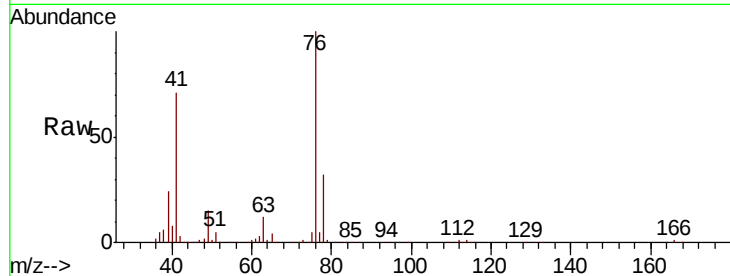
VSTDCCC050

Tot Ion: 76 Resp: 170235

Ion Ratio Lower Upper

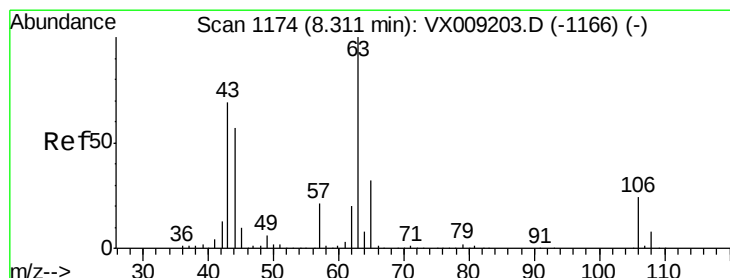
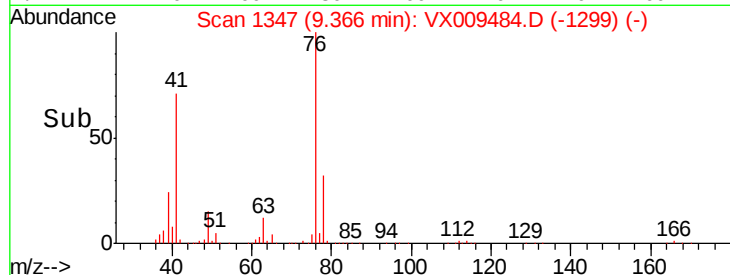
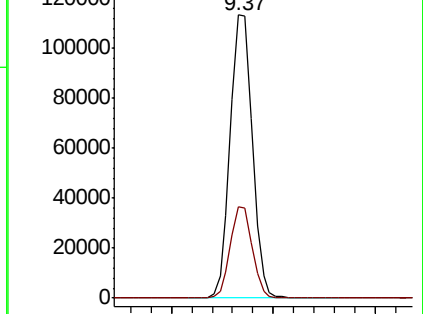
76 100

78 31.9 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 241.722 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009484.D

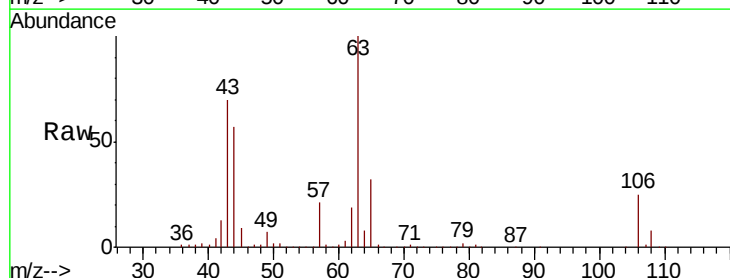
Acq: 10 May 2019 16:05

Tgt Ion: 63 Resp: 435323

Ion Ratio Lower Upper

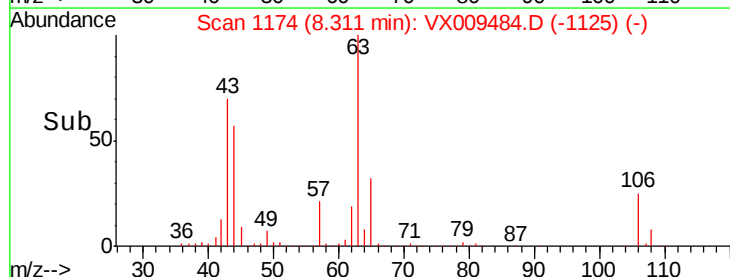
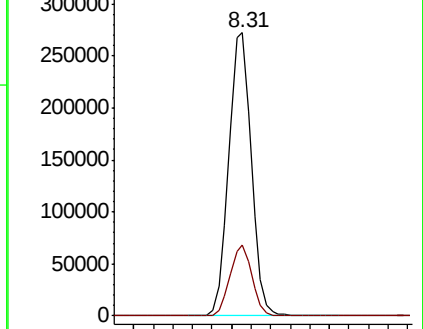
63 100

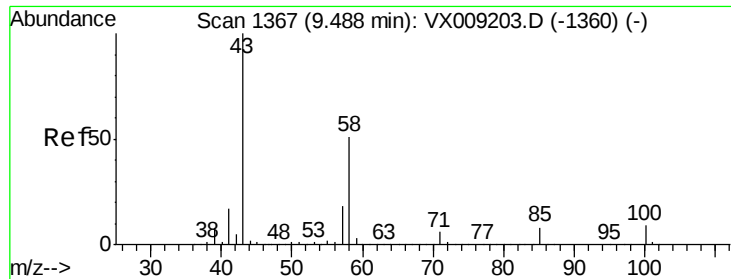
106 24.6 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

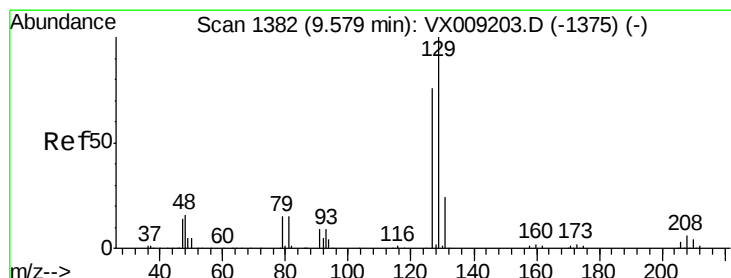
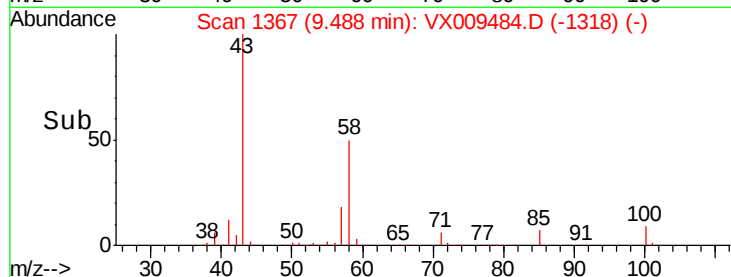
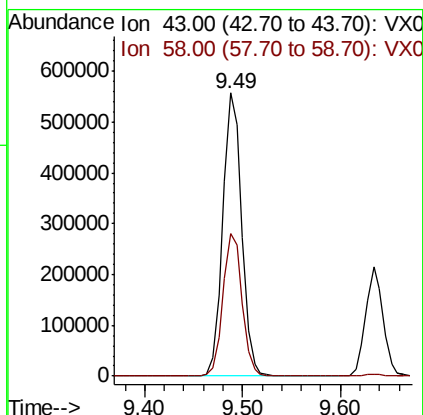
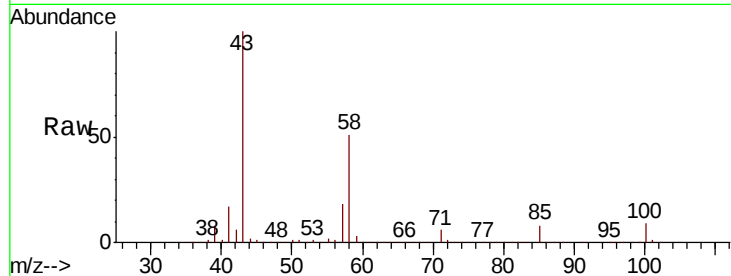




#59
2-Hexanone
Concen: 263.127 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

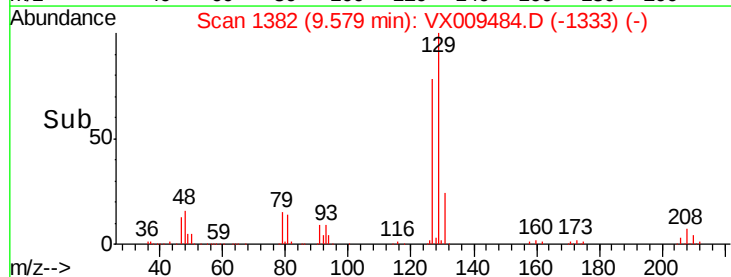
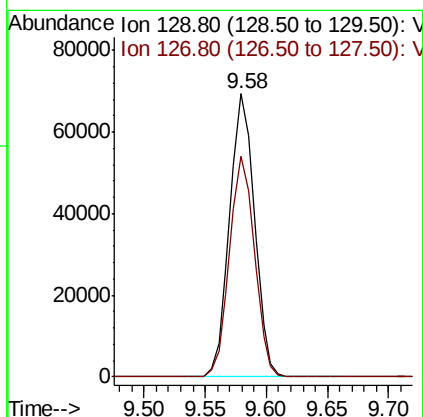
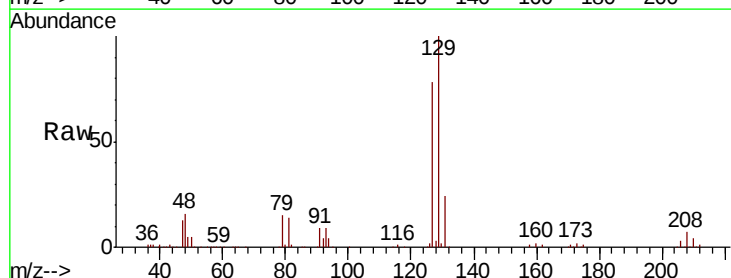
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

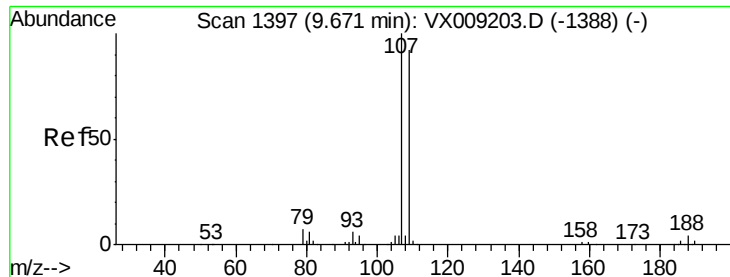
Tot Ion: 43 Resp: 745931
Ion Ratio Lower Upper
43 100
58 51.0 25.9 77.7



#60
Dibromochloromethane
Concen: 52.746 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Tgt Ion: 129 Resp: 97972
Ion Ratio Lower Upper
129 100
127 78.0 38.4 115.1





#61

1,2-Dibromoethane

Concen: 51.862 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

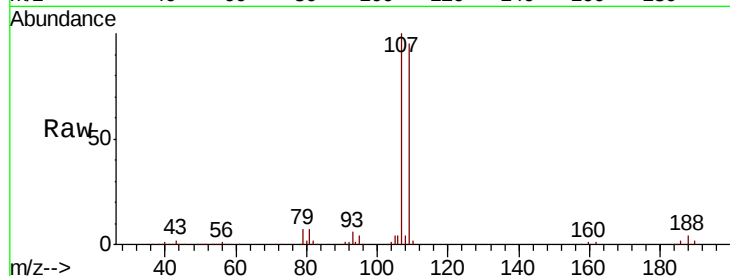
VSTDCCC050

Tot Ion:107 Resp: 99560

Ion Ratio Lower Upper

107 100

109 94.7 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

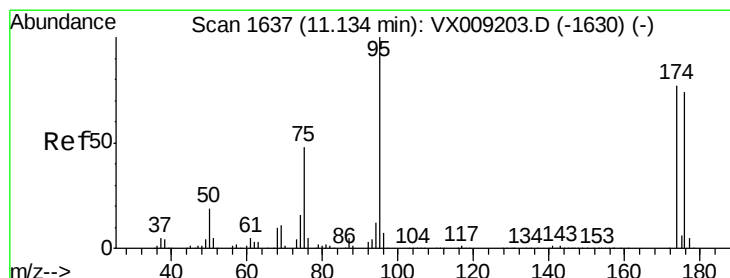
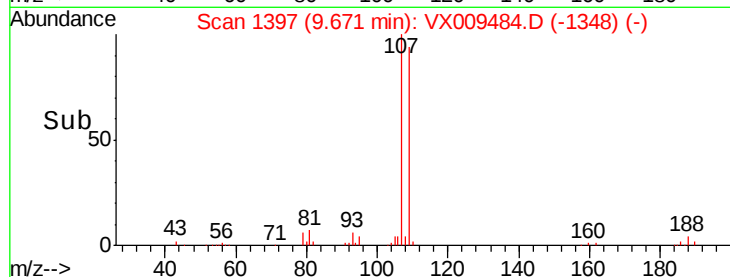
40000

20000

0

Time-->

9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 50.994 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

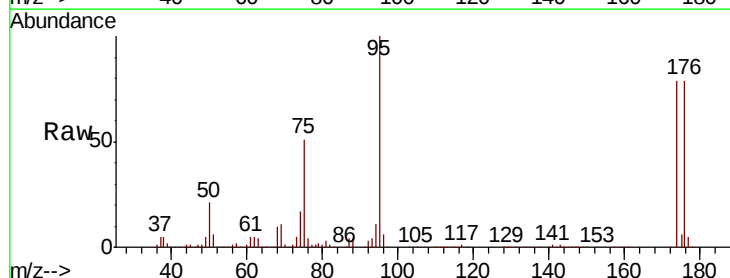
Tgt Ion: 95 Resp: 125391

Ion Ratio Lower Upper

95 100

174 83.4 0.0 161.6

176 81.5 0.0 159.2



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

11.13

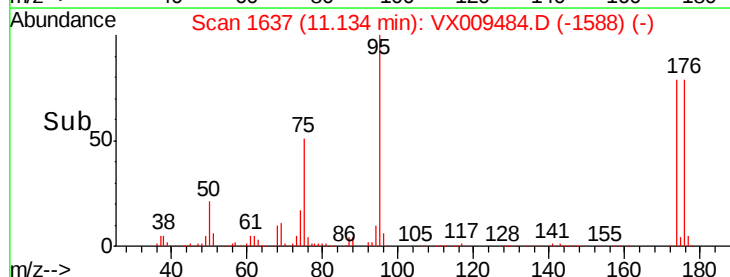
100000

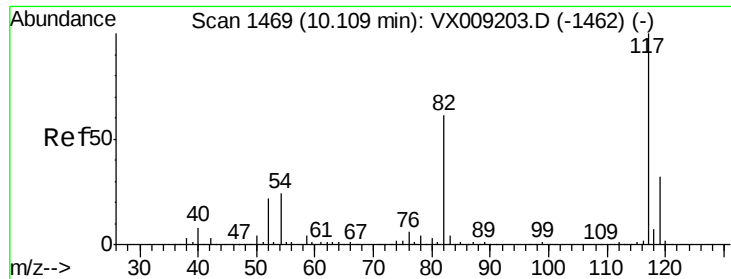
50000

0

Time-->

11.10 11.20

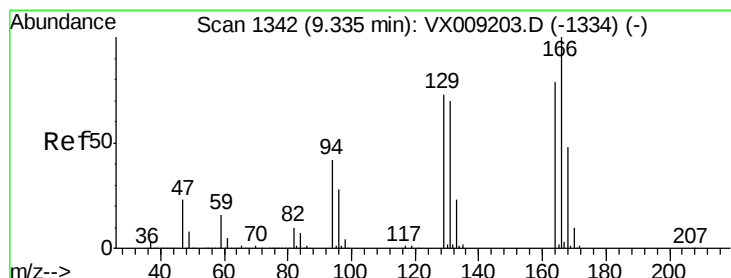
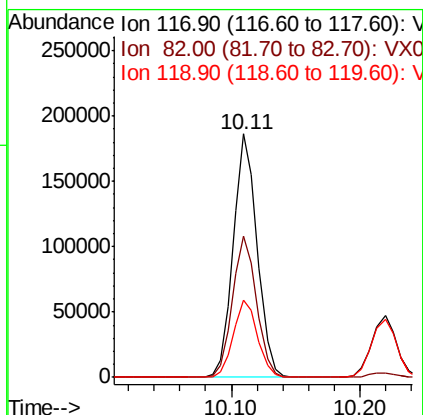
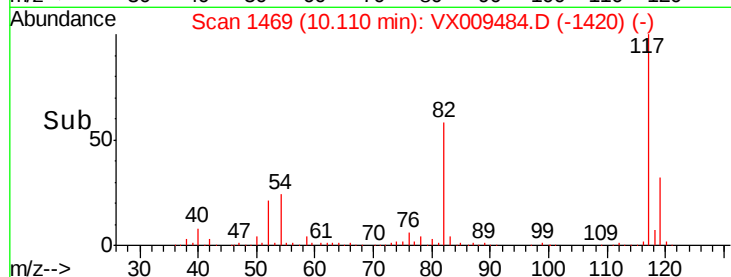
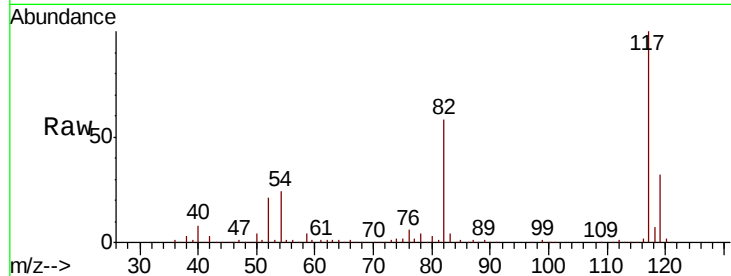




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

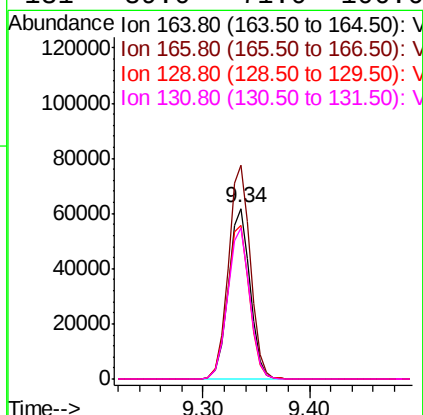
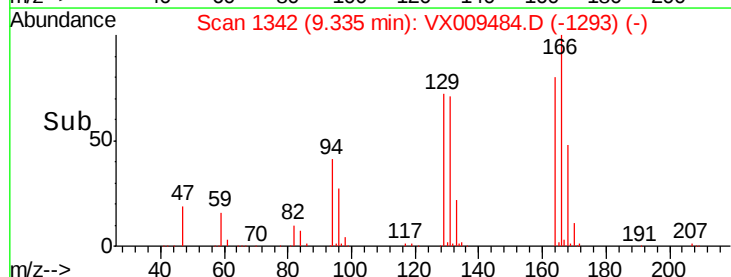
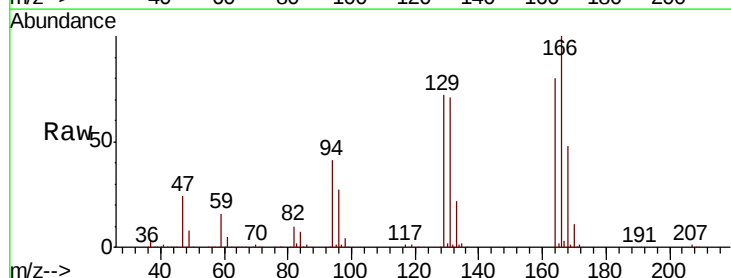
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

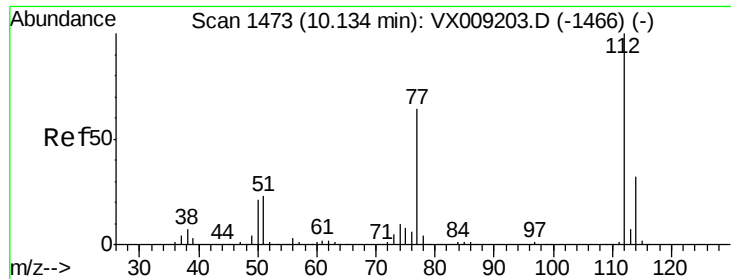
Tot Ion:117 Resp: 241128
Ion Ratio Lower Upper
117 100
82 58.2 48.8 73.2
119 31.6 25.8 38.6



#64
Tetrachloroethene
Concen: 53.228 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Tgt Ion:164 Resp: 88040
Ion Ratio Lower Upper
164 100
166 125.2 101.2 151.8
129 90.4 74.3 111.5
131 89.0 71.0 106.6

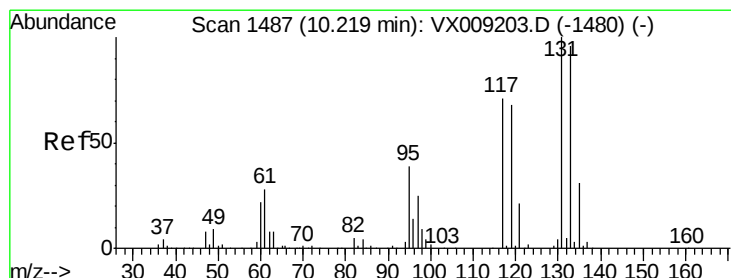
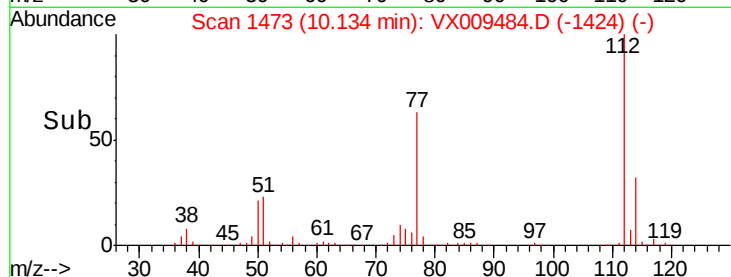
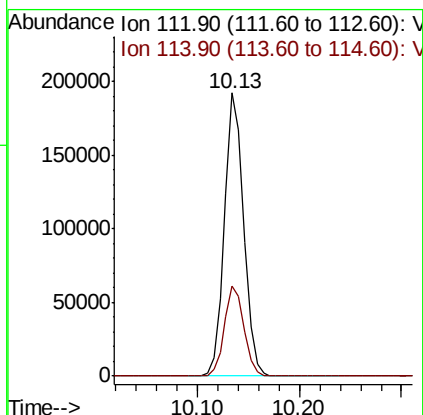
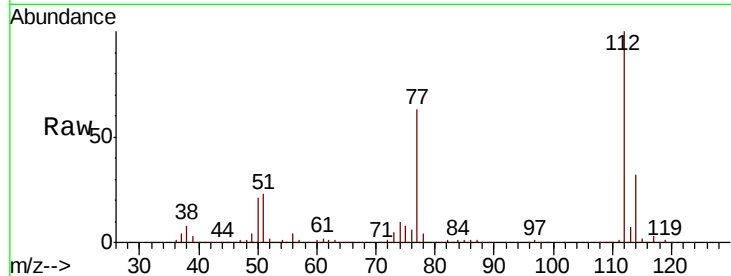




#65
Chlorobenzene
Concen: 52.133 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

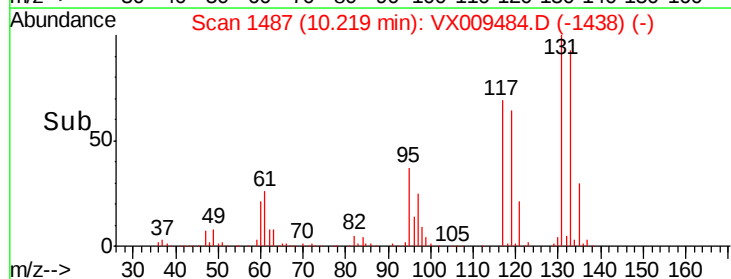
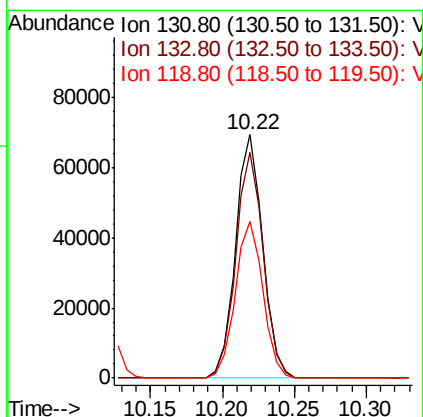
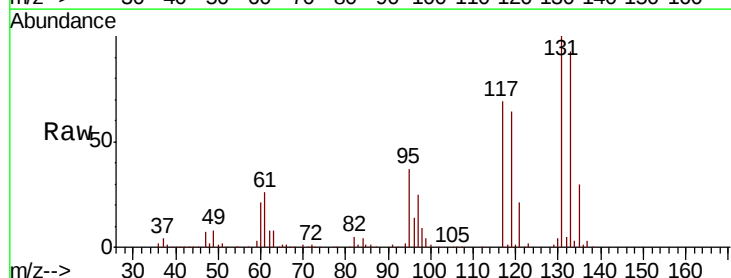
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

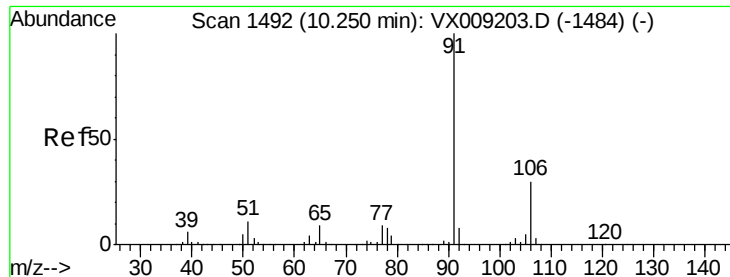
Tot Ion:112 Resp: 251469
Ion Ratio Lower Upper
112 100
114 31.6 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 52.172 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Tgt Ion:131 Resp: 91237
Ion Ratio Lower Upper
131 100
133 93.8 47.7 143.1
119 65.7 33.5 100.4





#67

Ethyl Benzene

Concen: 52.837 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

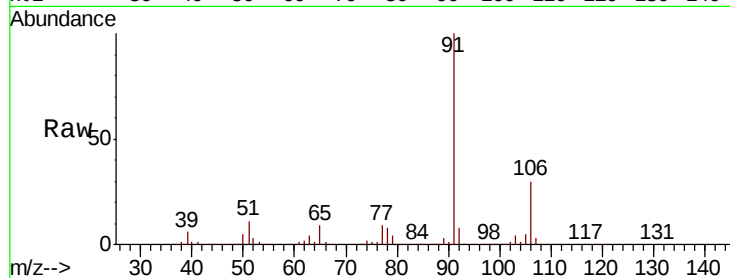
VSTDCCC050

Tot Ion: 91 Resp: 469052

Ion Ratio Lower Upper

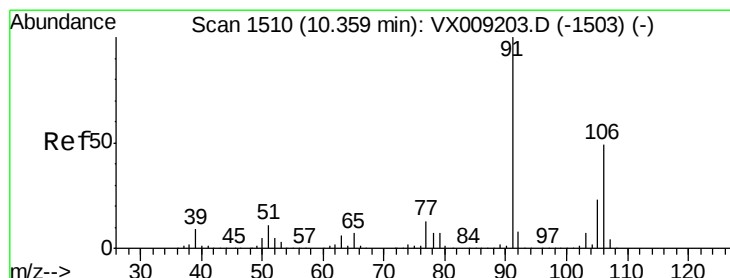
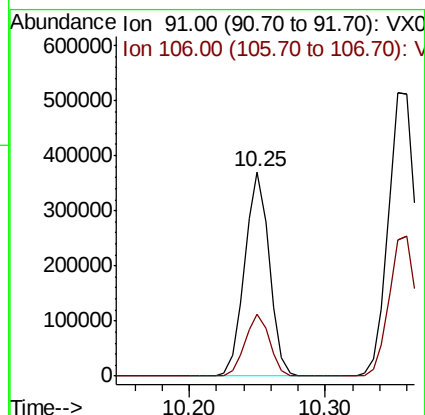
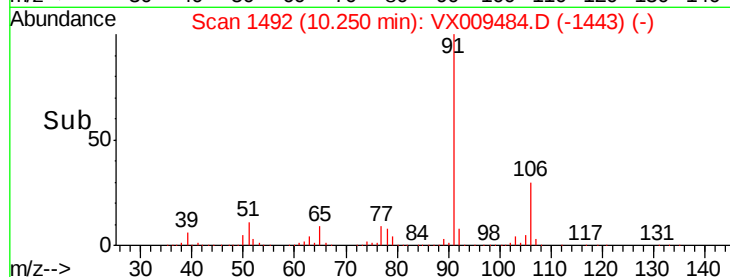
91 100

106 30.2 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX009484.D (-1443) (-)

Ion 106.00 (105.70 to 106.70): VX009484.D (-1443) (-)



#68

m/p-Xylenes

Concen: 108.168 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009484.D

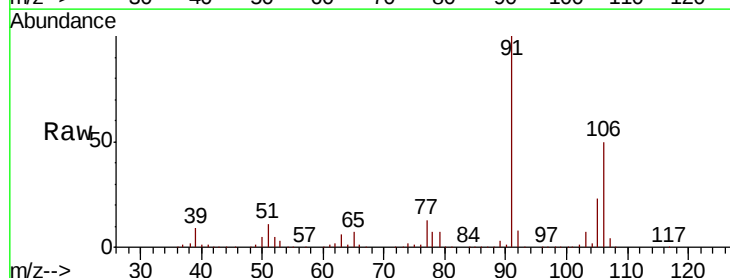
Acq: 10 May 2019 16:05

Tgt Ion: 106 Resp: 350902

Ion Ratio Lower Upper

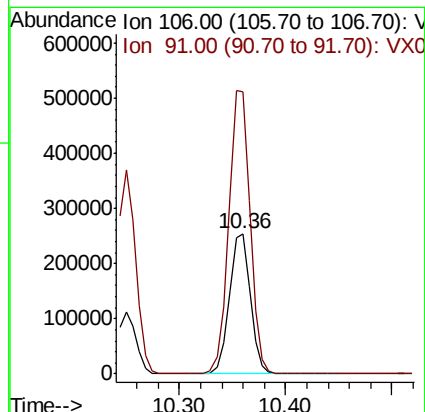
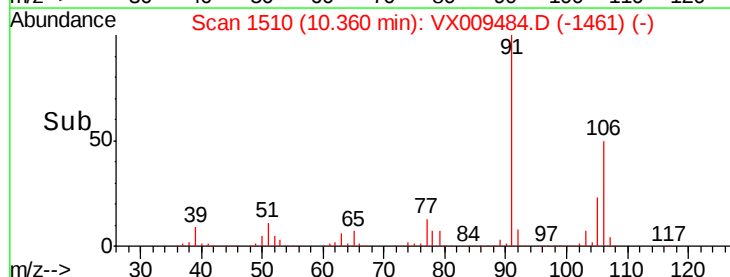
106 100

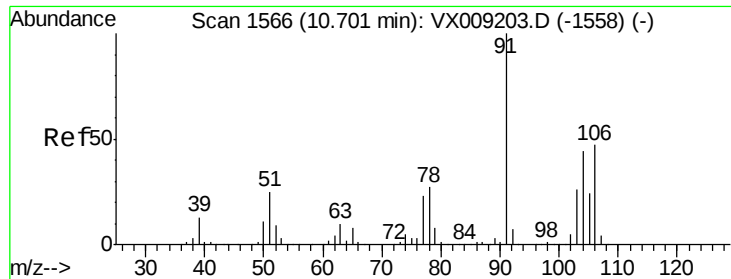
91 205.7 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): VX009484.D (-1461) (-)

Ion 91.00 (90.70 to 91.70): VX009484.D (-1461) (-)

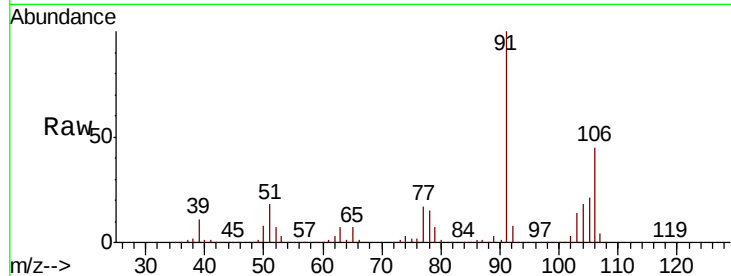




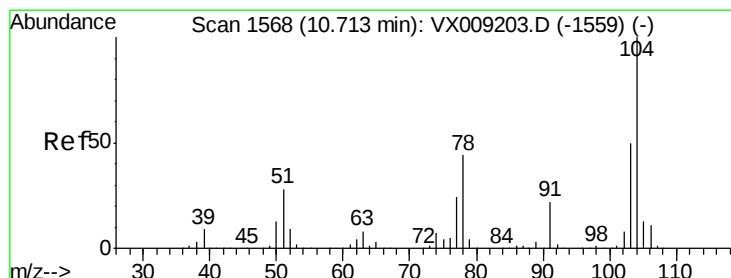
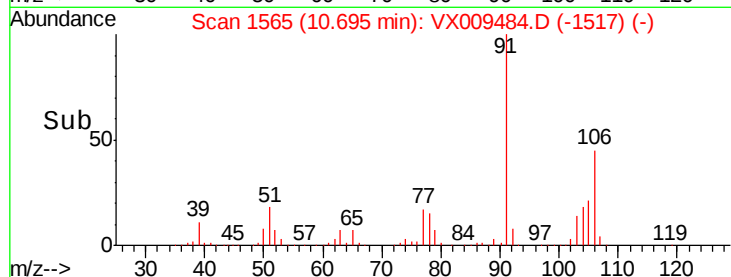
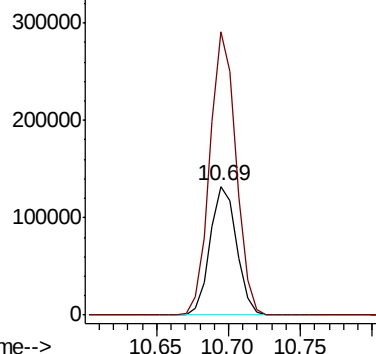
#69
o-Xylene
Concen: 52.885 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 169272
Ion Ratio Lower Upper
106 100
91 217.4 109.5 328.4

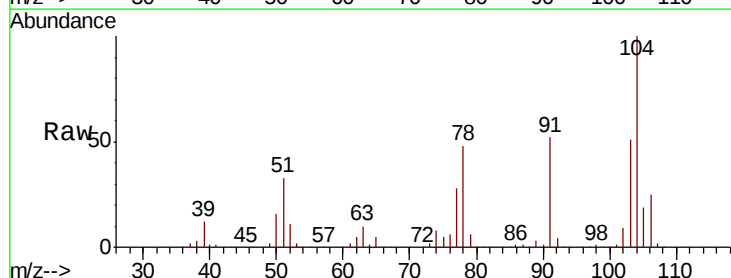


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

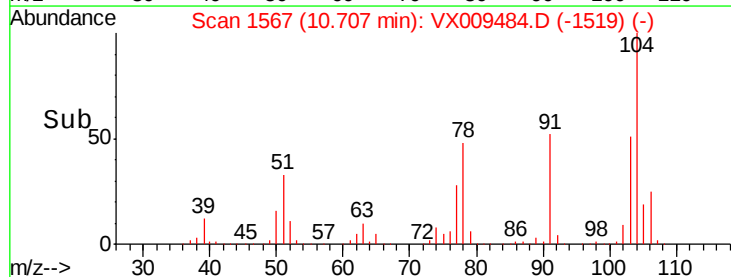
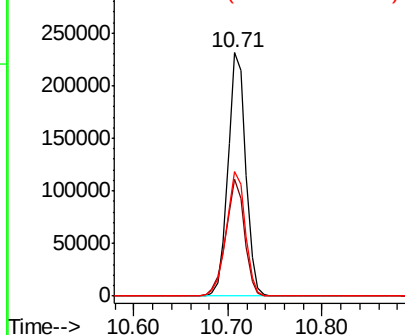


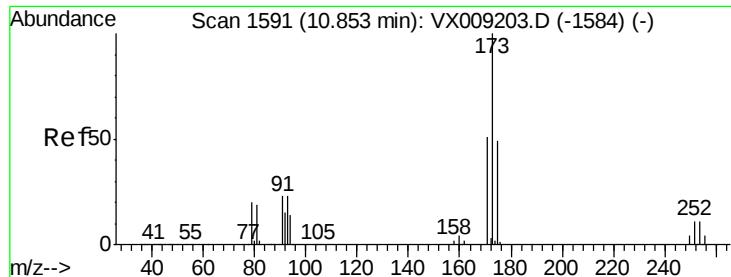
#70
Styrene
Concen: 54.122 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Tgt Ion:104 Resp: 301091
Ion Ratio Lower Upper
104 100
78 51.0 41.0 61.4
103 54.9 43.8 65.6



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: 52.162 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

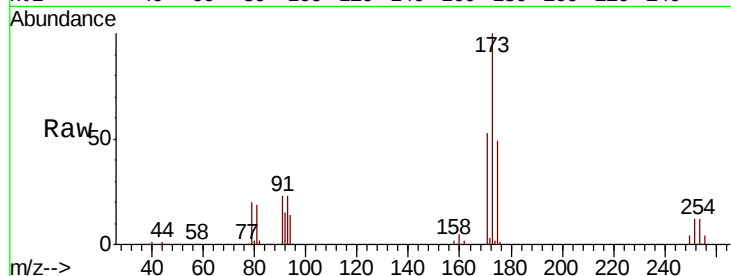
Tot Ion:173 Resp: 74129

Ion Ratio Lower Upper

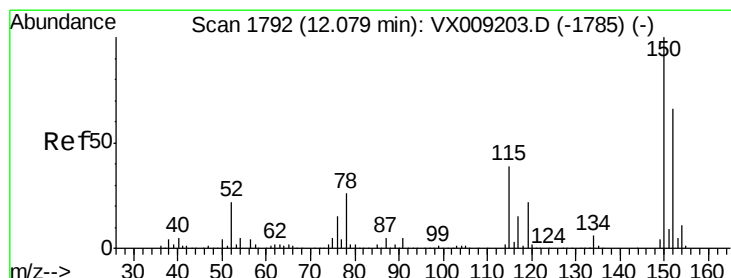
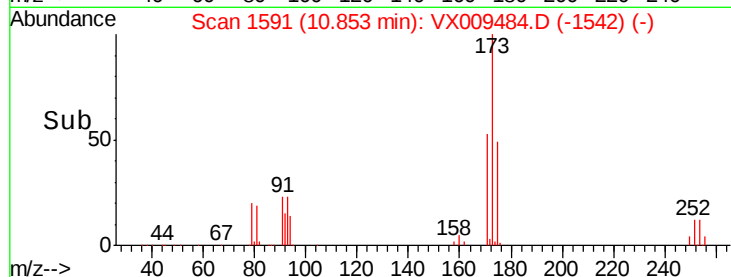
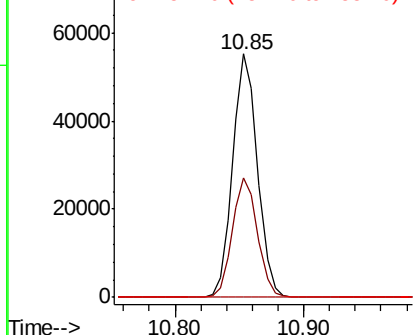
173 100

175 49.6 24.5 73.5

254 0.3 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: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

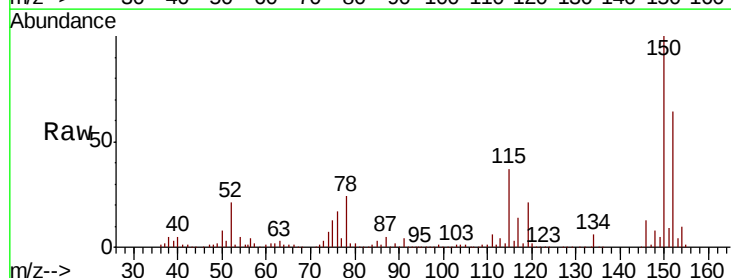
Tgt Ion:152 Resp: 126318

Ion Ratio Lower Upper

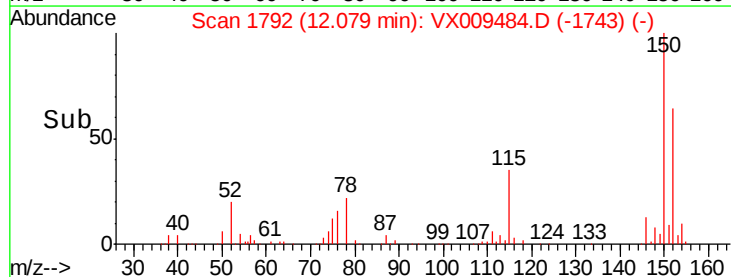
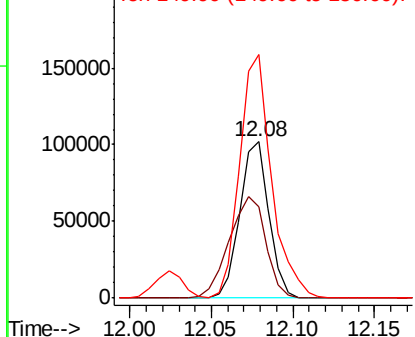
152 100

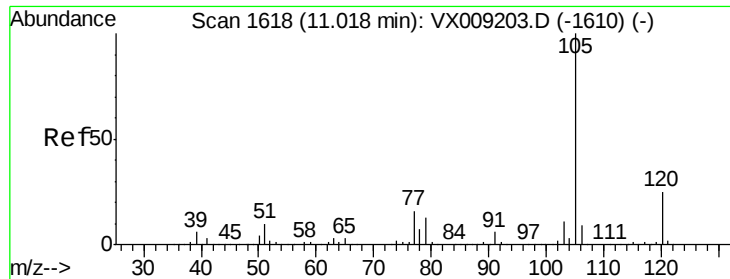
115 82.1 41.2 123.6

150 171.5 0.0 346.4



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: 49.813 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

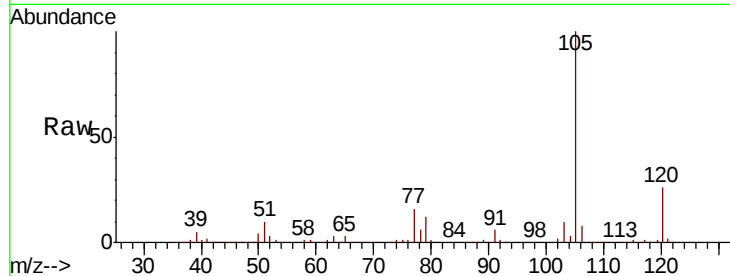
VSTDCCC050

Tot Ion:105 Resp: 457571

Ion Ratio Lower Upper

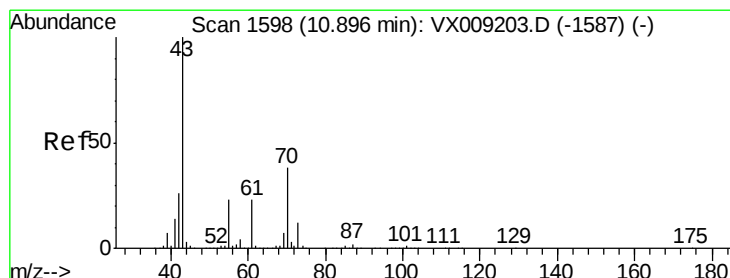
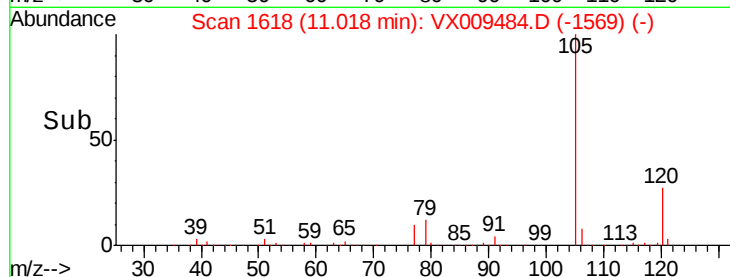
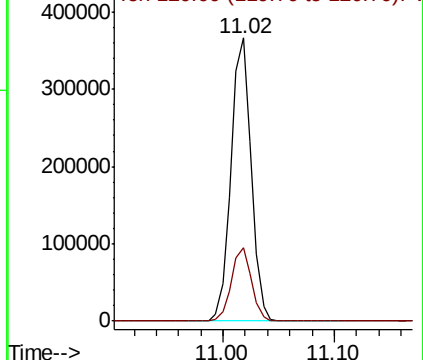
105 100

120 25.8 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.988 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Tgt Ion: 43 Resp: 267703

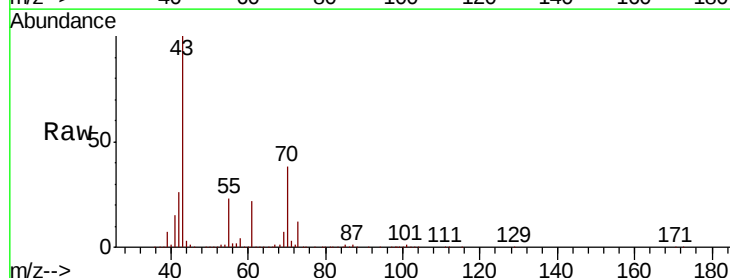
Ion Ratio Lower Upper

43 100

70 37.1 30.0 45.0

55 22.6 17.9 26.9

61 22.2 18.4 27.6

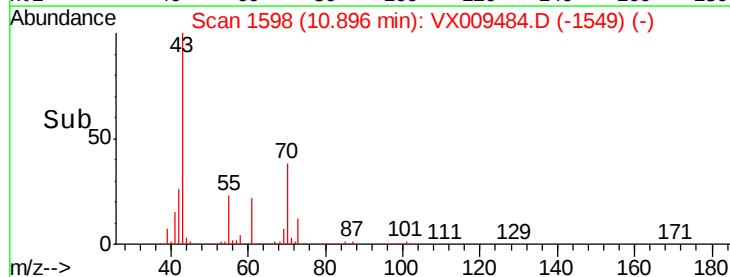
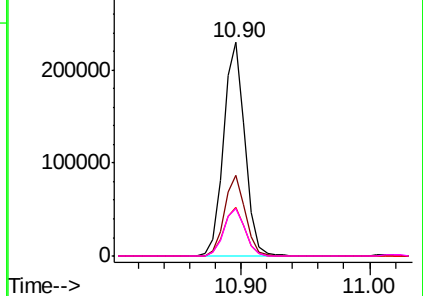


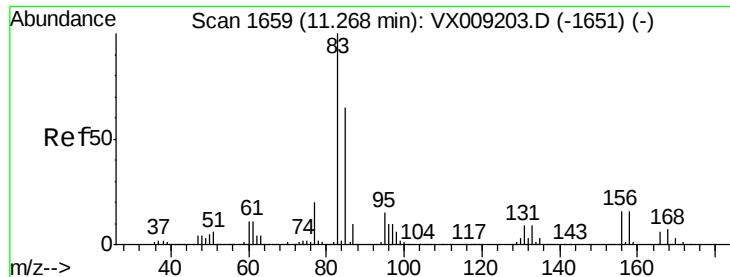
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 47.680 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

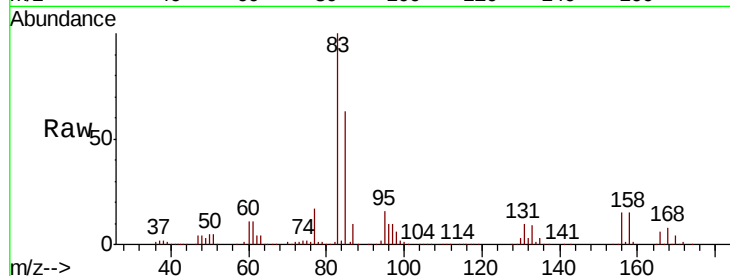
MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 163270

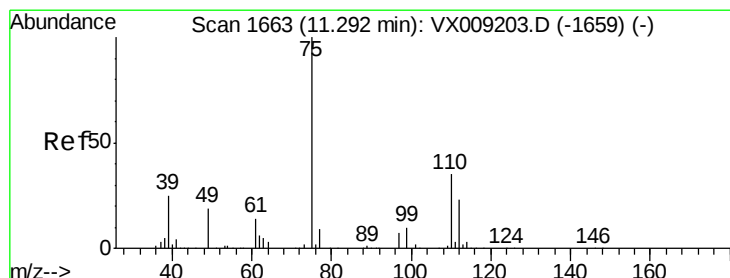
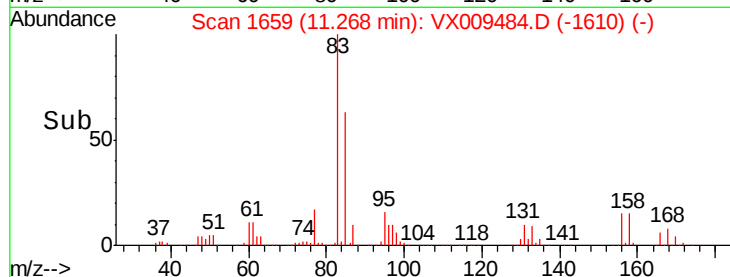
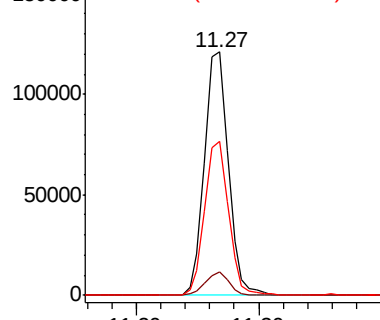
Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.6	13.8
85	63.5	32.0	96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 66.558 ug/l

RT: 11.29 min Scan# 1663

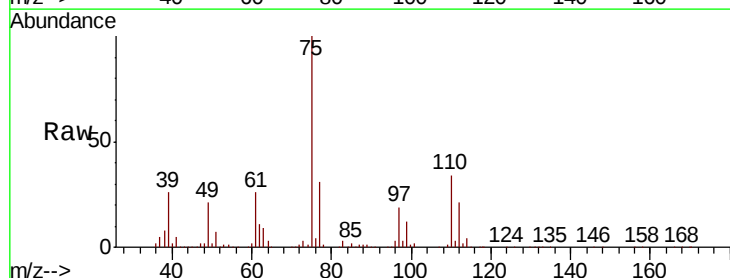
Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

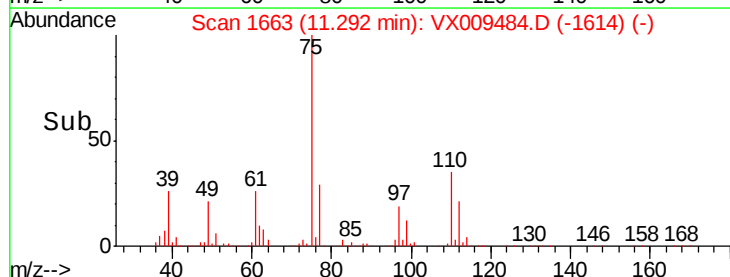
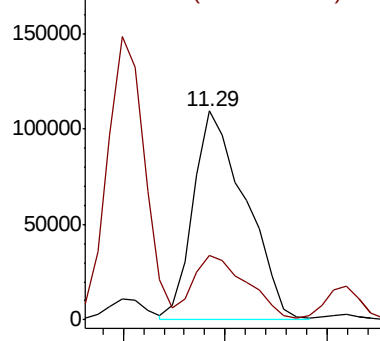
Tgt Ion: 75 Resp: 195024

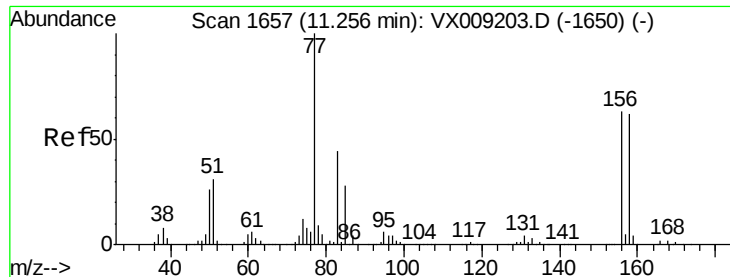
Ion	Ratio	Lower	Upper
75	100		
77	31.7	22.1	66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.445 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

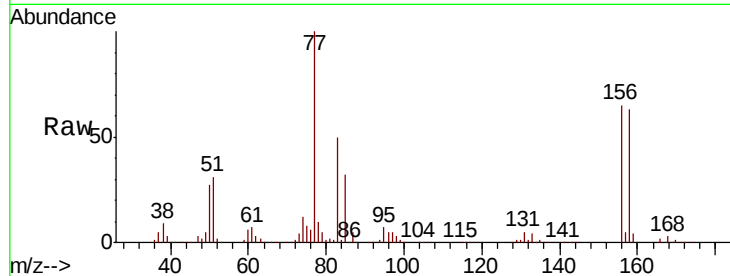
Tot Ion:156 Resp: 112731

Ion Ratio Lower Upper

156 100

77 167.6 84.8 254.3

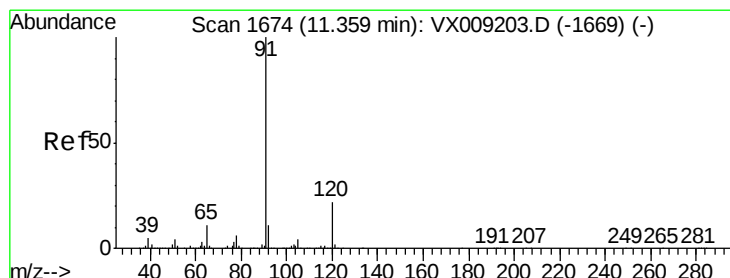
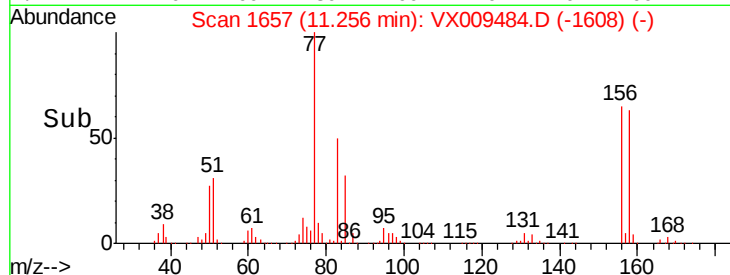
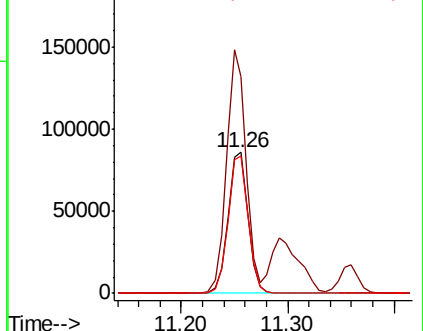
158 97.6 49.1 147.3



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: 51.040 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009484.D

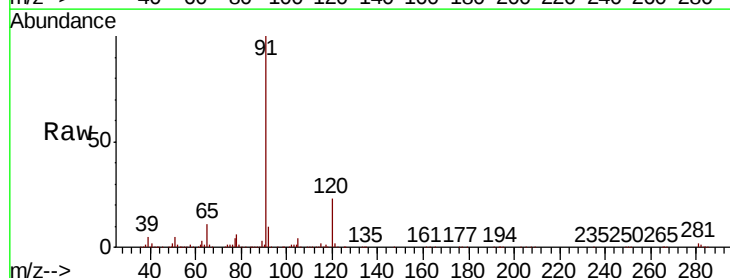
Acq: 10 May 2019 16:05

Tgt Ion: 91 Resp: 535436

Ion Ratio Lower Upper

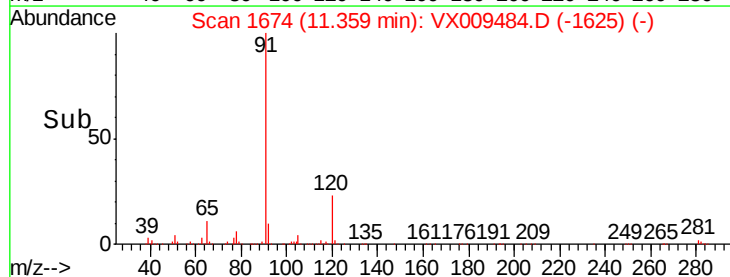
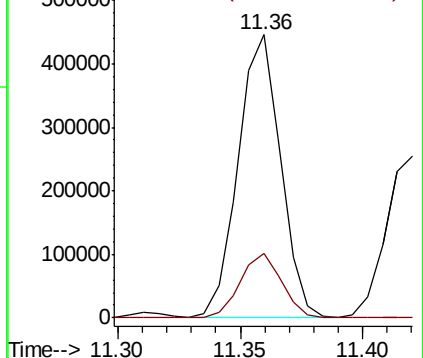
91 100

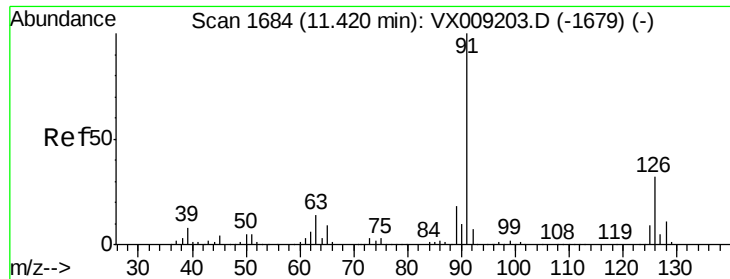
120 22.4 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

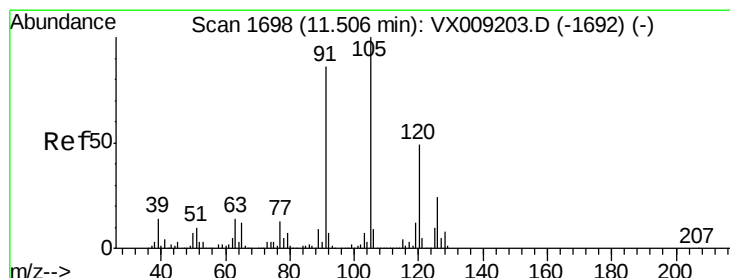
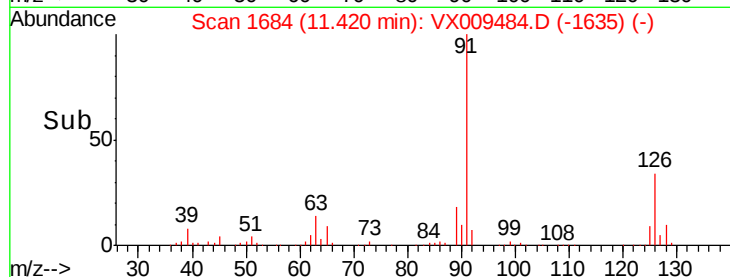
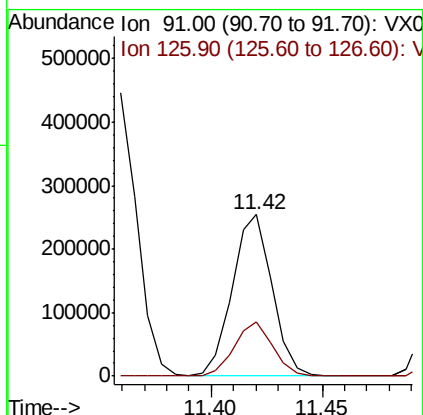
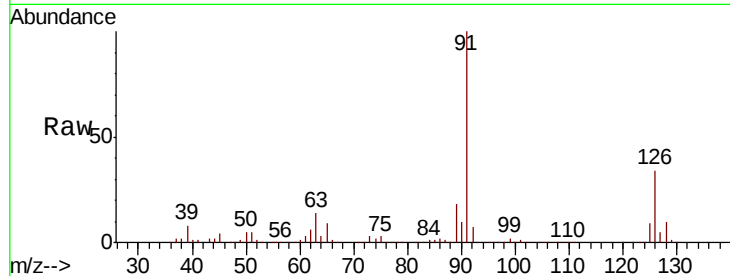




#79
 2-Chlorotoluene
 Concen: 48.636 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

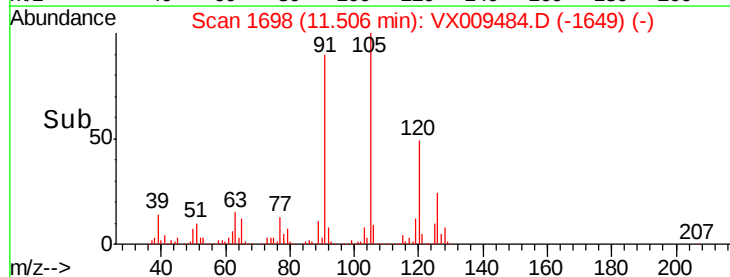
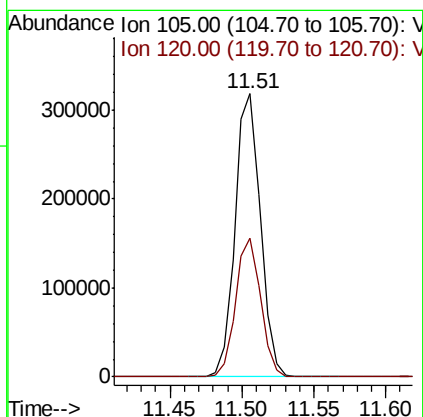
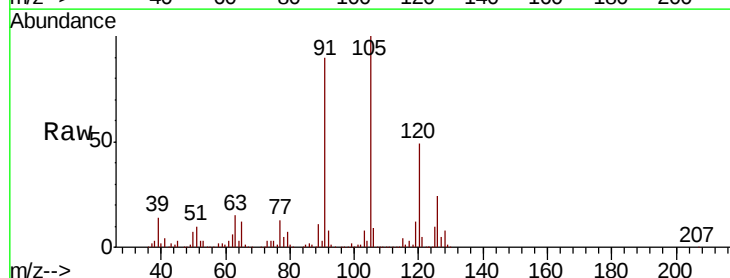
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

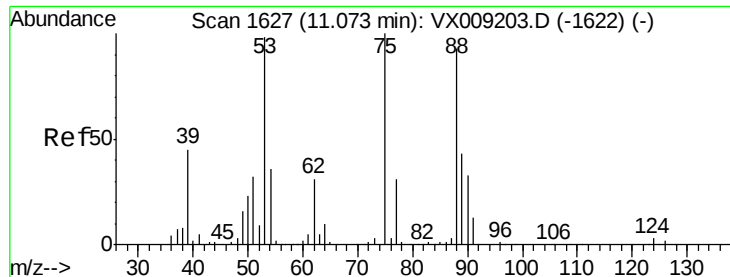
Tot Ion: 91 Resp: 314780
 Ion Ratio Lower Upper
 91 100
 126 32.8 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 50.652 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

Tgt Ion: 105 Resp: 391764
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 50.320 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

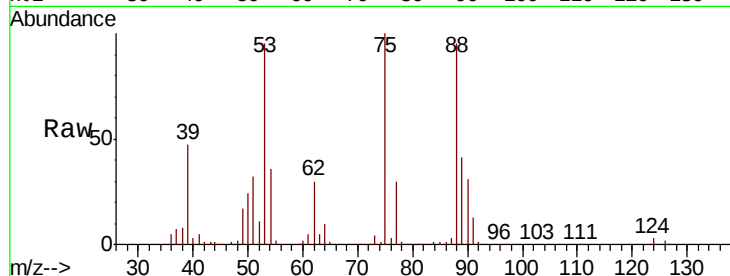
Tot Ion: 75 Resp: 57626

Ion Ratio Lower Upper

75 100

53 99.8 79.0 118.6

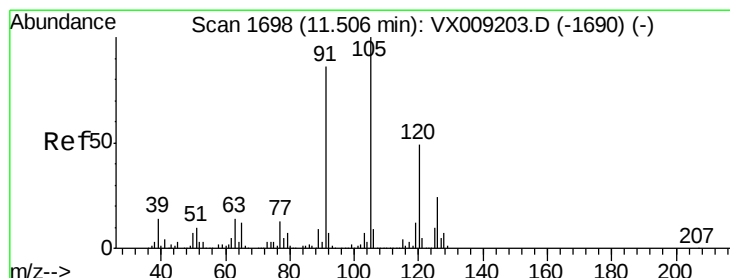
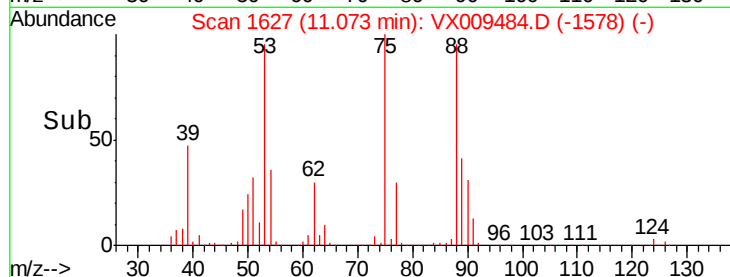
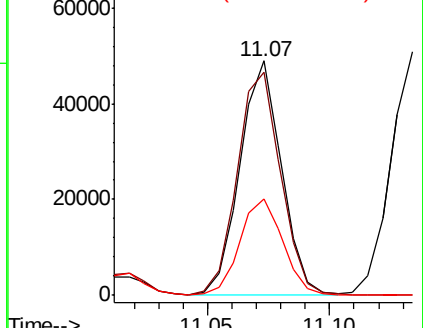
89 42.8 34.7 52.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 49.904 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009484.D

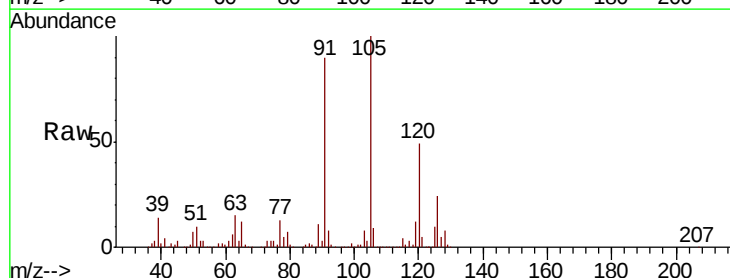
Acq: 10 May 2019 16:05

Tgt Ion: 91 Resp: 364877

Ion Ratio Lower Upper

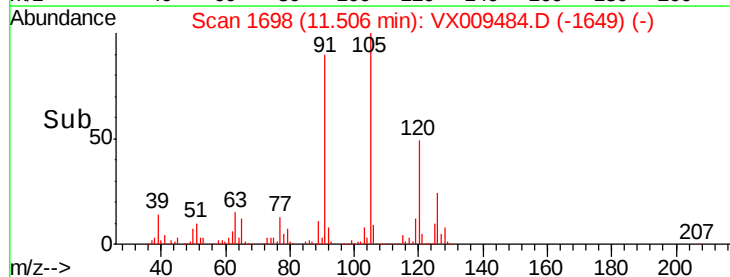
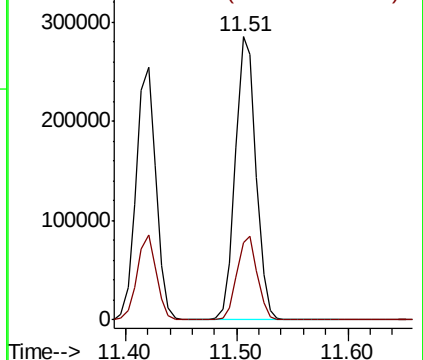
91 100

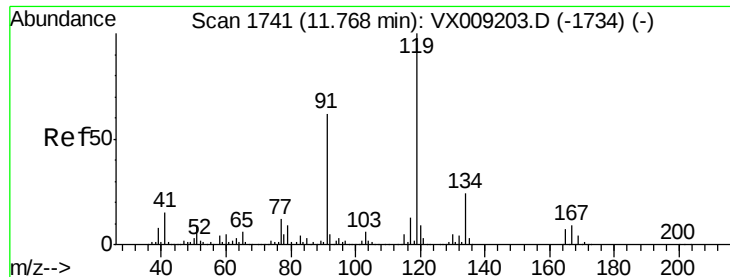
126 29.2 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 49.990 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

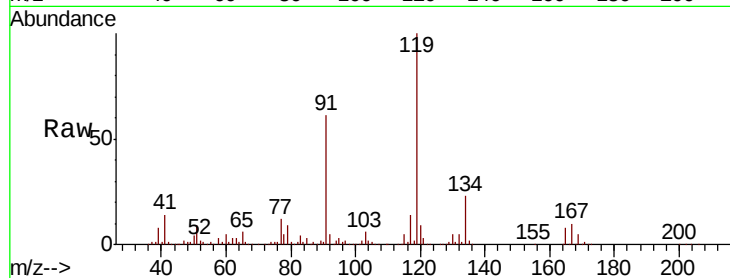
Tot Ion:119 Resp: 376124

Ion Ratio Lower Upper

119 100

91 58.5 29.5 88.5

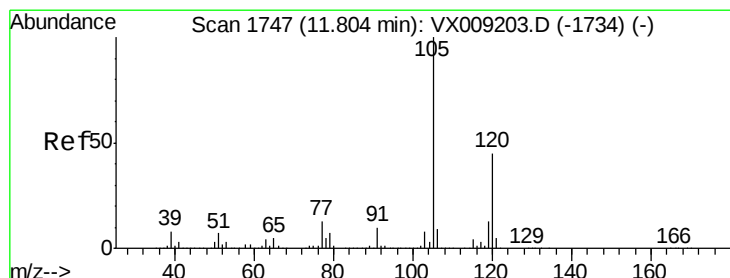
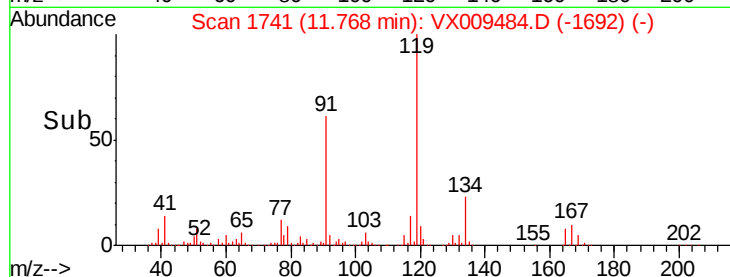
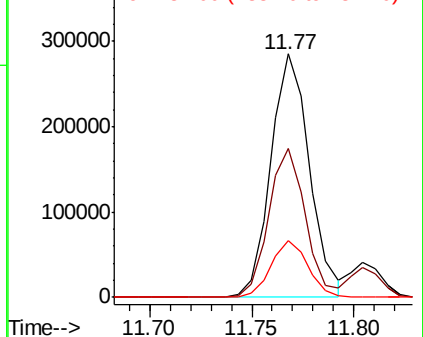
134 22.2 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.755 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX009484.D

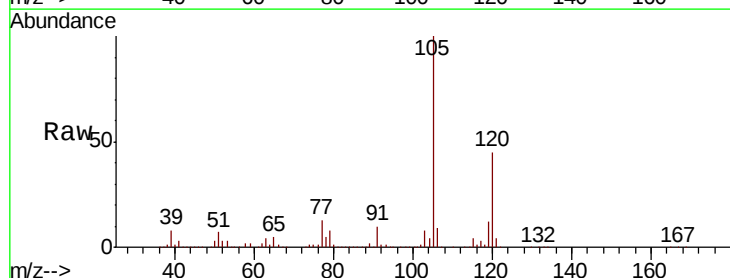
Acq: 10 May 2019 16:05

Tgt Ion:105 Resp: 394029

Ion Ratio Lower Upper

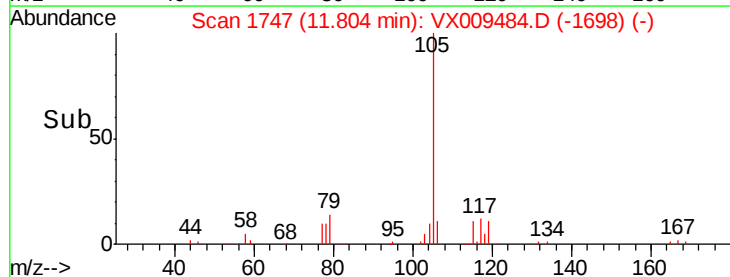
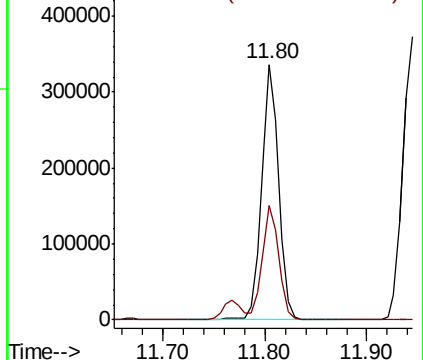
105 100

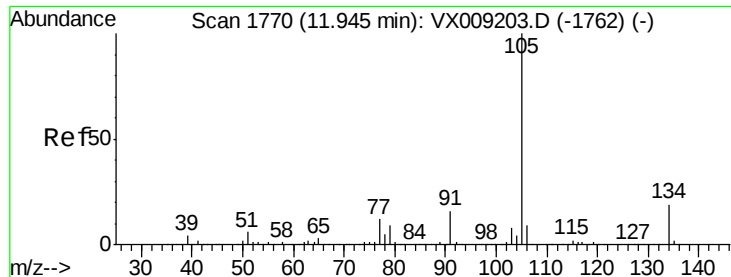
120 44.4 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.966 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

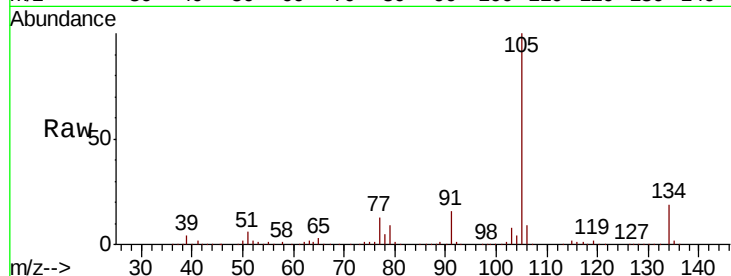
VSTDCCC050

Tot Ion:105 Resp: 454625

Ion Ratio Lower Upper

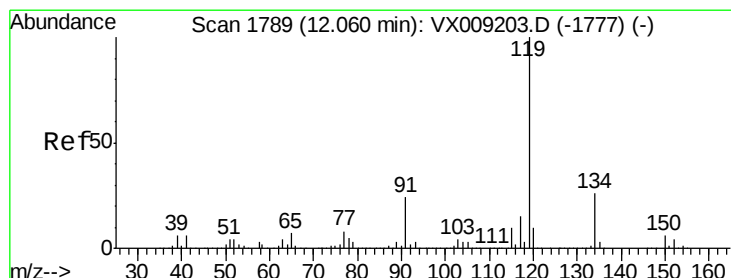
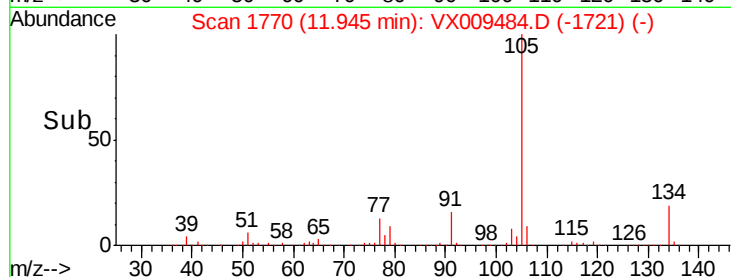
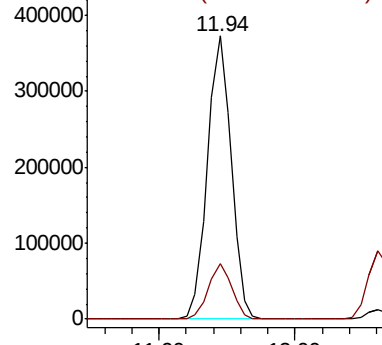
105 100

134 19.4 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.086 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

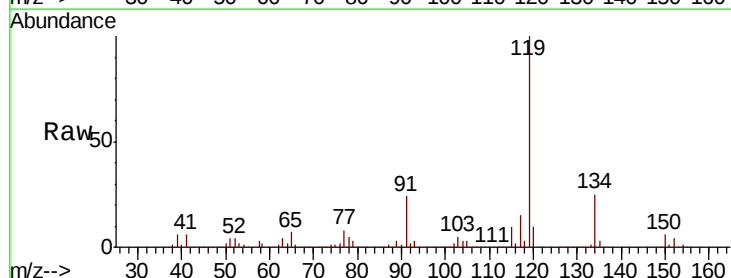
Tgt Ion:119 Resp: 417692

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

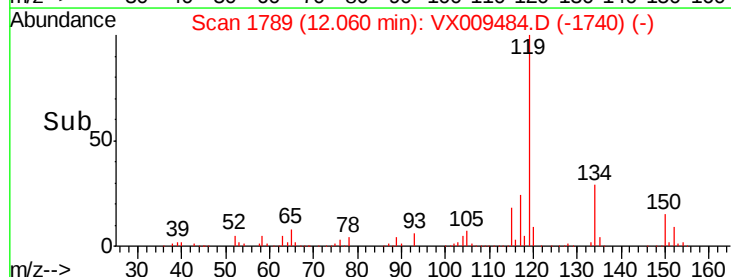
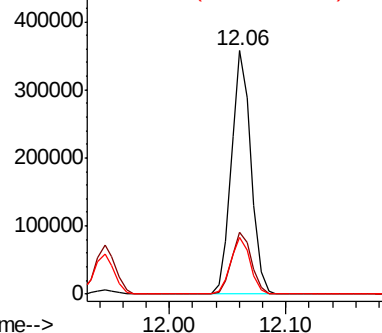
91 23.3 11.8 35.4

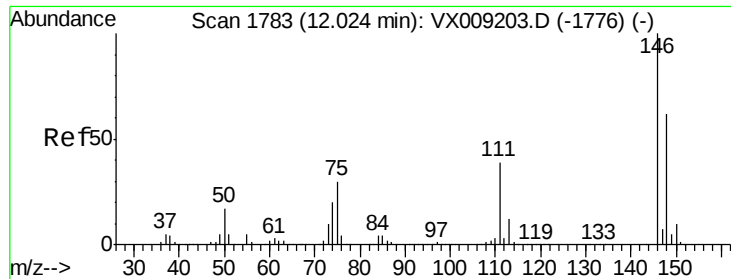


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 50.529 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

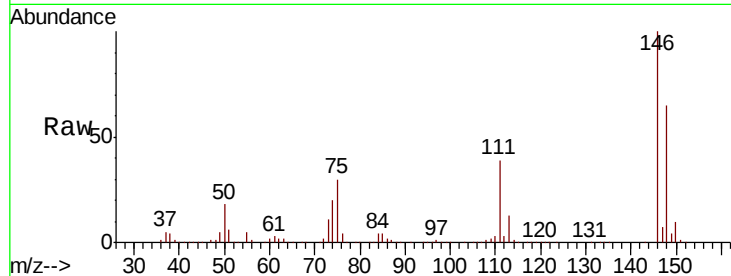
Tot Ion:146 Resp: 205371

Ion Ratio Lower Upper

146 100

111 40.2 20.0 59.9

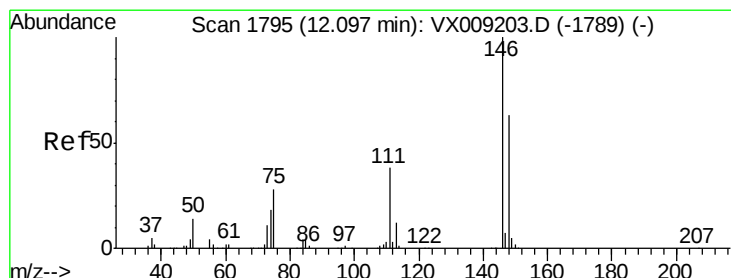
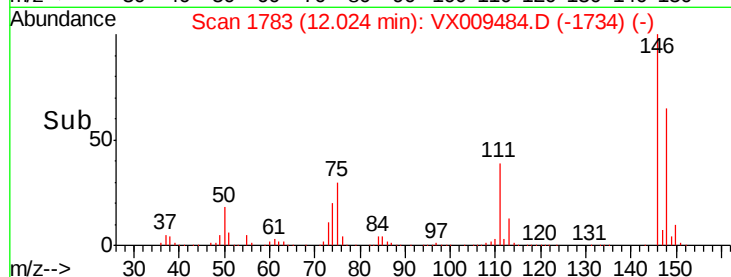
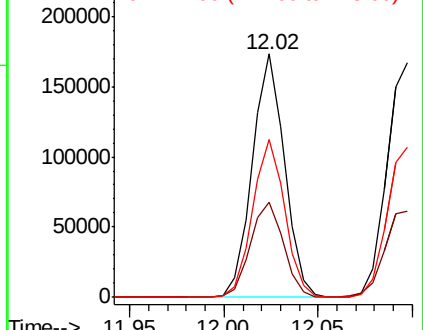
148 64.6 31.8 95.3



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: 50.472 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

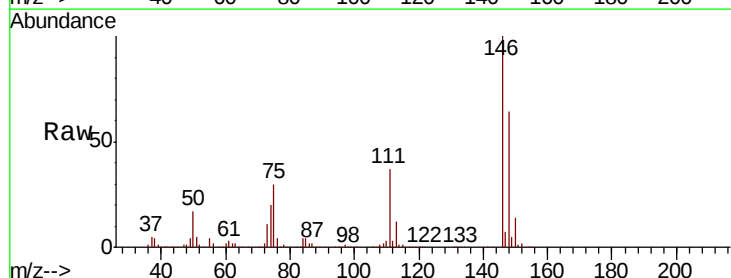
Tgt Ion:146 Resp: 206818

Ion Ratio Lower Upper

146 100

111 38.6 19.6 58.8

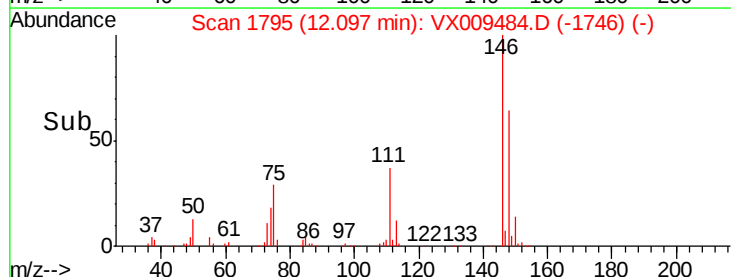
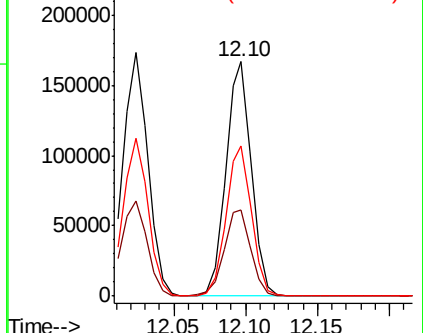
148 64.1 31.8 95.3

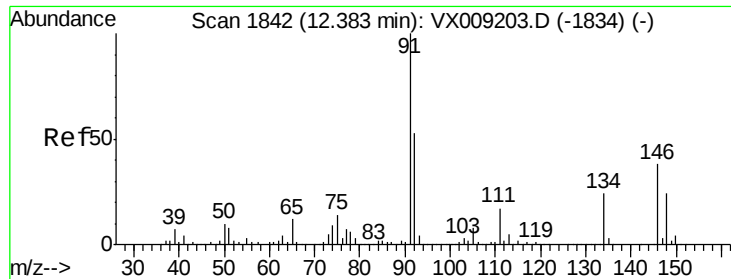


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

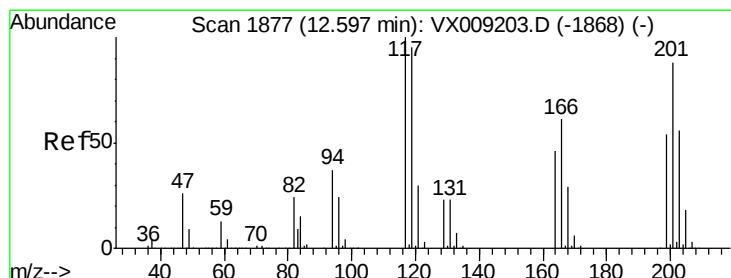
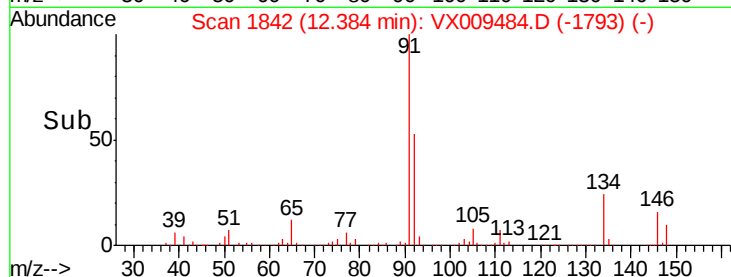
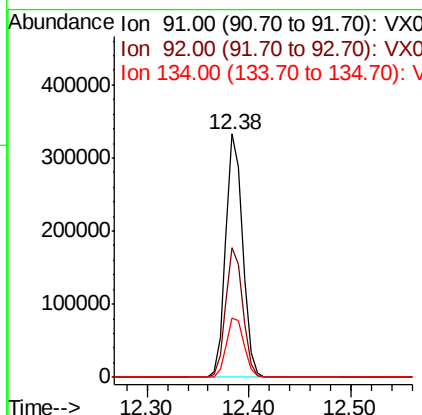
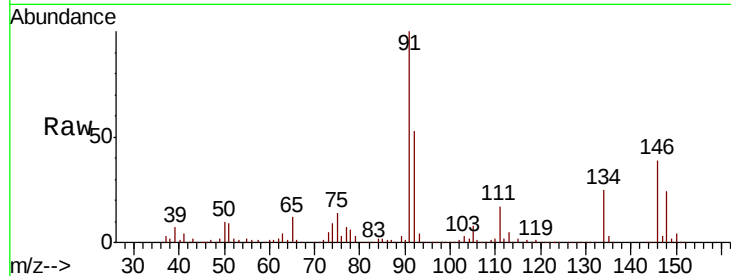




#89
n-Butylbenzene
Concen: 53.069 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

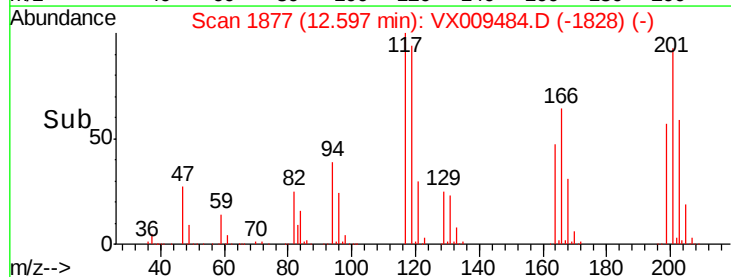
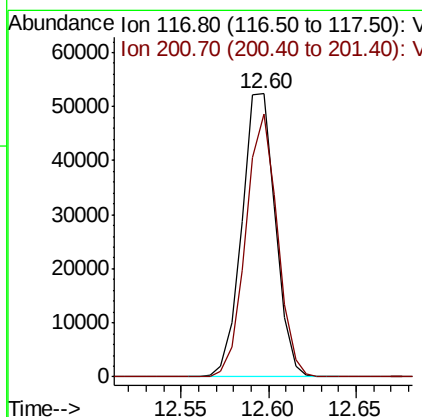
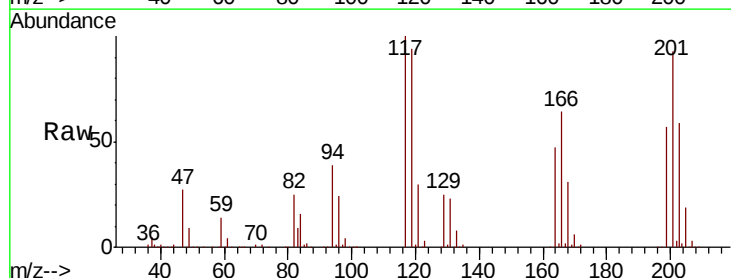
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

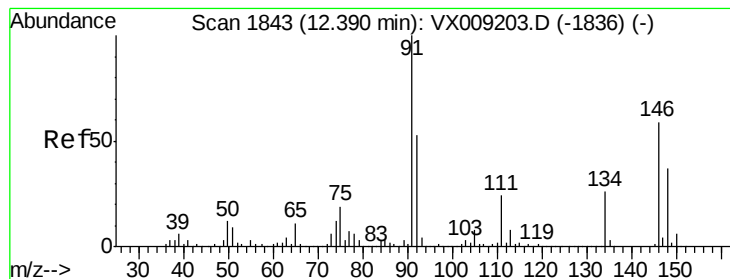
Tot Ion: 91 Resp: 384646
Ion Ratio Lower Upper
91 100
92 53.3 26.5 79.5
134 25.3 12.4 37.2



#90
Hexachloroethane
Concen: 50.995 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Tgt Ion: 117 Resp: 69670
Ion Ratio Lower Upper
117 100
201 87.6 42.3 126.9





#91

1,2-Dichlorobenzene

Concen: 50.182 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

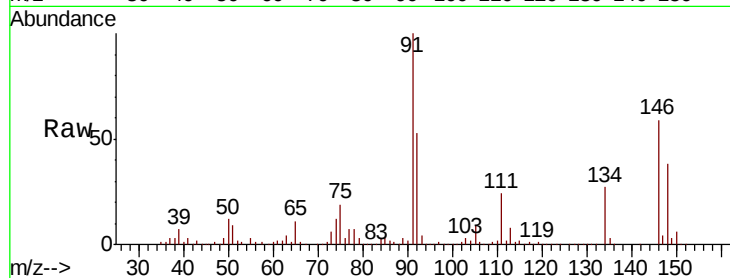
Tot Ion:146 Resp: 207742

Ion Ratio Lower Upper

146 100

111 40.8 20.8 62.4

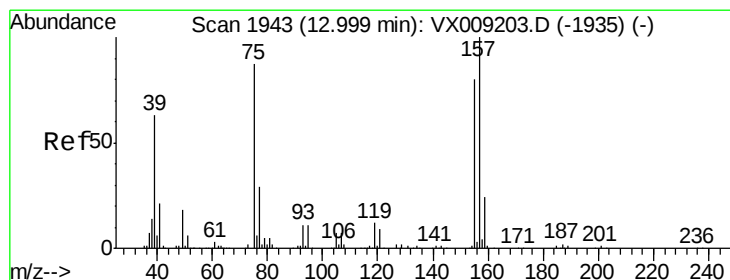
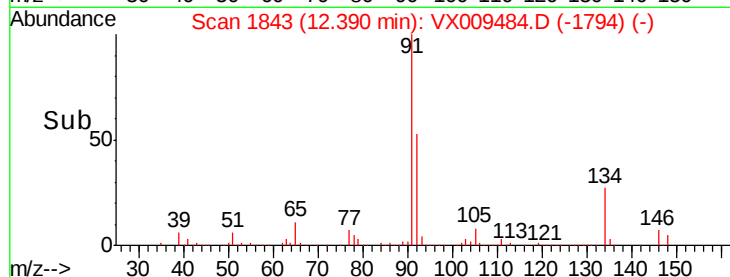
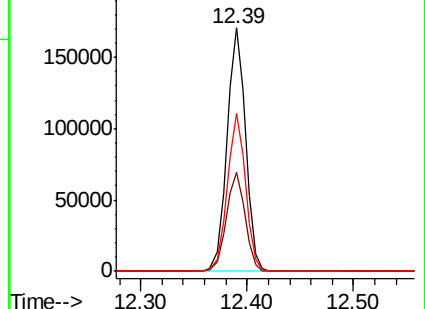
148 63.5 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.441 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

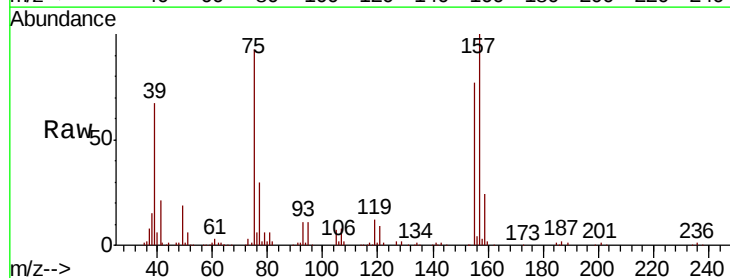
Tgt Ion: 75 Resp: 37211

Ion Ratio Lower Upper

75 100

155 82.1 42.0 126.0

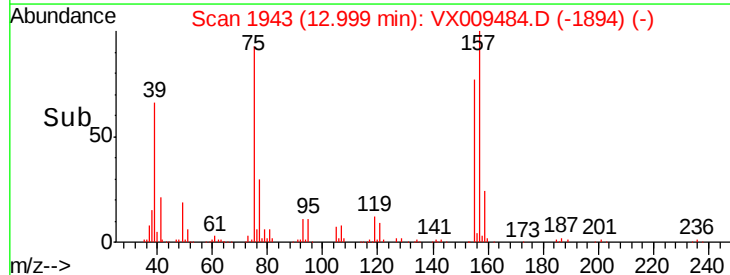
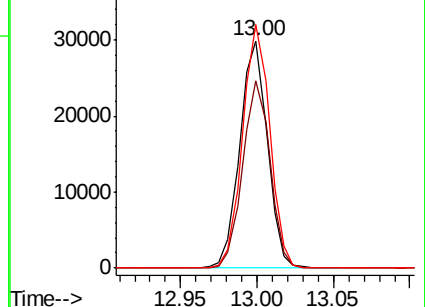
157 106.2 53.2 159.6

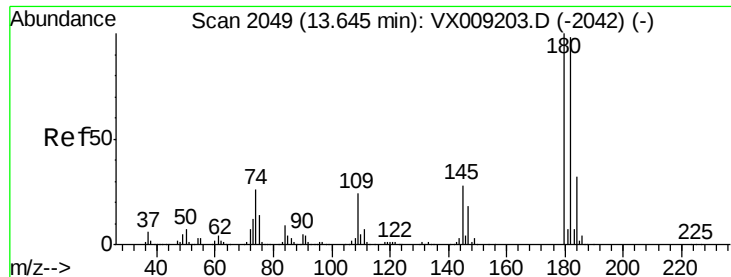


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

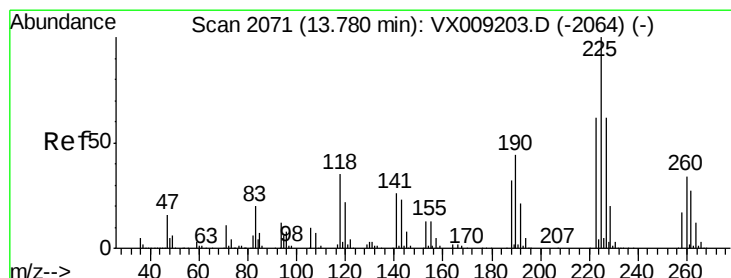
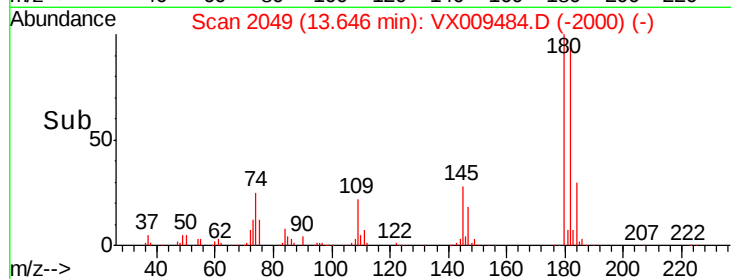
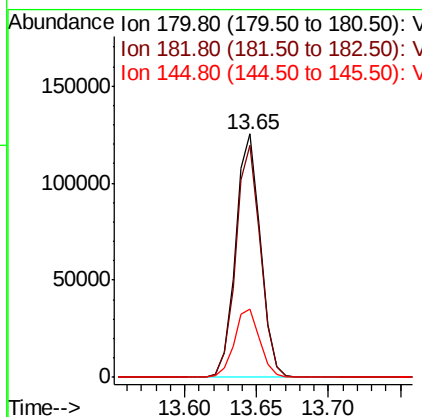
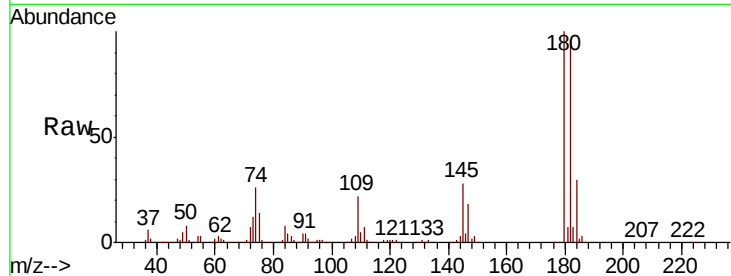




#93
 1,2,4-Trichlorobenzene
 Concen: 53.203 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

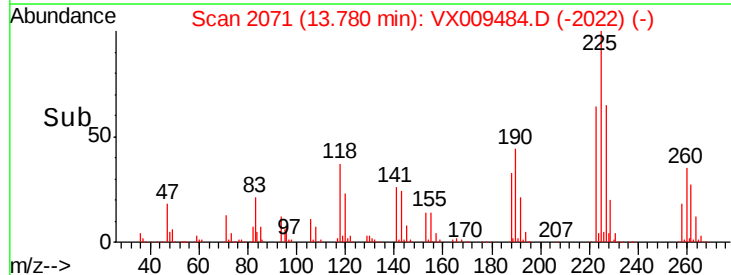
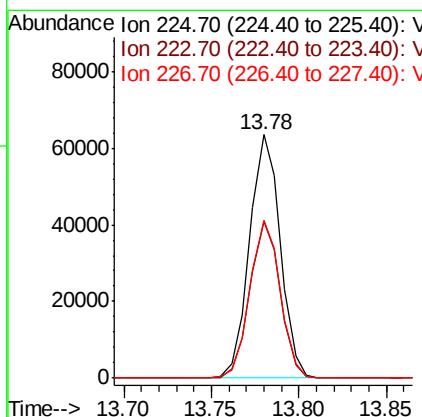
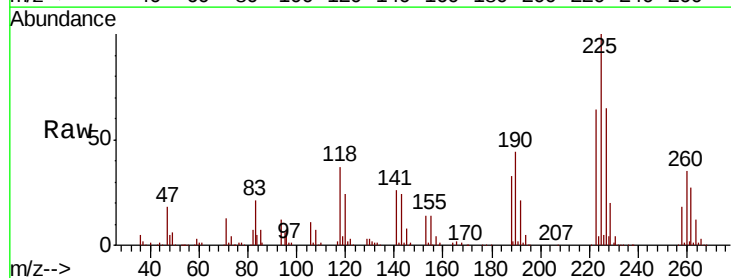
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

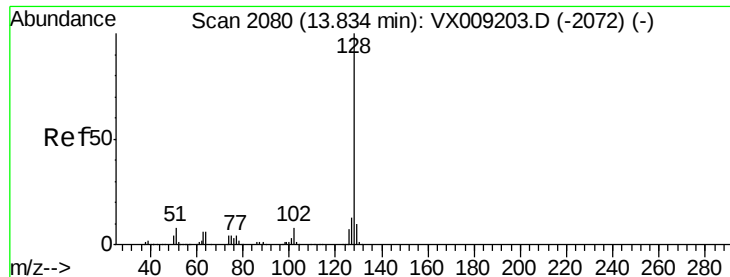
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.4	145.2
145	28.6	14.6	43.8



#94
 Hexachlorobutadiene
 Concen: 53.489 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.3	93.8
227	64.1	31.8	95.3





#95

Naphthalene

Concen: 50.174 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

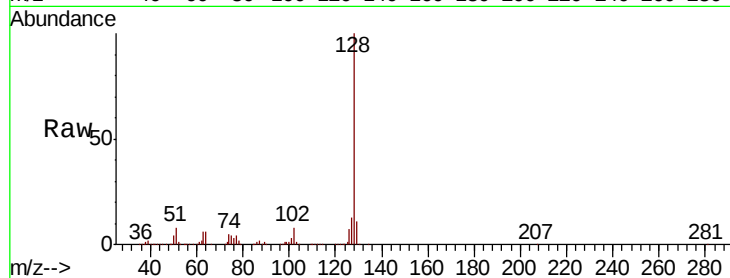
Tot Ion:128 Resp: 462108

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

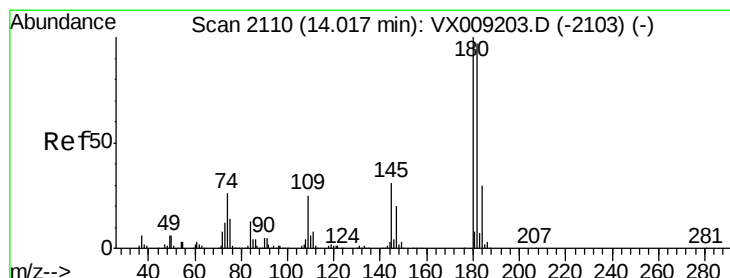
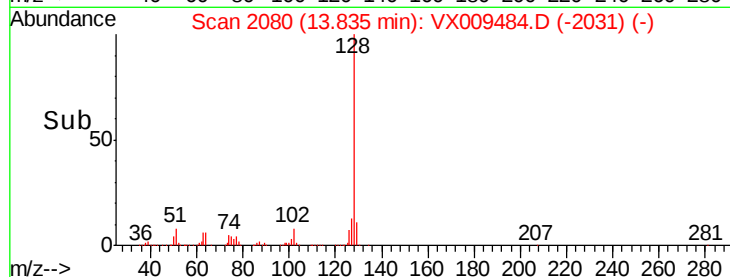
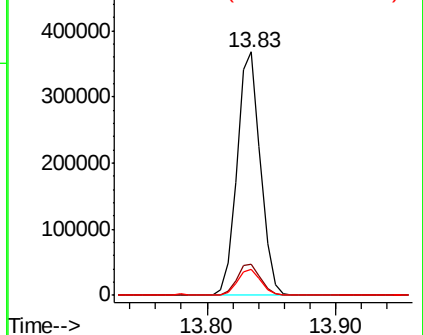
129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.786 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

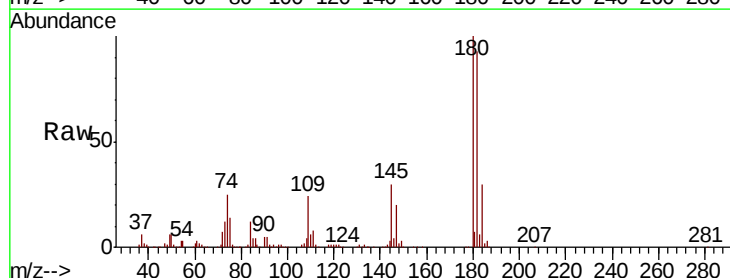
Tgt Ion:180 Resp: 148604

Ion Ratio Lower Upper

180 100

182 94.6 47.8 143.4

145 30.3 15.4 46.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

