

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\
 Data File : VX005509.D
 Acq On : 23 Oct 2018 09:26
 Operator : JC/MD
 Sample : J5603-19MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 23 12:10:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	202682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	281597	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	265108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	152058	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	125265	55.69	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	111.38%	
35) Dibromofluoromethane	5.51	113	103866	55.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.38%	
50) Toluene-d8	8.71	98	347149	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	
62) 4-Bromofluorobenzene	11.14	95	132472	55.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	65778	41.508	ug/l	100
3) Chloromethane	1.32	50	108750	47.360	ug/l	99
4) Vinyl Chloride	1.41	62	112622	48.416	ug/l	95
5) Bromomethane	1.64	94	53062	40.502	ug/l	99
6) Chloroethane	1.71	64	69361	50.535	ug/l #	87
7) Trichlorofluoromethane	1.92	101	152099	48.998	ug/l #	81
8) Diethyl Ether	2.19	74	64740	48.839	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.38	101	79048	44.120	ug/l	97
10) Methyl Iodide	2.51	142	84243	43.237	ug/l	97
11) Tert butyl alcohol	3.07	59	157076	247.544	ug/l	100
12) 1,1-Dichloroethene	2.37	96	87074	49.051	ug/l	82
13) Acrolein	2.29	56	86462	213.215	ug/l	96
14) Allyl chloride	2.73	41	188433	48.349	ug/l	96
15) Acrylonitrile	3.15	53	375853	261.388	ug/l	99
16) Acetone	2.45	43	334713	257.351	ug/l	96
17) Carbon Disulfide	2.57	76	216461	40.253	ug/l #	95
18) Methyl Acetate	2.78	43	206660	55.851	ug/l #	90
19) Methyl tert-butyl Ether	3.20	73	335732	53.700	ug/l	97
20) Methylene Chloride	2.85	84	103733	54.865	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	90327	45.915	ug/l	86
22) Diisopropyl ether	3.87	45	359112	54.858	ug/l	98
23) Vinyl Acetate	3.82	43	1378384	240.910	ug/l	95
24) 1,1-Dichloroethane	3.70	63	198211	52.832	ug/l	97
25) 2-Butanone	4.70	43	512287	269.207	ug/l #	89
26) 2,2-Dichloropropane	4.58	77	90752	32.344	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	108390	50.697	ug/l	95
28) Bromochloromethane	5.03	49	101466	59.327	ug/l	89
29) Tetrahydrofuran	5.16	42	315435	259.866	ug/l	95
30) Chloroform	5.21	83	192127	55.173	ug/l	93
31) Cyclohexane	5.57	56	134511	43.501	ug/l #	84
32) 1,1,1-Trichloroethane	5.49	97	156533	51.661	ug/l	99
36) 1,1-Dichloropropene	5.81	75	129427	47.457	ug/l	99
37) Ethyl Acetate	4.86	43	171364	48.859	ug/l	97
38) Carbon Tetrachloride	5.78	117	134871	49.217	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	112351	38.064	ug/l	96
40) Benzene	6.14	78	402054	49.144	ug/l	96
41) Methacrylonitrile	5.06	41	101681	54.077	ug/l	95
42) 1,2-Dichloroethane	6.20	62	146685	50.778	ug/l	97
43) Isopropyl Acetate	6.46	43	262645	56.216	ug/l	95
44) Trichloroethene	7.21	130	100356	48.017	ug/l	94
45) 1,2-Dichloropropane	7.52	63	105362	52.502	ug/l	98
46) Dibromomethane	7.66	93	67460	50.931	ug/l	97
47) Bromodichloromethane	7.90	83	140253	57.246	ug/l #	85
48) Methyl methacrylate	7.77	41	135043	55.730	ug/l	93
49) 1,4-Dioxane	7.75	88	51670	924.495	ug/l	92
51) 4-Methyl-2-Pentanone	8.65	43	922326	285.108	ug/l	94
52) Toluene	8.79	92	233905	52.259	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	136358	51.428	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	141195	49.147	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	101107	53.333	ug/l	96
56) Ethyl methacrylate	9.18	69	157937	57.148	ug/l	92
57) 1,3-Dichloropropane	9.37	76	170124	53.765	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	320	0.206	ug/l #	45
59) 2-Hexanone	9.50	43	728890	280.099	ug/l	92
60) Dibromochloromethane	9.59	129	109187	55.719	ug/l	100
61) 1,2-Dibromoethane	9.67	107	105430	52.992	ug/l	99
64) Tetrachloroethene	9.34	164	95878	44.923	ug/l	98
65) Chlorobenzene	10.14	112	269889	47.860	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	102522	51.017	ug/l	98
67) Ethyl Benzene	10.25	91	456000	49.741	ug/l	96
68) m/p-Xylenes	10.36	106	350522	98.511	ug/l	93
69) o-Xylene	10.70	106	170770	49.763	ug/l	95
70) Styrene	10.71	104	291200	51.591	ug/l	96
71) Bromoform	10.86	173	91995	51.227	ug/l #	100
73) Isopropylbenzene	11.02	105	464694	51.408	ug/l	99
74) N-amyl acetate	10.90	43	211249	48.453	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	171693	50.351	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	189658	64.302	ug/l	88
77) Bromobenzene	11.26	156	126609	48.986	ug/l	98
78) n-propylbenzene	11.36	91	529098	50.865	ug/l	99
79) 2-Chlorotoluene	11.42	91	326317	51.223	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	397417	51.340	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	41959	43.225	ug/l	99
82) 4-Chlorotoluene	11.51	91	384429	50.906	ug/l	99
83) tert-Butylbenzene	11.77	119	400448	51.086	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	414248	52.002	ug/l	98
85) sec-Butylbenzene	11.94	105	469857	50.650	ug/l	98
86) p-Isopropyltoluene	12.07	119	418623	49.928	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	235154	48.690	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	237974	48.165	ug/l	99
89) n-Butylbenzene	12.39	91	364434	47.871	ug/l	97
90) Hexachloroethane	12.60	117	72905	50.453	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	240902	48.879	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	41662	50.088	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	175024	48.404	ug/l	100
94) Hexachlorobutadiene	13.79	225	82375	43.134	ug/l	97
95) Naphthalene	13.83	128	568131	54.177	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	185917	50.251	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA_X

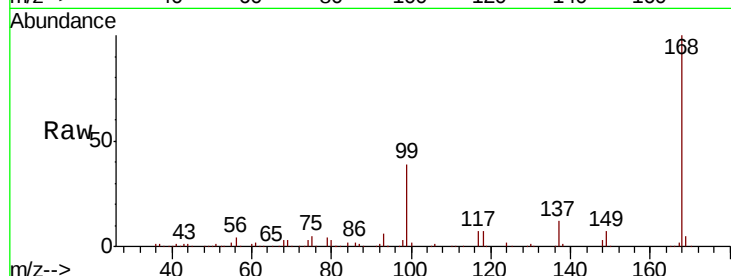
ClientSampleId :

Tot Ion:168 Resp: 202682

Ion Ratio Lower Upper

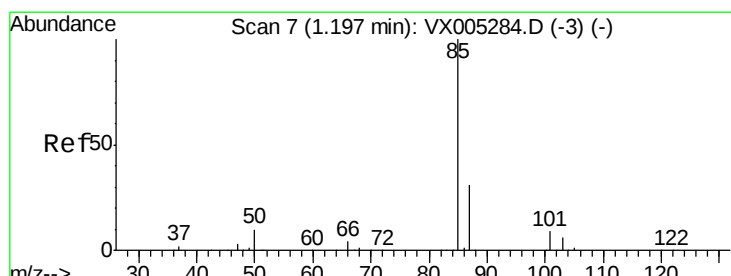
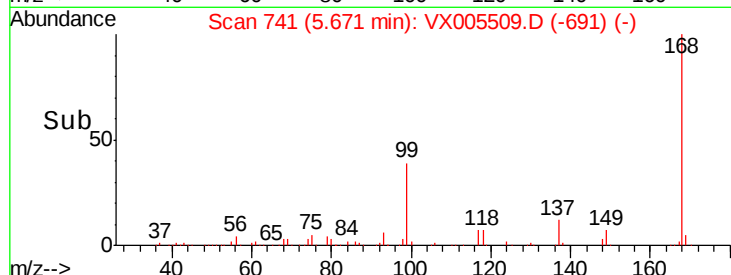
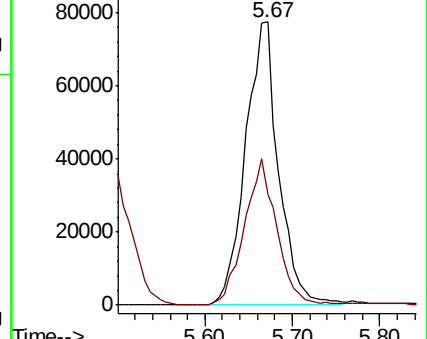
168 100

99 39.0 39.9 59.9#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 41.508 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005509.D

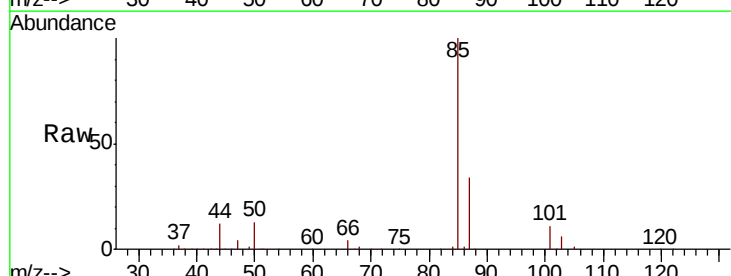
Acq: 23 Oct 2018 09:26

Tgt Ion: 85 Resp: 65778

Ion Ratio Lower Upper

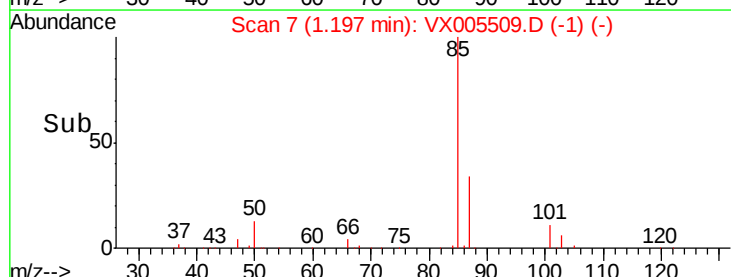
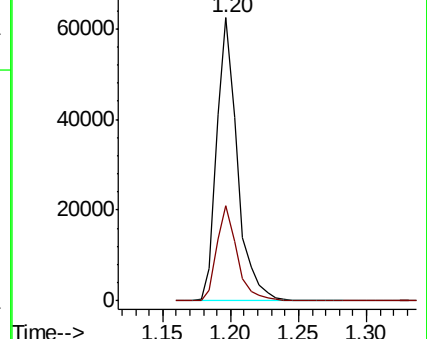
85 100

87 33.7 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 47.360 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA_X

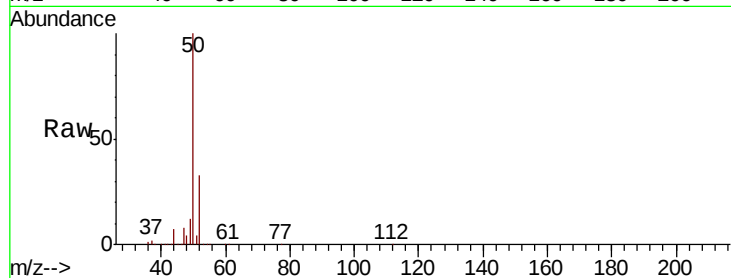
ClientSampled :

Tot Ion: 50 Resp: 108750

Ion Ratio Lower Upper

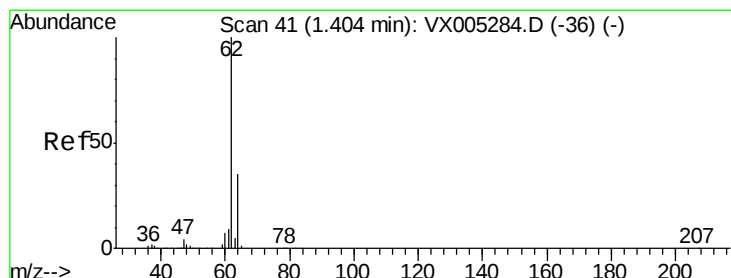
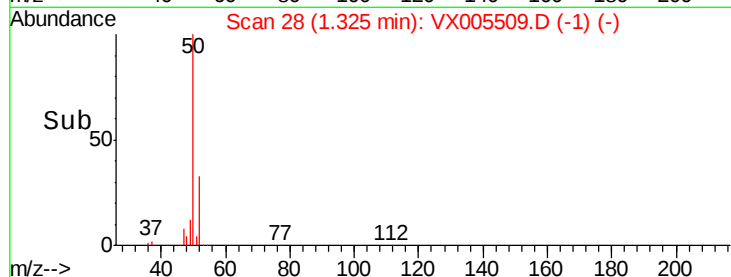
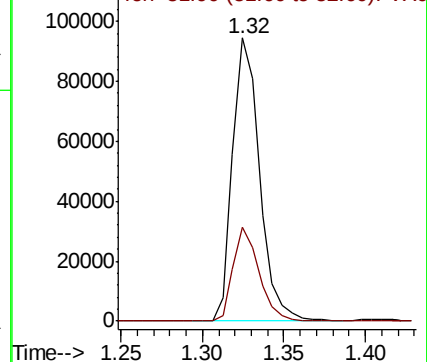
50 100

52 33.4 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 48.416 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005509.D

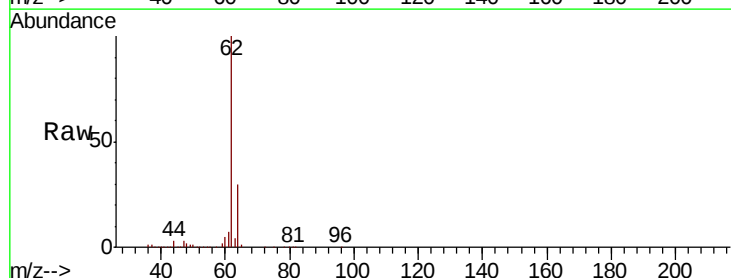
Acq: 23 Oct 2018 09:26

Tgt Ion: 62 Resp: 112622

Ion Ratio Lower Upper

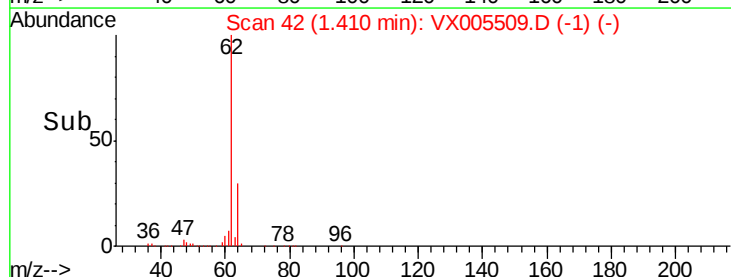
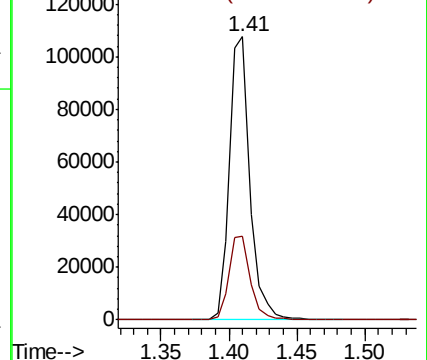
62 100

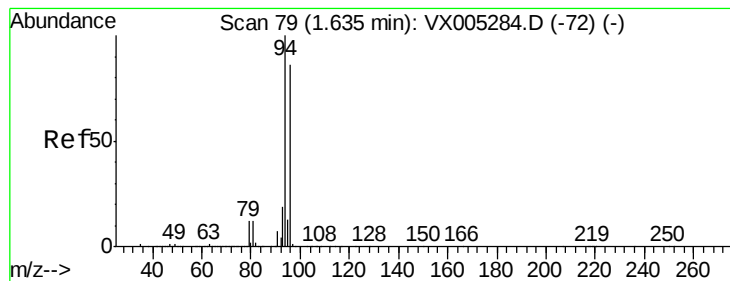
64 29.6 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 40.502 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA_X

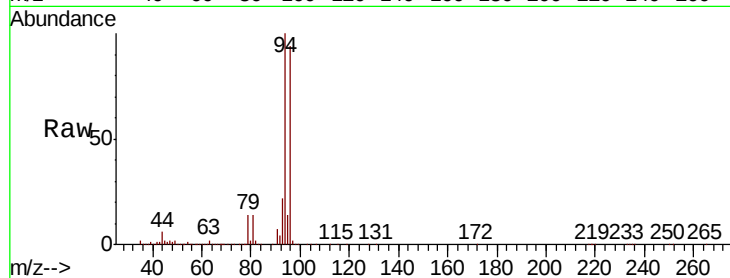
ClientSampleId :

Tot Ion: 94 Resp: 53062

Ion Ratio Lower Upper

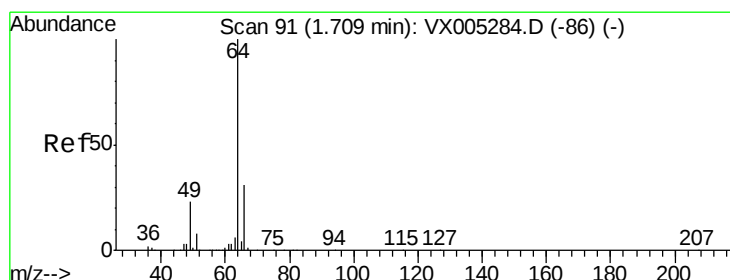
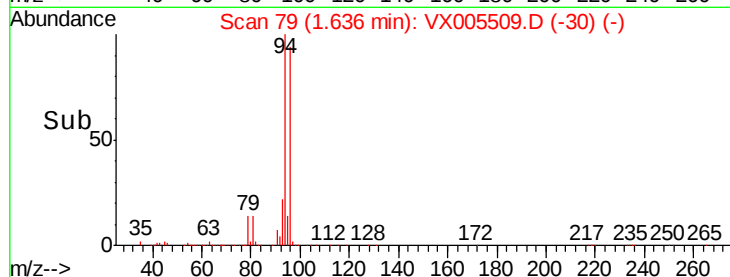
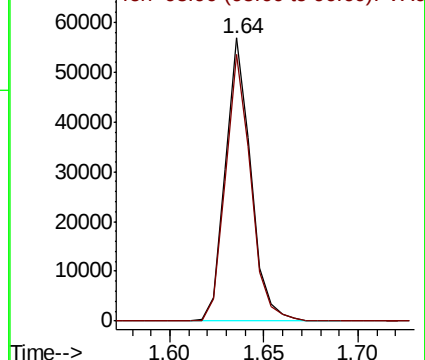
94 100

96 94.2 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.535 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005509.D

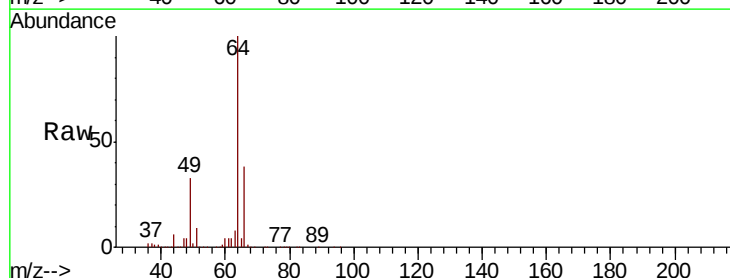
Acq: 23 Oct 2018 09:26

Tgt Ion: 64 Resp: 69361

Ion Ratio Lower Upper

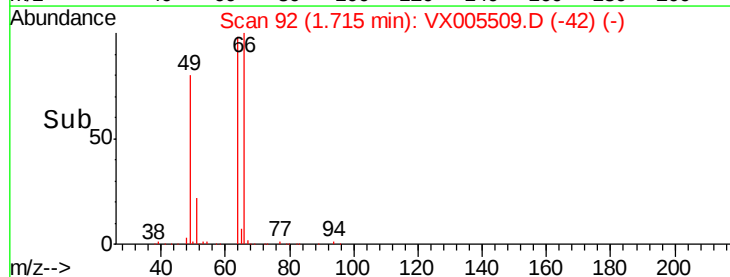
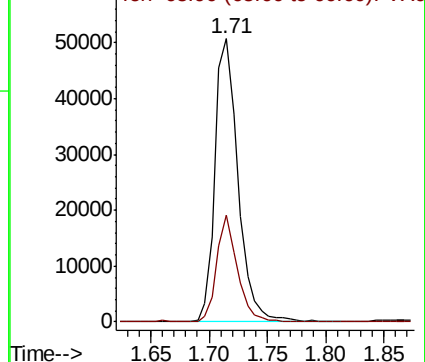
64 100

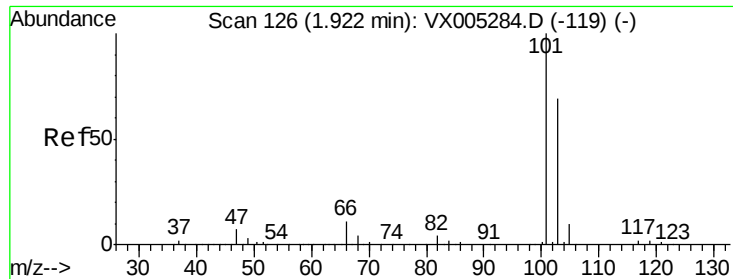
66 37.9 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



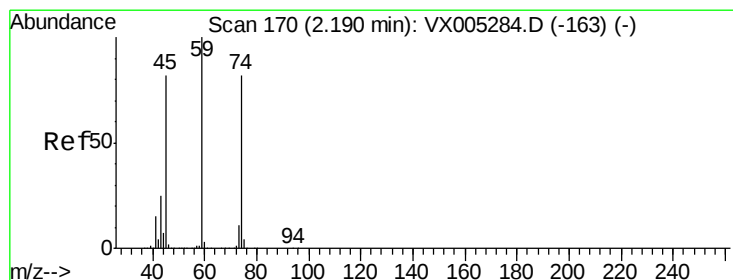
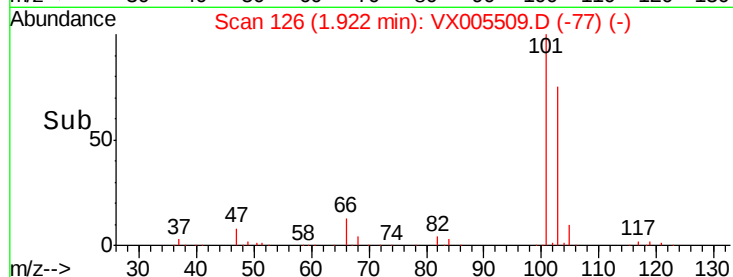
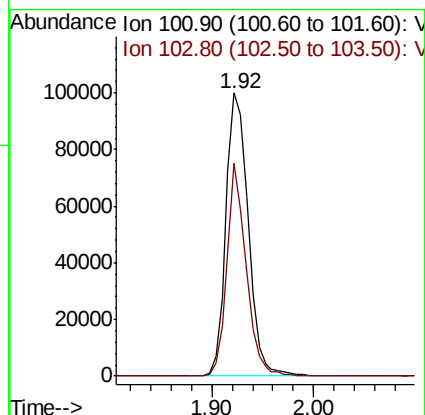
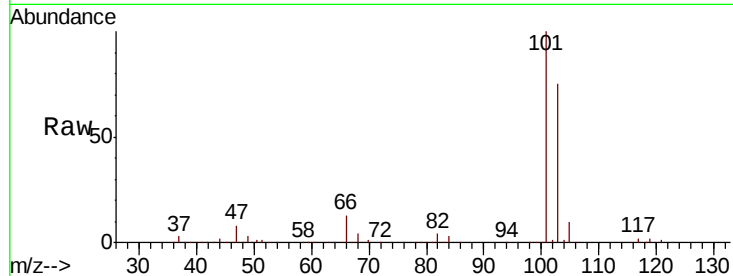


#7

Trichlorofluoromethane
Concen: 48.998 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

Instrument :
MSVOA_X
ClientSampled :

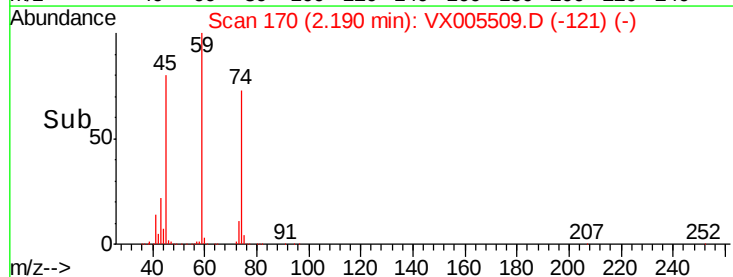
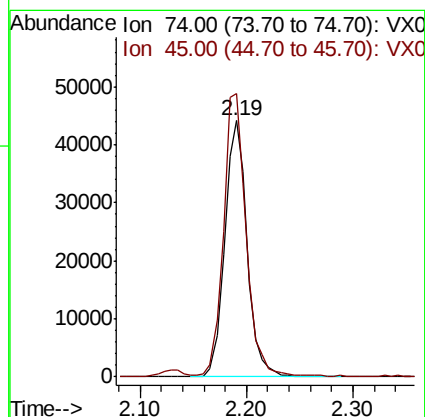
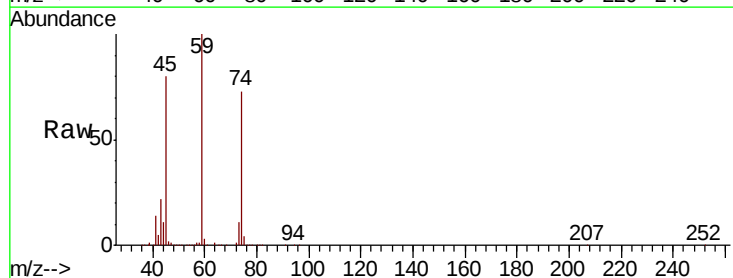
Tot Ion:101 Resp: 152099
Ion Ratio Lower Upper
101 100
103 75.3 48.9 73.3#

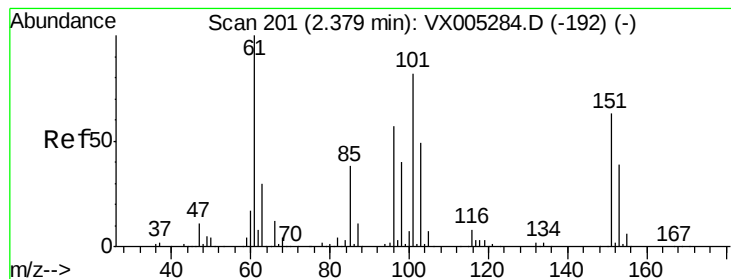


#8

Diethyl Ether
Concen: 48.839 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

Tgt Ion: 74 Resp: 64740
Ion Ratio Lower Upper
74 100
45 111.4 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.120 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA_X

ClientSampled :

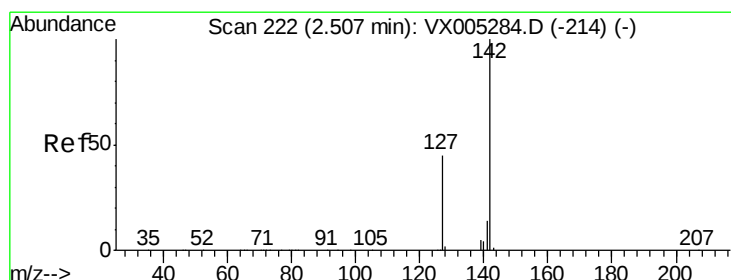
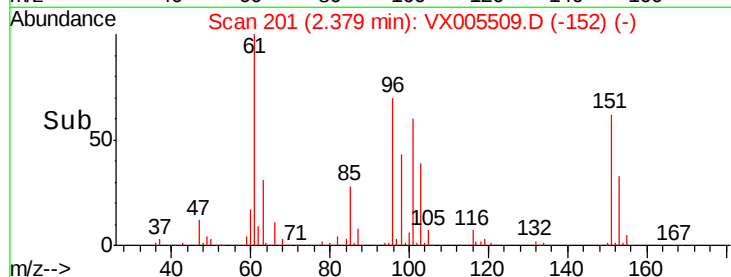
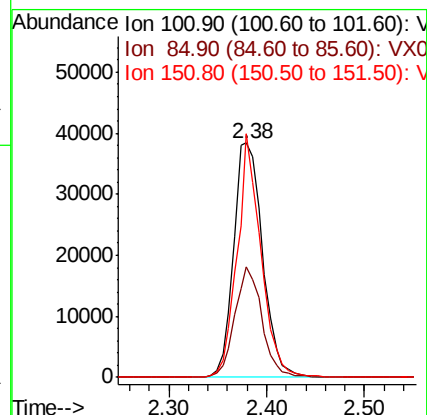
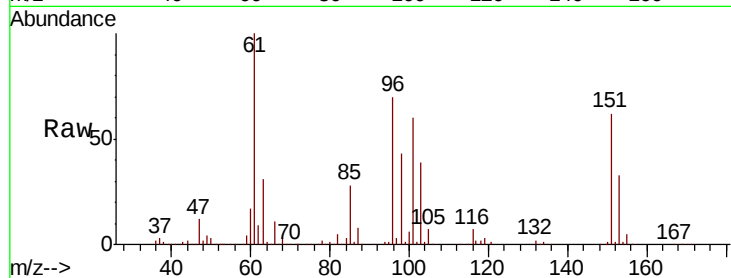
Tot Ion:101 Resp: 79048

Ion Ratio Lower Upper

101 100

85 43.9 34.2 51.4

151 84.7 65.0 97.6



#10

Methyl Iodide

Concen: 43.237 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

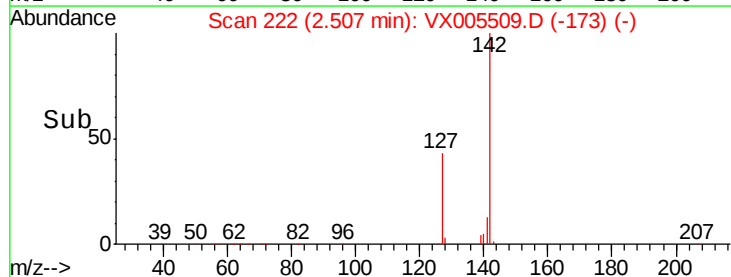
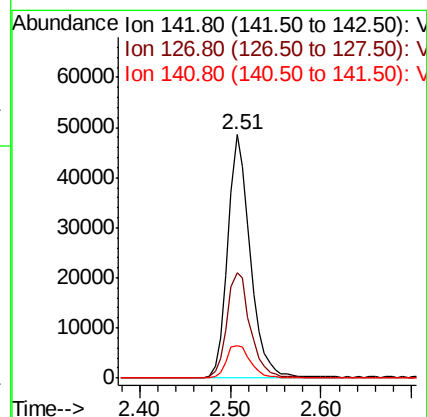
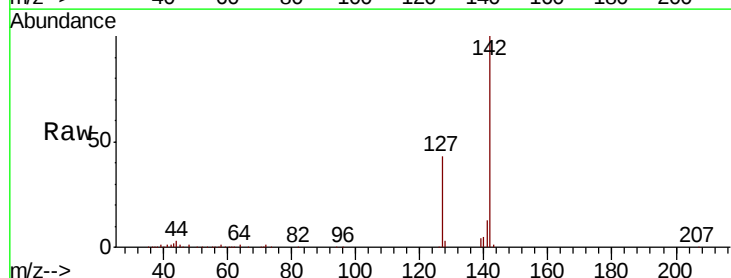
Tgt Ion:142 Resp: 84243

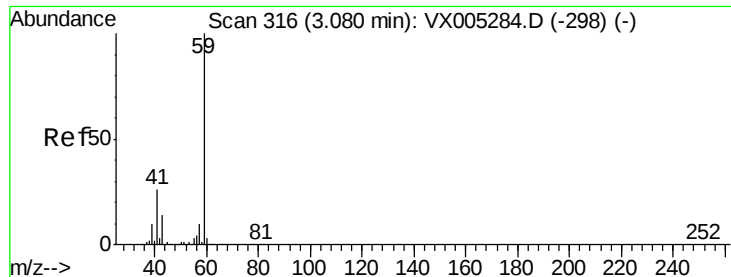
Ion Ratio Lower Upper

142 100

127 44.8 33.8 50.6

141 14.5 11.4 17.0



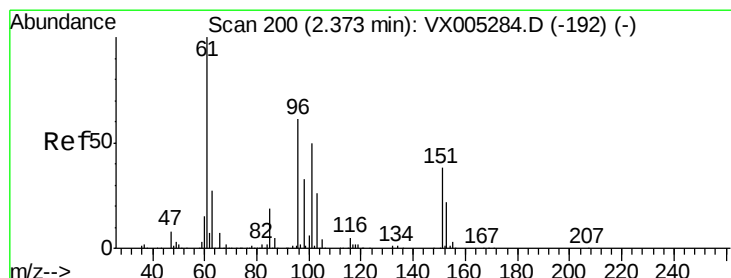
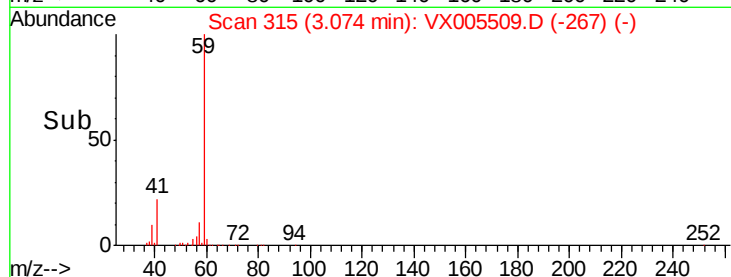
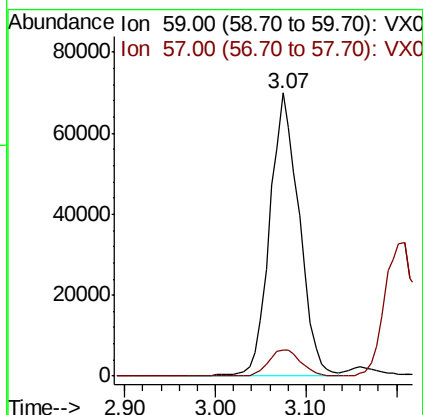
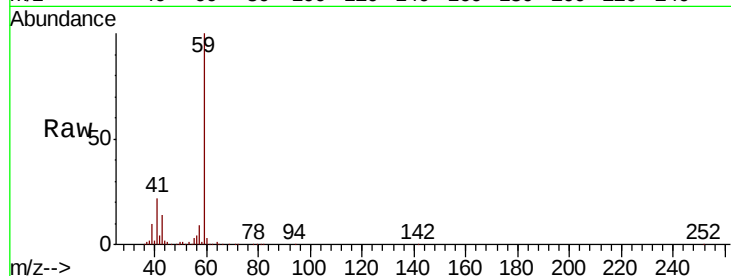


#11

Tert butyl alcohol
Concen: 247.544 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

Instrument :
MSVOA_X
ClientSampled :

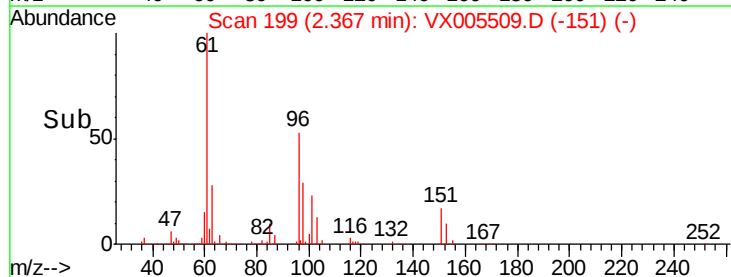
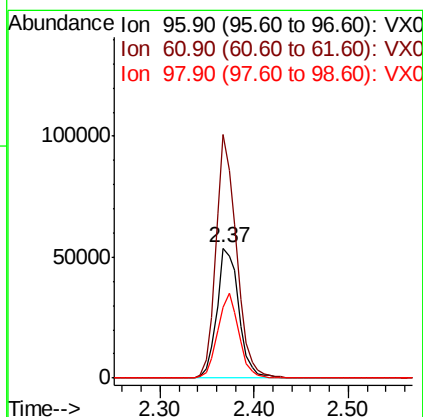
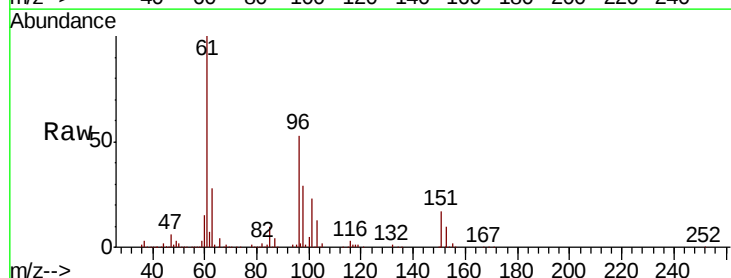
Tot Ion: 59 Resp: 157076
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.4

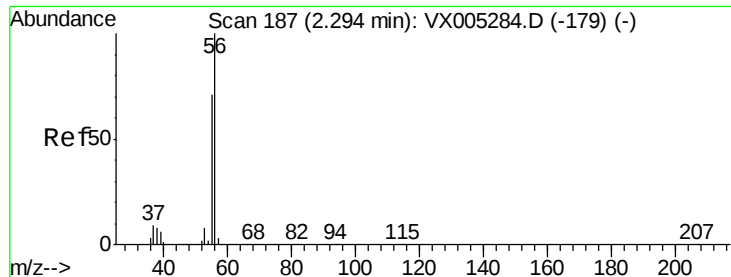


#12

1,1-Dichloroethene
Concen: 49.051 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

Tgt Ion: 96 Resp: 87074
Ion Ratio Lower Upper
96 100
61 187.5 128.8 193.2
98 54.2 52.2 78.2





#13

Acrolein

Concen: 213.215 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

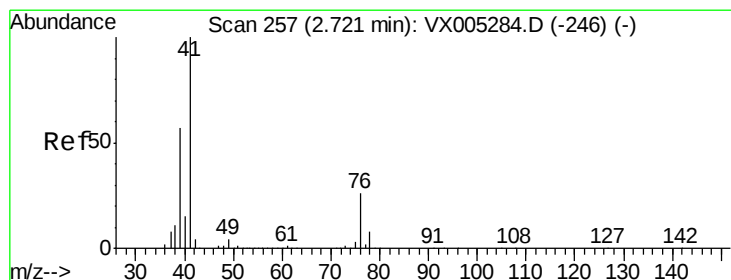
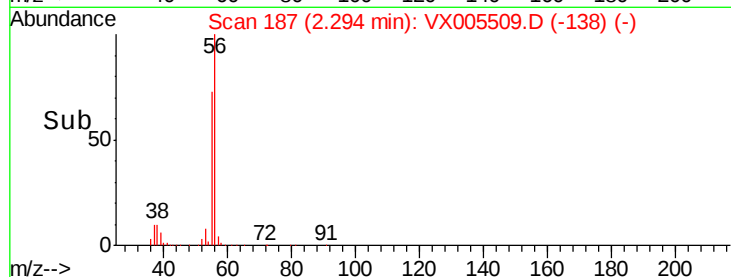
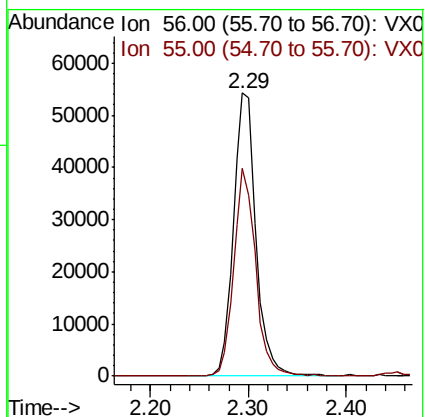
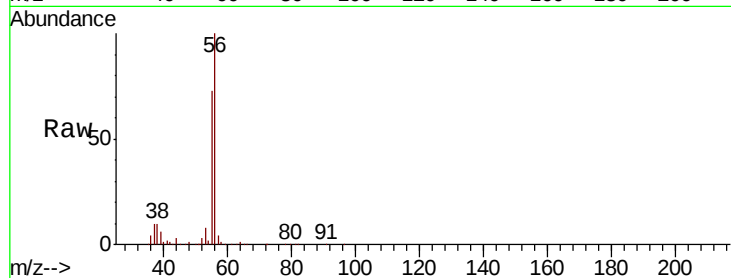
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 86462

Ion Ratio Lower Upper

56 100

55 71.3 54.7 82.1



#14

Allyl chloride

Concen: 48.349 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

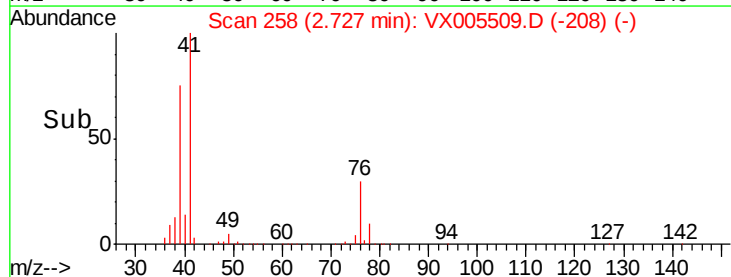
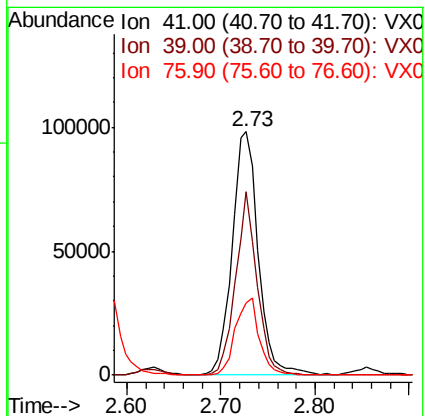
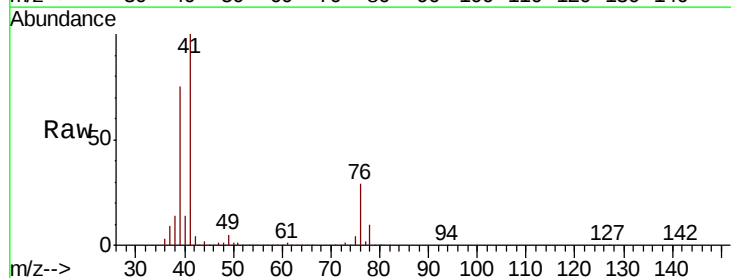
Tgt Ion: 41 Resp: 188433

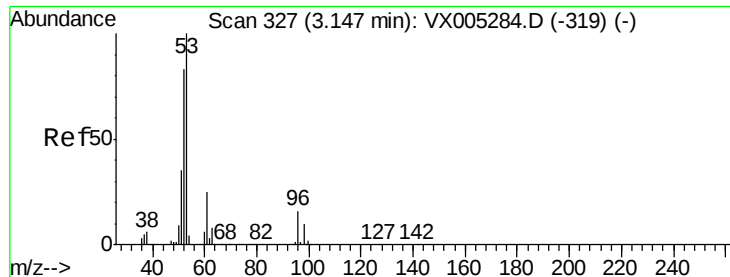
Ion Ratio Lower Upper

41 100

39 61.9 48.9 73.3

76 28.9 26.7 40.1





#15

Acrylonitrile

Concen: 261.388 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :
MSVOA_X
ClientSampled :

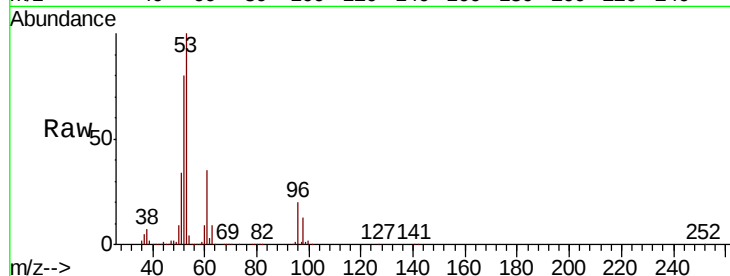
Tot Ion: 53 Resp: 375853

Ion Ratio Lower Upper

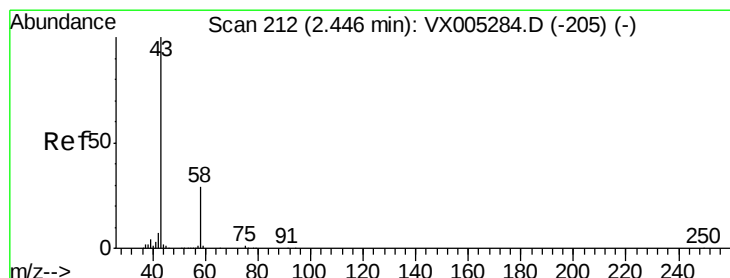
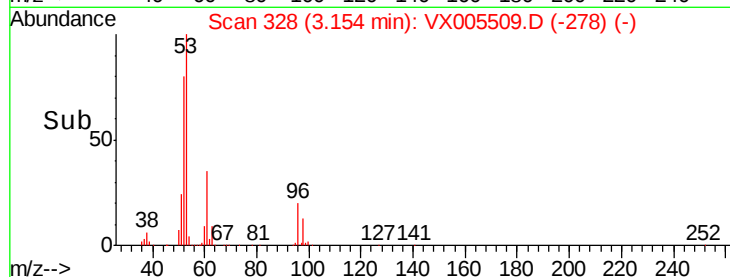
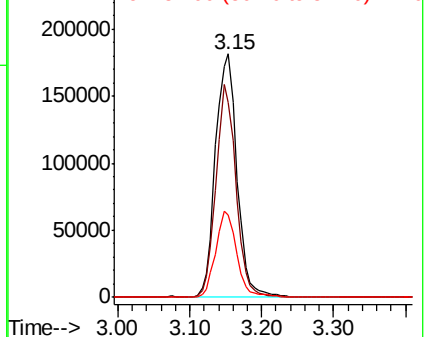
53 100

52 81.2 65.2 97.8

51 34.6 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: 257.351 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005509.D

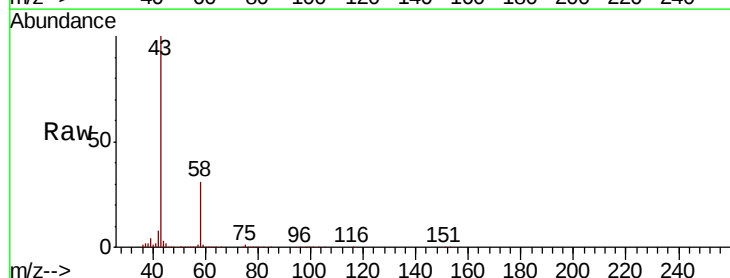
Acq: 23 Oct 2018 09:26

Tgt Ion: 43 Resp: 334713

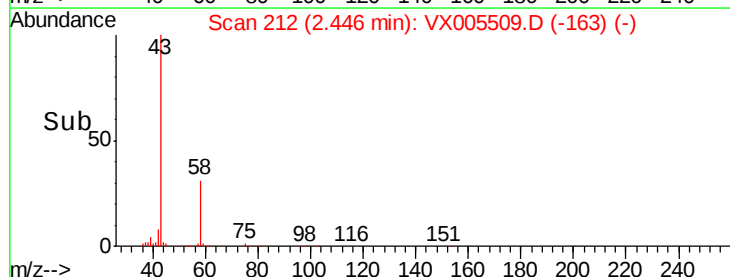
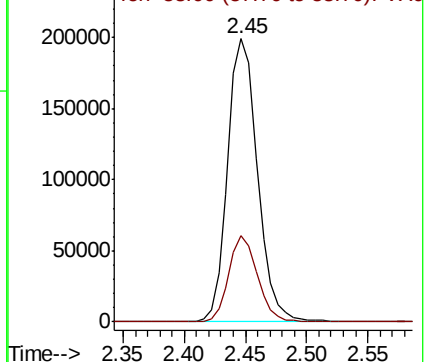
Ion Ratio Lower Upper

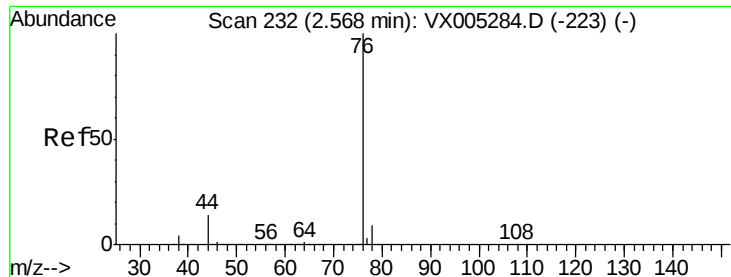
43 100

58 30.7 26.2 39.4



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

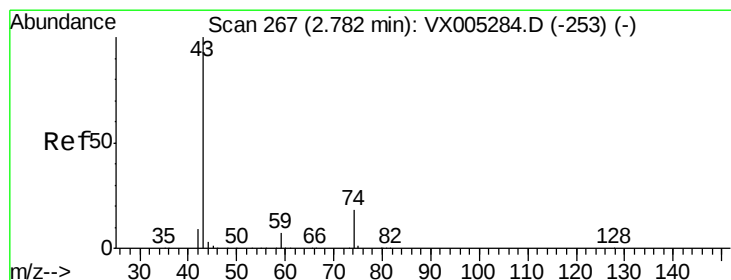
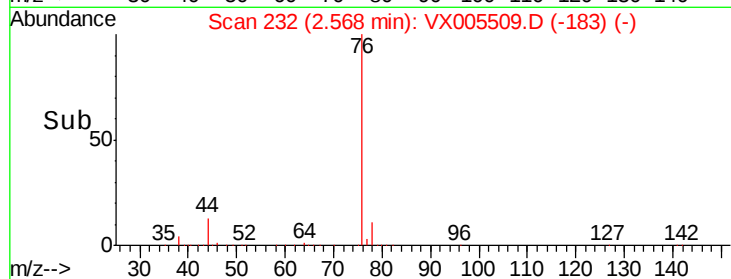
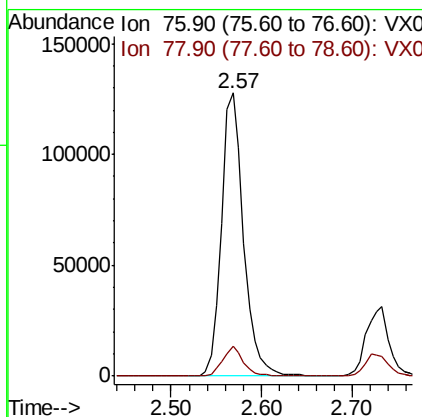
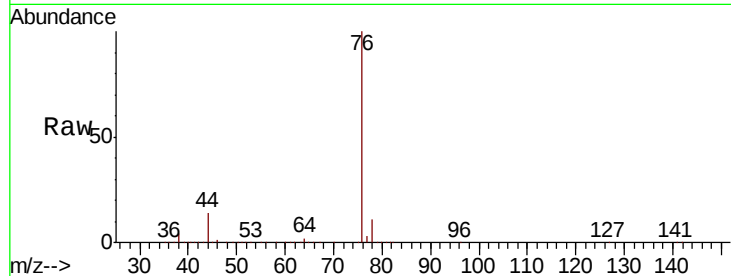




#17
Carbon Disulfide
Concen: 40.253 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

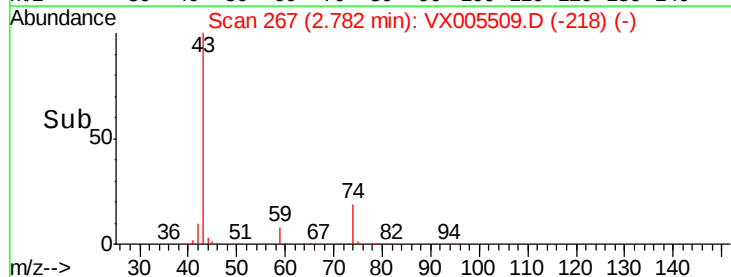
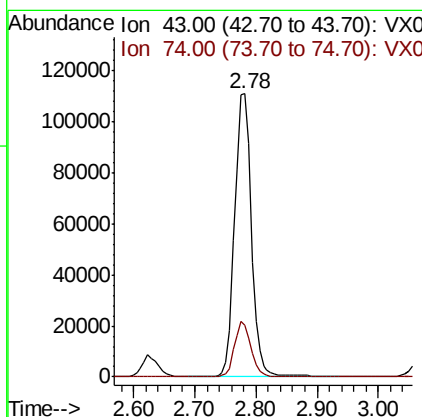
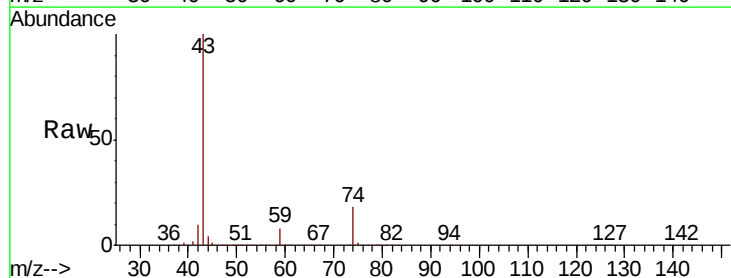
Instrument :
MSVOA_X
ClientSampled :

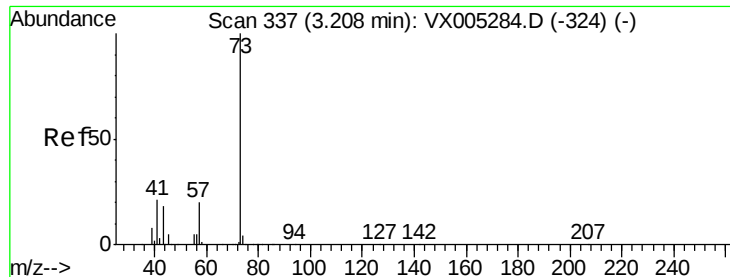
Tot Ion: 76 Resp: 216461
Ion Ratio Lower Upper
76 100
78 10.7 7.0 10.6#



#18
Methyl Acetate
Concen: 55.851 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

Tgt Ion: 43 Resp: 206660
Ion Ratio Lower Upper
43 100
74 19.3 19.4 29.2#

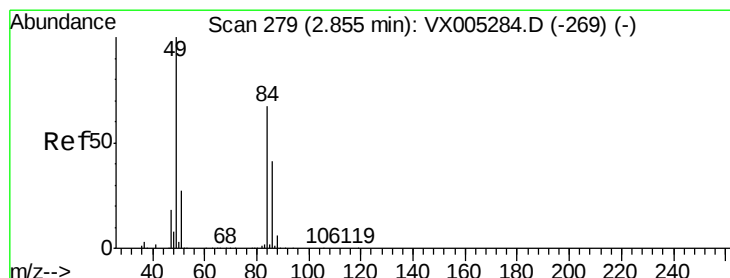
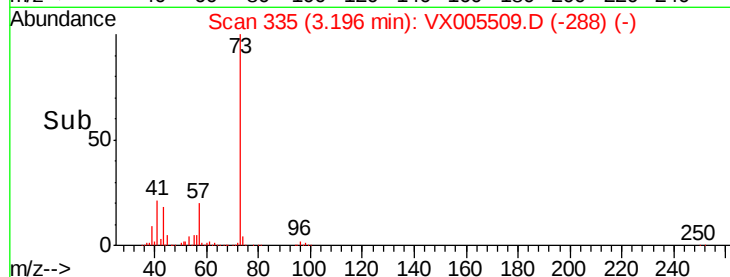
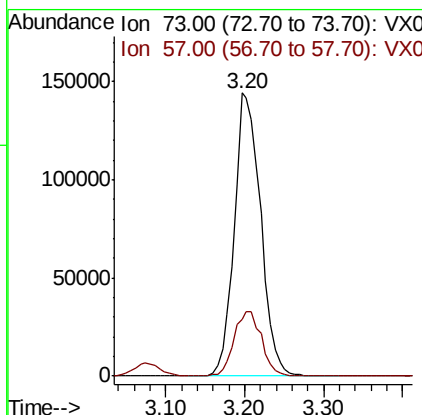
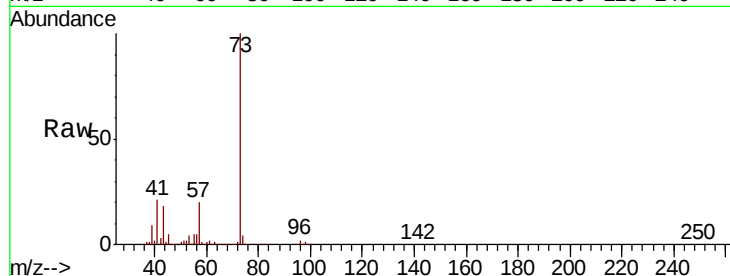




#19
Methyl tert-butyl Ether
Concen: 53.700 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.01 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

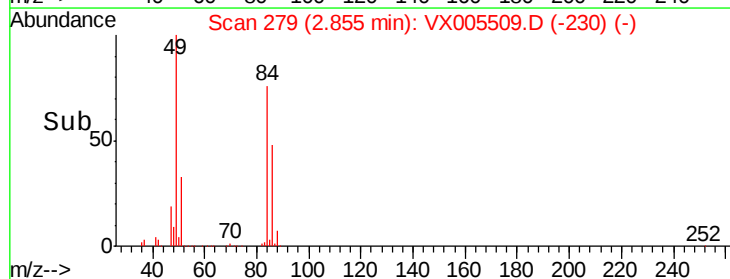
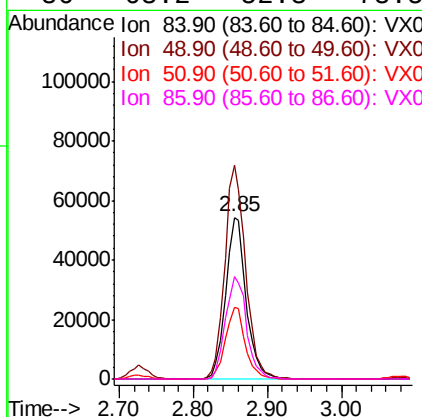
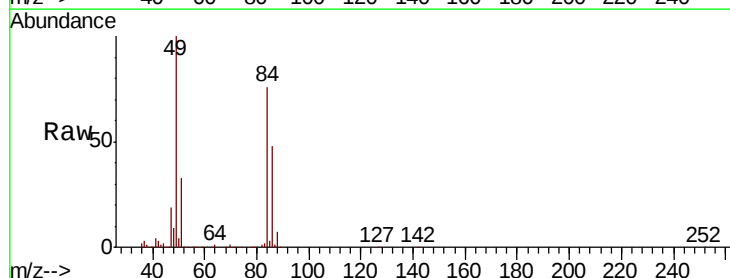
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 73 Resp: 335732
Ion Ratio Lower Upper
73 100
57 20.1 17.1 25.7



#20
Methylene Chloride
Concen: 54.865 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

Tgt Ion: 84 Resp: 103733
Ion Ratio Lower Upper
84 100
49 132.3 101.2 151.8
51 44.1 29.5 44.3
86 63.2 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 45.915 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :
MSVOA_X
ClientSampled :

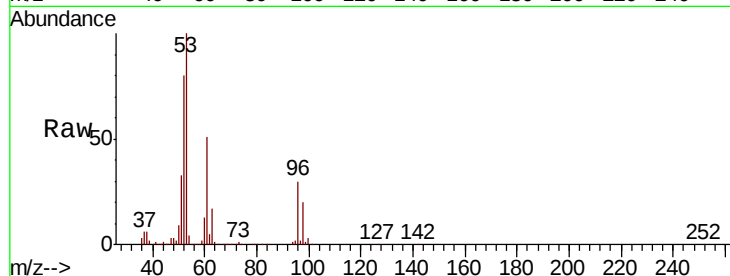
Tot Ion: 96 Resp: 90327

Ion Ratio Lower Upper

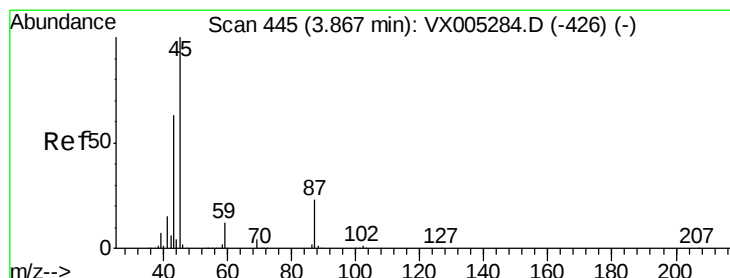
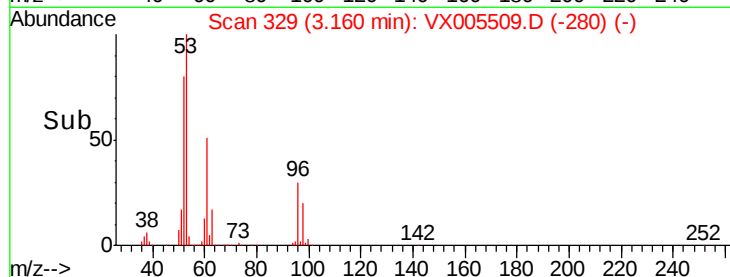
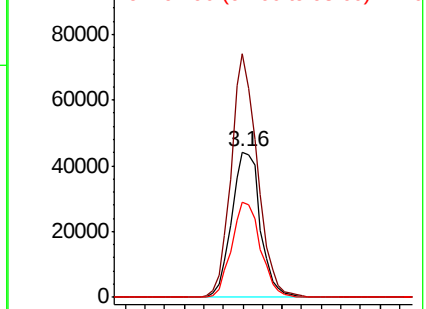
96 100

61 167.4 113.8 170.6

98 65.7 51.8 77.8



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: 54.858 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Tgt Ion: 45 Resp: 359112

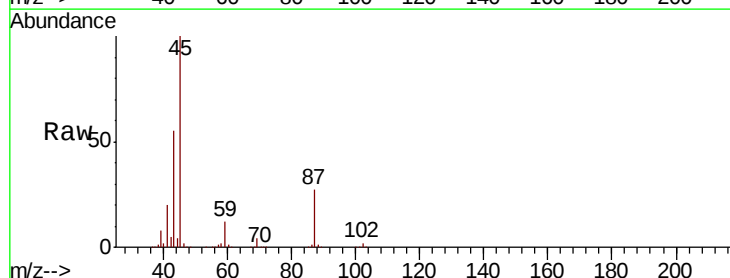
Ion Ratio Lower Upper

45 100

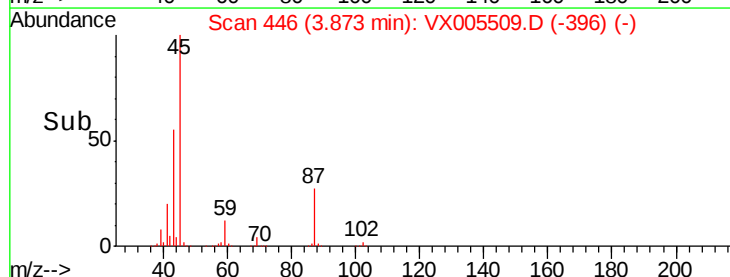
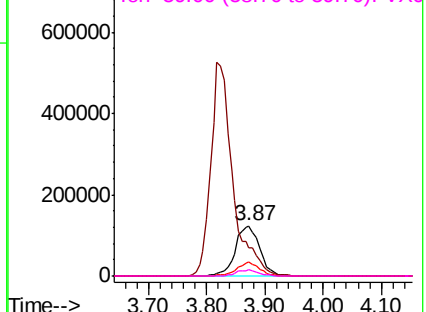
43 54.8 42.8 64.2

87 27.3 22.6 34.0

59 11.6 9.6 14.4



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: 240.910 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA_X

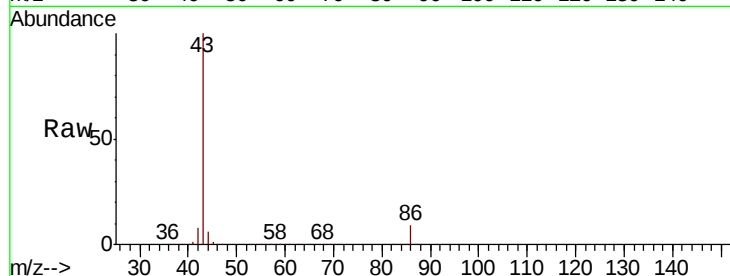
ClientSampleId :

Tot Ion: 43 Resp: 1378384

Ion Ratio Lower Upper

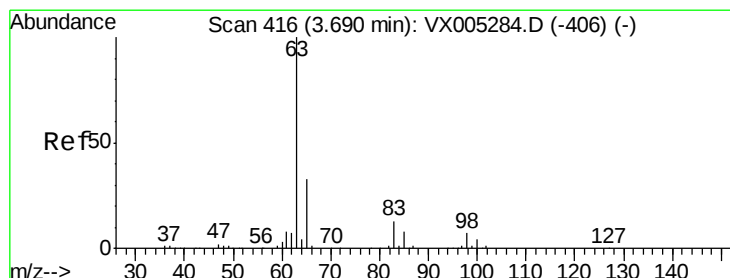
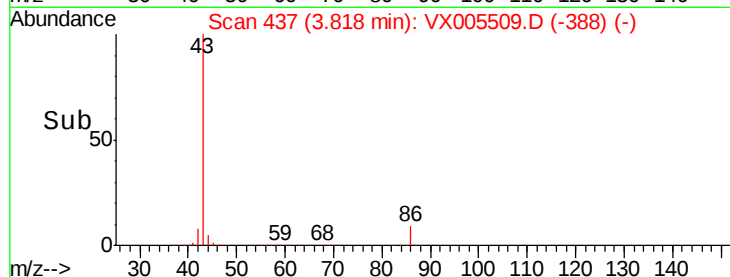
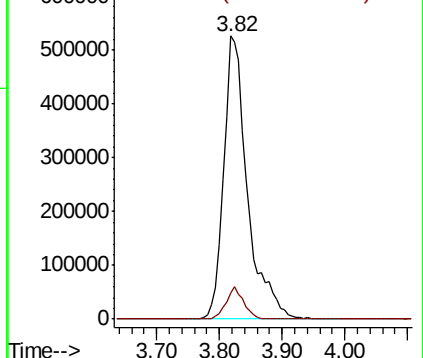
43 100

86 9.0 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 52.832 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

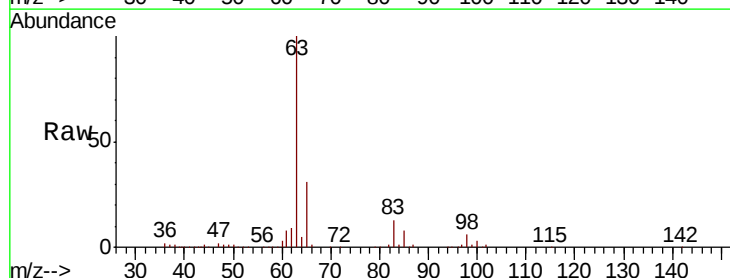
Tgt Ion: 63 Resp: 198211

Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.4

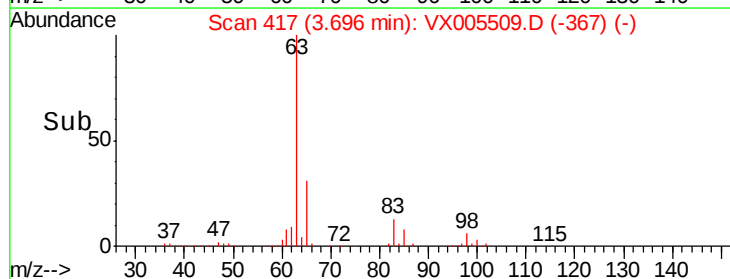
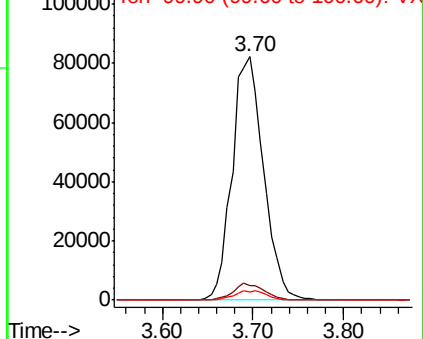
100 3.4 2.4 7.1

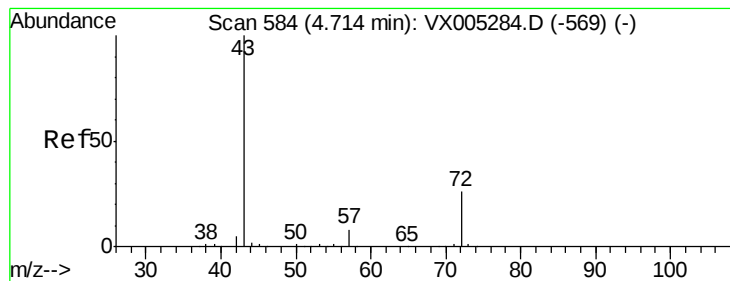


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 269.207 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA_X

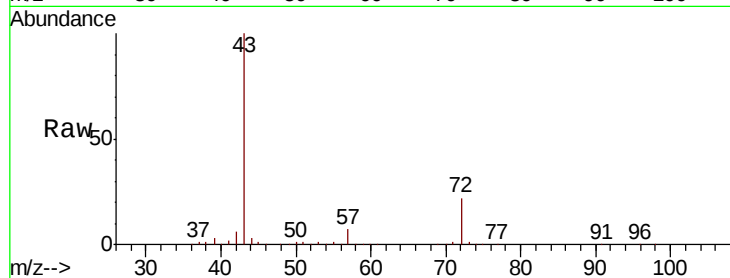
ClientSampleId :

Tot Ion: 43 Resp: 512287

Ion Ratio Lower Upper

43 100

72 21.8 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

200000

150000

100000

50000

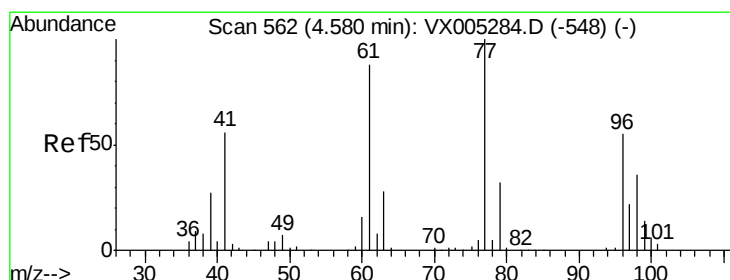
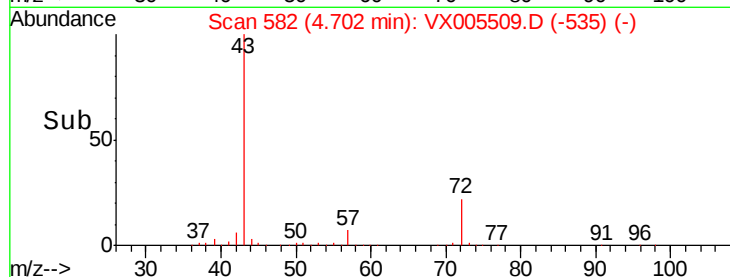
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 32.344 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX005509.D

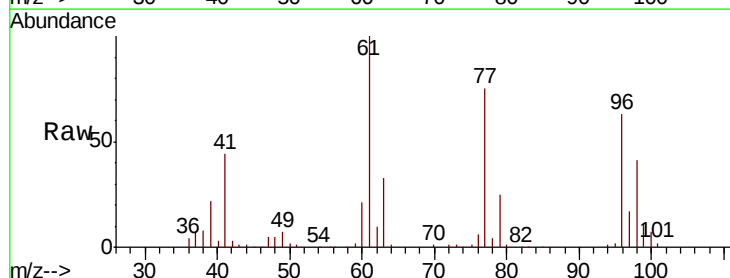
Acq: 23 Oct 2018 09:26

Tgt Ion: 77 Resp: 90752

Ion Ratio Lower Upper

77 100

97 24.6 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

30000

25000

20000

15000

10000

5000

0

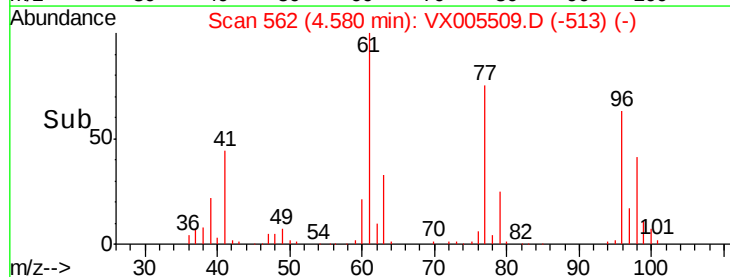
4.40

4.50

4.60

4.70

Time-->



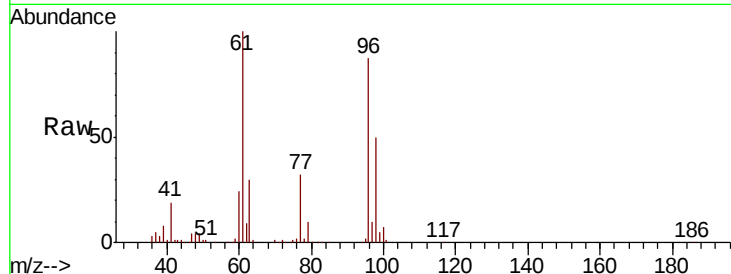


#27

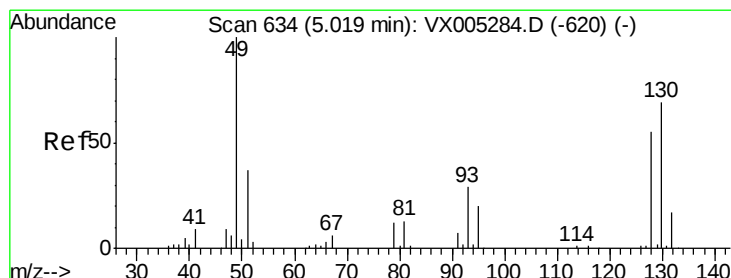
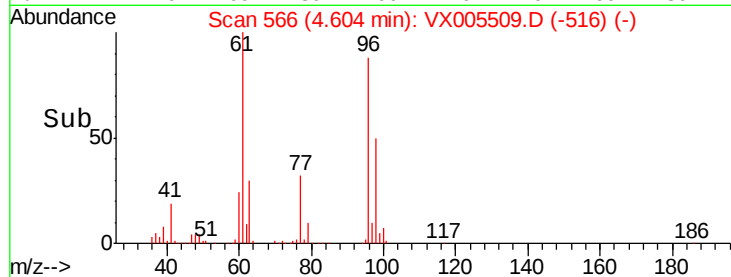
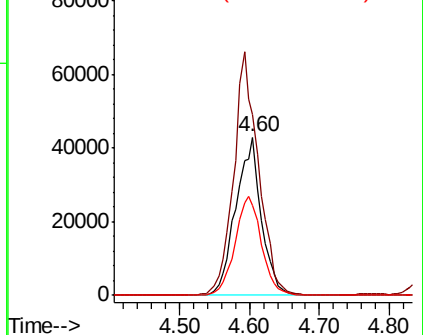
cis-1,2-Dichloroethene
Concen: 50.697 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.2	0.0	282.6
98	64.7	0.0	130.2



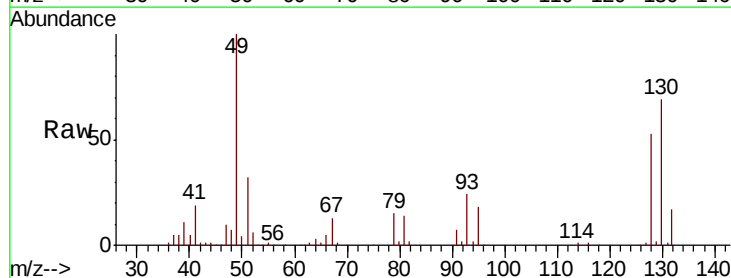
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



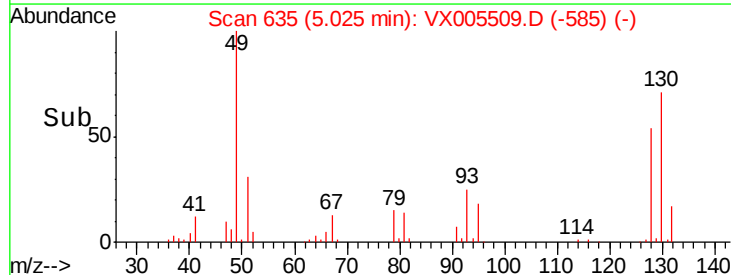
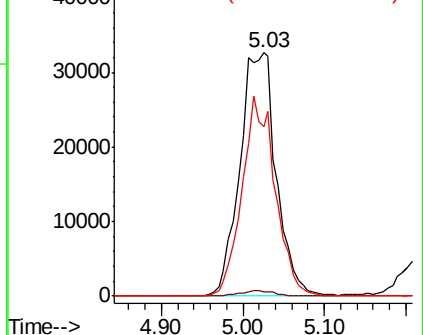
#28

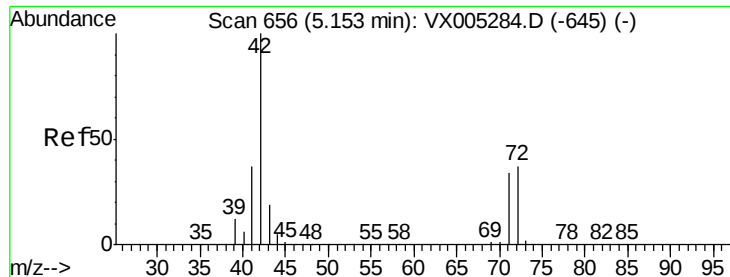
Bromochloromethane
Concen: 59.327 ug/l
RT: 5.03 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	74.5	67.5	101.3



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

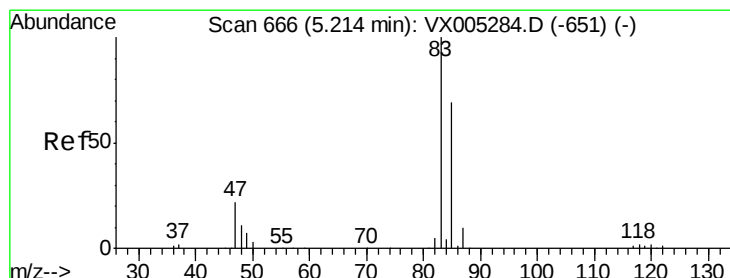
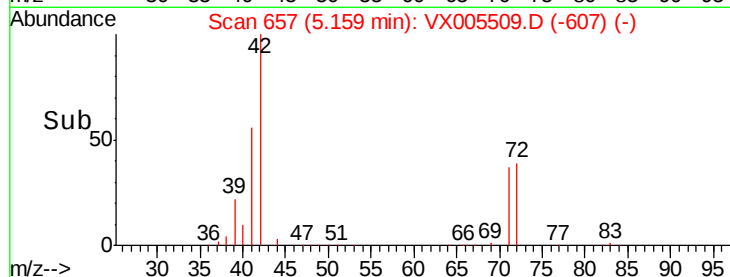
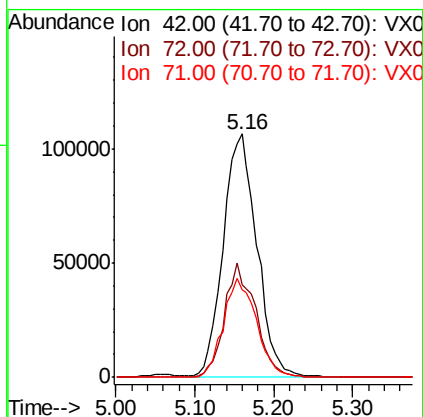
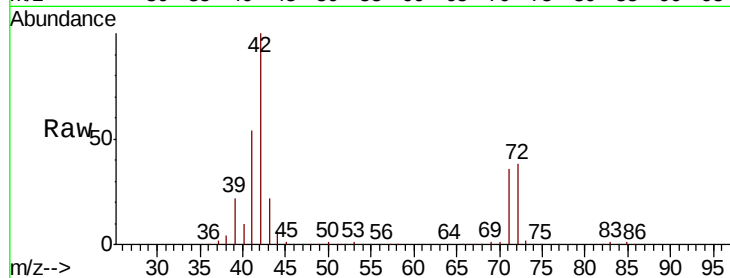




#29
Tetrahydrofuran
Concen: 259.866 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

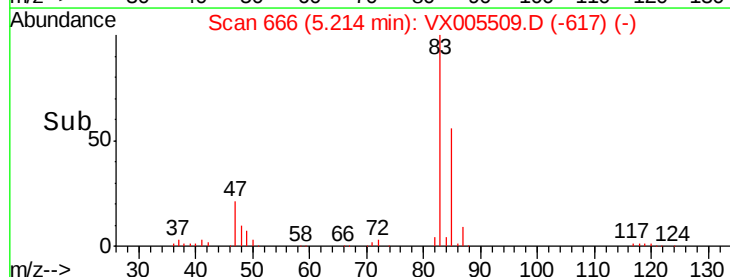
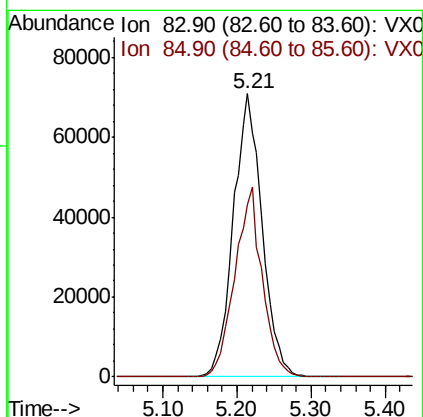
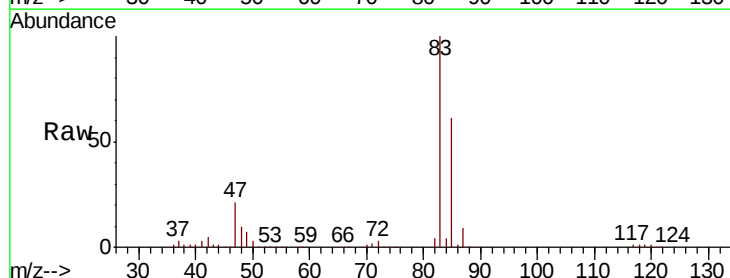
Instrument :
MSVOA_X
ClientSampled :

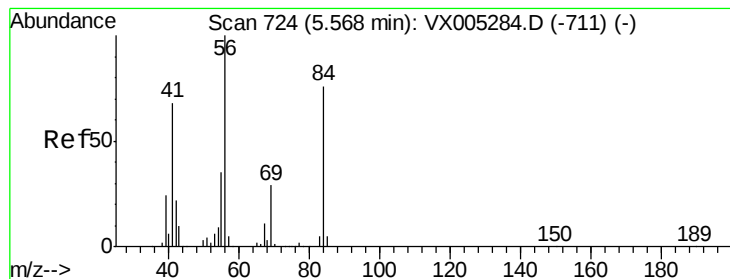
Tot Ion: 42 Resp: 315435
Ion Ratio Lower Upper
42 100
72 43.3 37.4 56.0
71 39.9 34.5 51.7



#30
Chloroform
Concen: 55.173 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

Tgt Ion: 83 Resp: 192127
Ion Ratio Lower Upper
83 100
85 60.6 52.6 79.0





#31

Cyclohexane

Concen: 43.501 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.01 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA_X

ClientSampled :

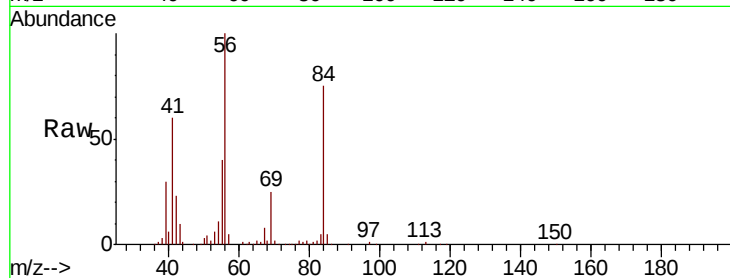
Tot Ion: 56 Resp: 134511

Ion Ratio Lower Upper

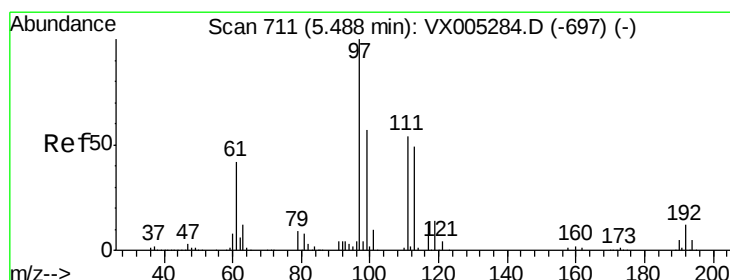
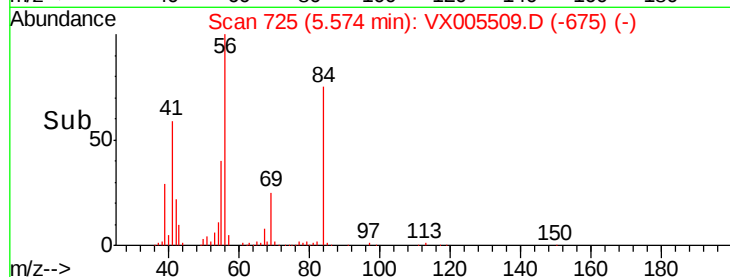
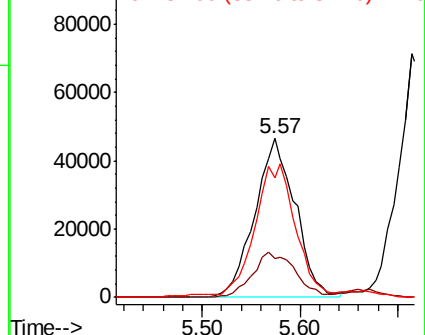
56 100

69 24.8 25.4 38.2#

84 72.9 71.4 107.2



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



#32

1,1,1-Trichloroethane

Concen: 51.661 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

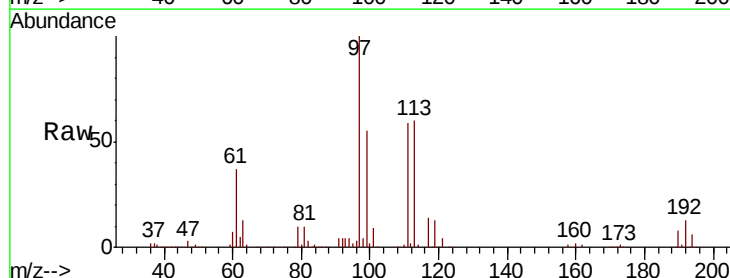
Tgt Ion: 97 Resp: 156533

Ion Ratio Lower Upper

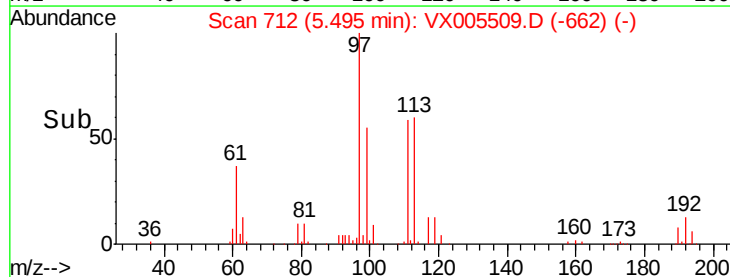
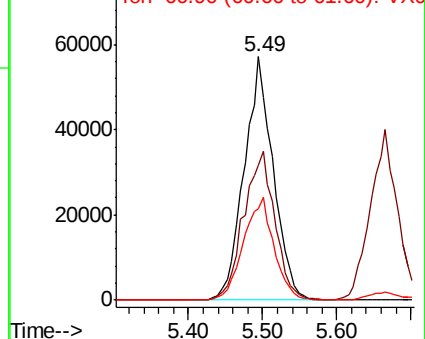
97 100

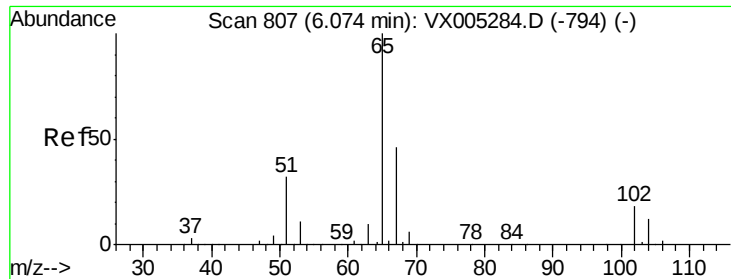
99 65.3 52.0 78.0

61 44.2 34.9 52.3



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





#33

1,2-Dichloroethane-d4

Concen: 55.687 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA_X

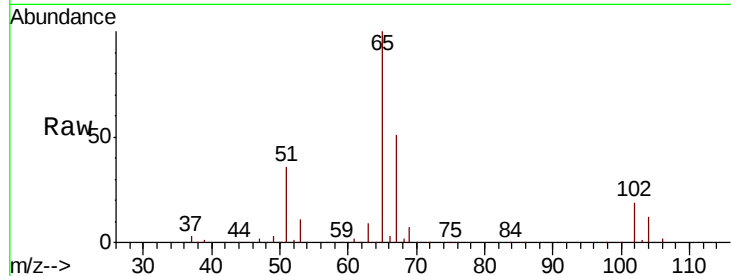
ClientSampled :

Tot Ion: 65 Resp: 125265

Ion Ratio Lower Upper

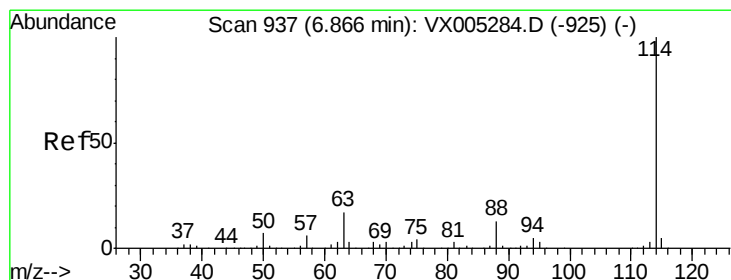
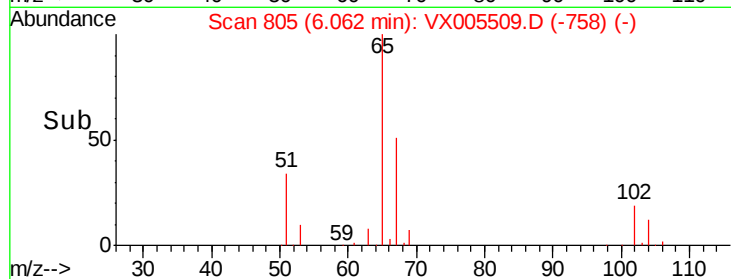
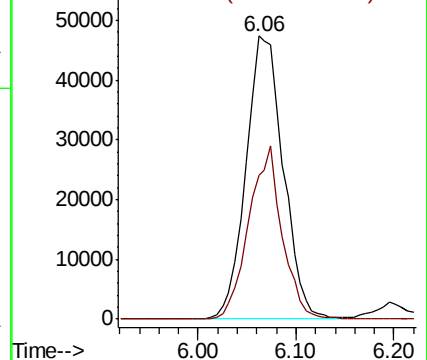
65 100

67 54.6 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.01 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

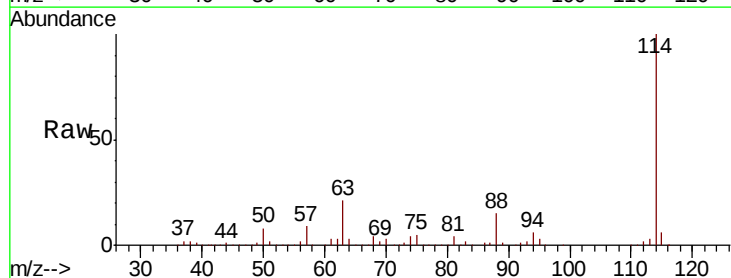
Tgt Ion: 114 Resp: 281597

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.0

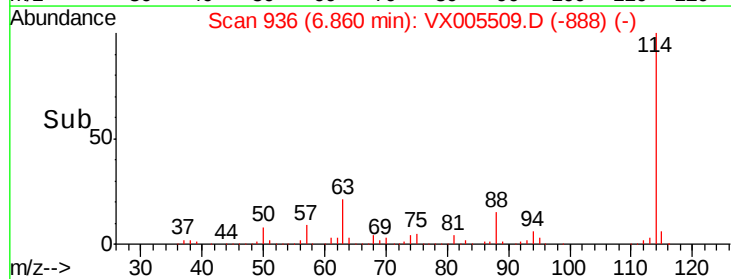
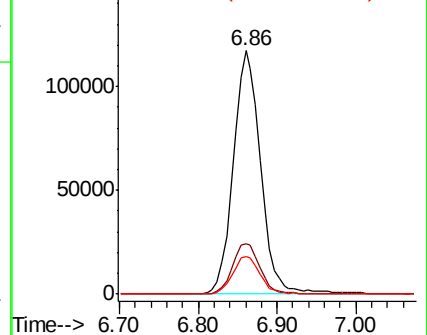
88 15.4 0.0 30.4

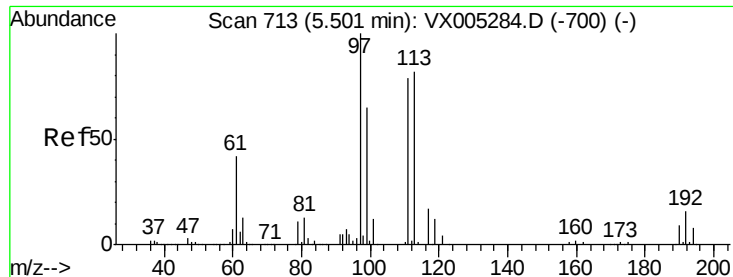


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

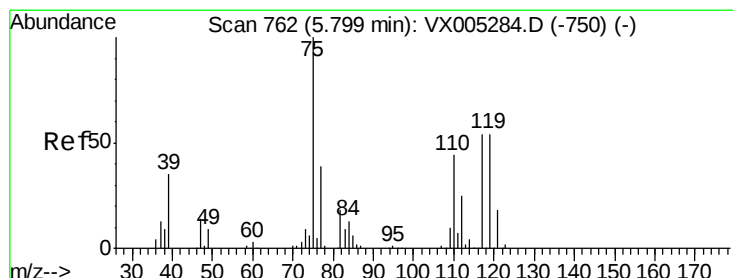
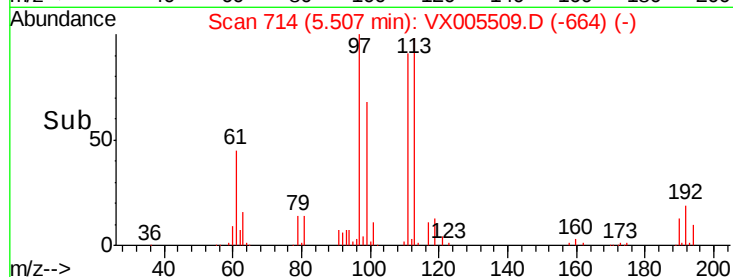
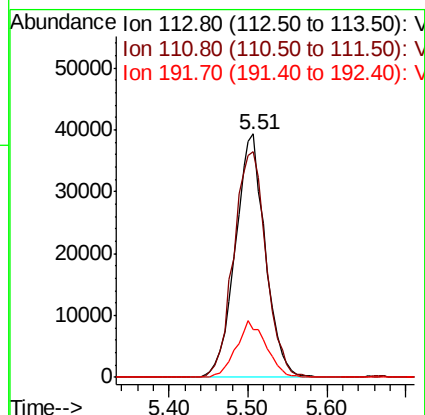
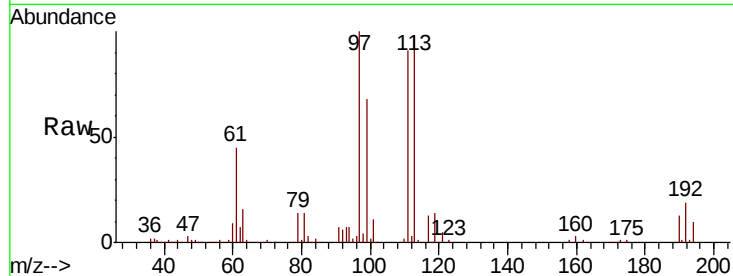




#35
 Dibromofluoromethane
 Concen: 55.690 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005509.D
 Acq: 23 Oct 2018 09:26

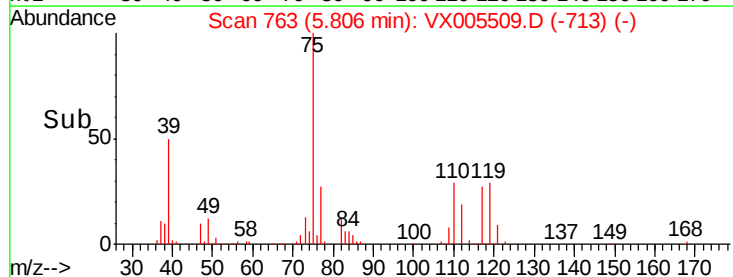
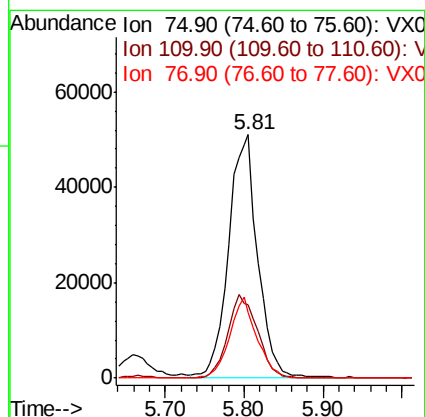
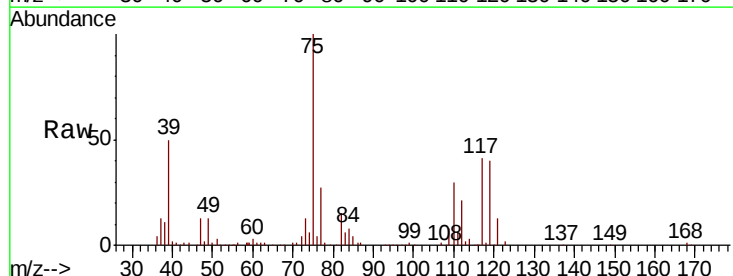
Instrument :
 MSVOA_X
 ClientSampleId :

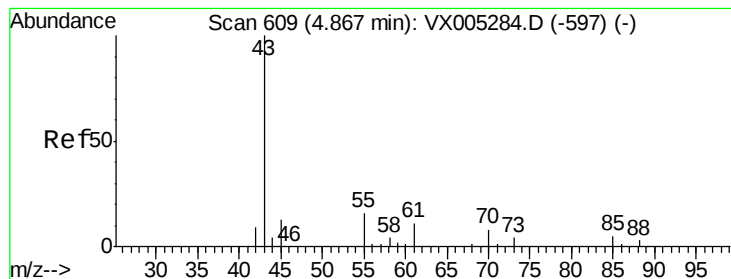
Tot Ion:113 Resp: 103866
 Ion Ratio Lower Upper
 113 100
 111 100.6 82.4 123.6
 192 23.2 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 47.457 ug/l
 RT: 5.81 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VX005509.D
 Acq: 23 Oct 2018 09:26

Tgt Ion: 75 Resp: 129427
 Ion Ratio Lower Upper
 75 100
 110 35.6 18.0 54.0
 77 31.9 24.6 36.8





#37

Ethyl Acetate

Concen: 48.859 ug/l

RT: 4.86 min Scan# 608

Delta R.T. -0.01 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA_X

ClientSampleId :

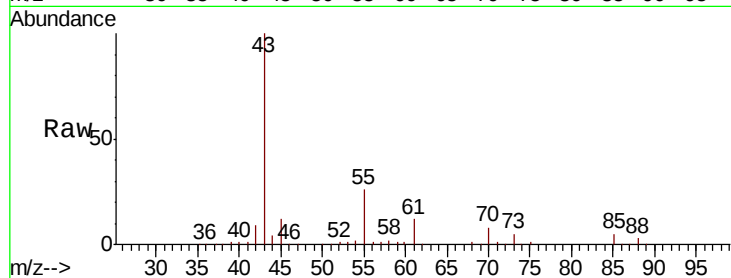
Tot Ion: 43 Resp: 171364

Ion Ratio Lower Upper

43 100

61 13.5 11.5 17.3

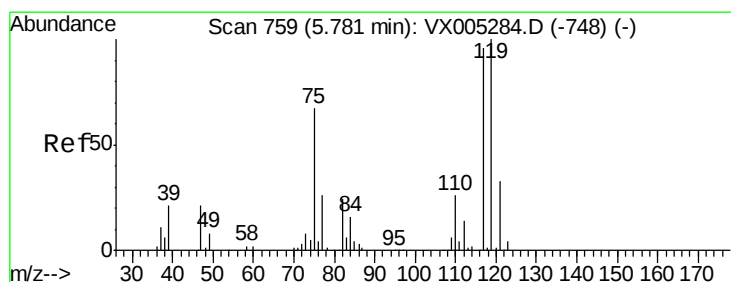
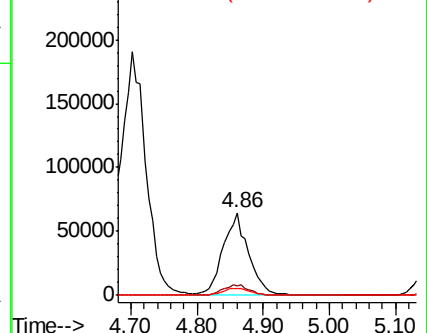
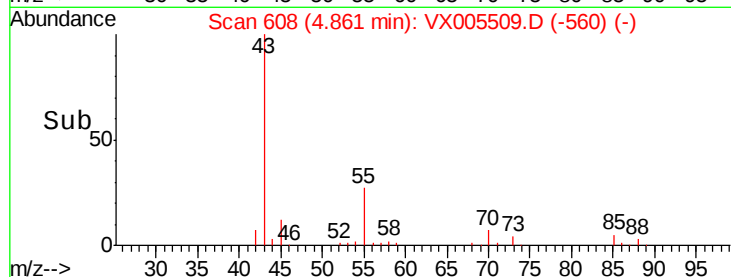
70 9.8 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX005509.D (-560) (-)

Ion 60.90 (60.60 to 61.60): VX005509.D (-560) (-)

Ion 70.00 (69.70 to 70.70): VX005509.D (-560) (-)



#38

Carbon Tetrachloride

Concen: 49.217 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

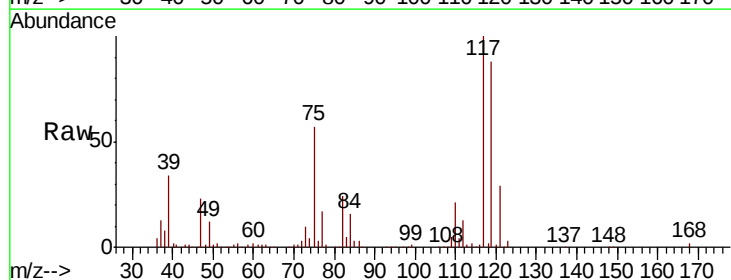
Tgt Ion: 117 Resp: 134871

Ion Ratio Lower Upper

117 100

119 87.6 78.8 118.2

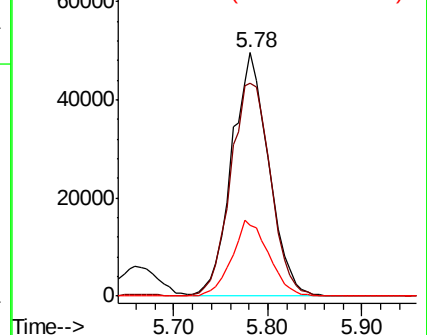
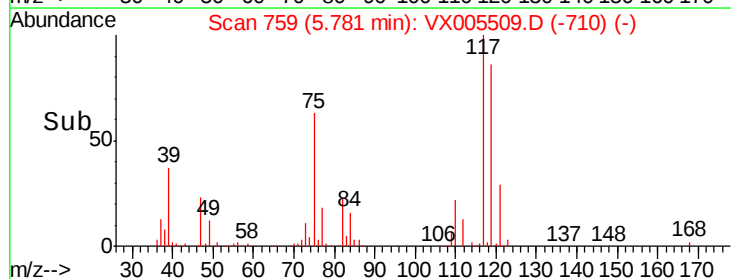
121 29.2 24.9 37.3

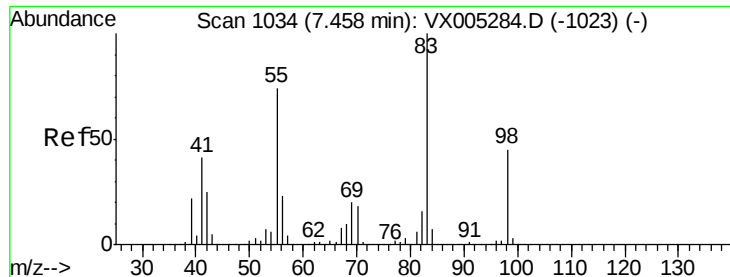


Abundance Ion 116.80 (116.50 to 117.50): VX005509.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX005509.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX005509.D (-710) (-)

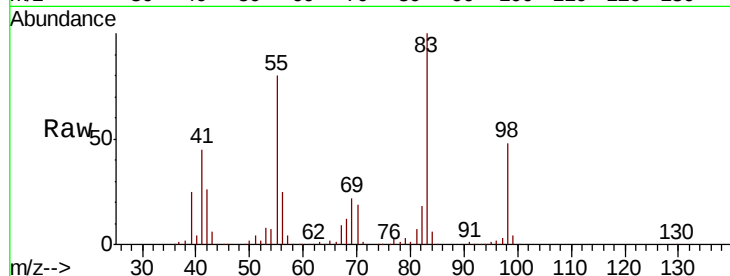




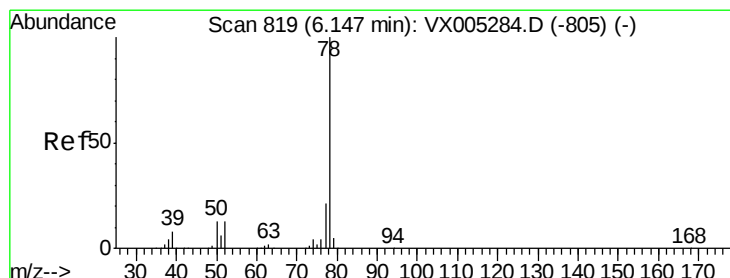
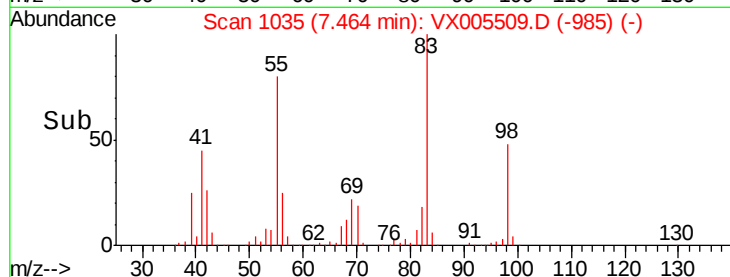
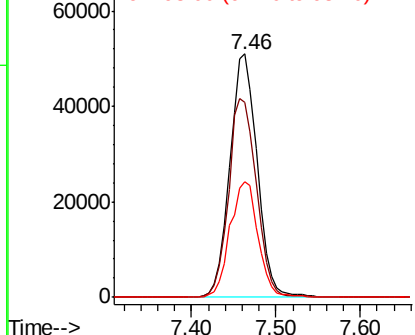
#39
Methvlcvclohexane
Concen: 38.064 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 112351
Ion Ratio Lower Upper
83 100
55 80.0 61.0 91.4
98 47.6 39.6 59.4

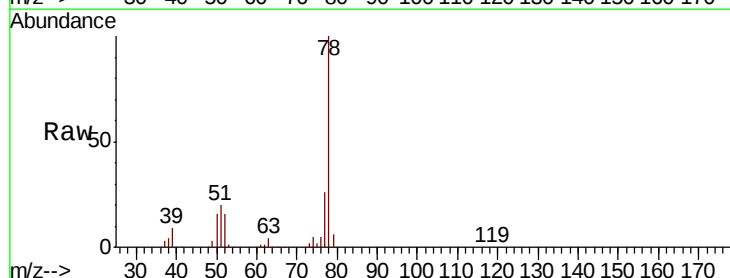


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

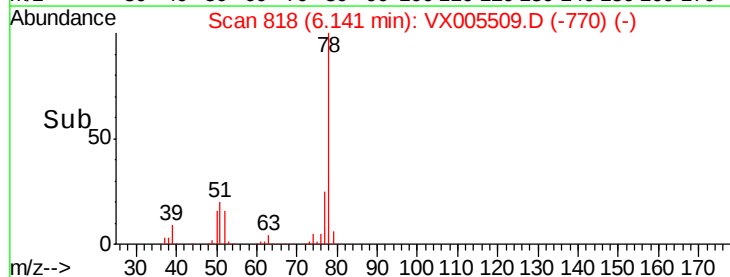
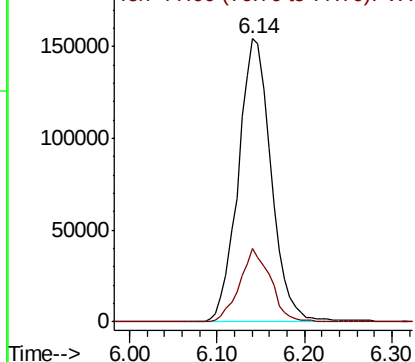


#40
Benzene
Concen: 49.144 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

Tgt Ion: 78 Resp: 402054
Ion Ratio Lower Upper
78 100
77 25.8 19.0 28.4



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

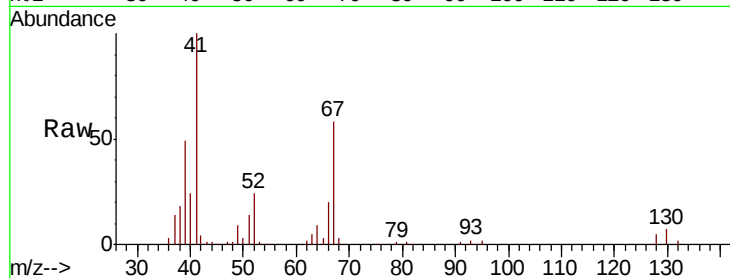




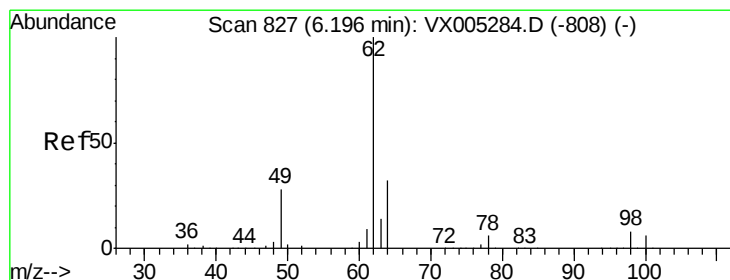
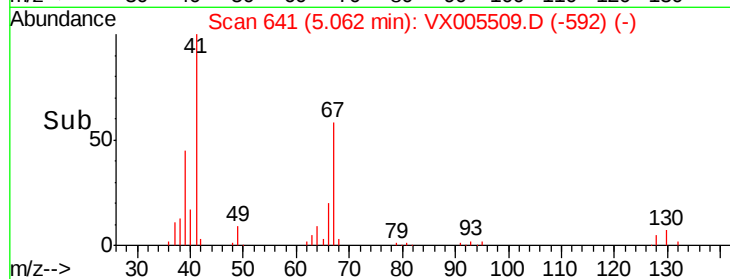
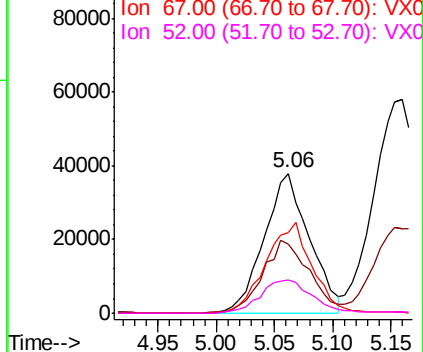
#41
Methacrylonitrile
Concen: 54.077 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	41	Resp:	101681
Ion	Ratio	Lower	Upper
41	100		
39	54.0	42.4	63.6
67	67.6	59.2	88.8
52	26.8	23.0	34.4

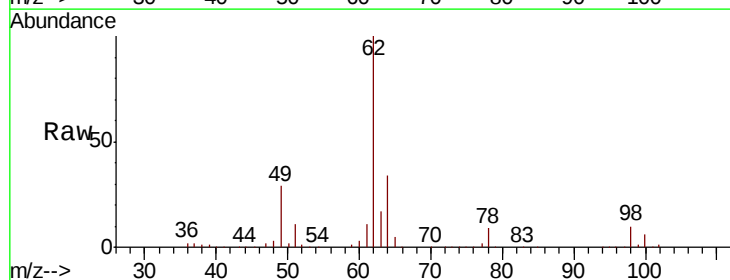


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

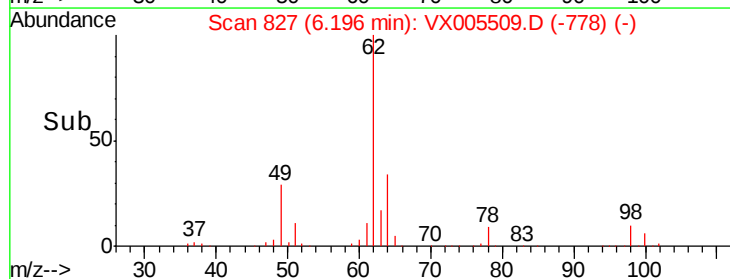
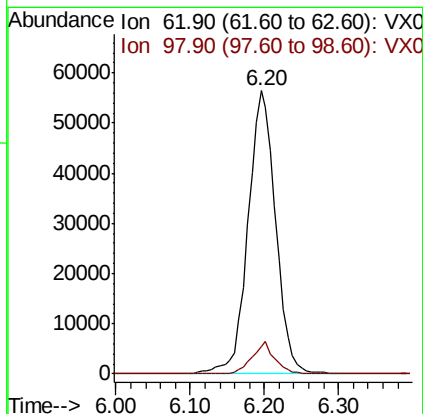


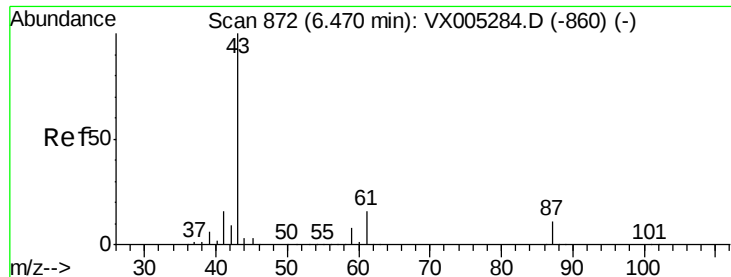
#42
1,2-Dichloroethane
Concen: 50.778 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

Tgt Ion:	62	Resp:	146685
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	20.6



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



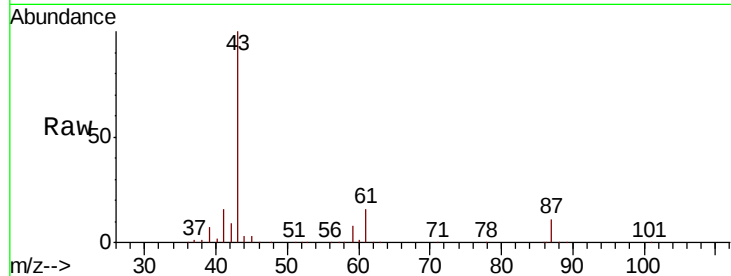


#43

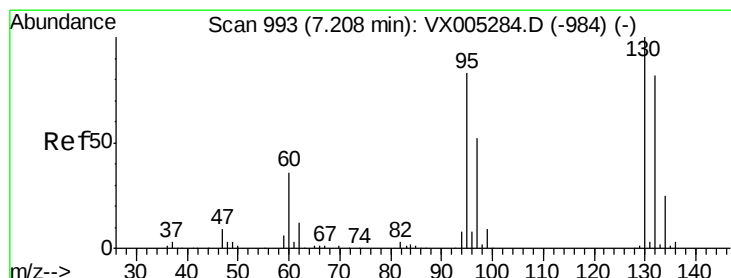
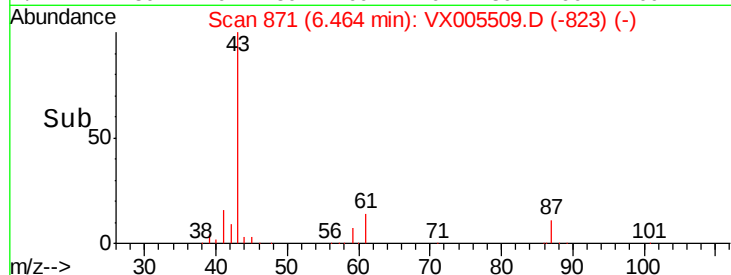
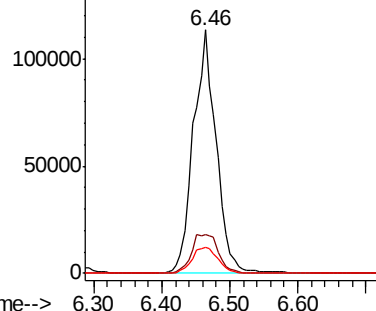
Isopropyl Acetate
 Concen: 56.216 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.01 min
 Lab File: VX005509.D
 Acq: 23 Oct 2018 09:26

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	43	Resp	262645
Ion Ratio	Lower	Upper	
43	100		
61	19.2	17.0	25.4
87	12.0	11.4	17.2



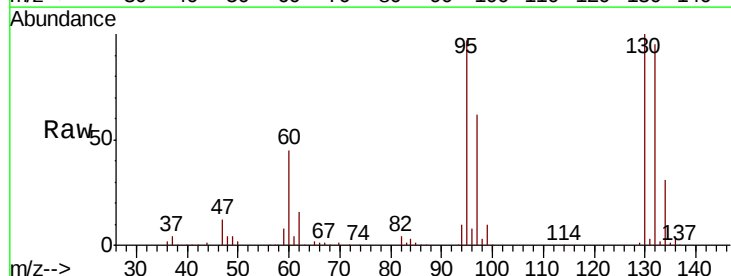
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



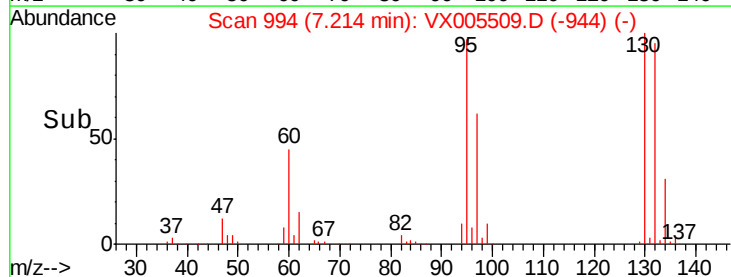
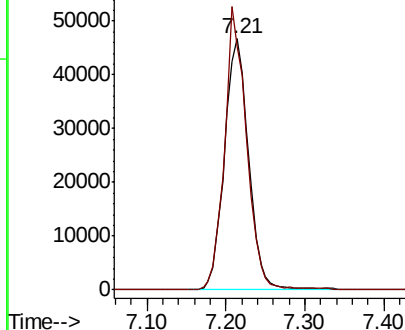
#44

Trichloroethene
 Concen: 48.017 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005509.D
 Acq: 23 Oct 2018 09:26

Tgt Ion	130	Resp	100356
Ion Ratio	Lower	Upper	
130	100		
95	96.8	0.0	181.6



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

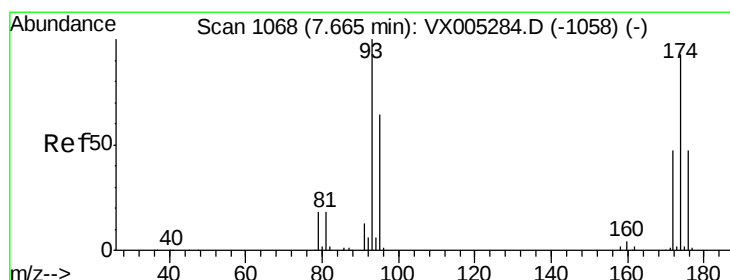
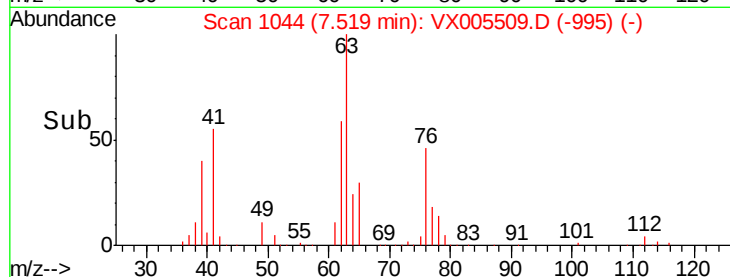
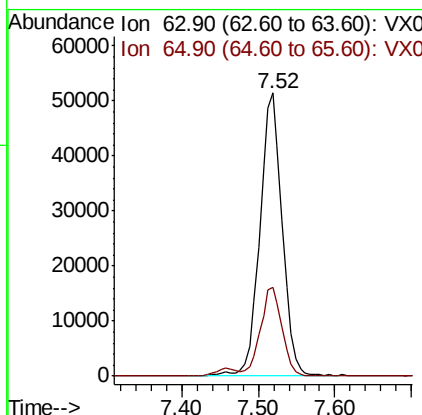
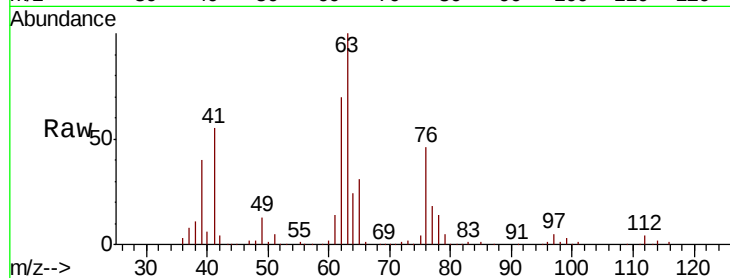




#45
 1,2-Dichloropropane
 Concen: 52.502 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX005509.D
 Acq: 23 Oct 2018 09:26

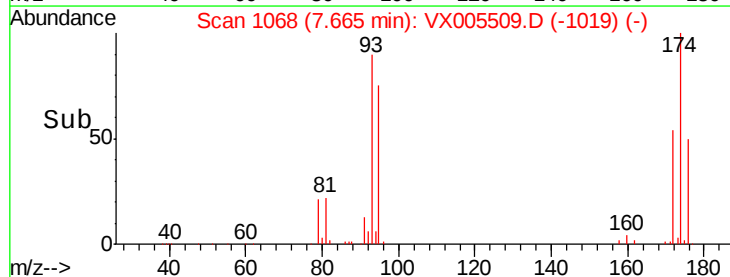
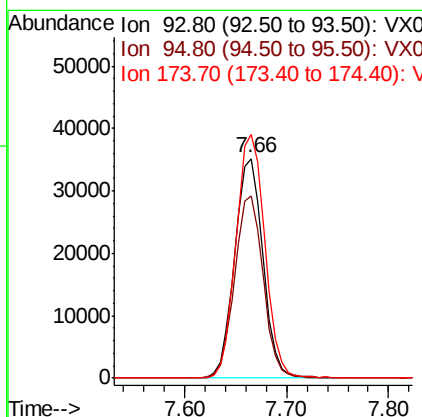
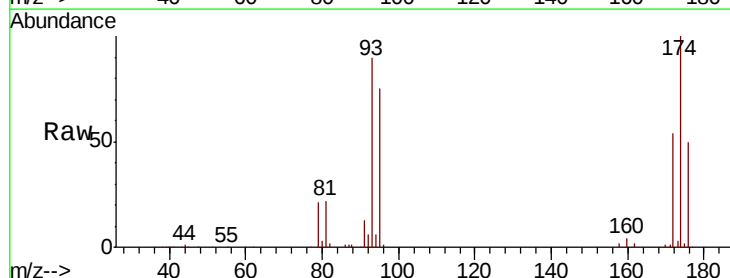
Instrument :
 MSVOA_X
 ClientSampleId :

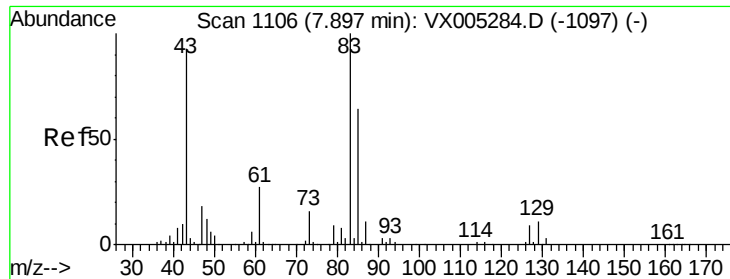
Tot Ion: 63 Resp: 105362
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.3 36.5



#46
 Dibromomethane
 Concen: 50.931 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX005509.D
 Acq: 23 Oct 2018 09:26

Tgt Ion: 93 Resp: 67460
 Ion Ratio Lower Upper
 93 100
 95 83.6 65.5 98.3
 174 113.6 94.2 141.4





#47

Bromodichloromethane

Concen: 57.246 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA_X

ClientSampled :

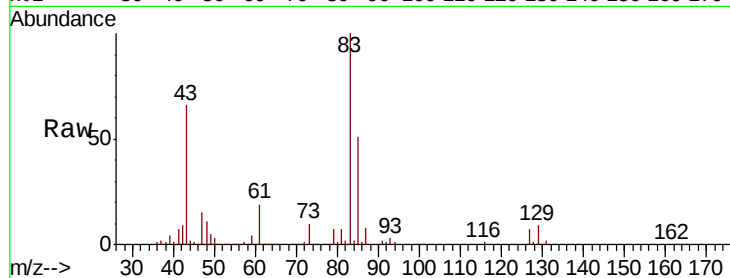
Tot Ion: 83 Resp: 140253

Ion Ratio Lower Upper

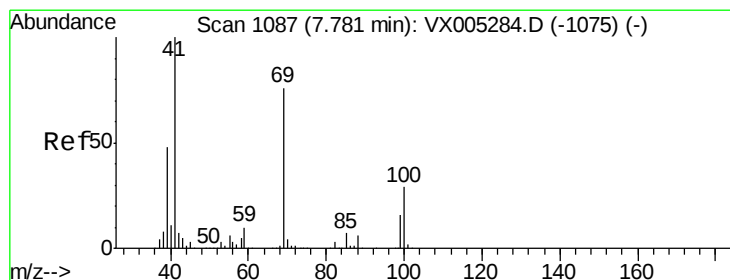
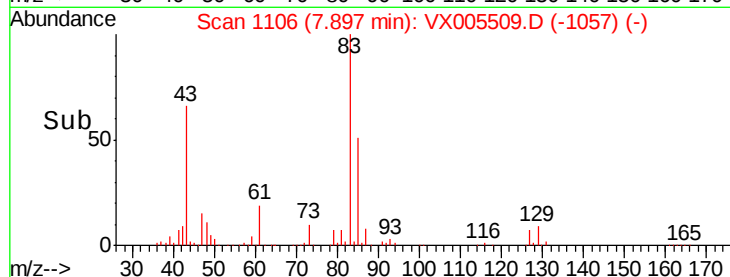
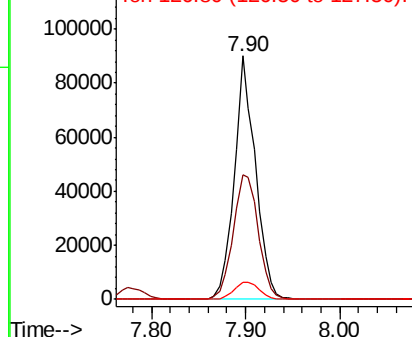
83 100

85 51.0 50.9 76.3

127 7.1 7.3 10.9#



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: 55.730 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

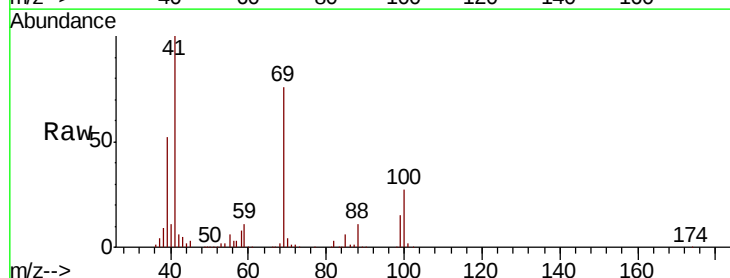
Tgt Ion: 41 Resp: 135043

Ion Ratio Lower Upper

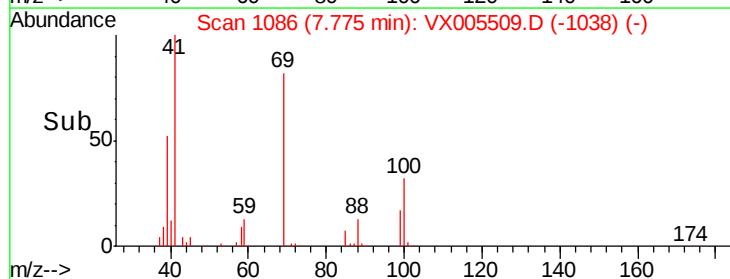
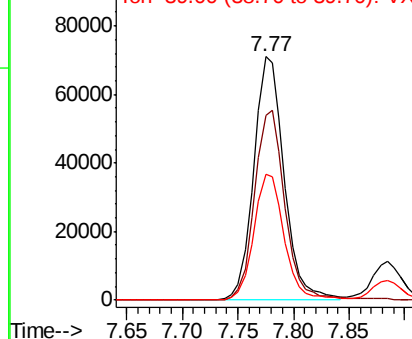
41 100

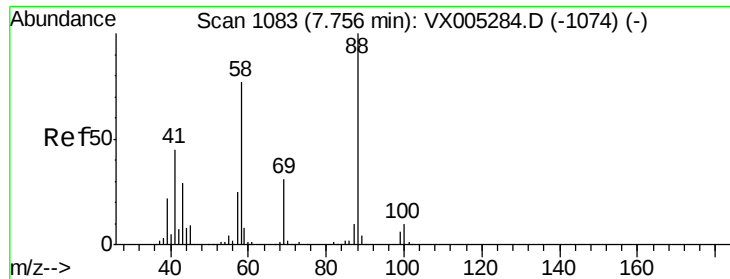
69 78.8 70.2 105.4

39 51.8 42.7 64.1



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

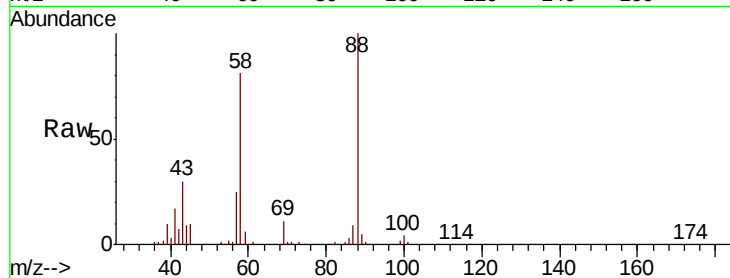




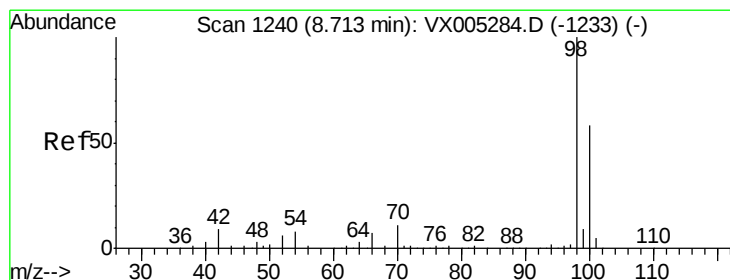
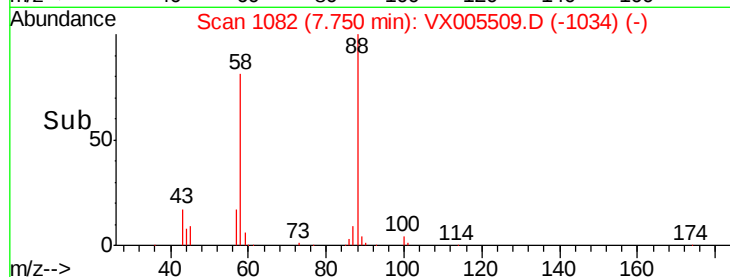
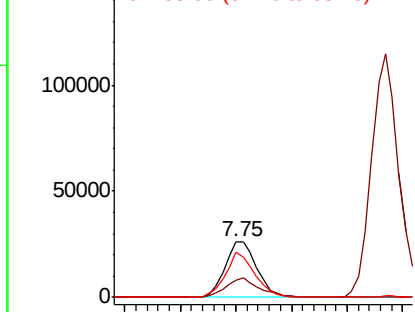
#49
 1,4-Dioxane
 Concen: 924.495 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. -0.01 min
 Lab File: VX005509.D
 Acq: 23 Oct 2018 09:26

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 88 Resp: 51670
 Ion Ratio Lower Upper
 88 100
 43 35.9 24.7 37.1
 58 75.3 55.3 82.9

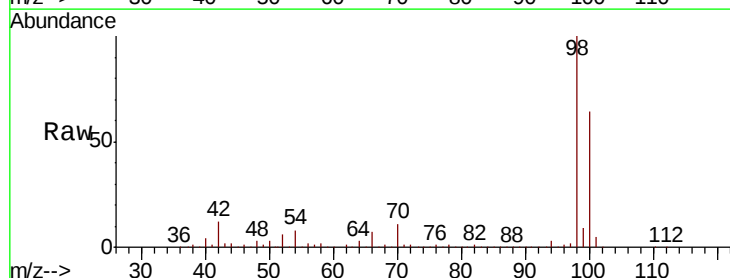


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

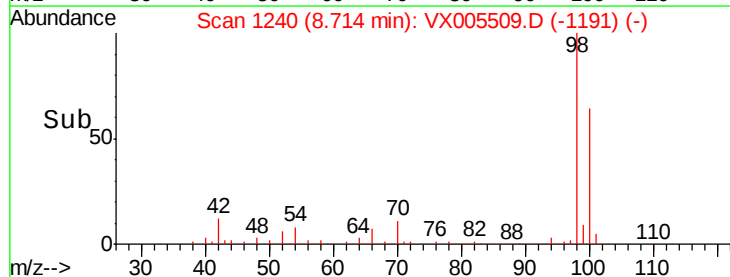
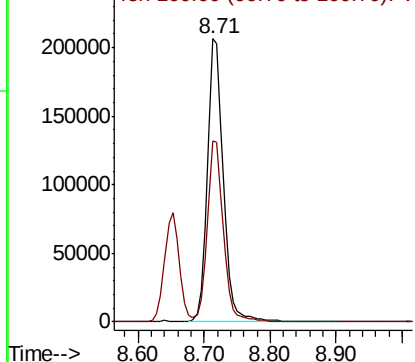


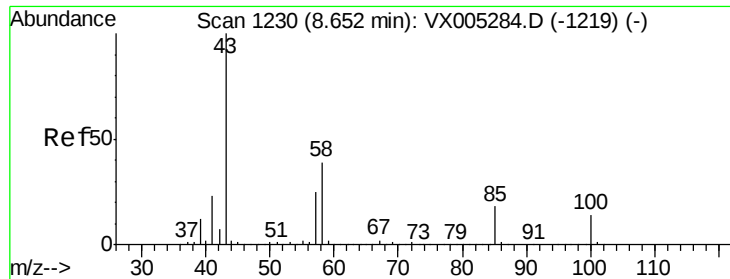
#50
 Toluene-d8
 Concen: 54.217 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX005509.D
 Acq: 23 Oct 2018 09:26

Tgt Ion: 98 Resp: 347149
 Ion Ratio Lower Upper
 98 100
 100 64.4 52.9 79.3



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

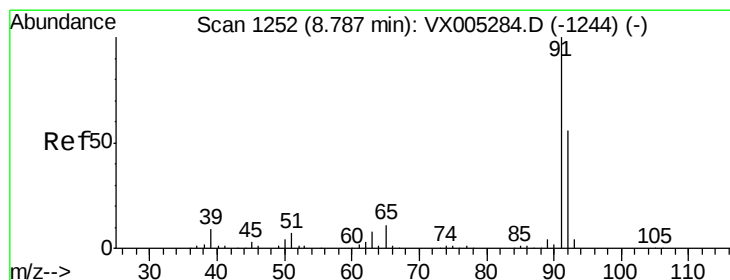
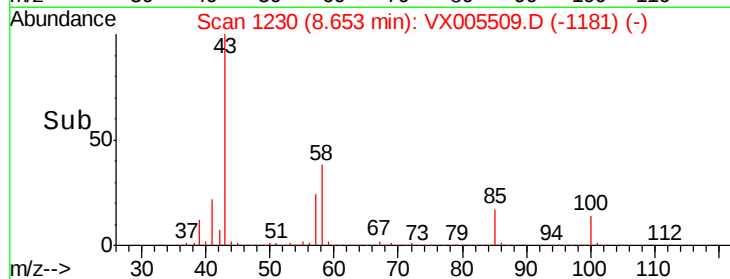
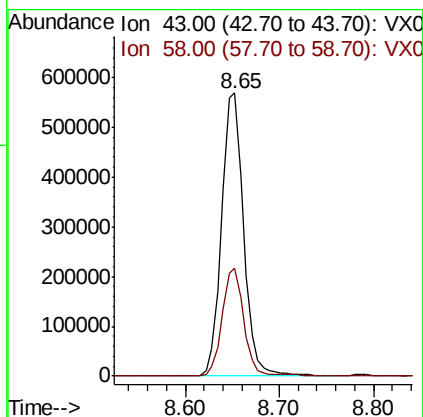
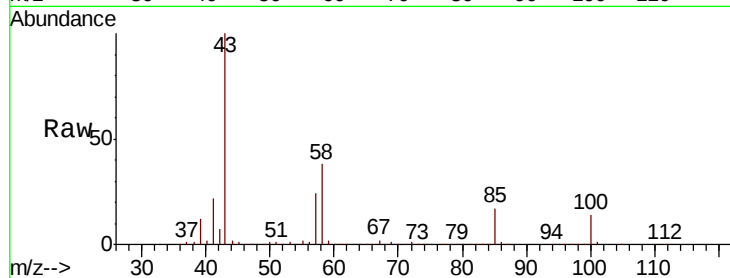




#51
4-Methyl-2-Pentanone
Concen: 285.108 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

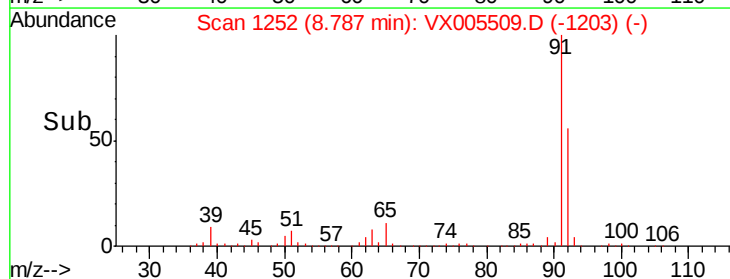
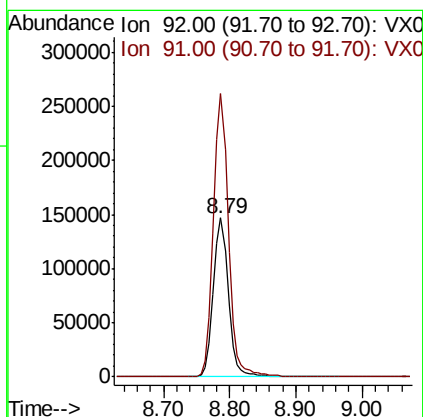
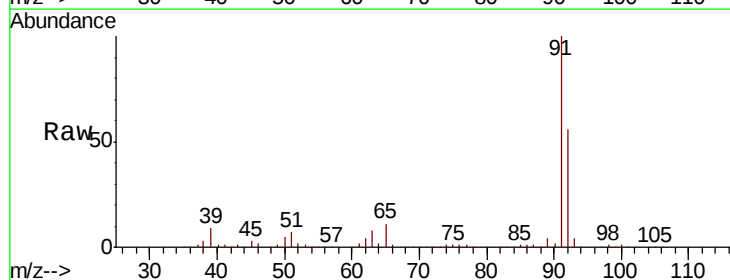
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 922326
Ion Ratio Lower Upper
43 100
58 37.7 33.1 49.7



#52
Toluene
Concen: 52.259 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

Tgt Ion: 92 Resp: 233905
Ion Ratio Lower Upper
92 100
91 176.6 136.4 204.6

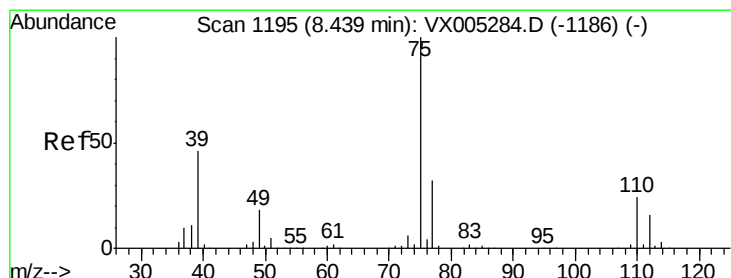
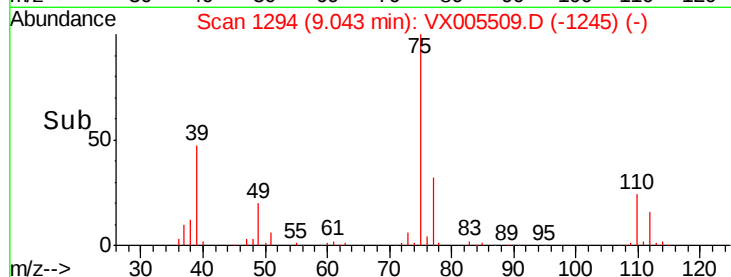
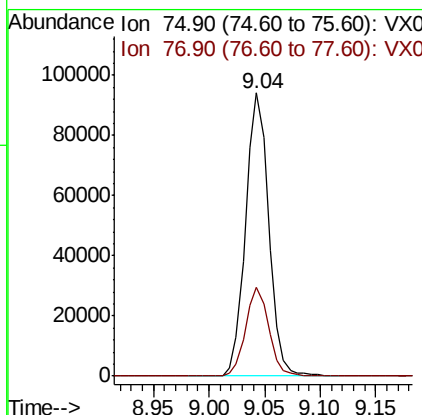
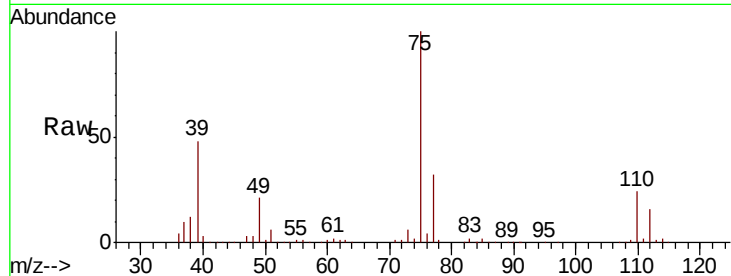




#53
 t-1,3-Dichloropropene
 Concen: 51.428 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX005509.D
 Acq: 23 Oct 2018 09:26

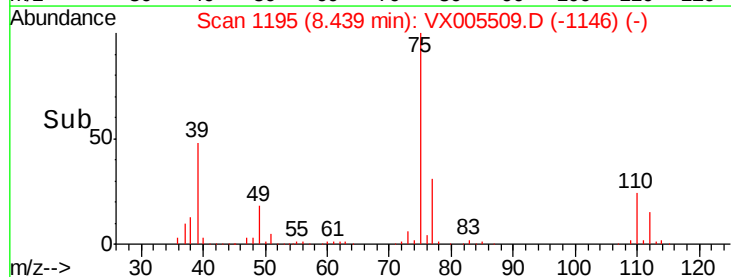
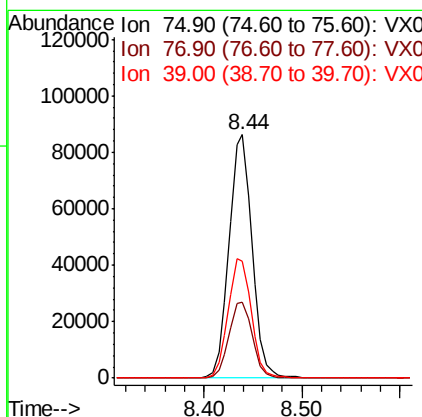
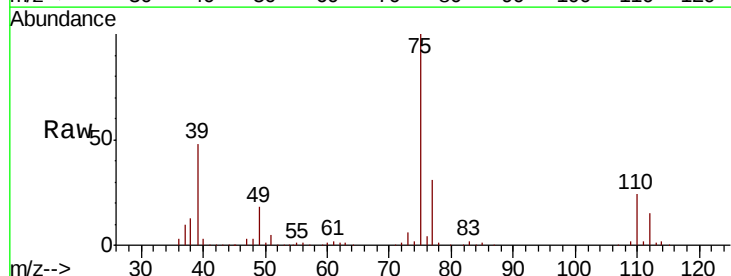
Instrument :
 MSVOA_X
 ClientSampleId :

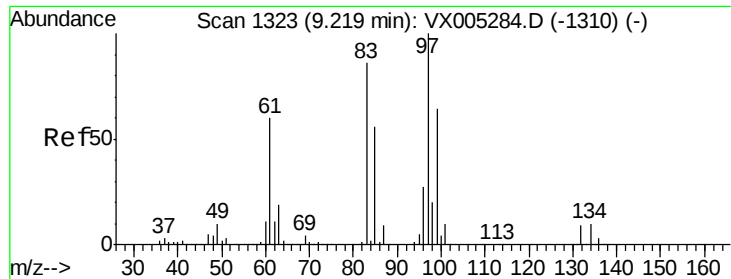
Tot Ion: 75 Resp: 136358
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 49.147 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.00 min
 Lab File: VX005509.D
 Acq: 23 Oct 2018 09:26

Tgt Ion: 75 Resp: 141195
 Ion Ratio Lower Upper
 75 100
 77 31.3 26.2 39.2
 39 48.1 36.4 54.6

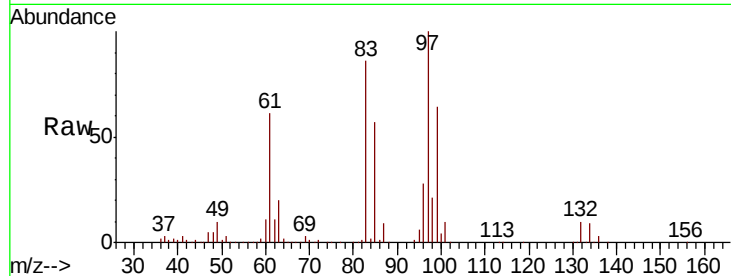




#55
 1,1,2-Trichloroethane
 Concen: 53.333 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX005509.D
 Acq: 23 Oct 2018 09:26

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	97	Resp:	101107
Ion	Ratio	Lower	Upper
97	100		
83	86.4	66.4	99.6
85	56.7	43.3	64.9
99	63.8	49.0	73.4



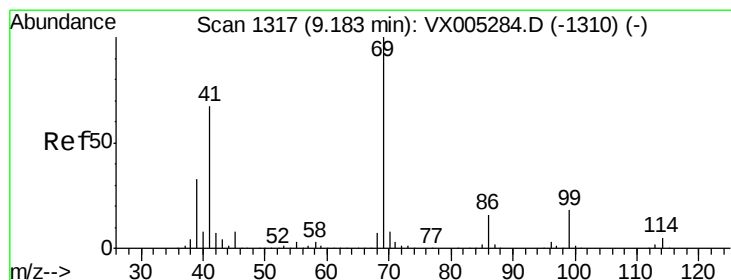
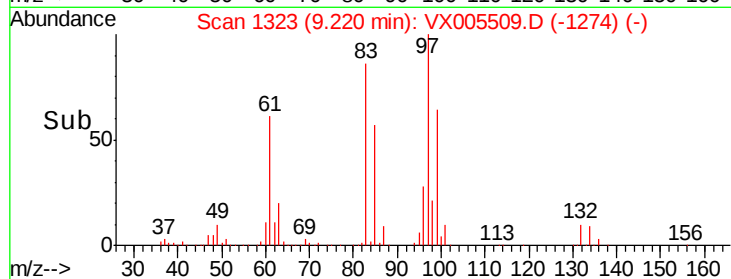
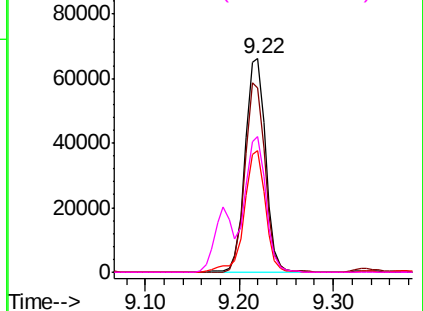
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

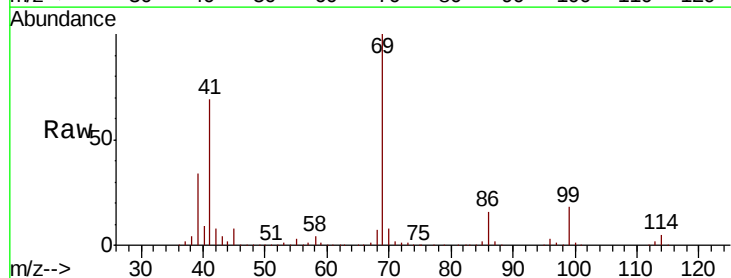
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 57.148 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005509.D
 Acq: 23 Oct 2018 09:26

Tgt Ion:	69	Resp:	157937
Ion	Ratio	Lower	Upper
69	100		
41	71.0	51.0	76.4
39	34.9	26.1	39.1

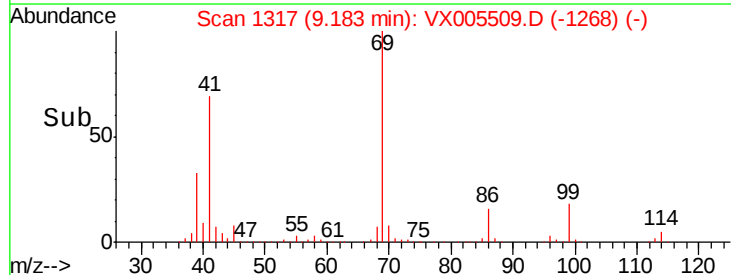
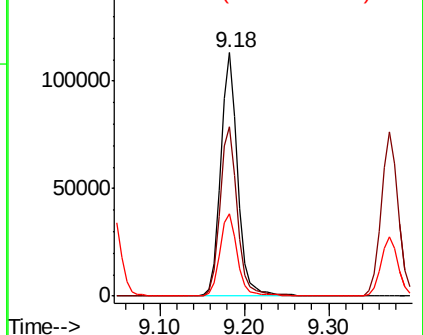


Abundance

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: 53.765 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA_X

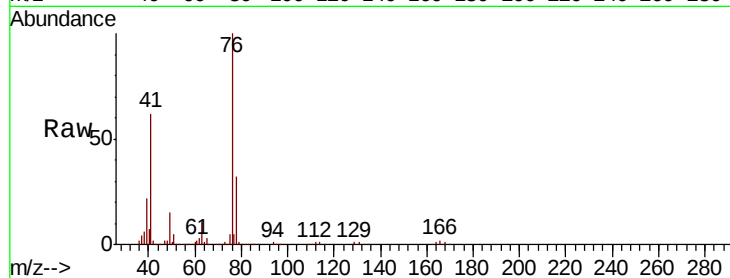
ClientSampleId :

Tot Ion: 76 Resp: 170124

Ion Ratio Lower Upper

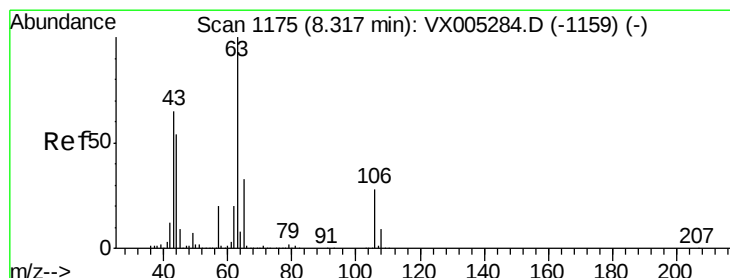
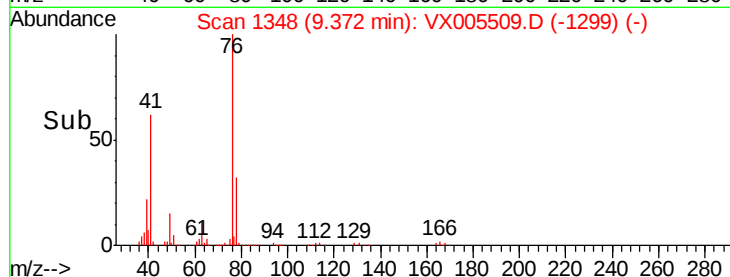
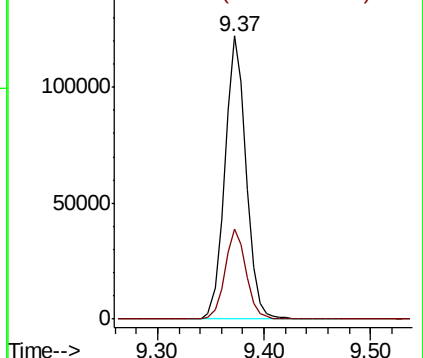
76 100

78 31.8 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: 0.206 ug/l

RT: 8.29 min Scan# 1171

Delta R.T. -0.02 min

Lab File: VX005509.D

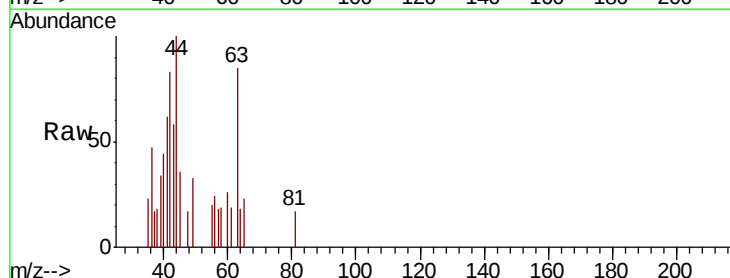
Acq: 23 Oct 2018 09:26

Tgt Ion: 63 Resp: 320

Ion Ratio Lower Upper

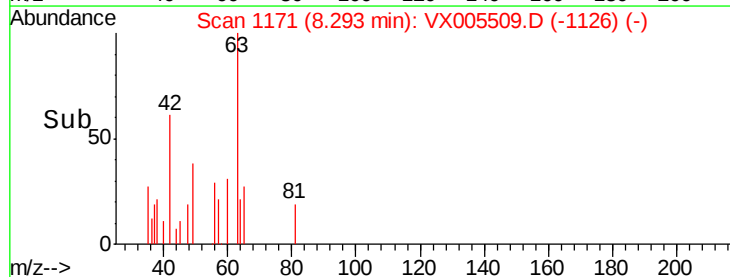
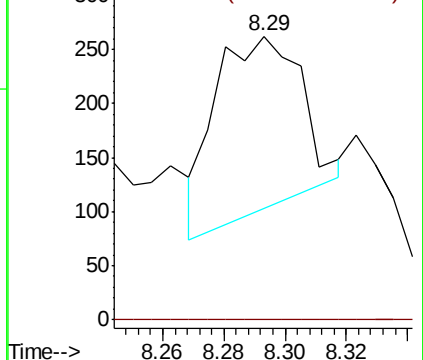
63 100

106 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

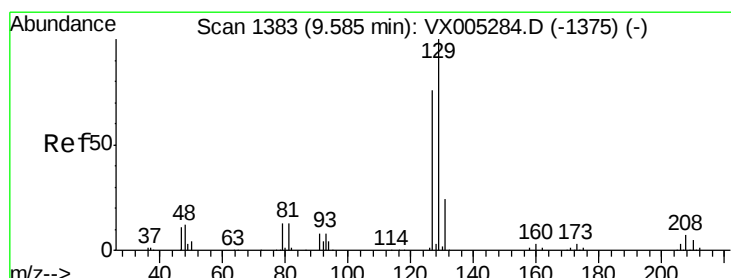
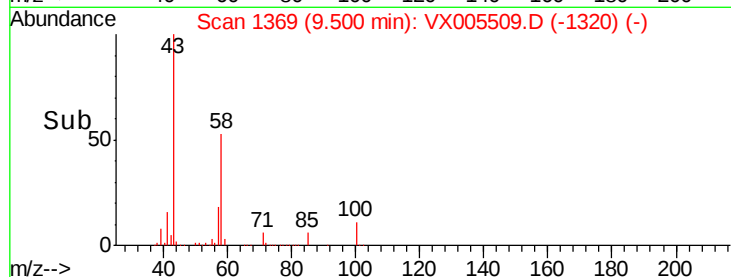
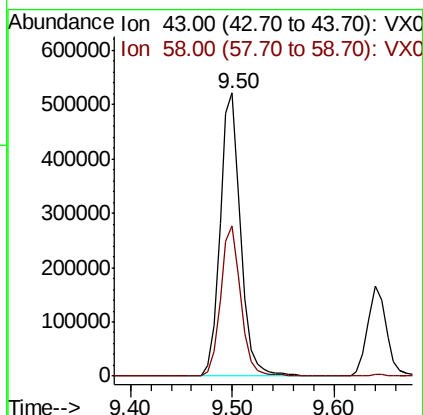
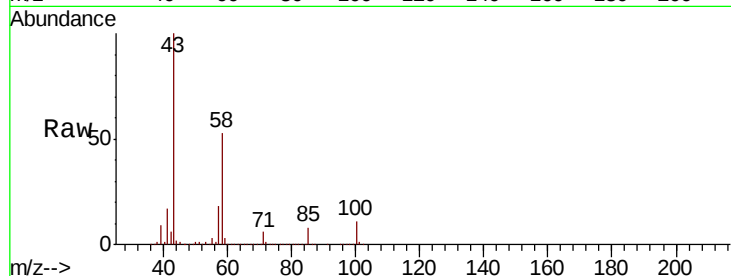




#59
2-Hexanone
Concen: 280.099 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

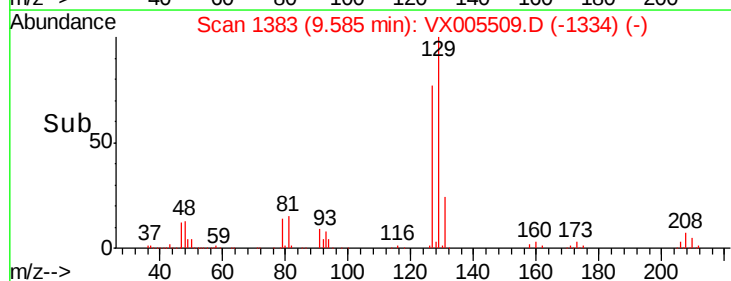
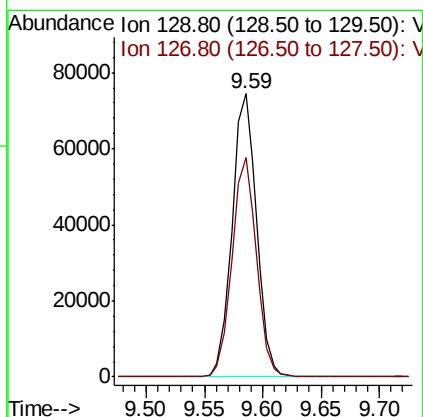
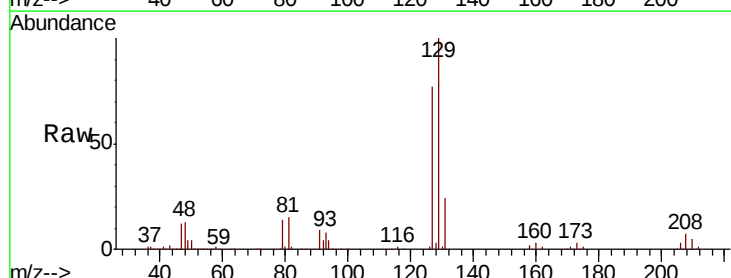
Instrument :
MSVOA_X
ClientSampleId :

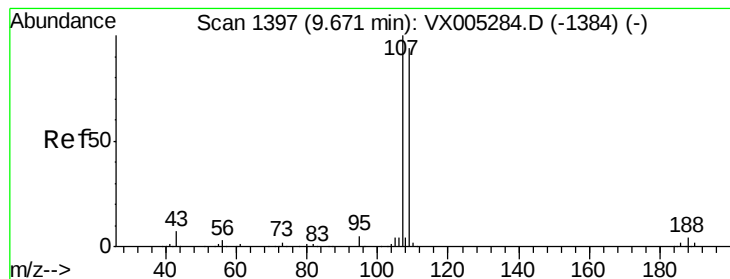
Tot Ion: 43 Resp: 728890
Ion Ratio Lower Upper
43 100
58 52.3 29.0 87.0



#60
Dibromochloromethane
Concen: 55.719 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

Tgt Ion:129 Resp: 109187
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 52.992 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA_X

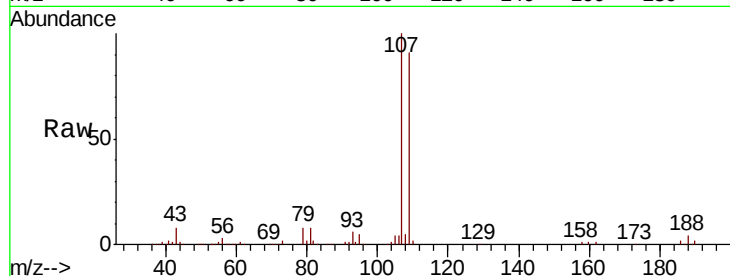
ClientSampleId :

Tot Ion:107 Resp: 105430

Ion Ratio Lower Upper

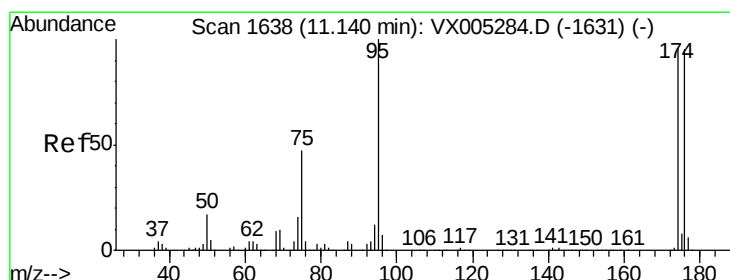
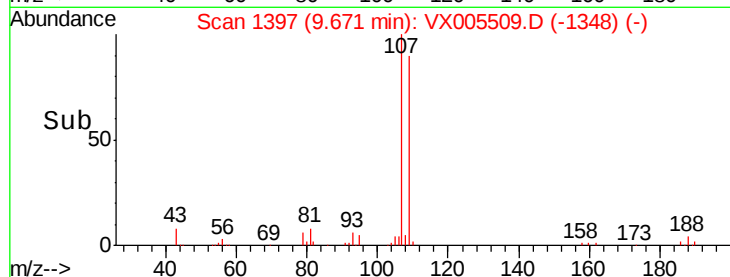
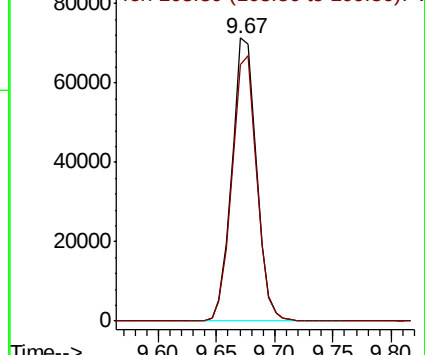
107 100

109 94.3 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 55.074 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

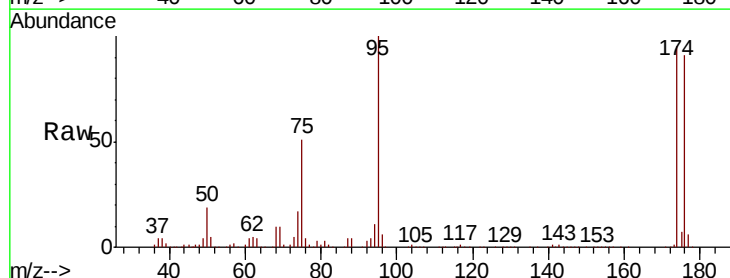
Tgt Ion: 95 Resp: 132472

Ion Ratio Lower Upper

95 100

174 92.2 0.0 185.2

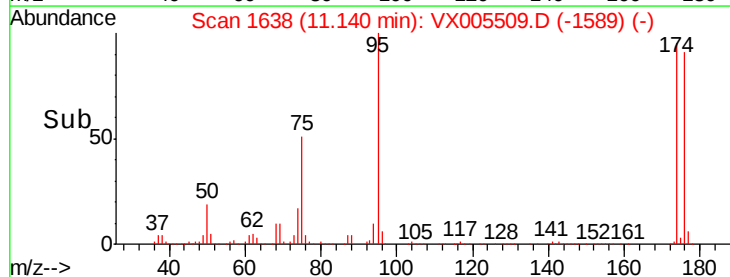
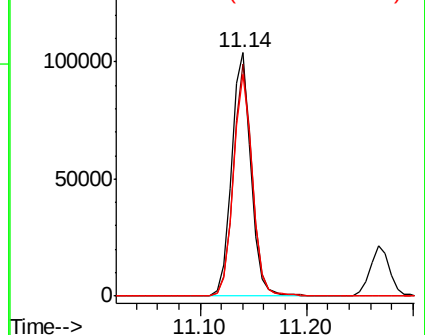
176 89.9 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

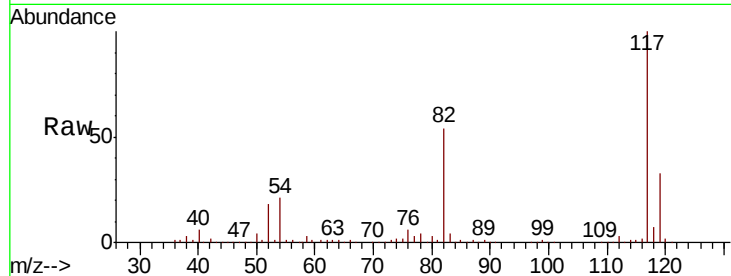




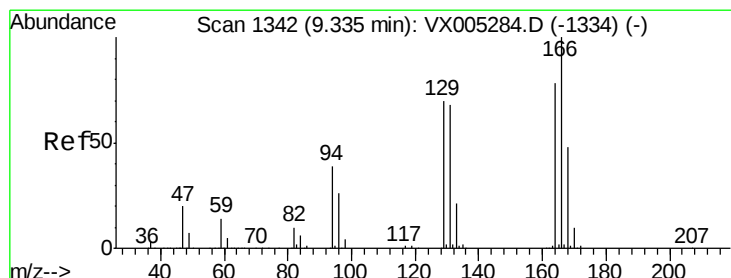
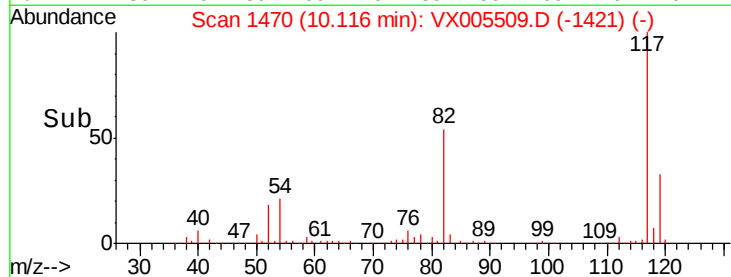
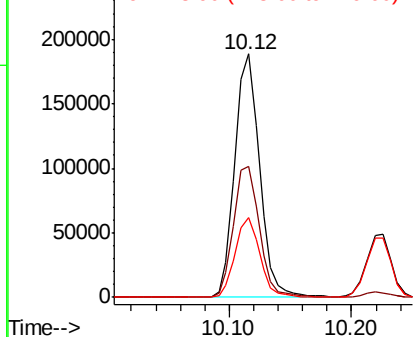
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 265108
Ion Ratio Lower Upper
117 100
82 54.0 47.8 71.6
119 32.7 29.3 43.9

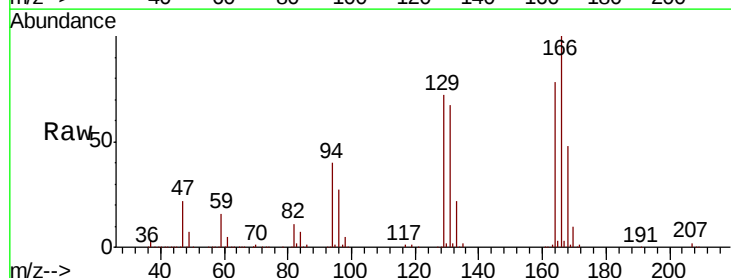


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

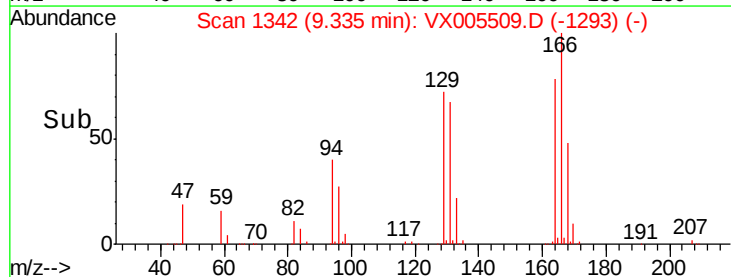
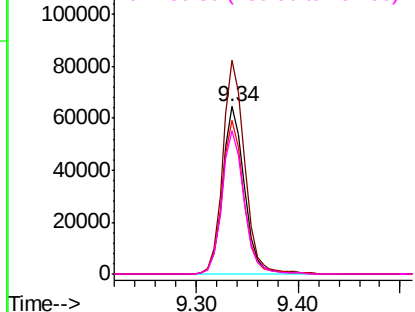


#64
Tetrachloroethene
Concen: 44.923 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

Tgt Ion:164 Resp: 95878
Ion Ratio Lower Upper
164 100
166 127.5 102.8 154.2
129 91.6 69.4 104.0
131 85.8 67.9 101.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

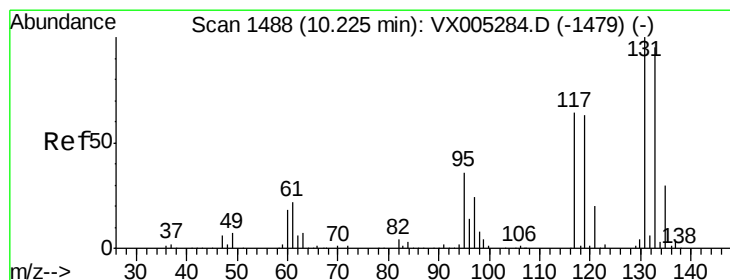
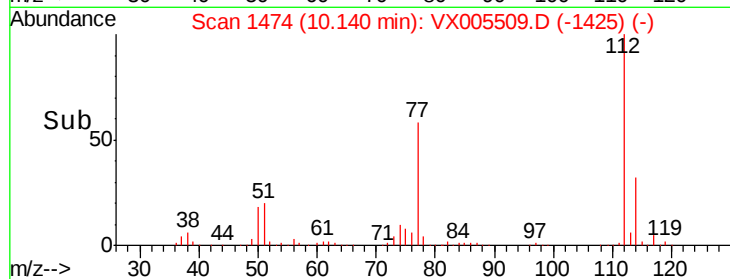
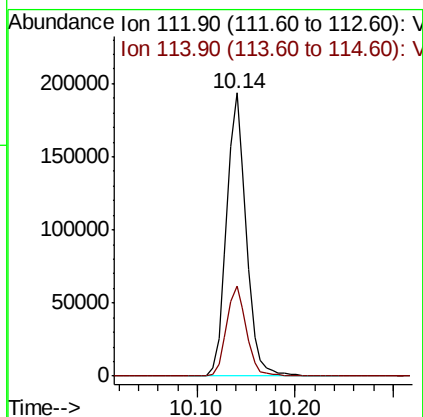
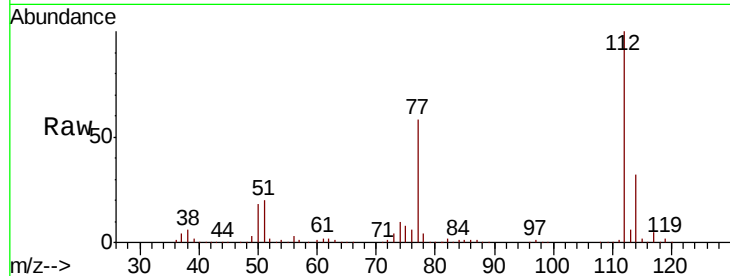




#65
Chlorobenzene
Concen: 47.860 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

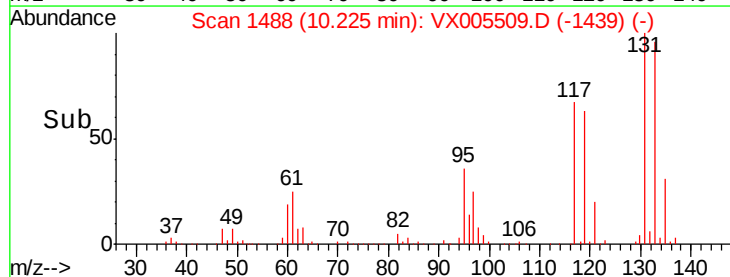
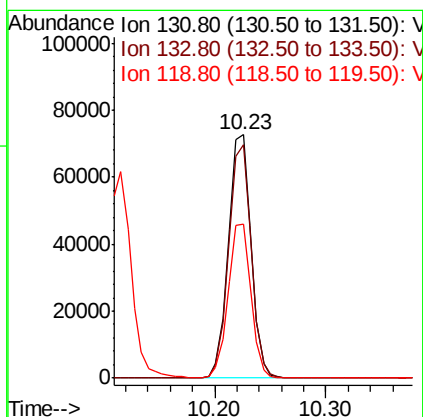
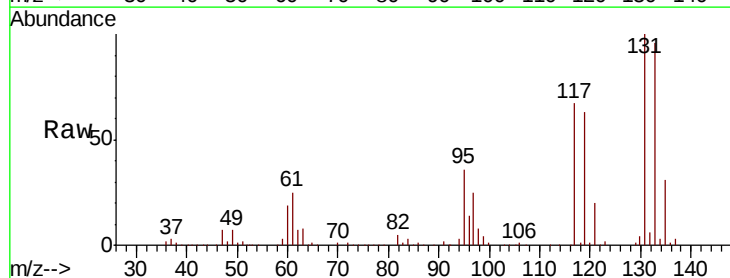
Instrument :
MSVOA_X
ClientSampleId :

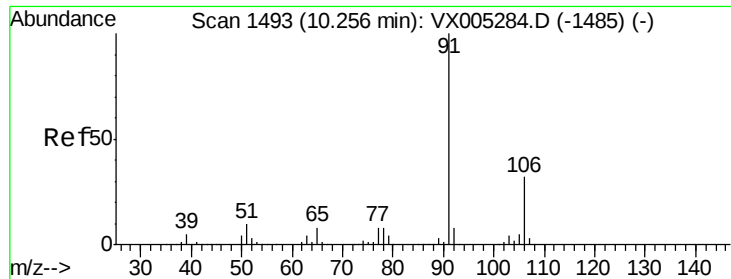
Tot Ion:112 Resp: 269889
Ion Ratio Lower Upper
112 100
114 31.8 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 51.017 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

Tgt Ion:131 Resp: 102522
Ion Ratio Lower Upper
131 100
133 95.3 48.1 144.4
119 63.8 32.9 98.6

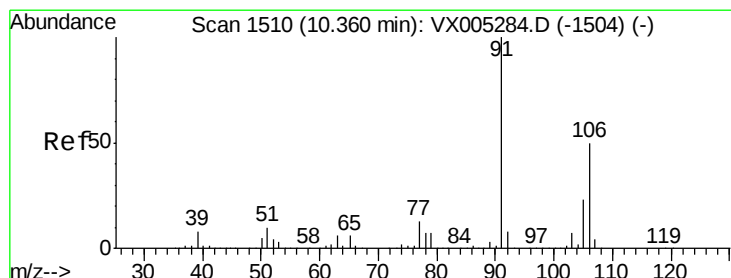
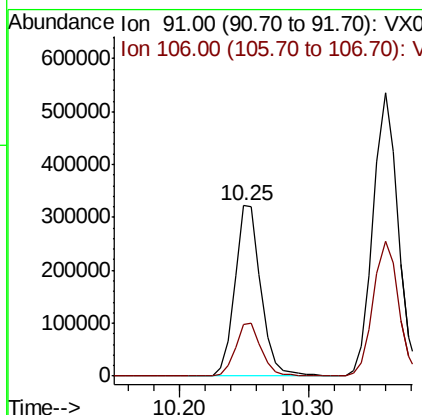
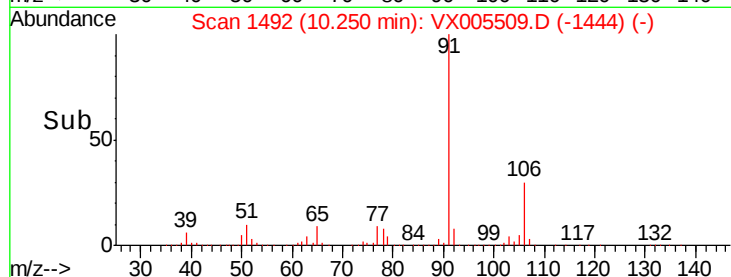
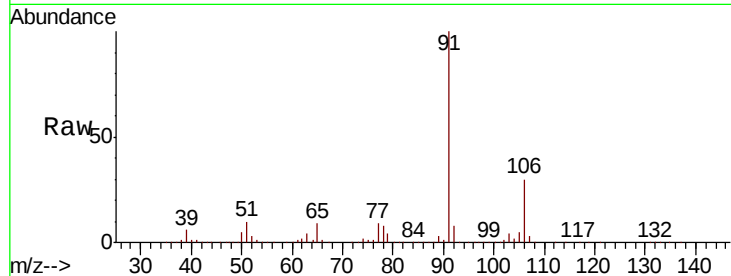




#67
Ethyl Benzene
Concen: 49.741 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

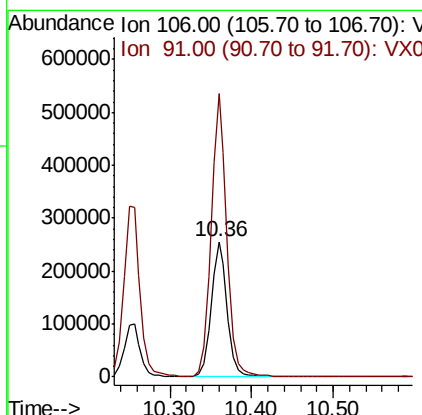
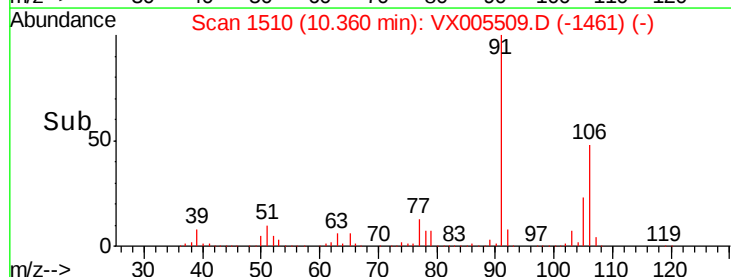
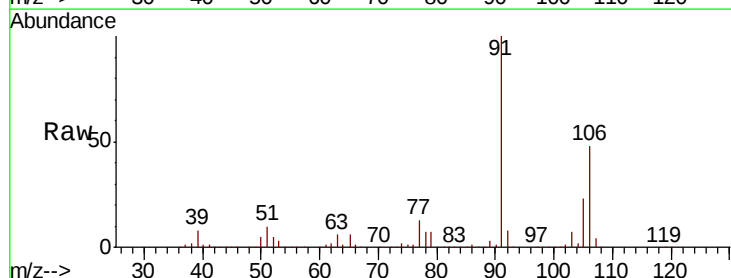
Instrument :
MSVOA_X
ClientSampled :

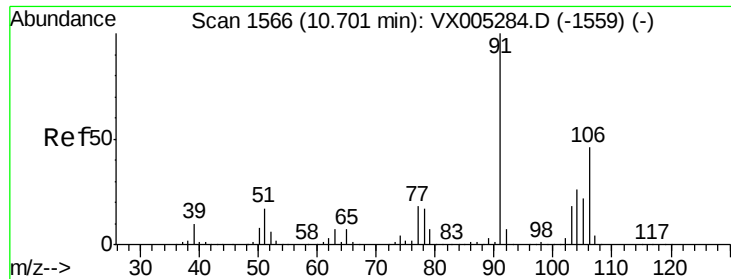
Tot Ion: 91 Resp: 456000
Ion Ratio Lower Upper
91 100
106 30.3 25.9 38.9



#68
m/p-Xylenes
Concen: 98.511 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

Tgt Ion: 106 Resp: 350522
Ion Ratio Lower Upper
106 100
91 206.8 157.1 235.7

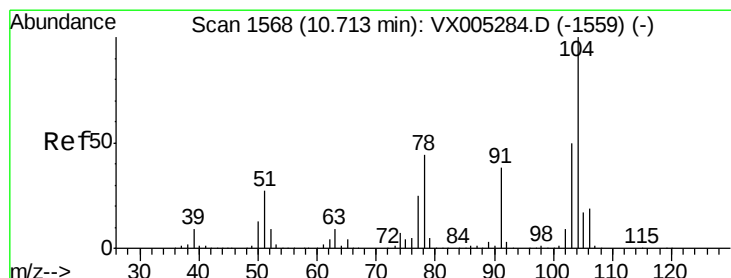
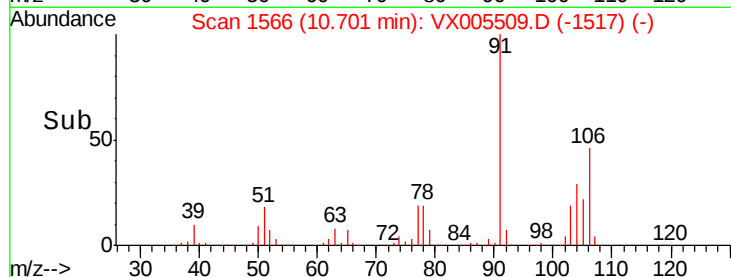
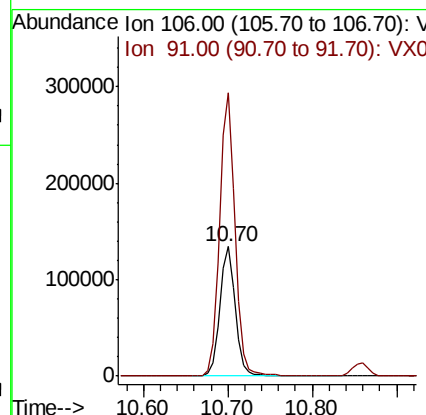
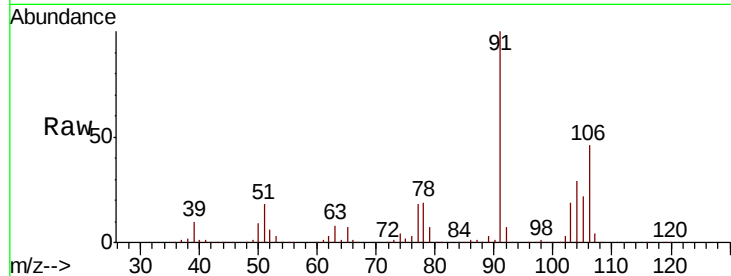




#69
o-Xylene
Concen: 49.763 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

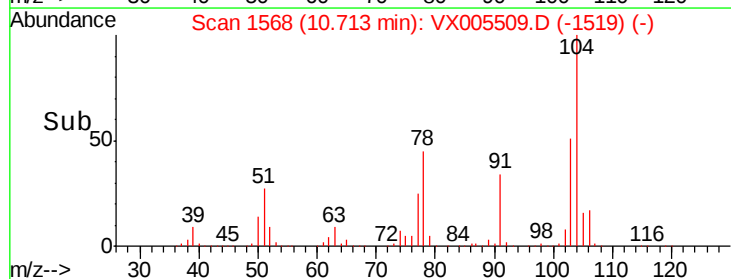
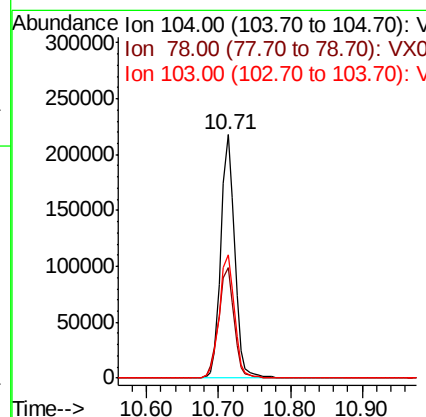
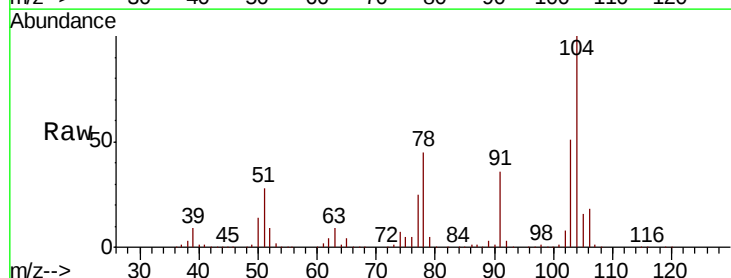
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 170770
Ion Ratio Lower Upper
106 100
91 218.6 105.1 315.1



#70
Styrene
Concen: 51.591 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

Tgt Ion:104 Resp: 291200
Ion Ratio Lower Upper
104 100
78 50.9 37.4 56.0
103 56.0 43.8 65.6





#71

Bromoform

Concen: 51.227 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA_X

ClientSampleId :

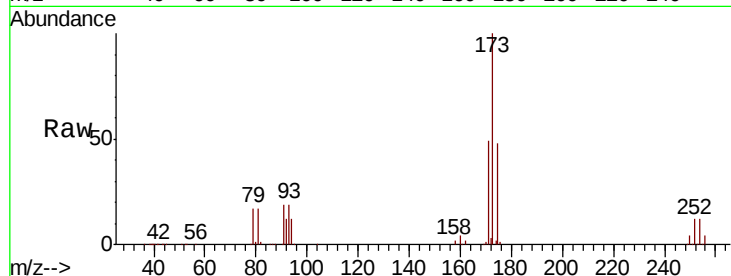
Tot Ion:173 Resp: 91995

Ion Ratio Lower Upper

173 100

175 48.3 24.1 72.3

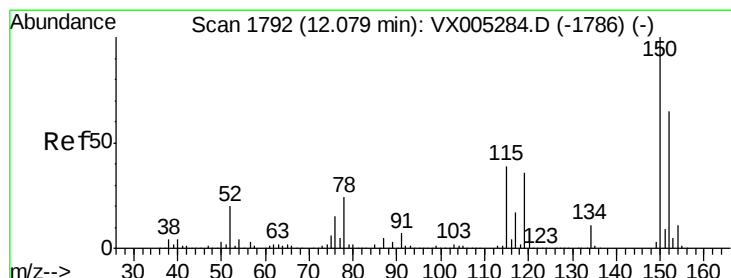
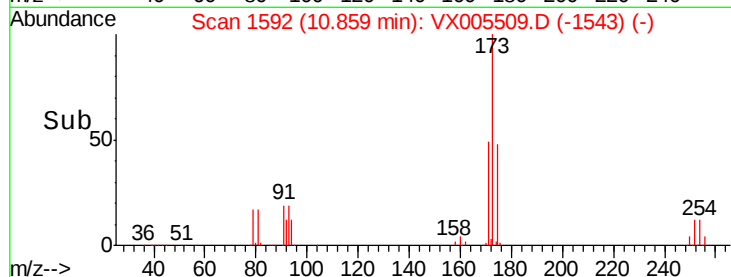
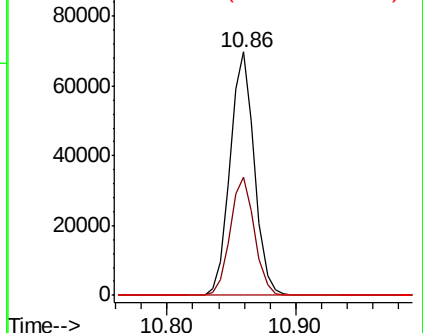
254 0.3 0.2 0.2#



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: VX005509.D

Acq: 23 Oct 2018 09:26

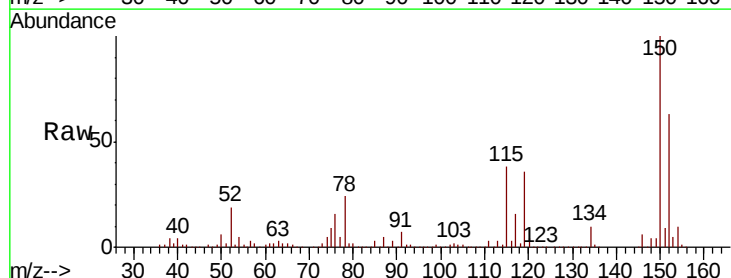
Tgt Ion:152 Resp: 152058

Ion Ratio Lower Upper

152 100

115 77.6 39.0 117.0

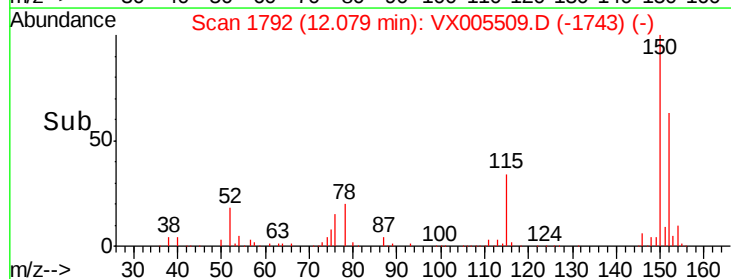
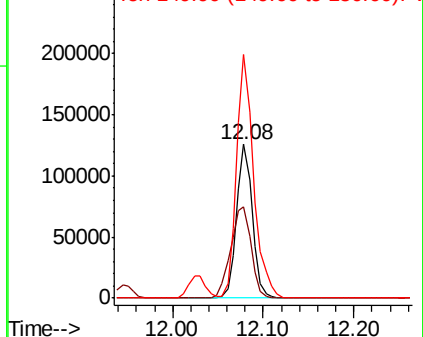
150 172.5 0.0 351.0



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

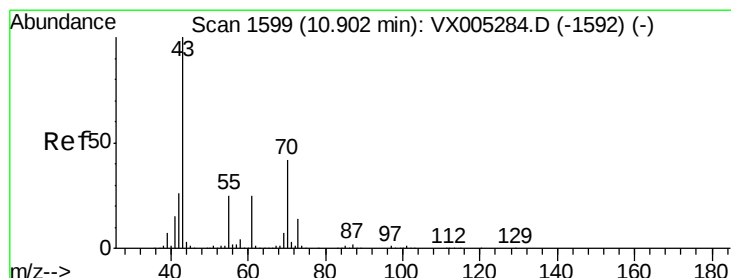
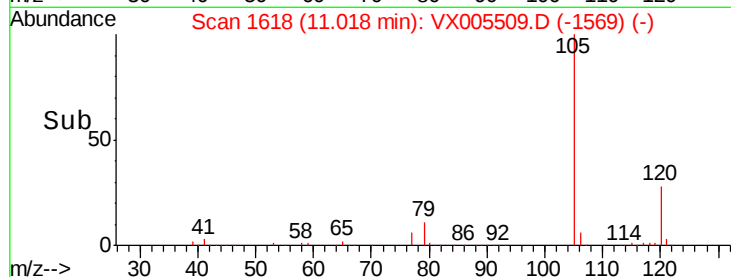
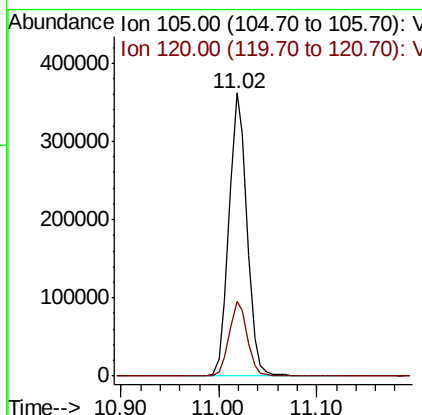
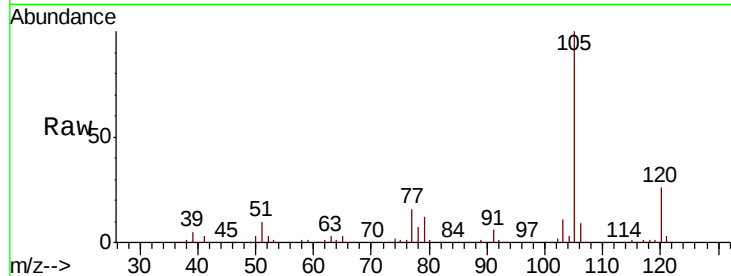




#73
Isopropylbenzene
Concen: 51.408 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

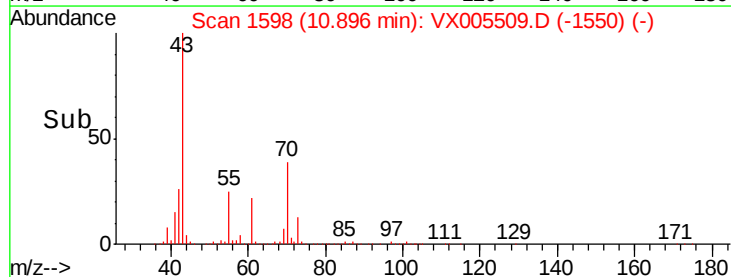
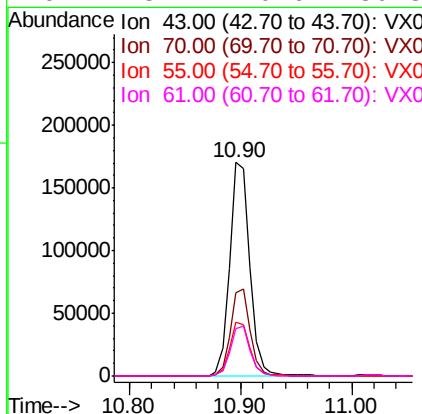
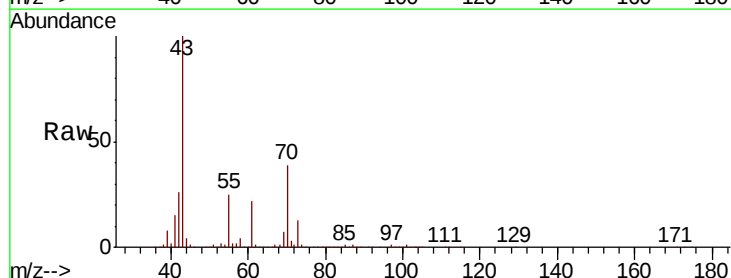
Instrument :
MSVOA_X
ClientSampleId :

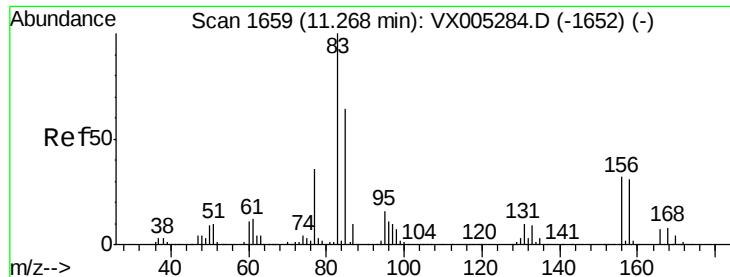
Tot Ion:105 Resp: 464694
Ion Ratio Lower Upper
105 100
120 26.6 13.5 40.4



#74
N-ethyl acetate
Concen: 48.453 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.01 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

Tgt Ion: 43 Resp: 211249
Ion Ratio Lower Upper
43 100
70 40.3 37.4 56.0
55 25.7 21.8 32.8
61 23.2 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 50.351 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

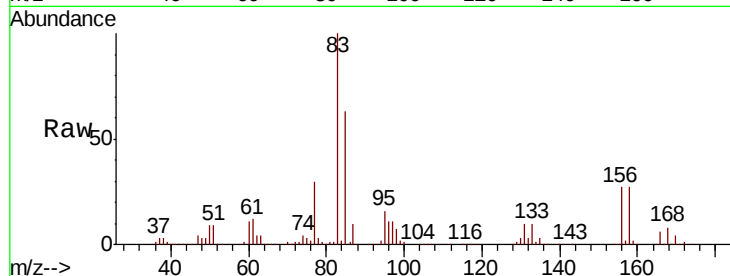
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 83 Resp: 171693

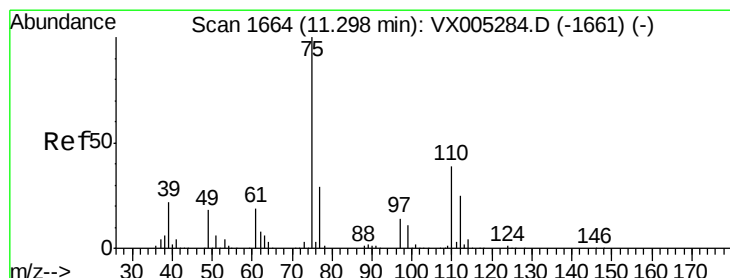
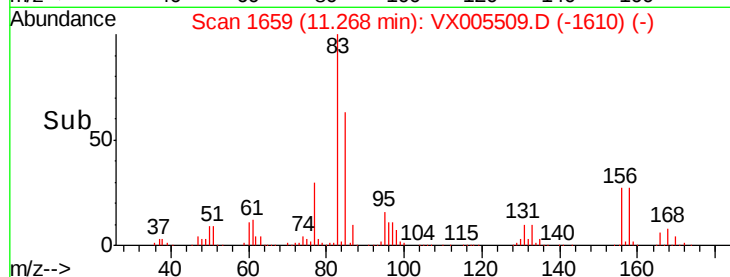
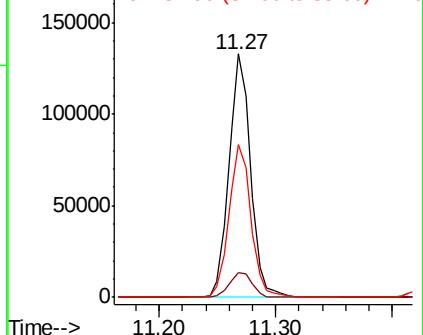
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.2	15.6
85	63.9	32.3	96.8



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: 64.302 ug/l

RT: 11.30 min Scan# 1664

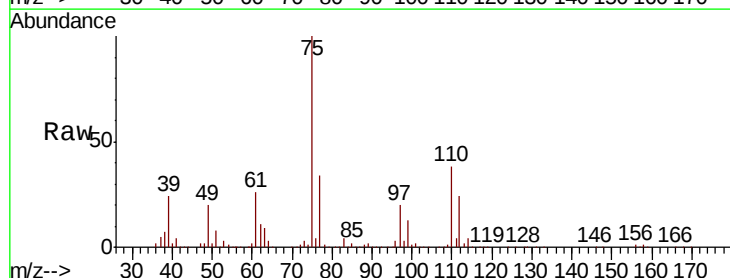
Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

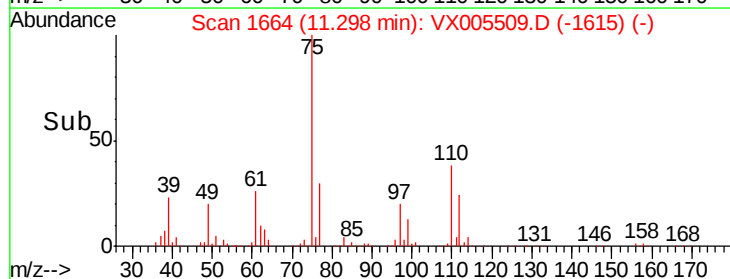
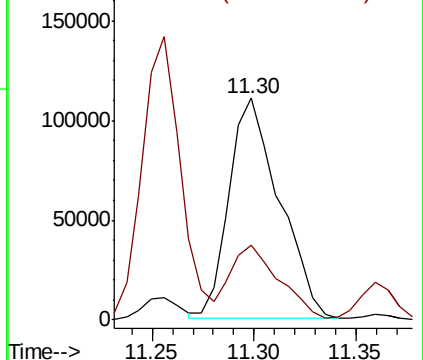
Tgt Ion: 75 Resp: 189658

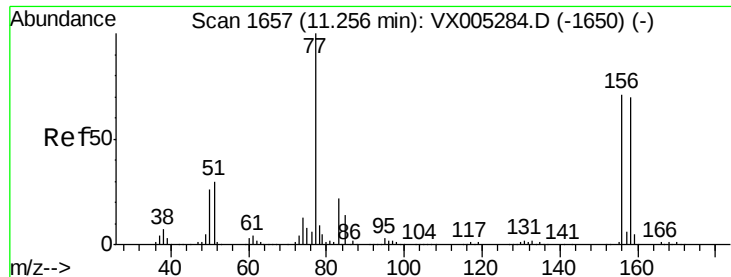
Ion	Ratio	Lower	Upper
75	100		
77	32.7	20.2	60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.986 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA_X

ClientSampleId :

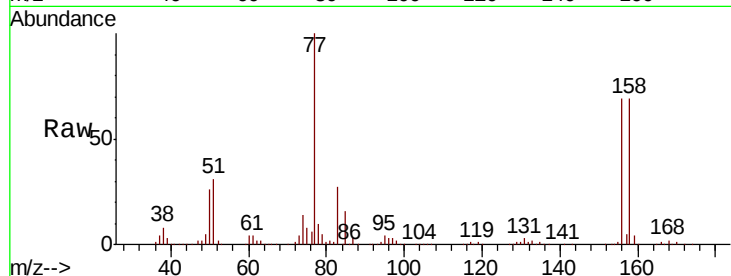
Tot Ion:156 Resp: 126609

Ion Ratio Lower Upper

156 100

77 147.3 71.5 214.3

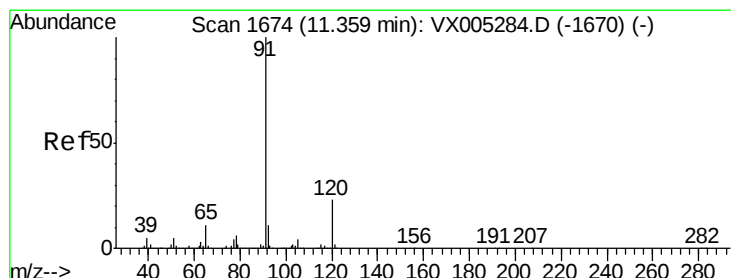
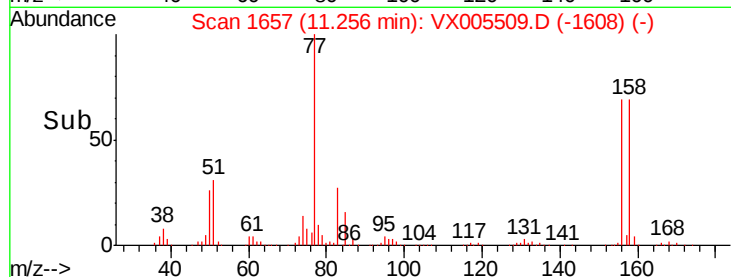
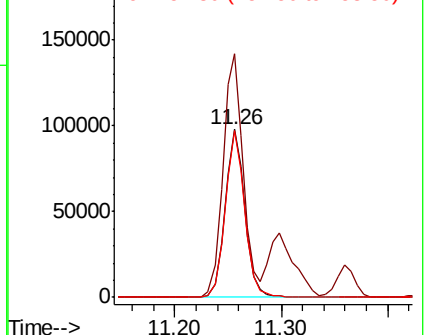
158 98.1 48.9 146.8



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: 50.865 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005509.D

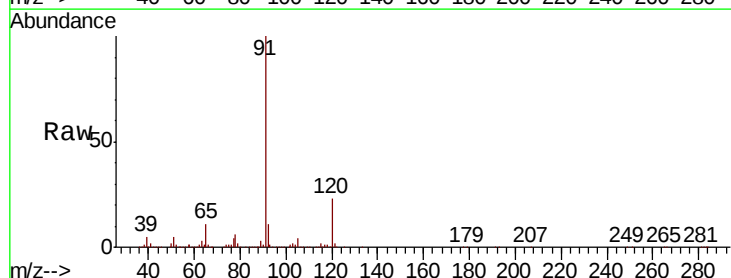
Acq: 23 Oct 2018 09:26

Tgt Ion: 91 Resp: 529098

Ion Ratio Lower Upper

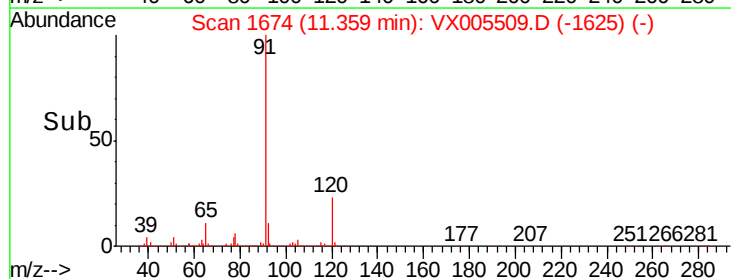
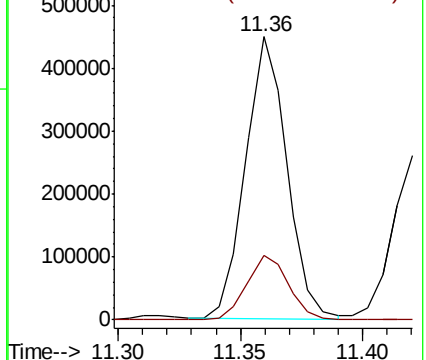
91 100

120 23.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

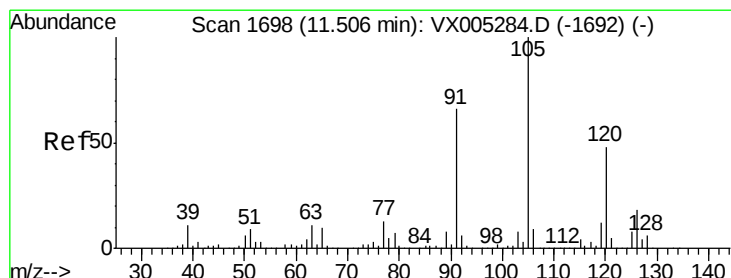
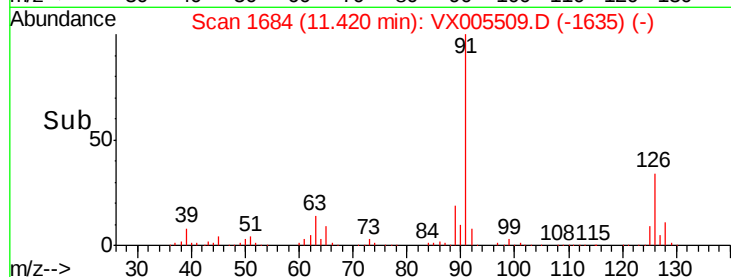
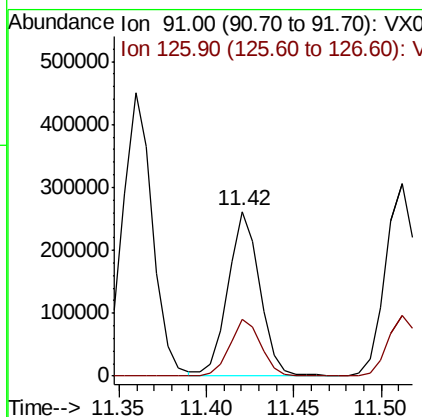
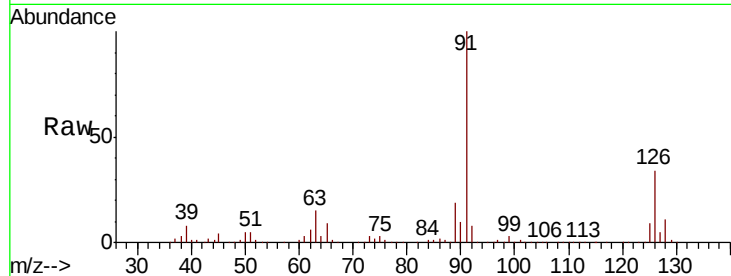




#79
 2-Chlorotoluene
 Concen: 51.223 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX005509.D
 Acq: 23 Oct 2018 09:26

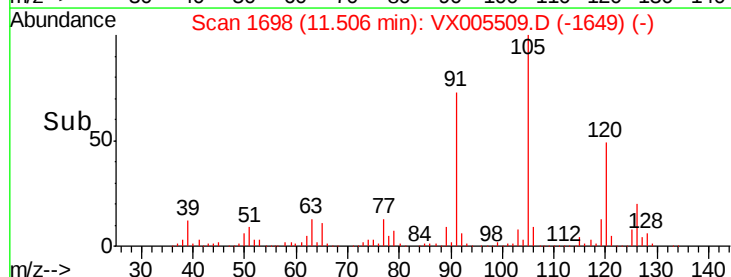
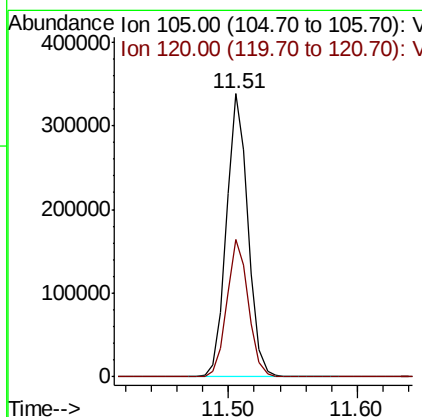
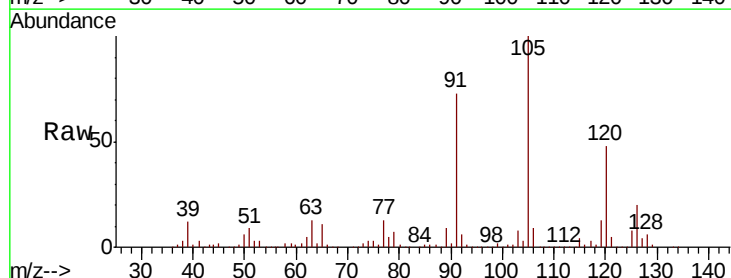
Instrument :
 MSVOA_X
 ClientSampleId :

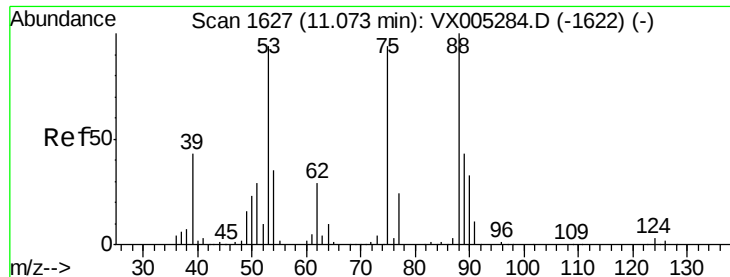
Tot Ion: 91 Resp: 326317
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 51.340 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX005509.D
 Acq: 23 Oct 2018 09:26

Tgt Ion: 105 Resp: 397417
 Ion Ratio Lower Upper
 105 100
 120 48.5 25.6 76.8

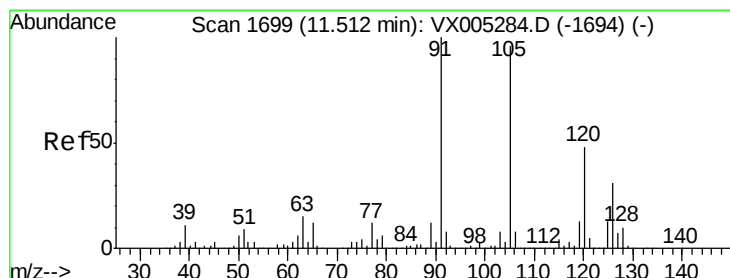
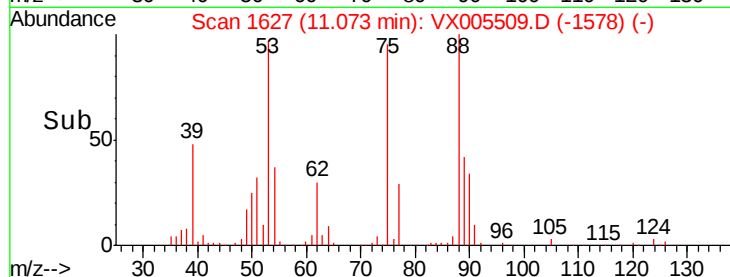
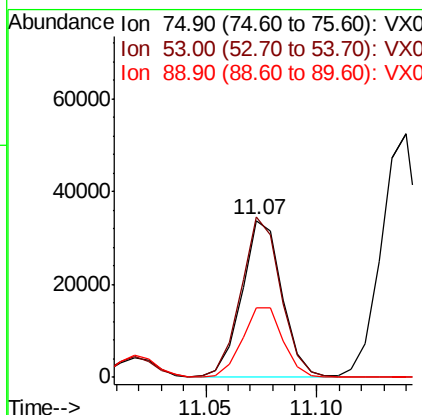
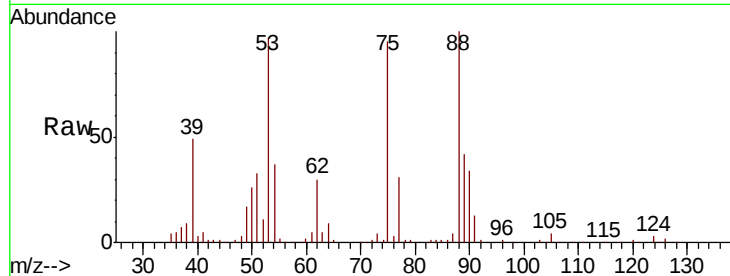




#81
trans-1,4-Dichloro-2-butene
Concen: 43.225 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

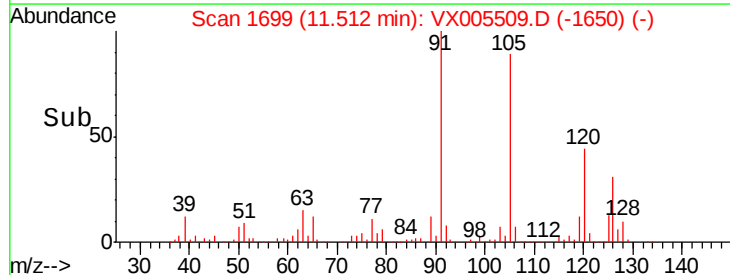
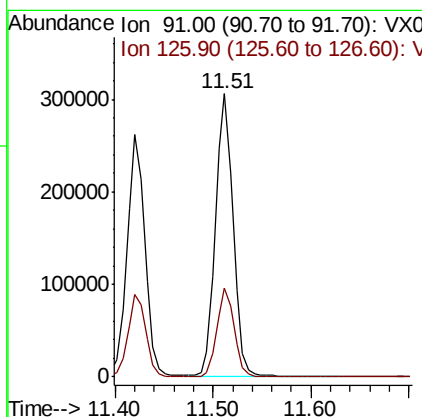
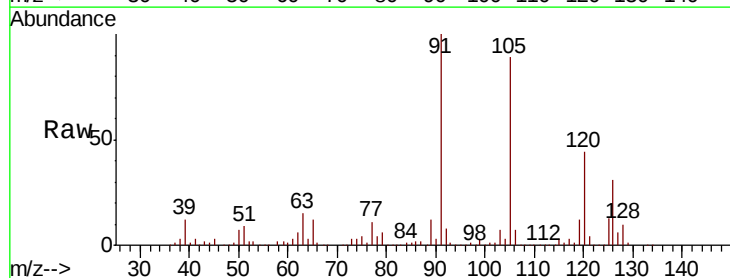
Instrument :
MSVOA_X
ClientSampleId :

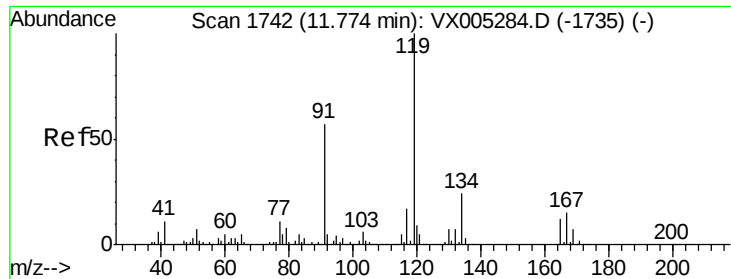
Tot Ion: 75 Resp: 41959
Ion Ratio Lower Upper
75 100
53 101.6 80.1 120.1
89 46.2 37.2 55.8



#82
4-Chlorotoluene
Concen: 50.906 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

Tgt Ion: 91 Resp: 384429
Ion Ratio Lower Upper
91 100
126 30.6 15.5 46.5

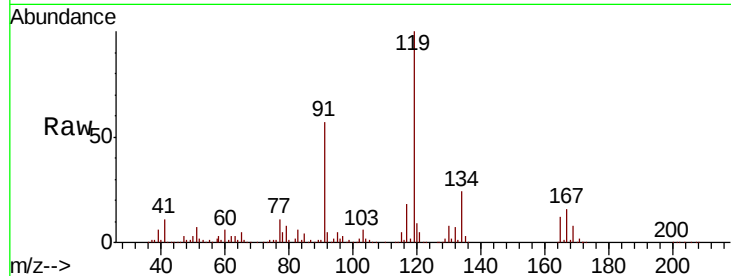




#83
tert-Butylbenzene
Concen: 51.086 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.5	27.0	81.0
134	22.6	11.7	35.1

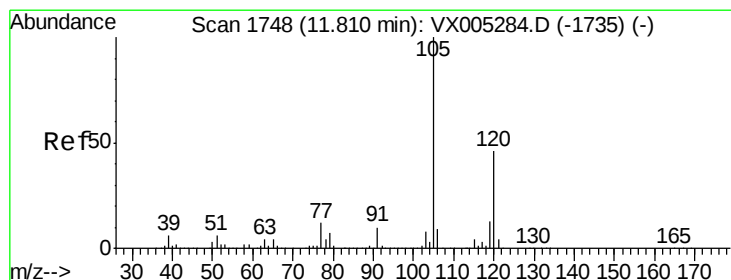
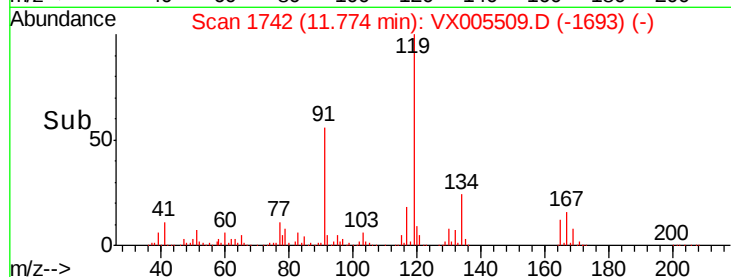
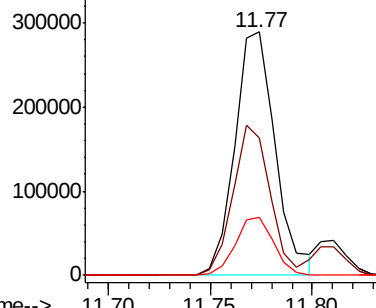


Abundance

Ion 119.00 (118.70 to 119.70): V

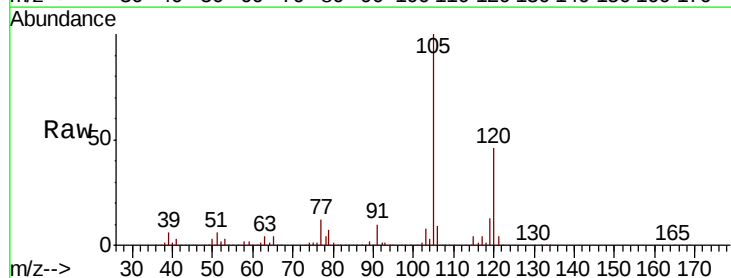
Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84
1,2,4-Trimethylbenzene
Concen: 52.002 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

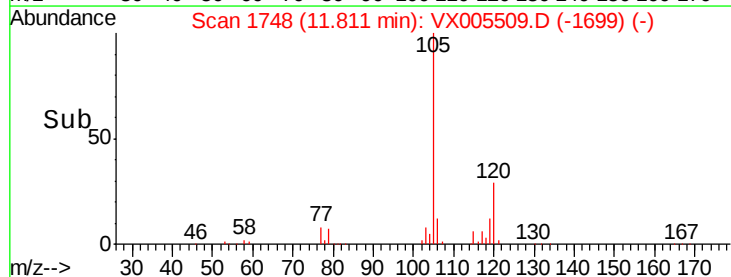
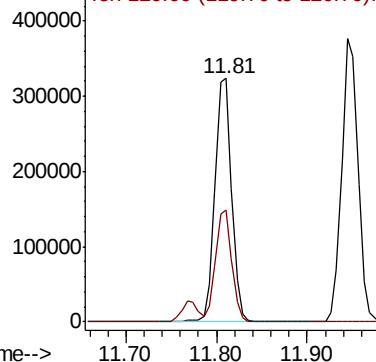
Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	23.2	69.6

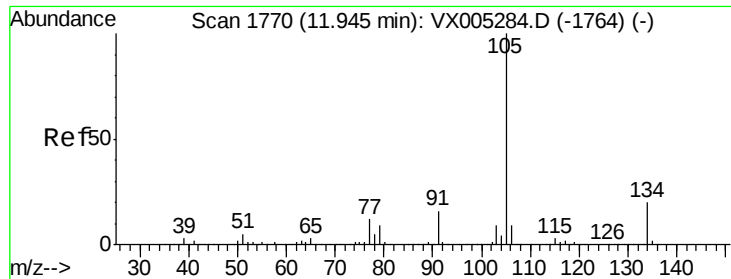


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.650 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA_X

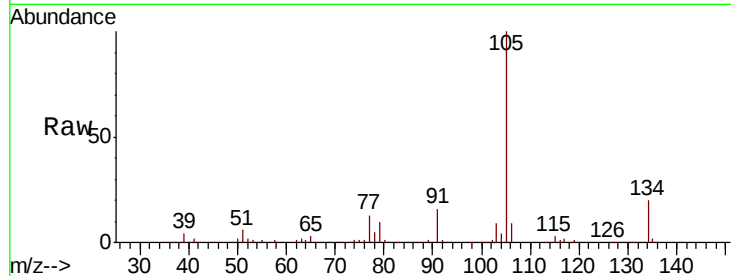
ClientSampleId :

Tot Ion:105 Resp: 469857

Ion Ratio Lower Upper

105 100

134 20.1 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

400000

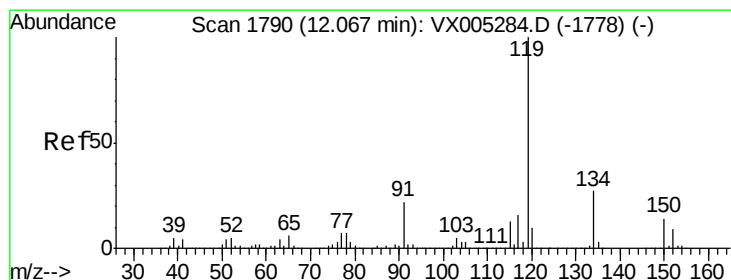
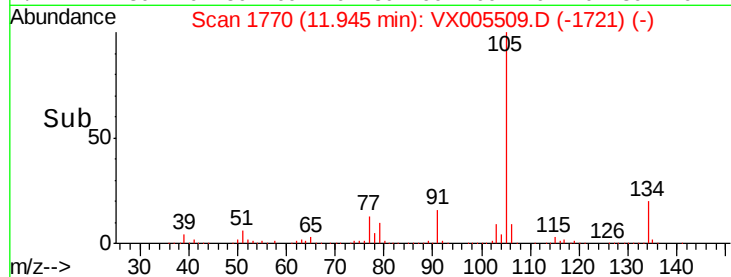
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 49.928 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

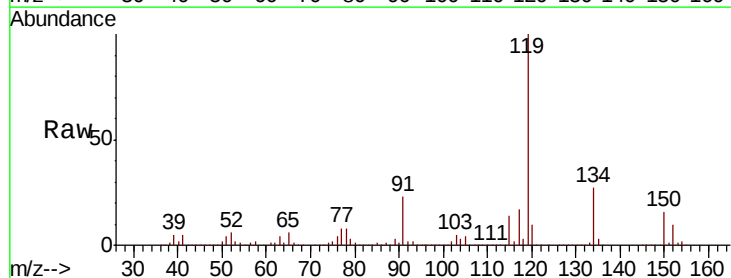
Tgt Ion:119 Resp: 418623

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

91 23.6 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

400000

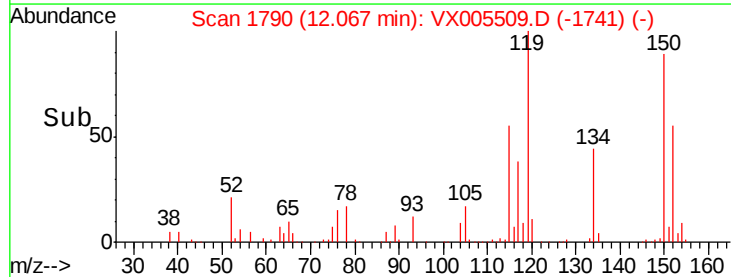
300000

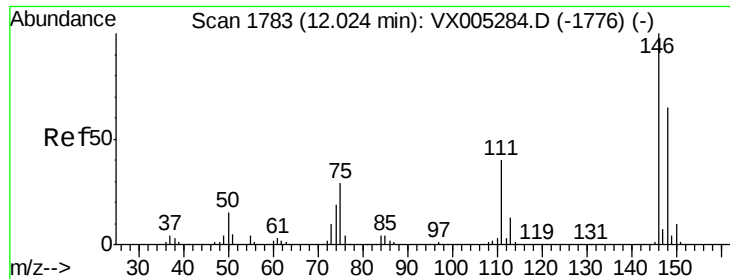
200000

100000

0

Time-->

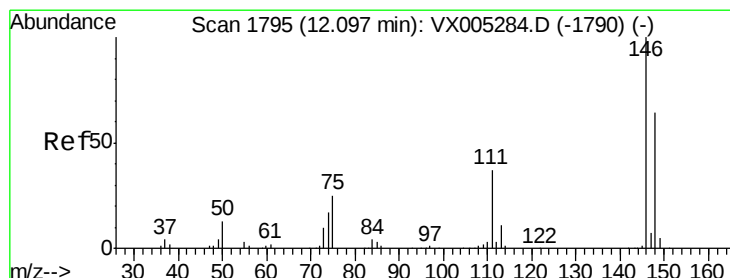
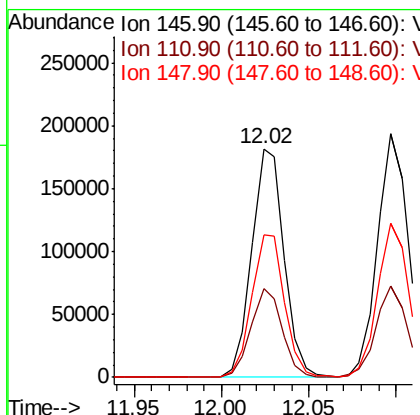
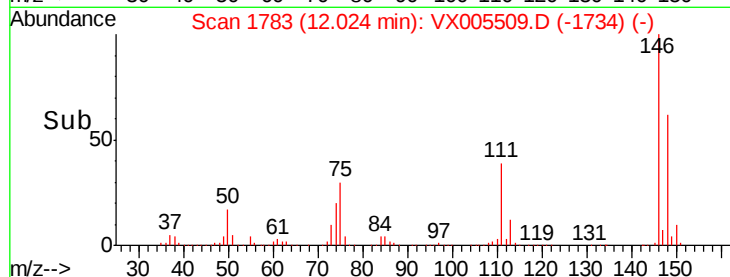
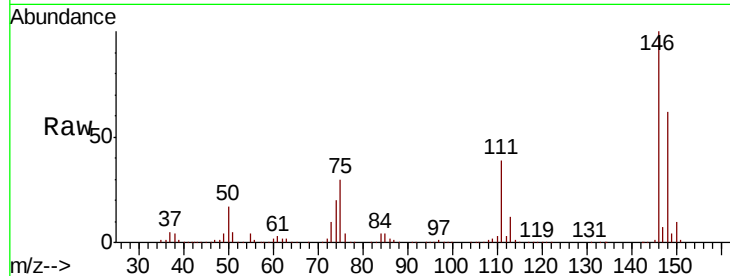




#87
 1,3-Dichlorobenzene
 Concen: 48.690 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX005509.D
 Acq: 23 Oct 2018 09:26

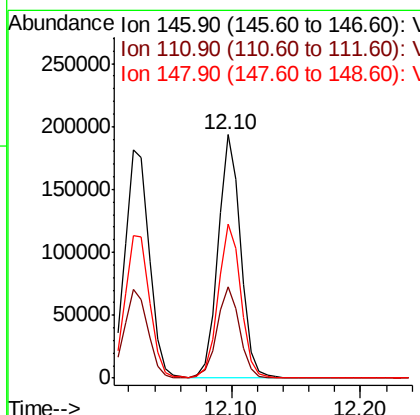
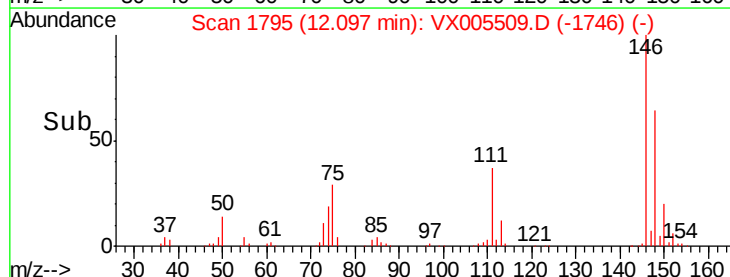
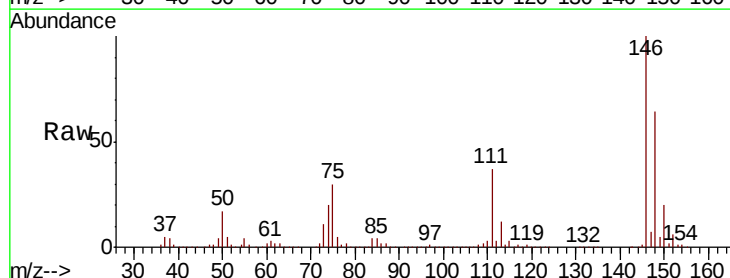
Instrument :
 MSVOA_X
 ClientSampled :

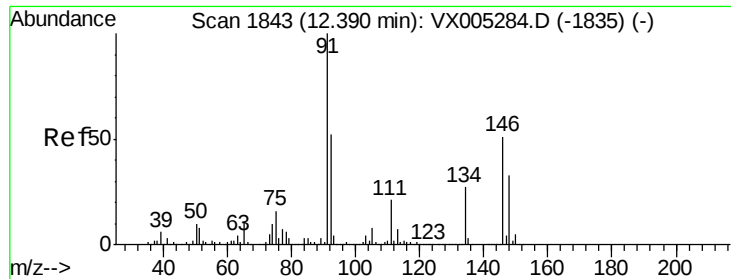
Tot Ion:146 Resp: 235154
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.7 56.1
 148 63.5 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 48.165 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005509.D
 Acq: 23 Oct 2018 09:26

Tgt Ion:146 Resp: 237974
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.1 54.1
 148 63.8 32.0 96.0

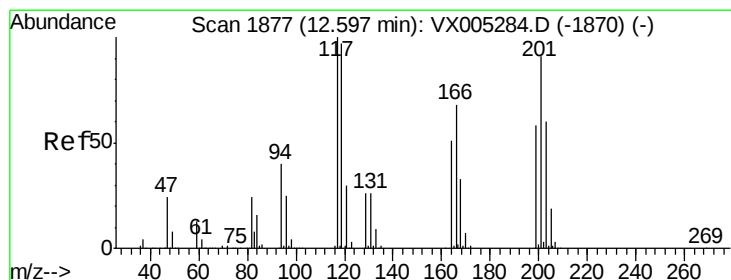
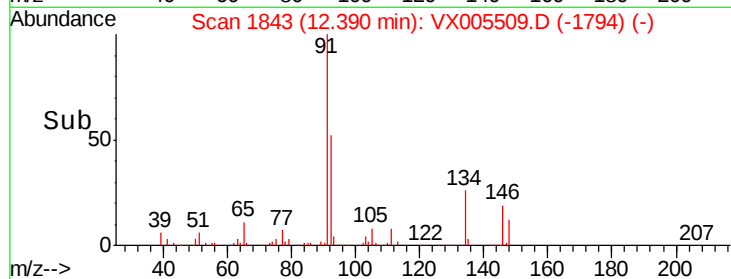
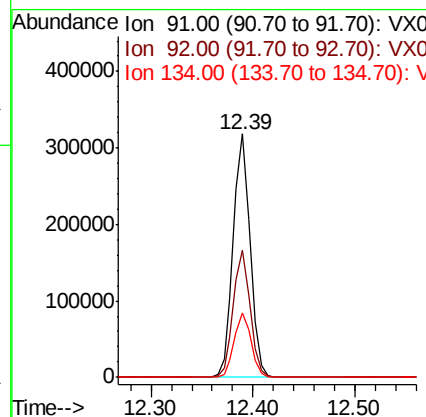
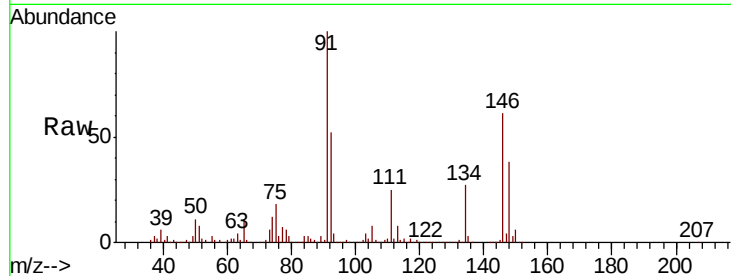




#89
n-Butylbenzene
Concen: 47.871 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

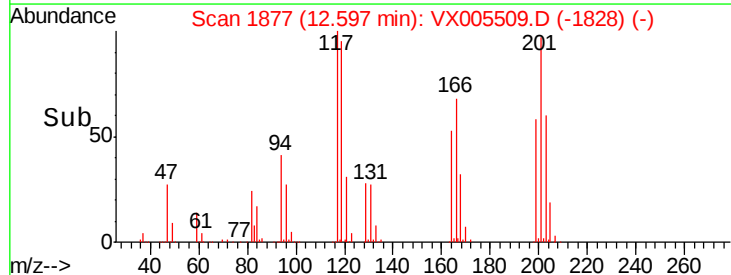
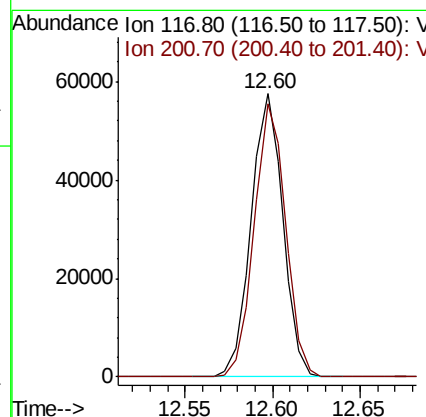
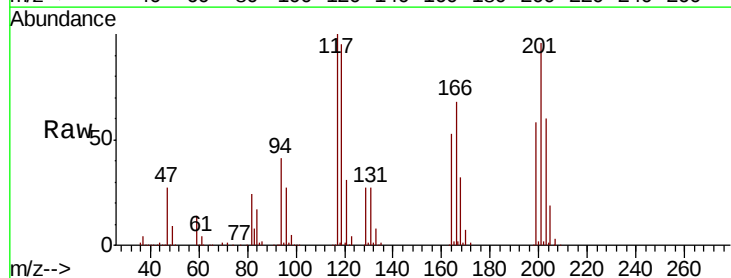
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 91 Resp: 364434
Ion Ratio Lower Upper
91 100
92 52.0 27.3 81.9
134 26.4 13.6 40.7



#90
Hexachloroethane
Concen: 50.453 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

Tgt Ion: 117 Resp: 72905
Ion Ratio Lower Upper
117 100
201 95.8 46.9 140.6





#91

1,2-Dichlorobenzene

Concen: 48.879 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA_X

ClientSampled :

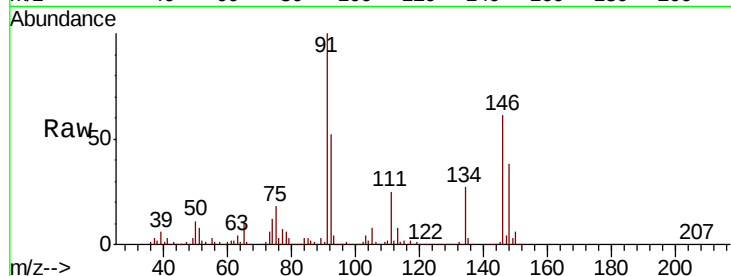
Tot Ion:146 Resp: 240902

Ion Ratio Lower Upper

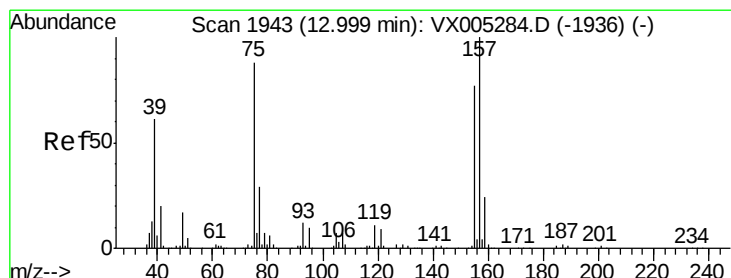
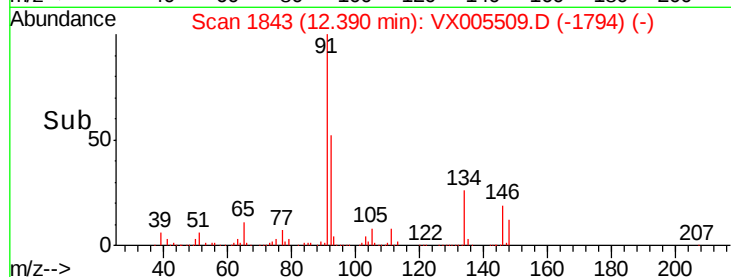
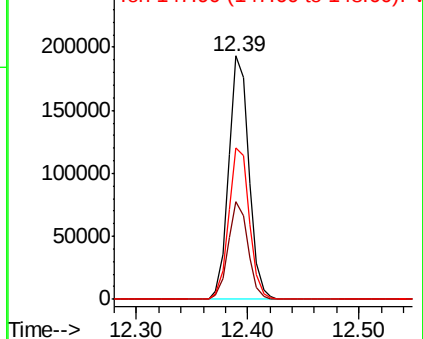
146 100

111 39.6 19.4 58.1

148 63.6 32.8 98.3



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.088 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

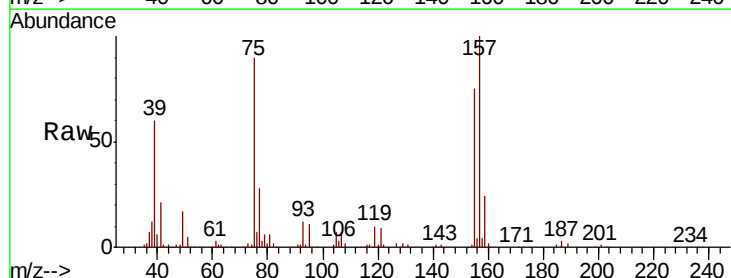
Tgt Ion: 75 Resp: 41662

Ion Ratio Lower Upper

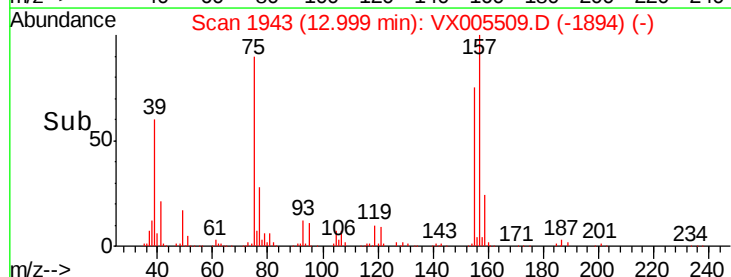
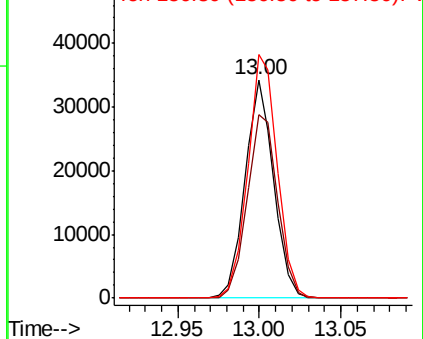
75 100

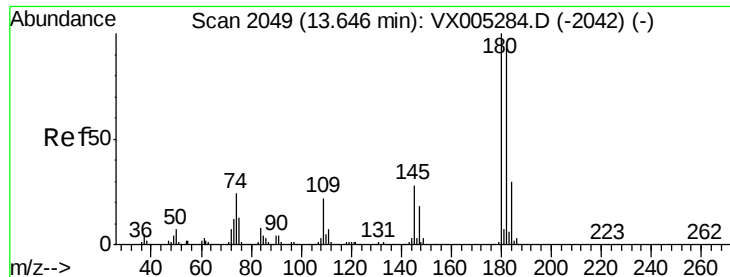
155 89.6 48.0 144.2

157 115.6 61.4 184.1



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

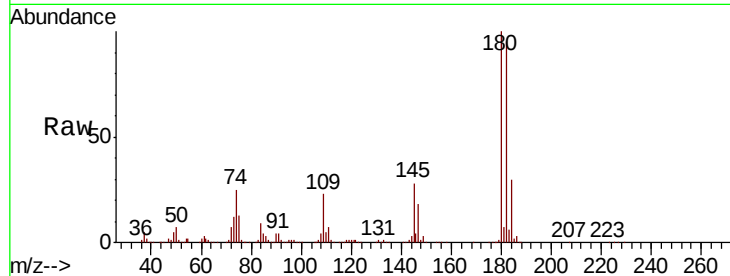




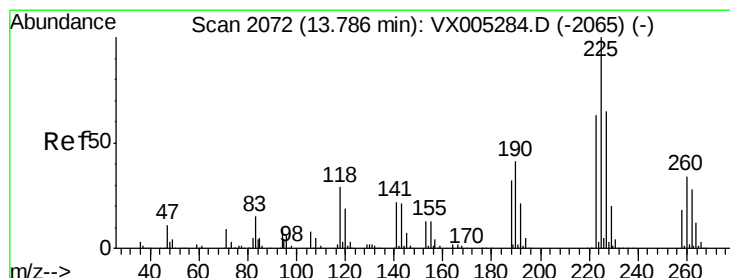
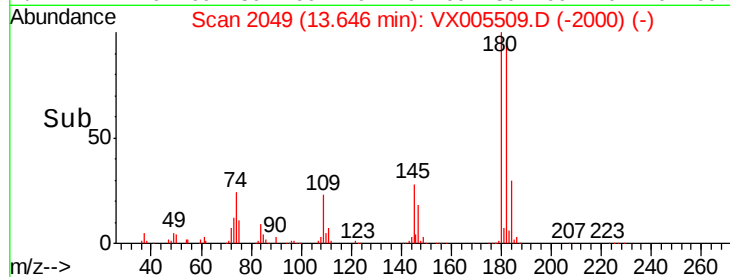
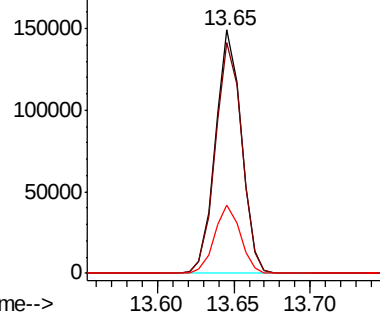
#93
 1,2,4-Trichlorobenzene
 Concen: 48.404 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005509.D
 Acq: 23 Oct 2018 09:26

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 175024
 Ion Ratio Lower Upper
 180 100
 182 96.7 48.4 145.0
 145 28.0 14.3 42.9

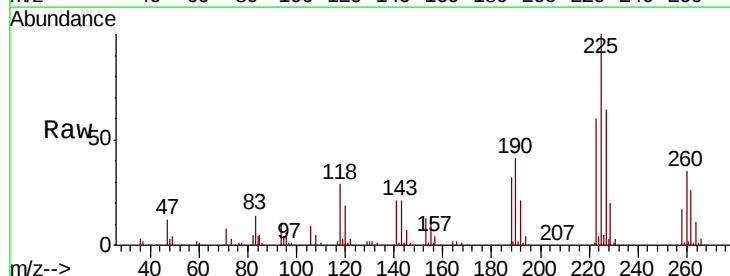


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

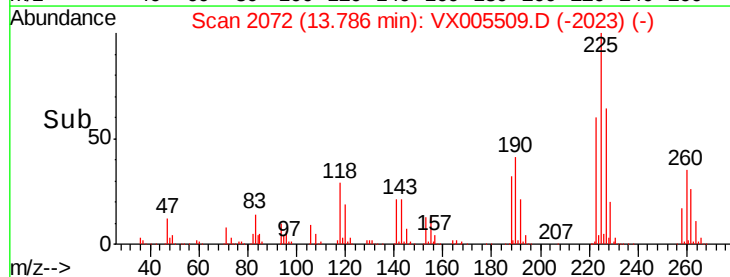
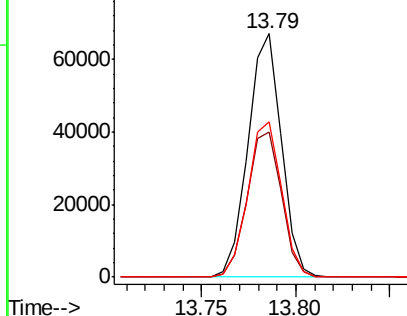


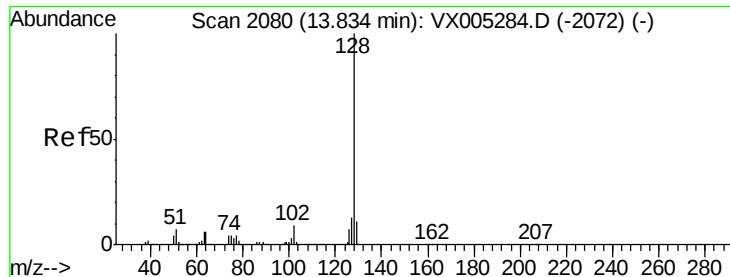
#94
 Hexachlorobutadiene
 Concen: 43.134 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX005509.D
 Acq: 23 Oct 2018 09:26

Tgt Ion:225 Resp: 82375
 Ion Ratio Lower Upper
 225 100
 223 61.4 30.1 90.5
 227 64.8 30.8 92.4



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

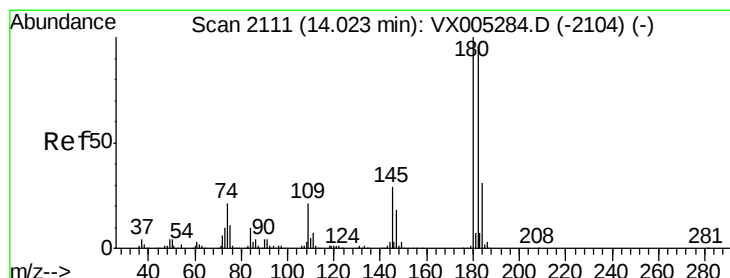
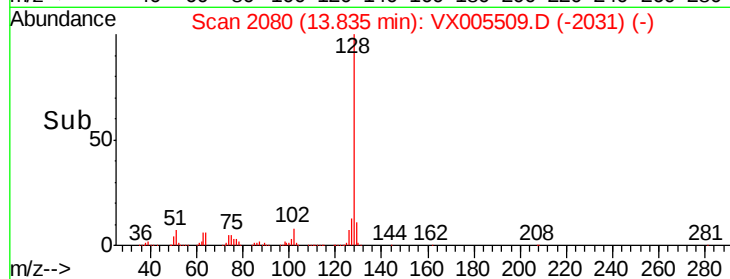
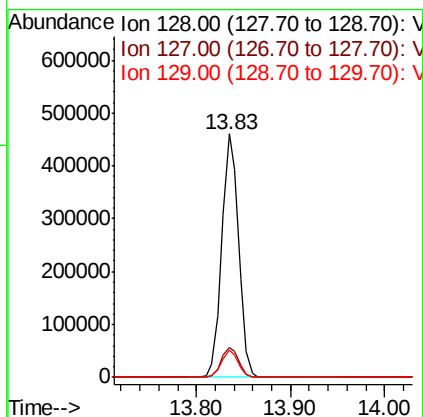
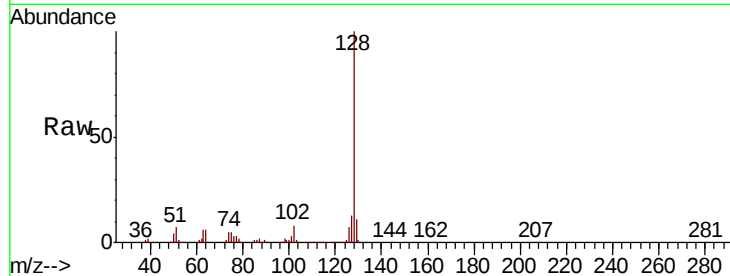




#95
Naphthalene
Concen: 54.177 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005509.D
Acq: 23 Oct 2018 09:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 568131
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 50.251 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
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Tgt Ion:180 Resp: 185917
Ion Ratio Lower Upper
180 100
182 95.6 48.5 145.6
145 29.6 14.9 44.9

