

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\
 Data File : VX003779.D
 Acq On : 01 Aug 2018 05:09
 Operator : JC/SP
 Sample : J4143-04
 Misc : 525G/5.0mL/MSVOA X/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-1(11-13)

Quant Time: Aug 01 06:47:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 11:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	82504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	125717	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	88347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	22958	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	36250	43.44	ug/l	0.00
Spiked Amount			Recovery	=	86.88%	
35) Dibromofluoromethane	5.51	113	31660	42.77	ug/l	0.00
Spiked Amount			Recovery	=	85.54%	
50) Toluene-d8	8.72	98	130202	42.19	ug/l	0.00
Spiked Amount			Recovery	=	84.38%	
62) 4-Bromofluorobenzene	11.14	95	24924	21.90	ug/l	0.00
Spiked Amount			Recovery	=	43.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	223	Below Cal		91
6) Chloroethane	1.79	64	707	1.14	ug/l #	42
10) Methyl Iodide	2.51	142	384	0.43	ug/l #	87
11) Tert butyl alcohol	3.07	59	455	3.37	ug/l #	73
14) Allyl chloride	2.71	41	456	0.35	ug/l #	55
15) Acrylonitrile	3.14	53	363	1.06	ug/l	91
16) Acetone	2.45	43	63169	198.19	ug/l	99
17) Carbon Disulfide	2.57	76	12529	5.22	ug/l	99
18) Methyl Acetate	2.78	43	1383	1.54	ug/l #	90
19) Methyl tert-butyl Ether	3.21	73	1257	0.63	ug/l #	86
20) Methylene Chloride	2.85	84	2595	Below Cal	#	96
25) 2-Butanone	4.70	43	18024	38.79	ug/l	97
26) 2,2-Dichloropropane	4.74	77	1668	1.54	ug/l #	51
29) Tetrahydrofuran	5.18	42	113	0.38	ug/l #	33
30) Chloroform	5.23	83	502	0.37	ug/l	87
36) 1,1-Dichloropropene	5.67	75	6290	5.34	ug/l #	48
37) Ethyl Acetate	4.70	43	18024	19.93	ug/l #	68
38) Carbon Tetrachloride	5.67	117	7896	7.25	ug/l #	16
39) Methylcyclohexane	7.46	83	623	0.43	ug/l #	66
40) Benzene	6.15	78	1337	0.40	ug/l #	86
43) Isopropyl Acetate	6.30	43	399	0.28	ug/l #	60
51) 4-Methyl-2-Pentanone	8.66	43	351	0.40	ug/l #	55
52) Toluene	8.79	92	1822	0.87	ug/l	83
55) 1,1,2-Trichloroethane	9.17	97	271	0.37	ug/l #	15
59) 2-Hexanone	9.51	43	300	0.44	ug/l	81
67) Ethyl Benzene	10.26	91	1013	0.32	ug/l	99
68) m/p-Xylenes	10.36	106	570	0.47	ug/l	96
69) o-Xylene	10.70	106	269	0.24	ug/l	95
70) Styrene	10.71	104	631	0.33	ug/l	91
73) Isopropylbenzene	11.02	105	510	0.35	ug/l	87
74) N-amyl acetate	6.30	43	399	0.78	ug/l #	72
75) 1,1,2,2-Tetrachloroethane	11.27	83	151	0.40	ug/l #	26
76) 1,2,3-Trichloropropane	11.14	75	11942	37.74	ug/l #	35
77) Bromobenzene	11.26	156	165	0.44	ug/l	54

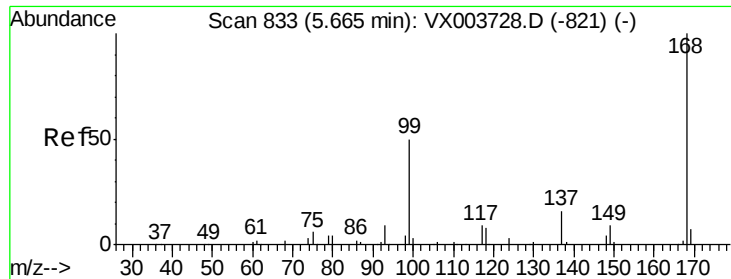
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\
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Quant Time: Aug 01 06:47:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 11:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) n-propylbenzene	11.36	91	625	0.36	ug/l	97
79) 2-Chlorotoluene	11.43	91	502	0.51	ug/l	73
80) 1,3,5-Trimethylbenzene	11.44	105	537	0.44	ug/l	76
81) trans-1,4-Dichloro-2-buten	11.14	75	11942	111.78	ug/l #	11
82) 4-Chlorotoluene	11.51	91	536	0.45	ug/l	94
83) tert-Butylbenzene	11.77	119	520	0.43	ug/l #	71
84) 1,2,4-Trimethylbenzene	11.81	105	1305	1.03	ug/l	90
85) sec-Butylbenzene	11.95	105	529	0.34	ug/l	89
86) p-Isopropyltoluene	12.07	119	562	0.40	ug/l	95
87) 1,3-Dichlorobenzene	12.03	146	438	0.58	ug/l	93
88) 1,4-Dichlorobenzene	12.03	146	438	0.57	ug/l	92
89) n-Butylbenzene	12.39	91	669	0.50	ug/l	86
90) Hexachloroethane	12.59	117	49	0.23	ug/l #	1
91) 1,2-Dichlorobenzene	12.40	146	384	0.54	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.82	75	135	1.82	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.65	180	537	0.96	ug/l #	72
94) Hexachlorobutadiene	13.79	225	187	0.52	ug/l	95
95) Naphthalene	13.83	128	7997	6.68	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	650	1.28	ug/l #	65

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003779.D

Acq: 01 Aug 2018 05:09

Instrument :

MSVOA_X

ClientSampled :

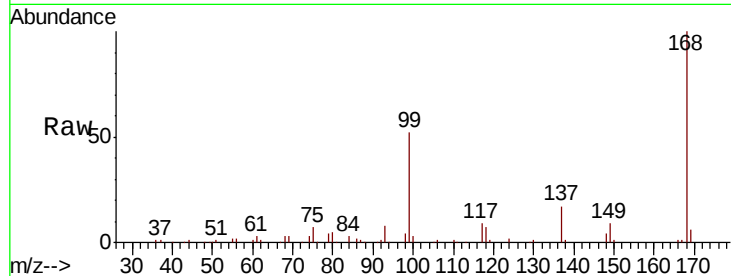
SB-1(11-13)

Tot Ion:168 Resp: 82504

Ion Ratio Lower Upper

168 100

99 51.9 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

30000

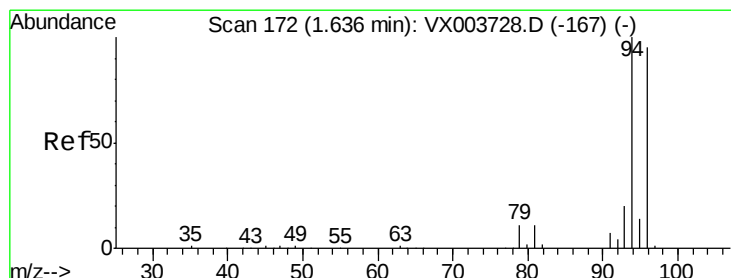
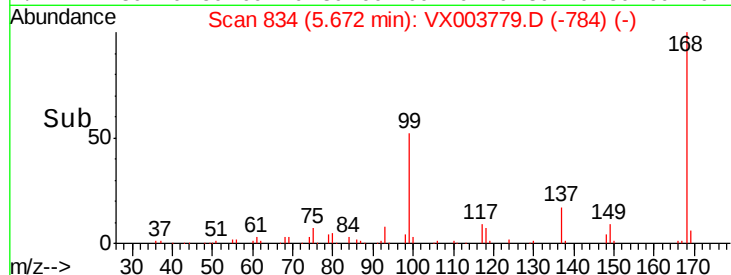
20000

10000

0

5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX003779.D

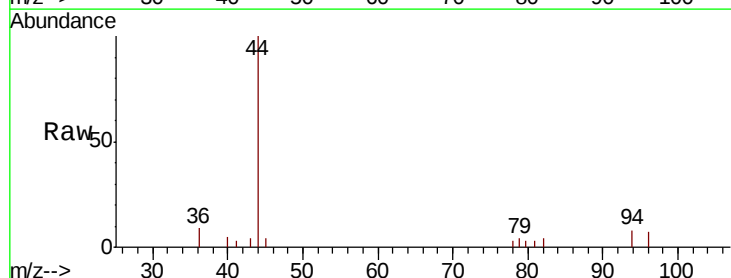
Acq: 01 Aug 2018 05:09

Tgt Ion: 94 Resp: 223

Ion Ratio Lower Upper

94 100

96 85.8 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

150

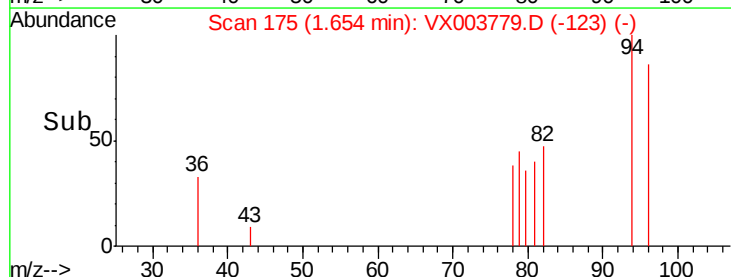
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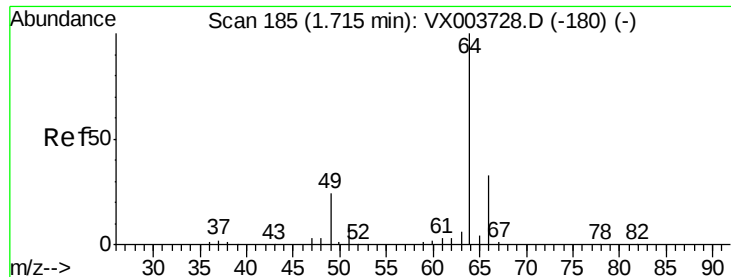
50

0

1.65 1.70

Time-->





#6

Chloroethane

Concen: 1.14 ug/l

RT: 1.79 min Scan# 198

Delta R.T. 0.08 min

Lab File: VX003779.D

Acq: 01 Aug 2018 05:09

Instrument :

MSVOA_X

ClientSampled :

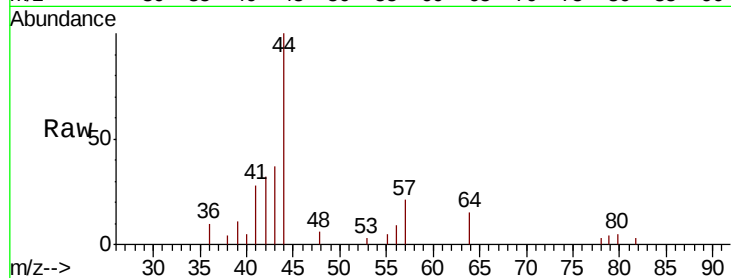
SB-1(11-13)

Tot Ion: 64 Resp: 707

Ion Ratio Lower Upper

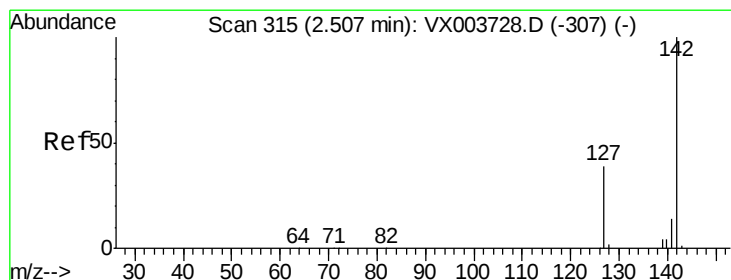
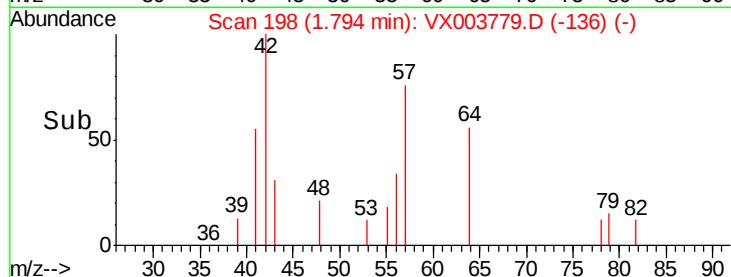
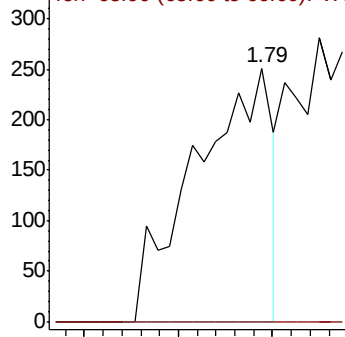
64 100

66 0.0 26.4 39.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.43 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX003779.D

Acq: 01 Aug 2018 05:09

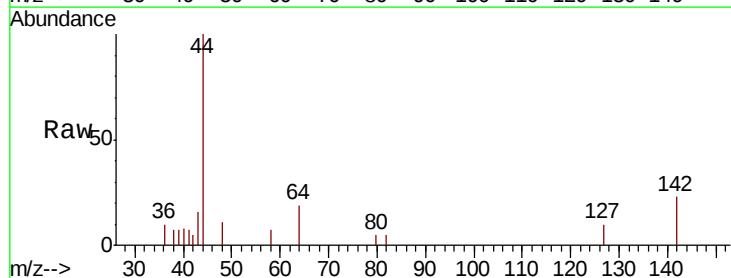
Tgt Ion: 142 Resp: 384

Ion Ratio Lower Upper

142 100

127 36.7 32.0 48.0

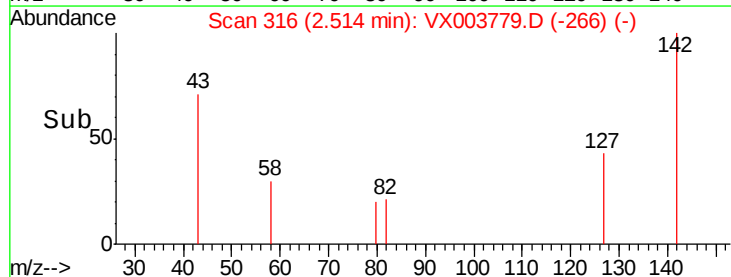
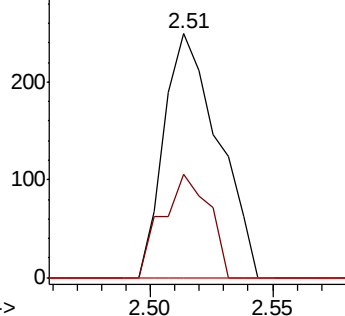
141 0.0 11.3 16.9#

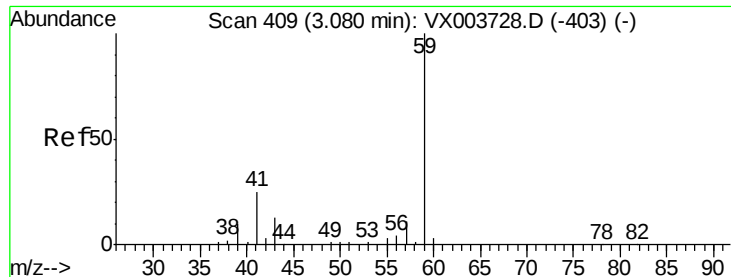


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



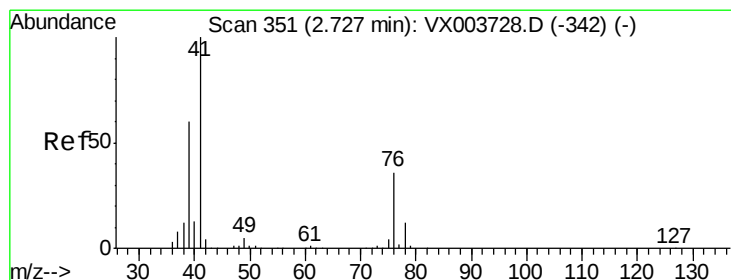
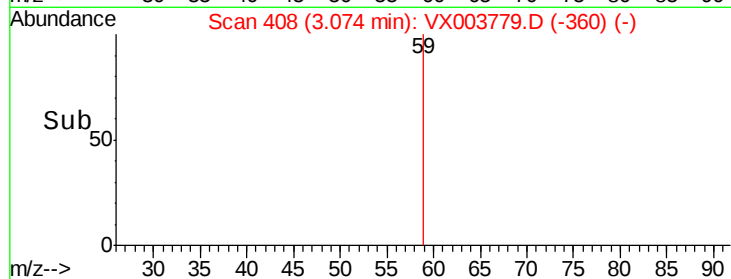
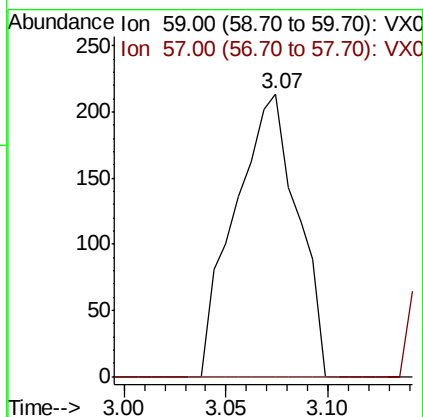
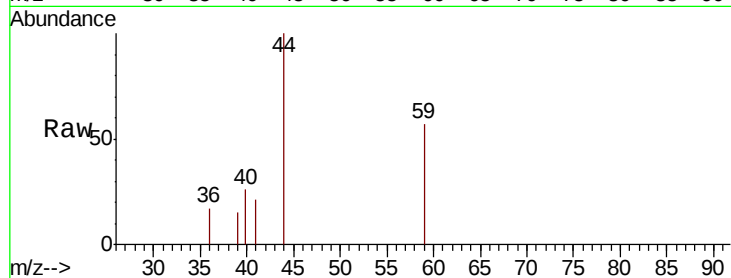


#11

Tert butyl alcohol
 Concen: 3.37 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX003779.D
 Acq: 01 Aug 2018 05:09

Instrument :
 MSVOA_X
 ClientSampled :
 SB-1(11-13)

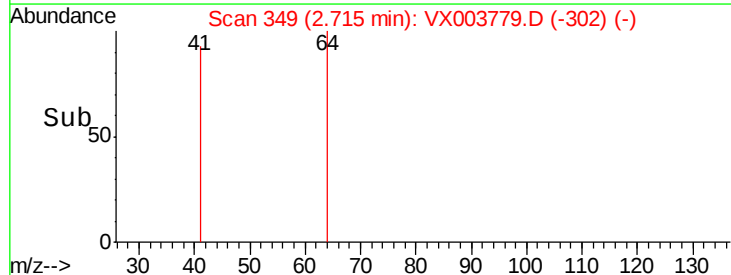
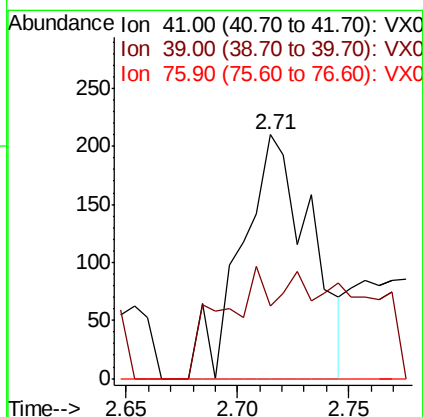
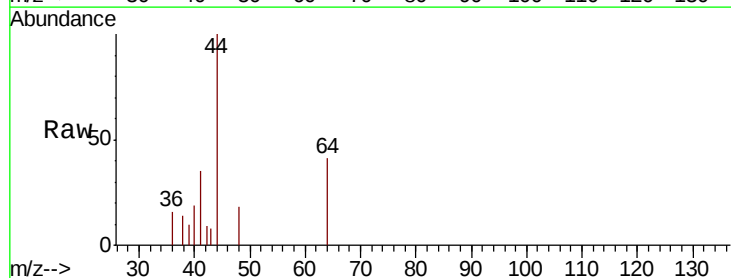
Tot Ion: 59 Resp: 455
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

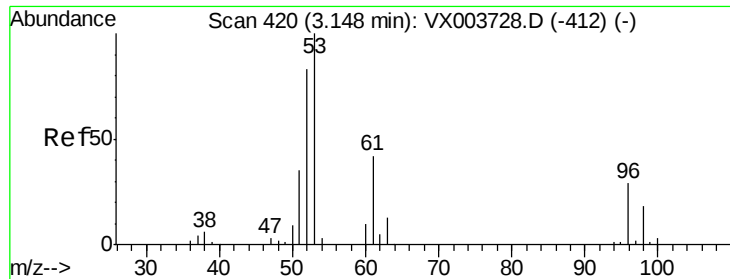


#14

Allyl chloride
 Concen: 0.35 ug/l
 RT: 2.71 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VX003779.D
 Acq: 01 Aug 2018 05:09

Tgt Ion: 41 Resp: 456
 Ion Ratio Lower Upper
 41 100
 39 31.6 47.7 71.5#
 76 0.0 27.0 40.6#





#15

Acrylonitrile

Concen: 1.06 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX003779.D

Acq: 01 Aug 2018 05:09

Instrument :

MSVOA_X

ClientSampleId :

SB-1(11-13)

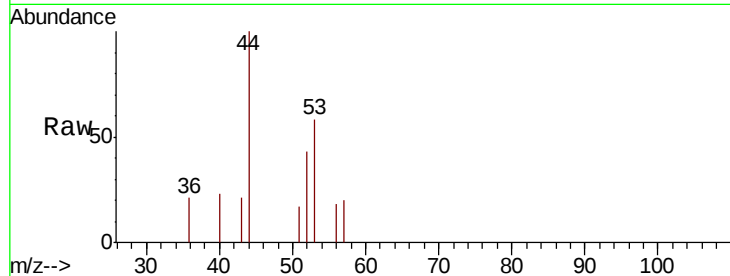
Tot Ion: 53 Resp: 363

Ion Ratio Lower Upper

53 100

52 90.4 66.2 99.2

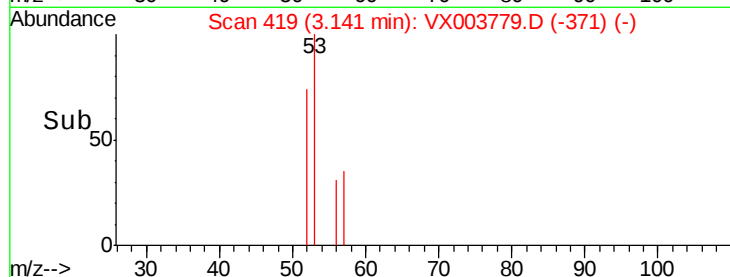
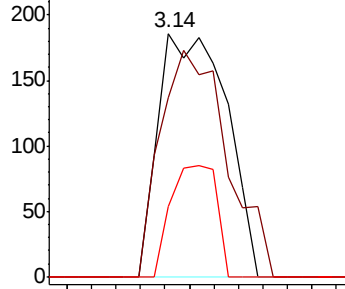
51 30.6 28.5 42.7



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: 198.19 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003779.D

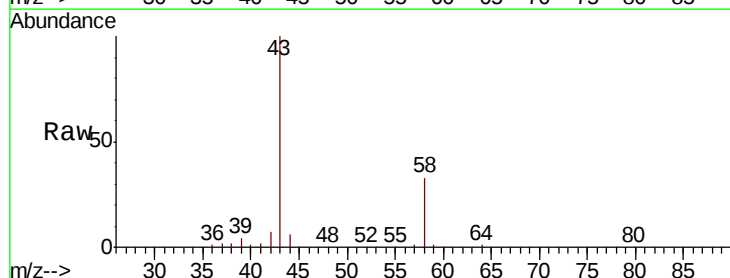
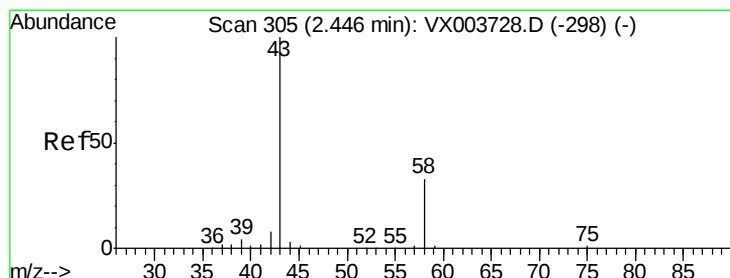
Acq: 01 Aug 2018 05:09

Tgt Ion: 43 Resp: 63169

Ion Ratio Lower Upper

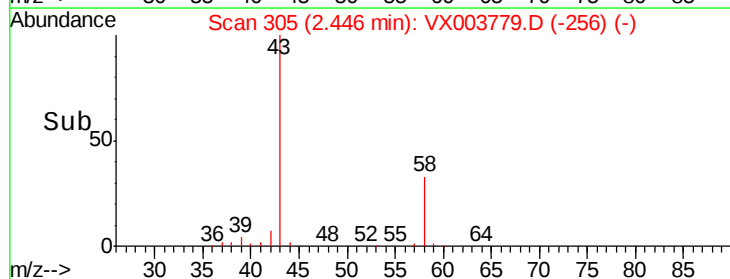
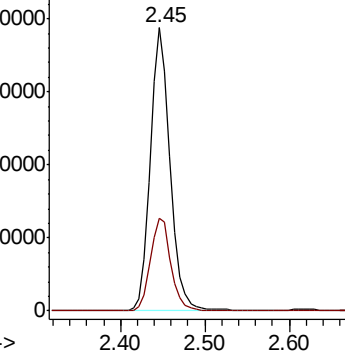
43 100

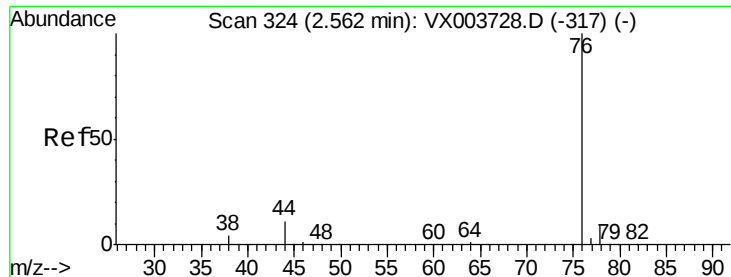
58 32.7 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

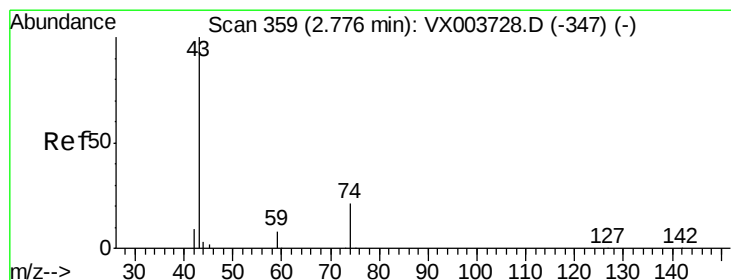
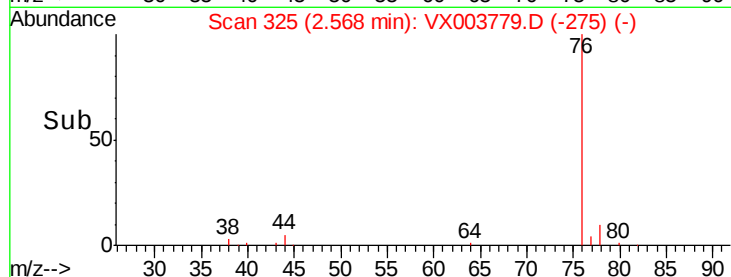
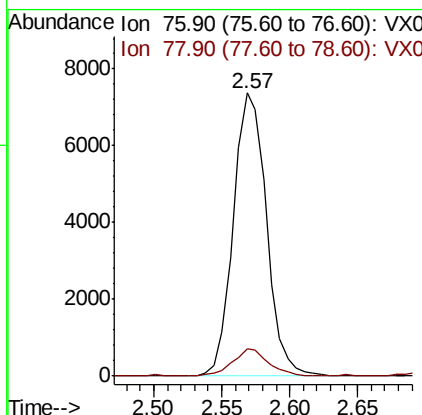
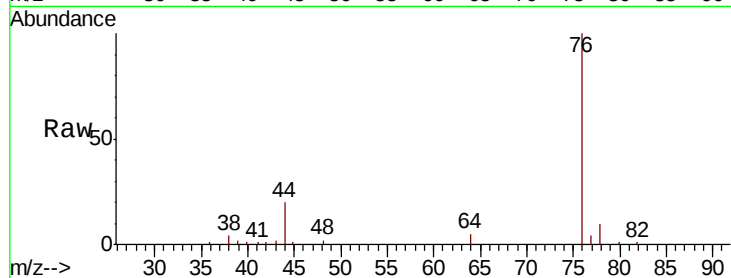




#17
Carbon Disulfide
Concen: 5.22 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.01 min
Lab File: VX003779.D
Acq: 01 Aug 2018 05:09

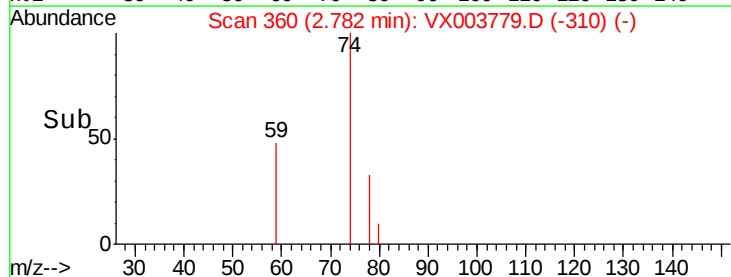
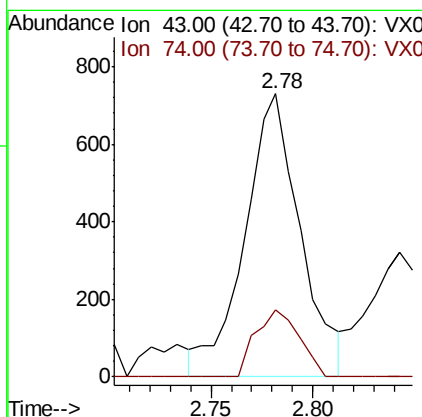
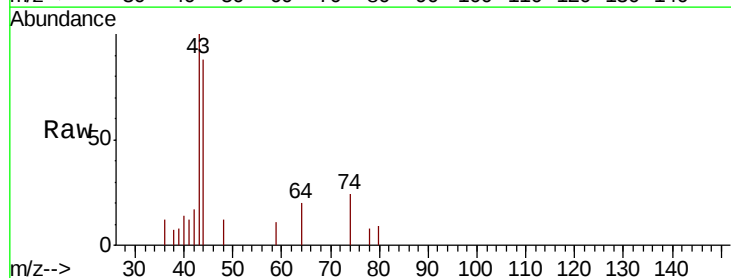
Instrument :
MSVOA_X
ClientSampleId :
SB-1(11-13)

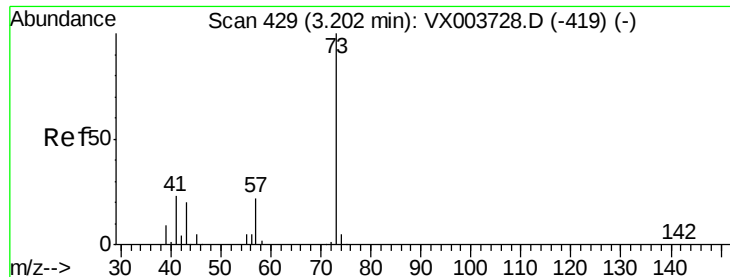
Tot Ion: 76 Resp: 12529
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9



#18
Methyl Acetate
Concen: 1.54 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.01 min
Lab File: VX003779.D
Acq: 01 Aug 2018 05:09

Tgt Ion: 43 Resp: 1383
Ion Ratio Lower Upper
43 100
74 18.8 18.9 28.3#

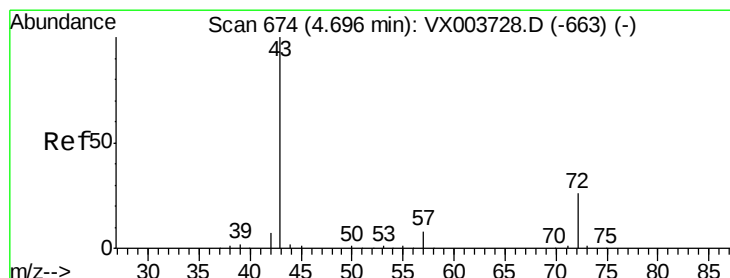
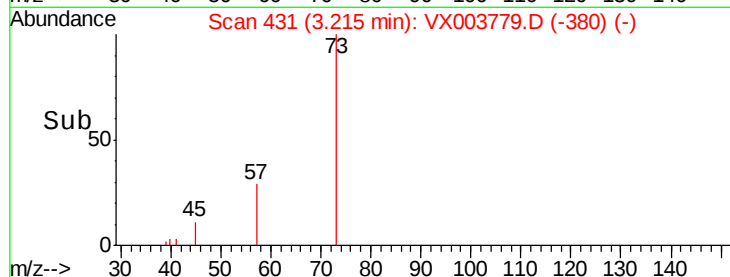
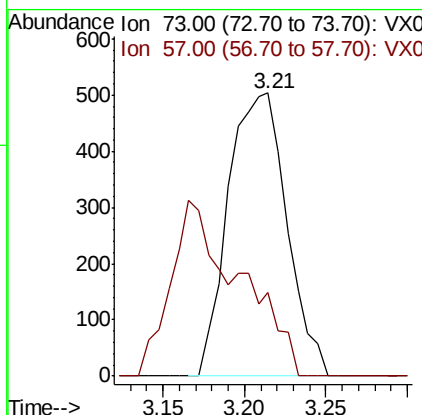
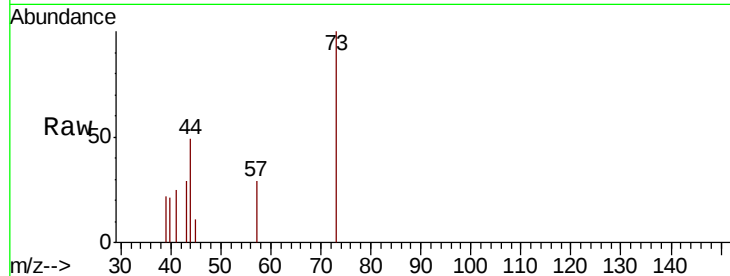




#19
Methvl tert-butvl Ether
Concen: 0.63 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX003779.D
Acq: 01 Aug 2018 05:09

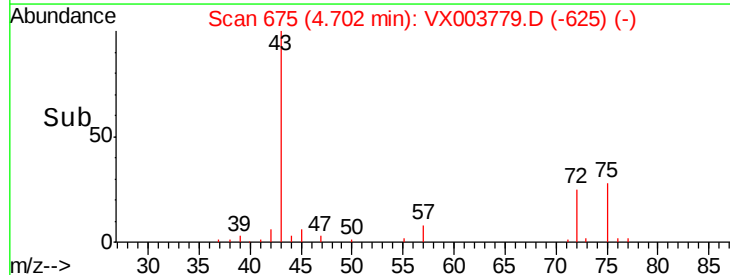
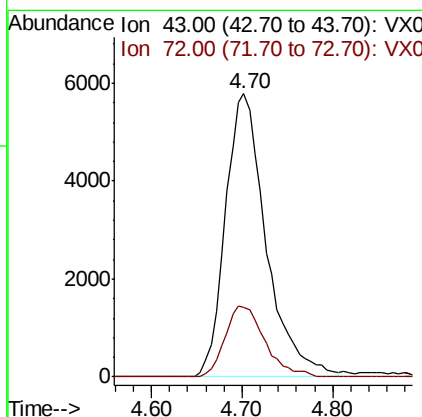
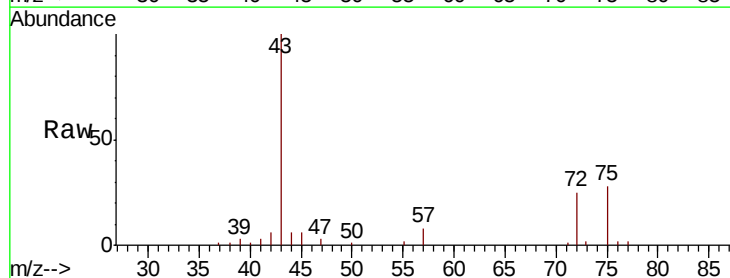
Instrument :
MSVOA_X
ClientSampled :
SB-1(11-13)

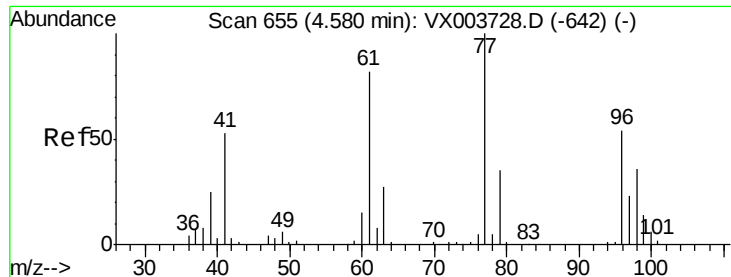
Tot Ion: 73 Resp: 1257
Ion Ratio Lower Upper
73 100
57 29.4 18.0 27.0#



#25
2-Butanone
Concen: 38.79 ug/l
RT: 4.70 min Scan# 675
Delta R.T. 0.01 min
Lab File: VX003779.D
Acq: 01 Aug 2018 05:09

Tgt Ion: 43 Resp: 18024
Ion Ratio Lower Upper
43 100
72 24.8 20.9 31.3





#26

2,2-Dichloropropane

Concen: 1.54 ug/l

RT: 4.74 min Scan# 682

Delta R.T. 0.16 min

Lab File: VX003779.D

Acq: 01 Aug 2018 05:09

Instrument :

MSVOA_X

ClientSampled :

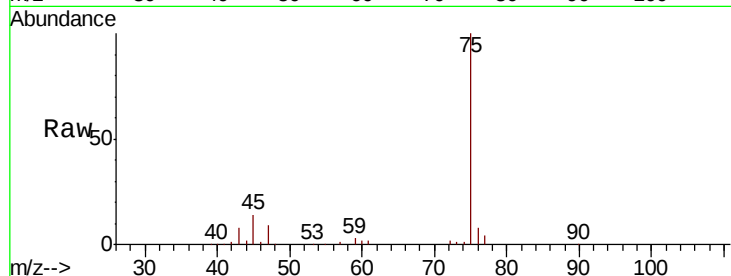
SB-1(11-13)

Tot Ion: 77 Resp: 1668

Ion Ratio Lower Upper

77 100

97 0.0 12.2 36.6#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.74

500

400

300

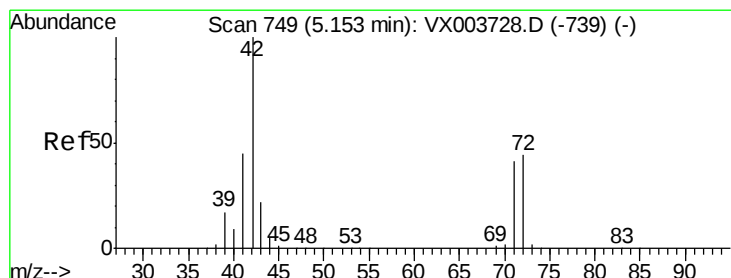
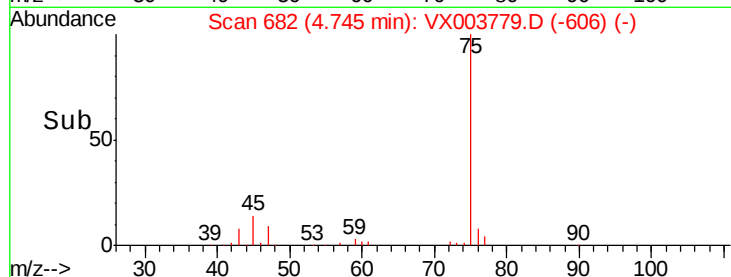
200

100

0

4.65 4.70 4.75 4.80 4.85

Time-->



#29

Tetrahydrofuran

Concen: 0.38 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.02 min

Lab File: VX003779.D

Acq: 01 Aug 2018 05:09

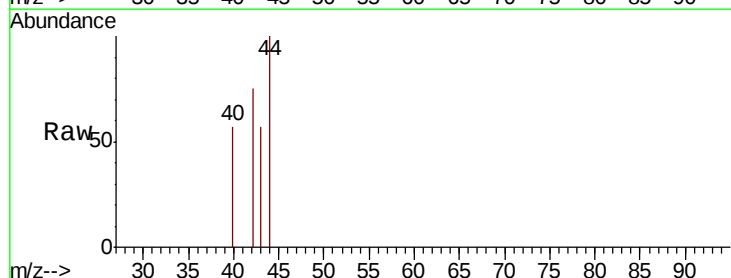
Tgt Ion: 42 Resp: 113

Ion Ratio Lower Upper

42 100

72 0.0 35.6 53.4#

71 0.0 33.4 50.0#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

120

100

80

60

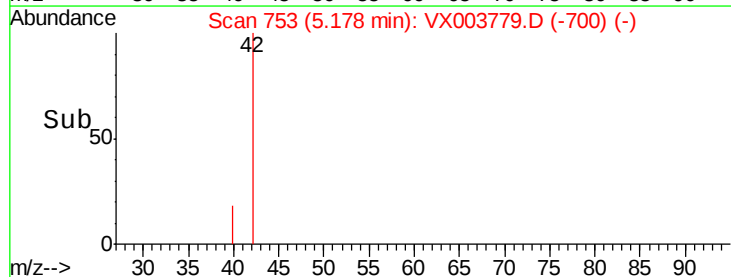
40

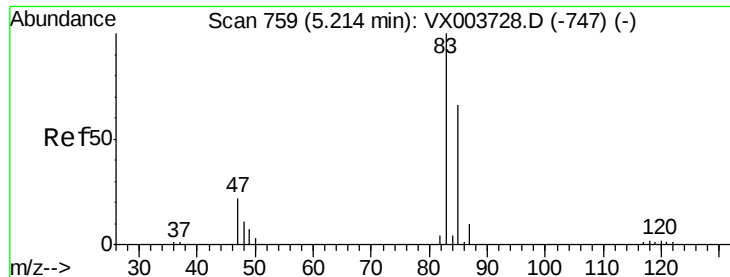
20

0

5.14 5.16 5.18 5.20

Time-->

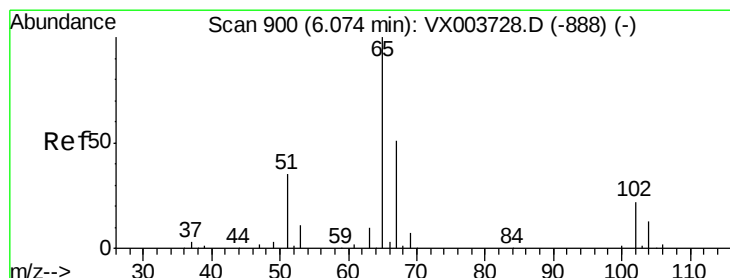
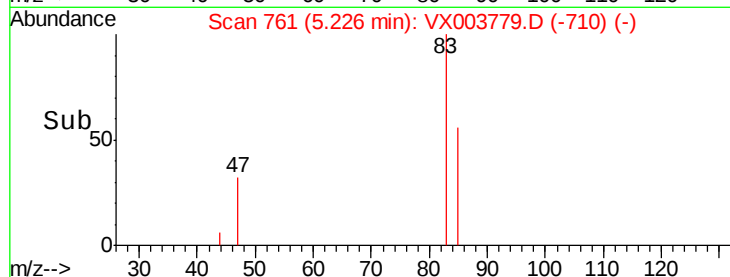
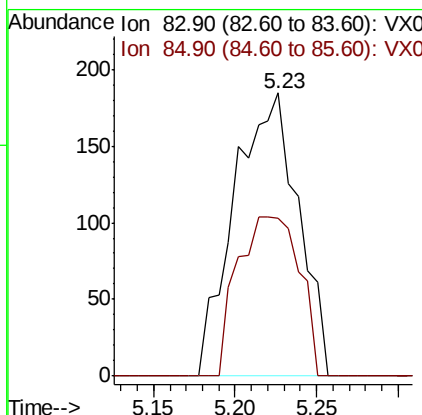
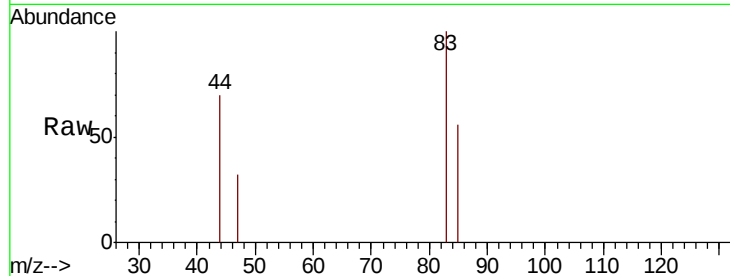




#30
Chloroform
Concen: 0.37 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX003779.D
Acq: 01 Aug 2018 05:09

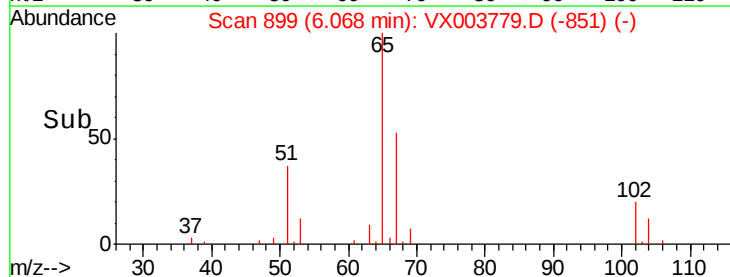
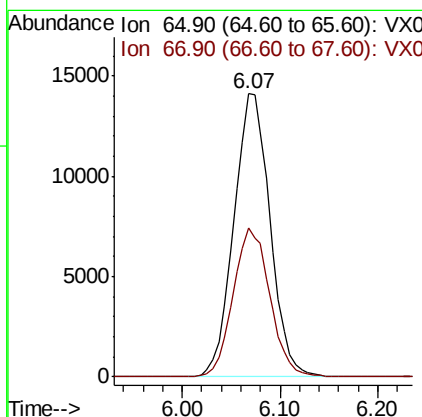
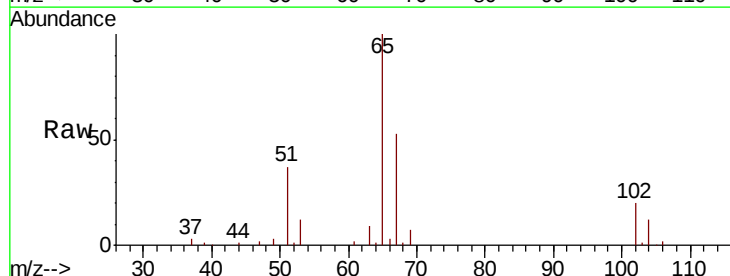
Instrument :
MSVOA_X
ClientSampled :
SB-1(11-13)

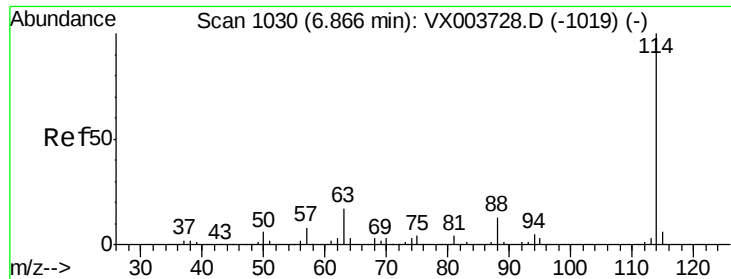
Tot Ion: 83 Resp: 502
Ion Ratio Lower Upper
83 100
85 55.7 52.8 79.2



#33
1,2-Dichloroethane-d4
Concen: 43.44 ug/l
RT: 6.07 min Scan# 899
Delta R.T. -0.01 min
Lab File: VX003779.D
Acq: 01 Aug 2018 05:09

Tgt Ion: 65 Resp: 36250
Ion Ratio Lower Upper
65 100
67 53.1 0.0 107.0

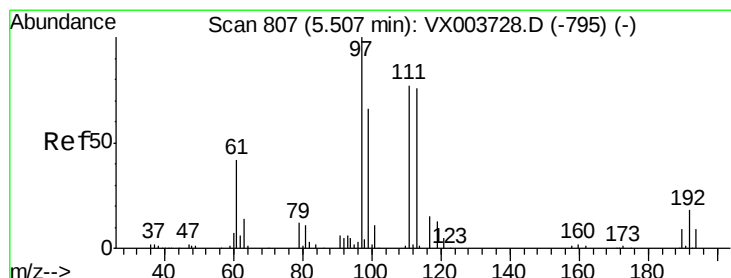
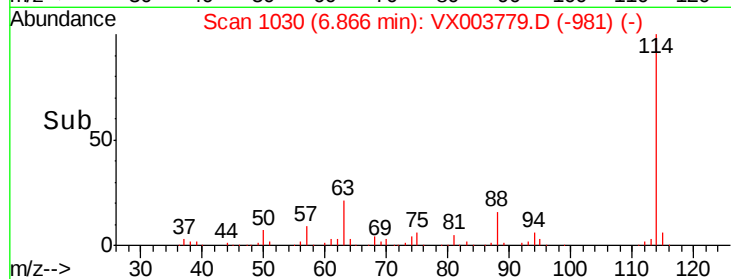
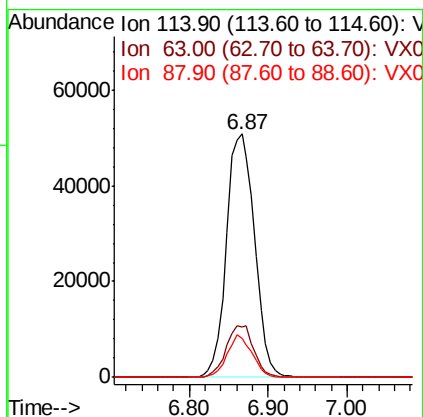
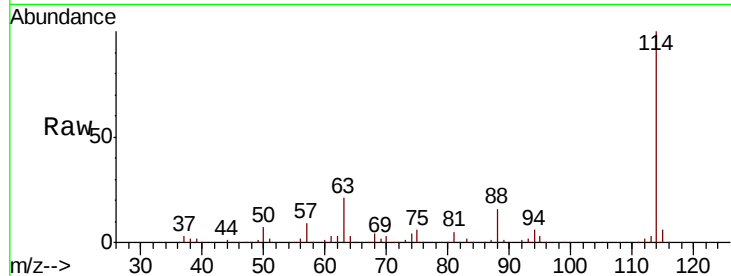




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003779.D
 Acq: 01 Aug 2018 05:09

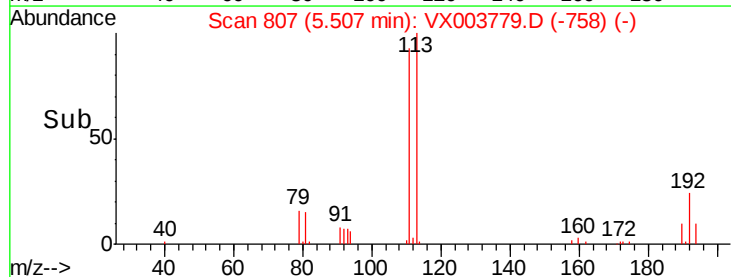
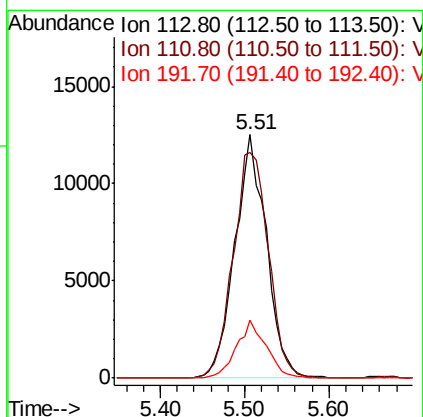
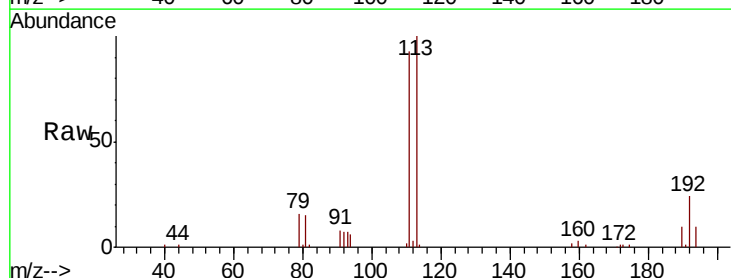
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-1(11-13)

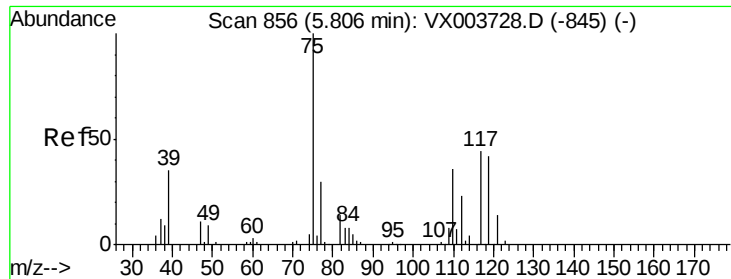
Tot Ion:114 Resp: 125717
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 34.0
 88 15.9 0.0 26.4



#35
 Dibromofluoromethane
 Concen: 42.77 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003779.D
 Acq: 01 Aug 2018 05:09

Tgt Ion:113 Resp: 31660
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.8 122.6
 192 22.2 18.8 28.2

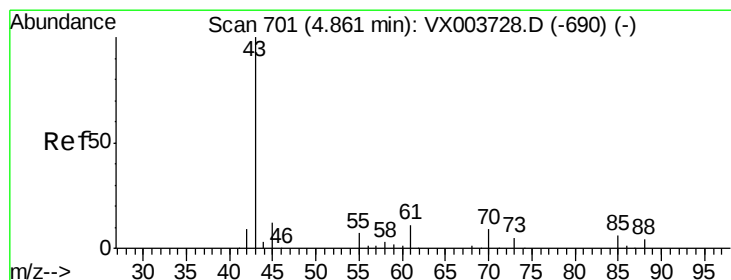
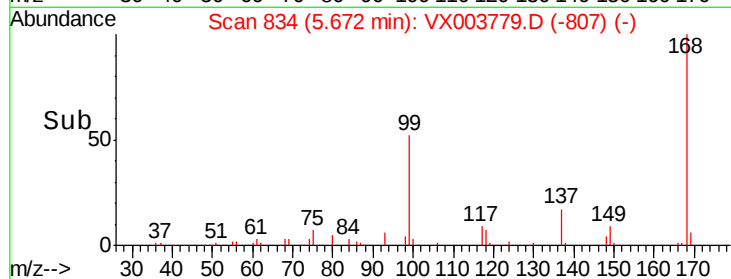
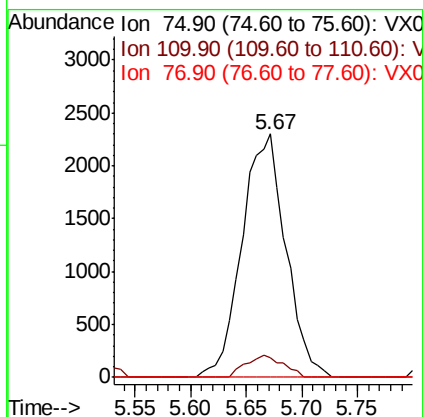
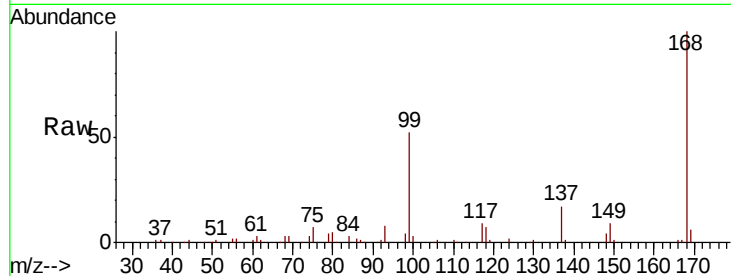




#36
 1,1-Dichloropropene
 Concen: 5.34 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX003779.D
 Acq: 01 Aug 2018 05:09

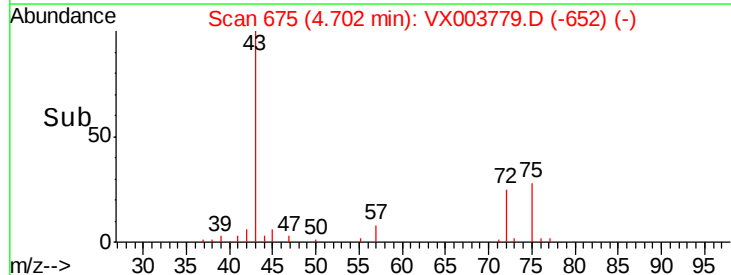
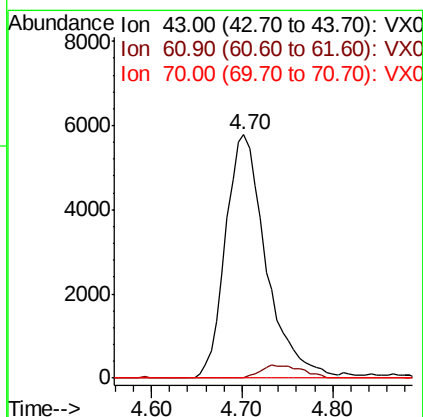
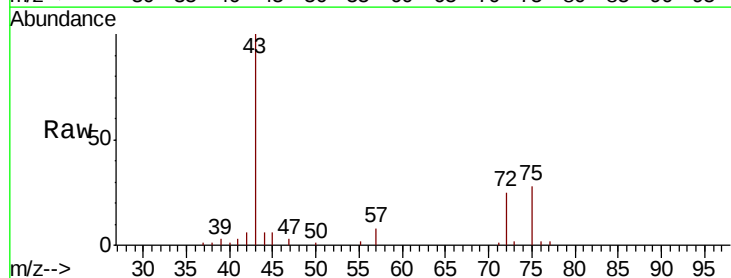
Instrument :
 MSVOA_X
 ClientSampled :
 SB-1(11-13)

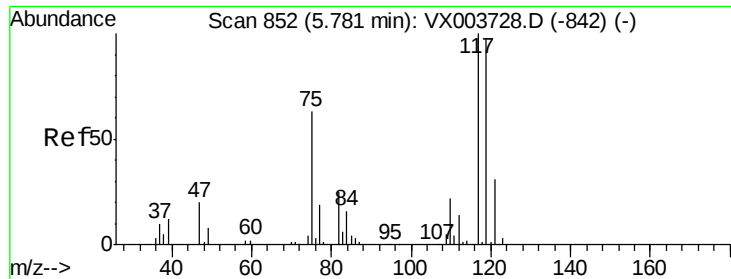
Tot Ion: 75 Resp: 6290
 Ion Ratio Lower Upper
 75 100
 110 7.7 18.3 54.8#
 77 0.0 25.1 37.7#



#37
 Ethyl Acetate
 Concen: 19.93 ug/l
 RT: 4.70 min Scan# 675
 Delta R.T. -0.16 min
 Lab File: VX003779.D
 Acq: 01 Aug 2018 05:09

Tgt Ion: 43 Resp: 18024
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.4 17.0#
 70 0.0 8.2 12.2#





#38

Carbon Tetrachloride

Concen: 7.25 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003779.D

Acq: 01 Aug 2018 05:09

Instrument :

MSVOA_X

ClientSampleId :

SB-1(11-13)

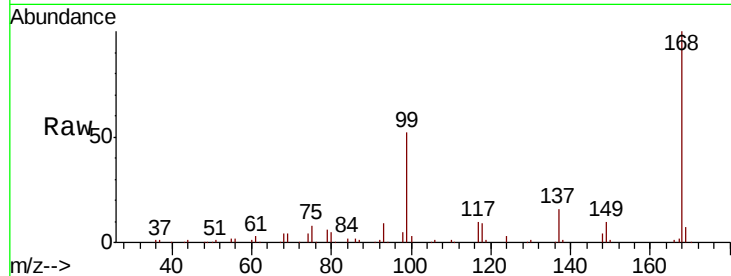
Tot Ion:117 Resp: 7896

Ion Ratio Lower Upper

117 100

119 5.3 77.2 115.8#

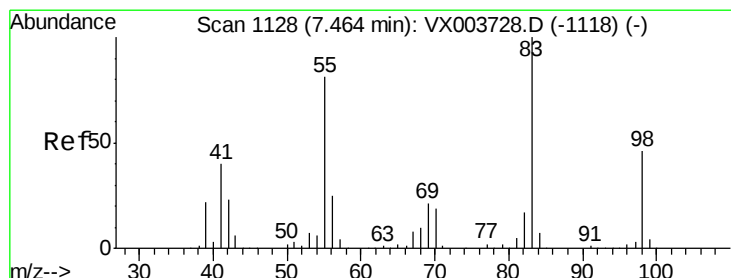
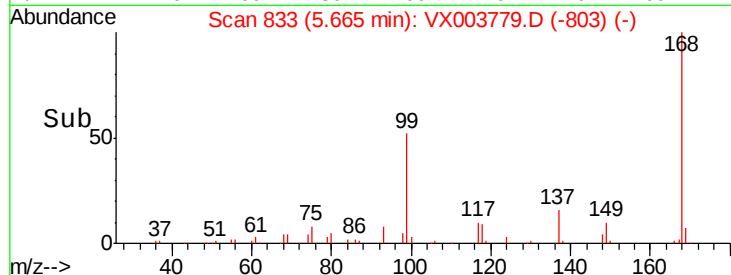
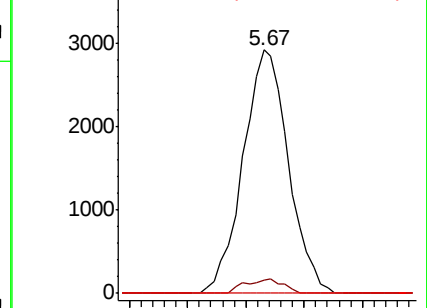
121 0.0 25.0 37.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.43 ug/l

RT: 7.46 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX003779.D

Acq: 01 Aug 2018 05:09

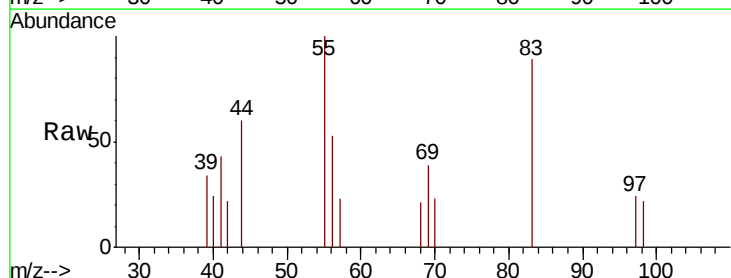
Tgt Ion: 83 Resp: 623

Ion Ratio Lower Upper

83 100

55 112.9 65.0 97.6#

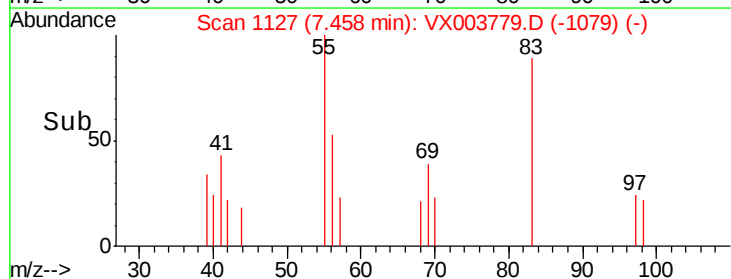
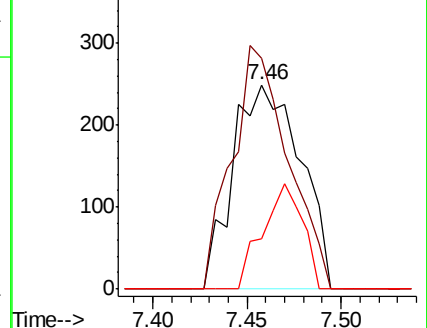
98 24.9 37.1 55.7#

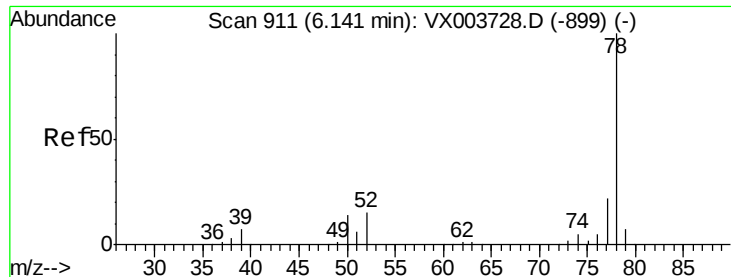


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.40 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.01 min

Lab File: VX003779.D

Acq: 01 Aug 2018 05:09

Instrument :

MSVOA_X

ClientSampled :

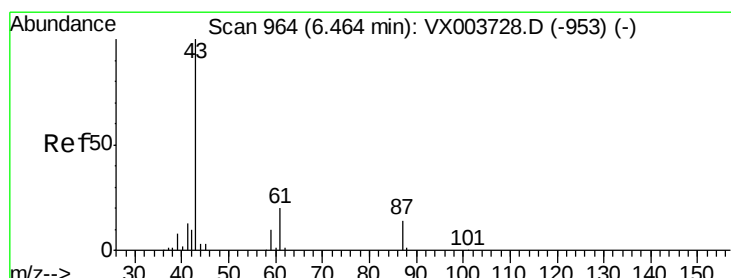
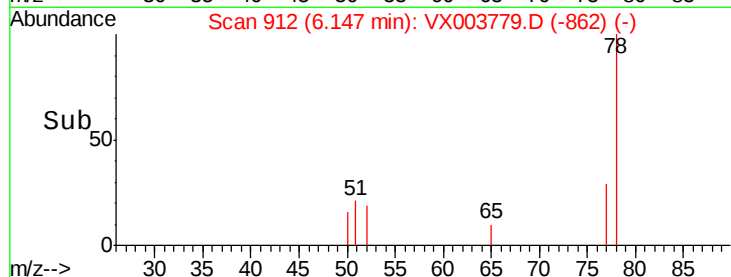
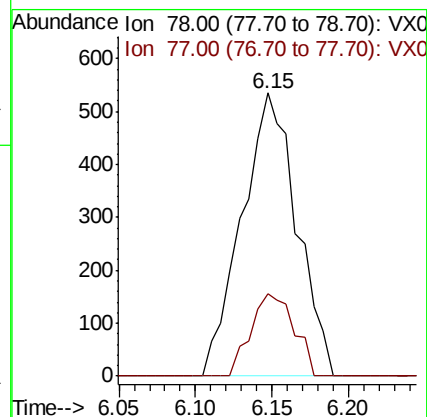
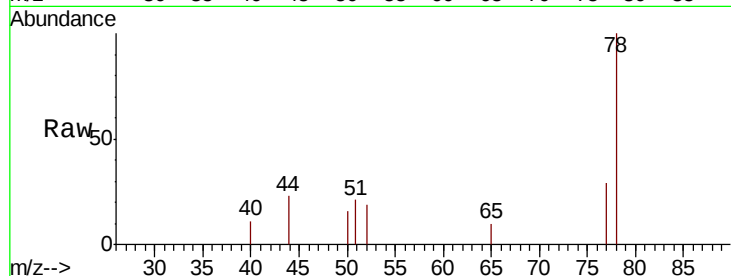
SB-1(11-13)

Tot Ion: 78 Resp: 1337

Ion Ratio Lower Upper

78 100

77 29.0 17.9 26.9#



#43

Isopropyl Acetate

Concen: 0.28 ug/l

RT: 6.30 min Scan# 937

Delta R.T. -0.16 min

Lab File: VX003779.D

Acq: 01 Aug 2018 05:09

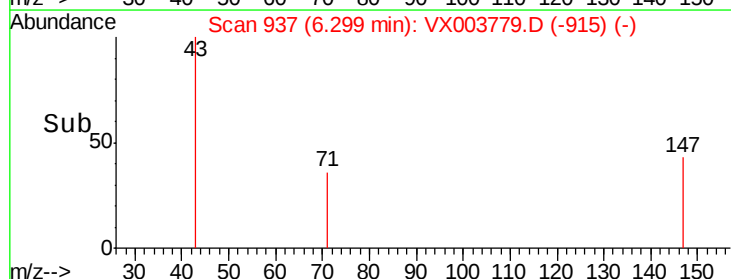
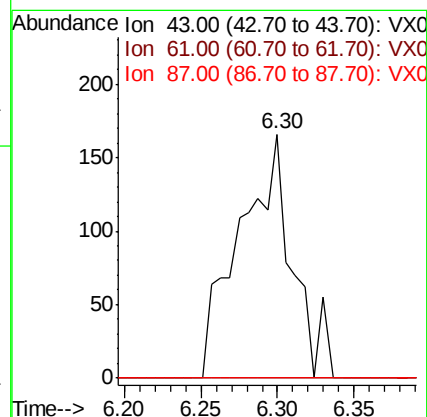
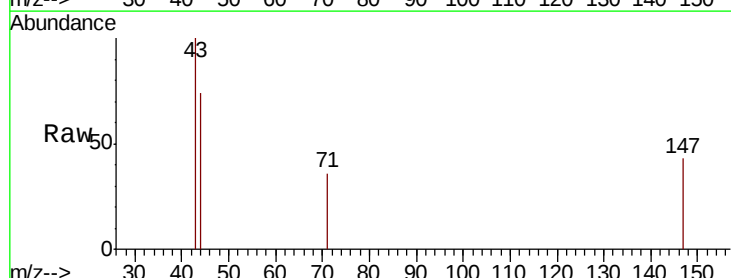
Tgt Ion: 43 Resp: 399

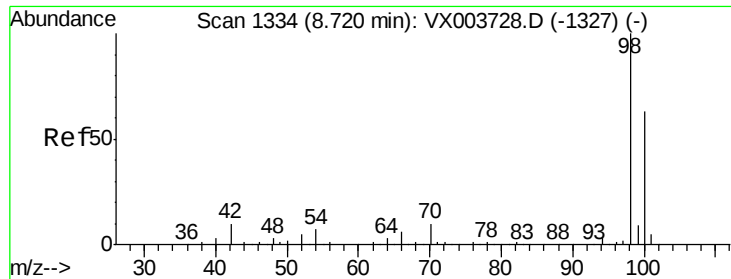
Ion Ratio Lower Upper

43 100

61 0.0 16.5 24.7#

87 0.0 10.7 16.1#





#50

Toluene-d8

Concen: 42.19 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003779.D

Acq: 01 Aug 2018 05:09

Instrument :

MSVOA_X

ClientSampleId :

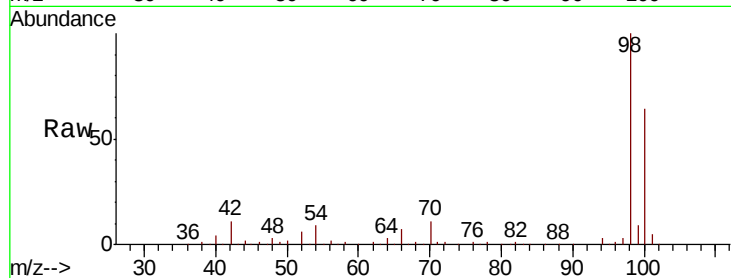
SB-1(11-13)

Tot Ion: 98 Resp: 130202

Ion Ratio Lower Upper

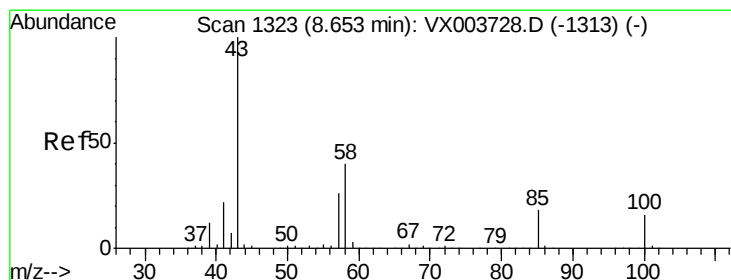
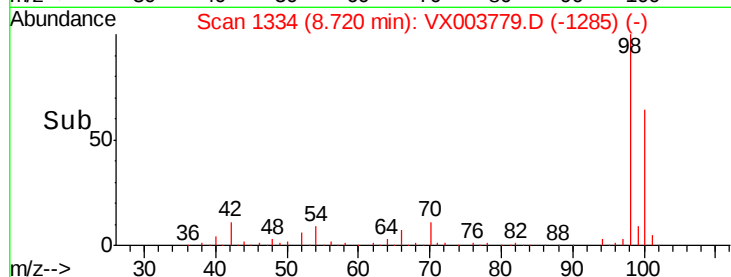
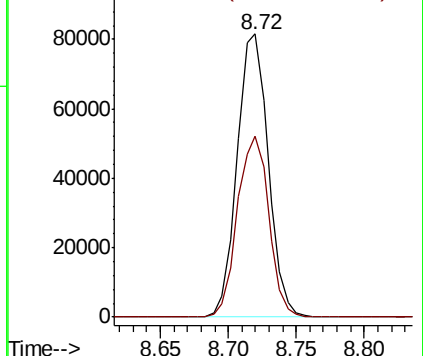
98 100

100 64.5 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 0.40 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VX003779.D

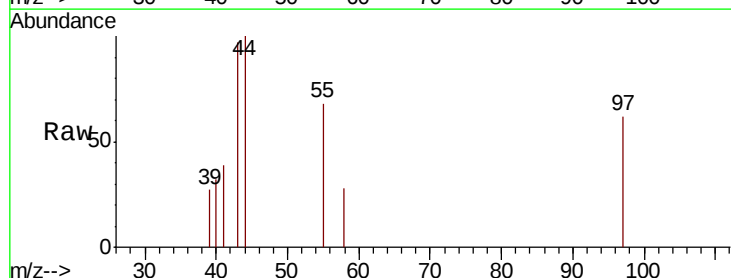
Acq: 01 Aug 2018 05:09

Tgt Ion: 43 Resp: 351

Ion Ratio Lower Upper

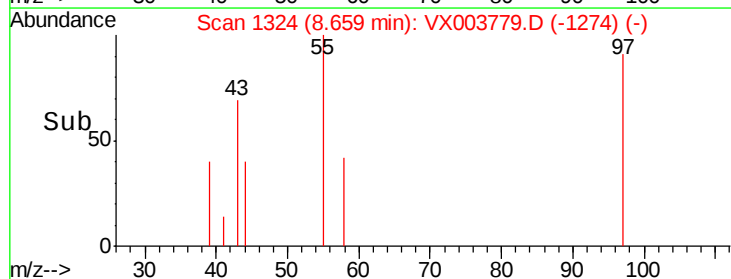
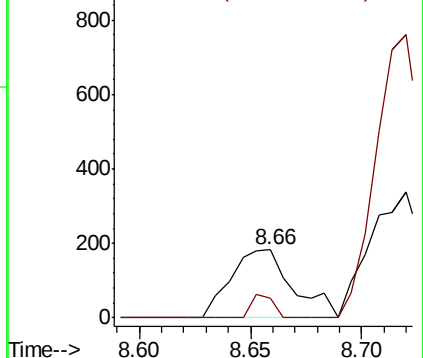
43 100

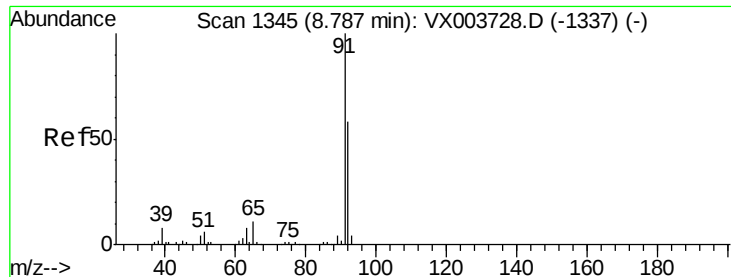
58 12.0 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#52

Toluene

Concen: 0.87 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003779.D

Acq: 01 Aug 2018 05:09

Instrument :

MSVOA_X

ClientSampleId :

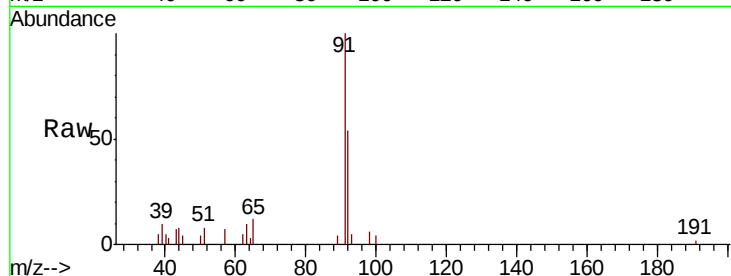
SB-1(11-13)

Tot Ion: 92 Resp: 1822

Ion Ratio Lower Upper

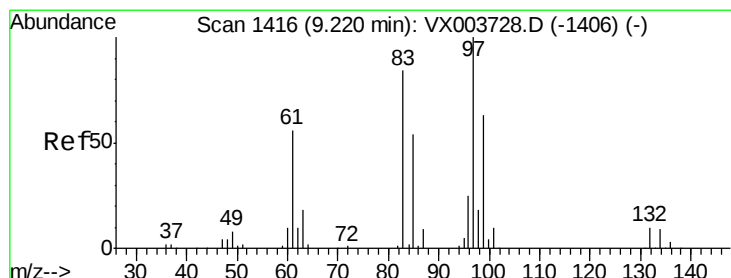
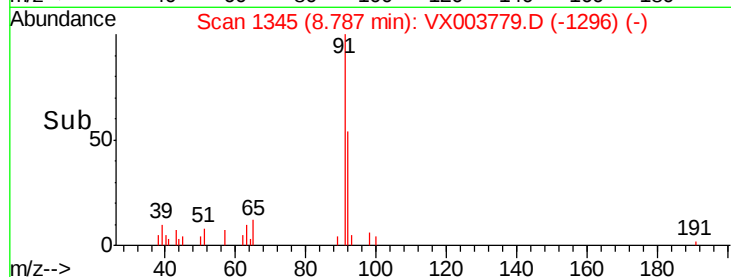
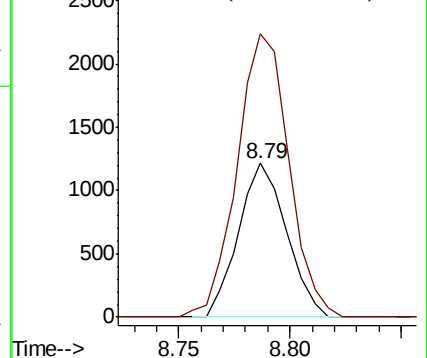
92 100

91 198.6 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#55

1,1,2-Trichloroethane

Concen: 0.37 ug/l

RT: 9.17 min Scan# 1408

Delta R.T. -0.05 min

Lab File: VX003779.D

Acq: 01 Aug 2018 05:09

Tgt Ion: 97 Resp: 271

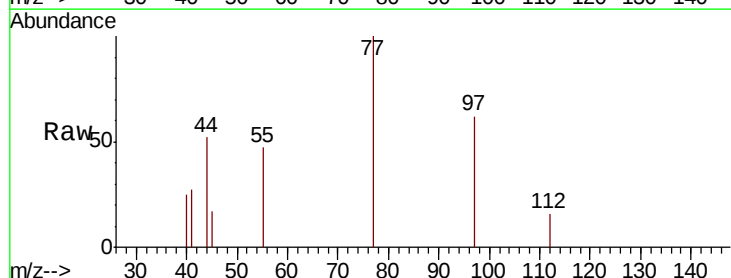
Ion Ratio Lower Upper

97 100

83 0.0 67.4 101.0#

85 0.0 43.3 64.9#

99 0.0 50.8 76.2#

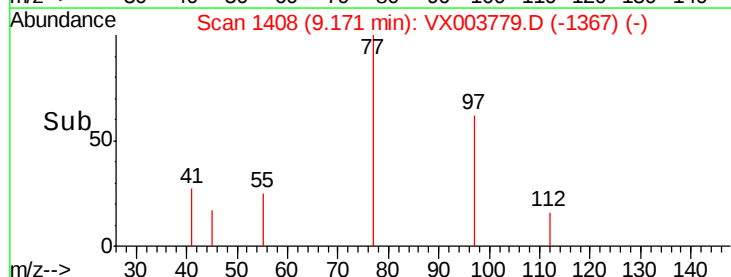
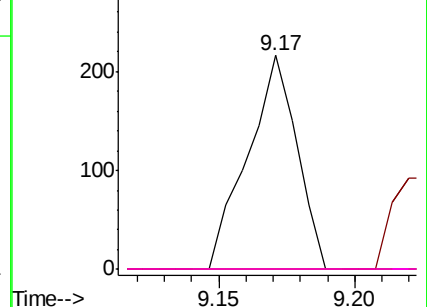


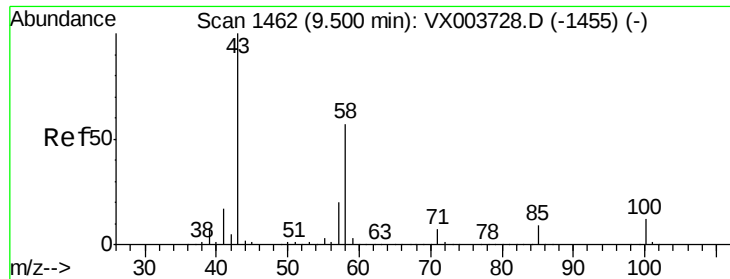
Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

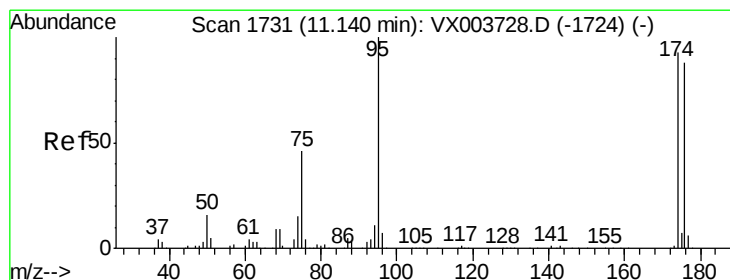
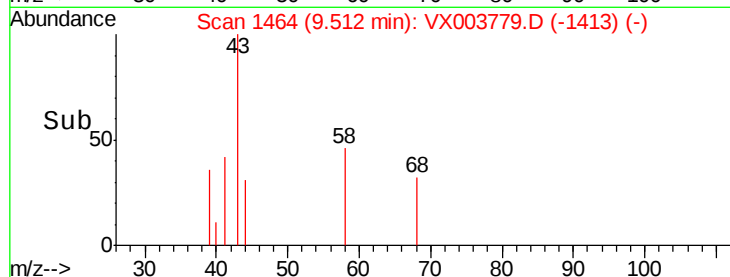
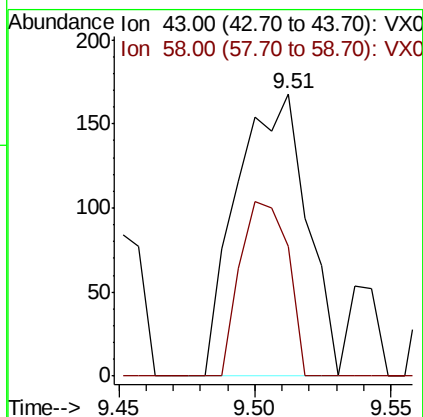
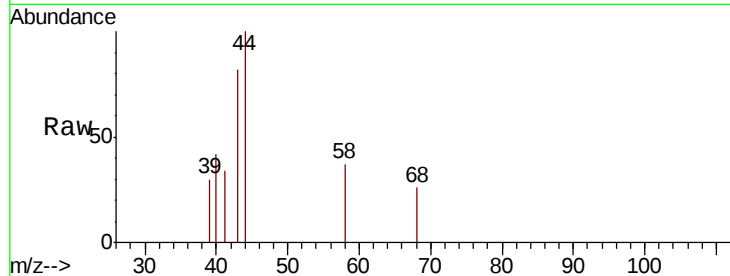




#59
2-Hexanone
Concen: 0.44 ug/l
RT: 9.51 min Scan# 1464
Delta R.T. 0.01 min
Lab File: VX003779.D
Acq: 01 Aug 2018 05:09

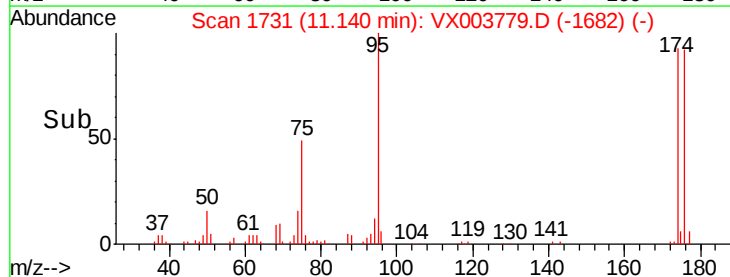
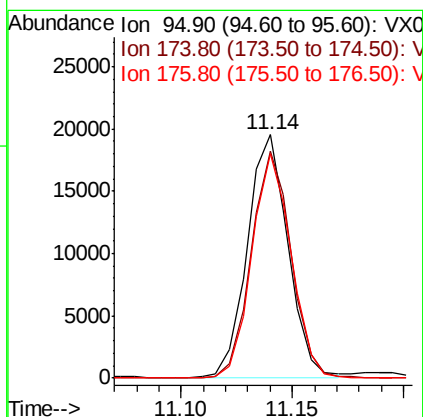
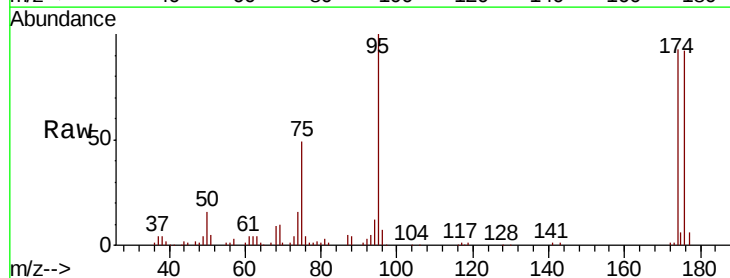
Instrument :
MSVOA_X
ClientSampleId :
SB-1(11-13)

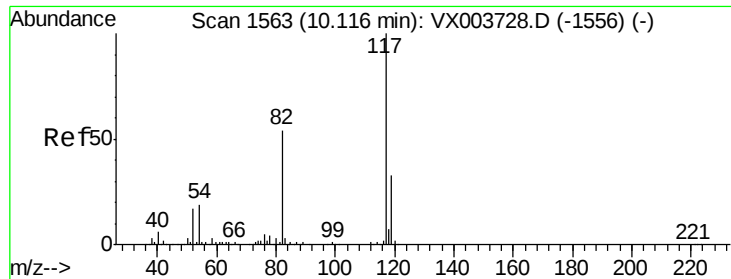
Tot Ion: 43 Resp: 300
Ion Ratio Lower Upper
43 100
58 42.0 28.0 83.9



#62
4-Bromofluorobenzene
Concen: 21.90 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003779.D
Acq: 01 Aug 2018 05:09

Tgt Ion: 95 Resp: 24924
Ion Ratio Lower Upper
95 100
174 91.1 0.0 186.2
176 88.8 0.0 179.2

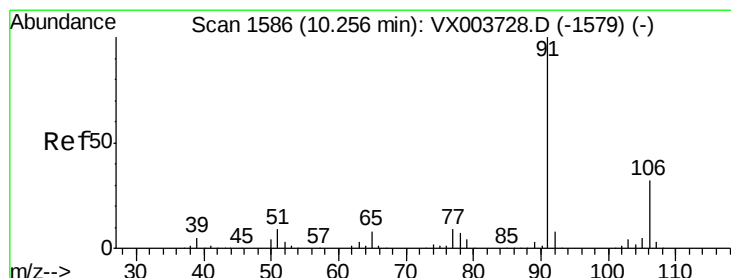
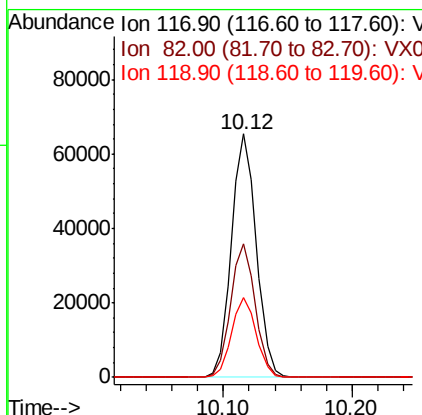
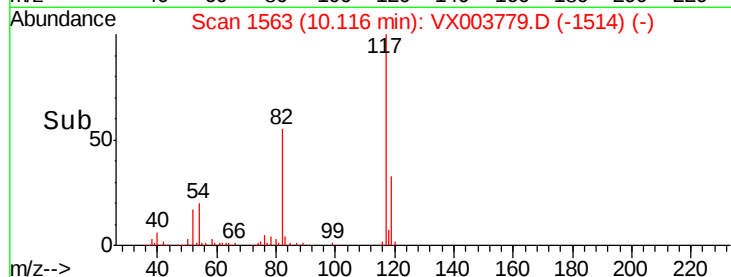
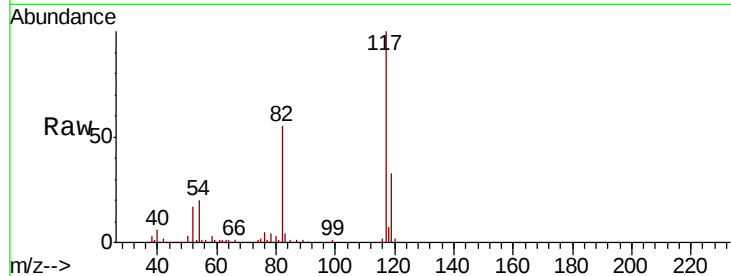




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003779.D
Acq: 01 Aug 2018 05:09

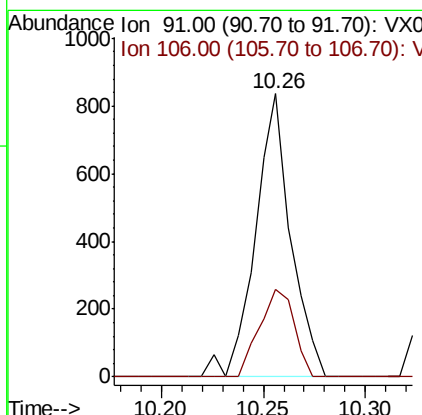
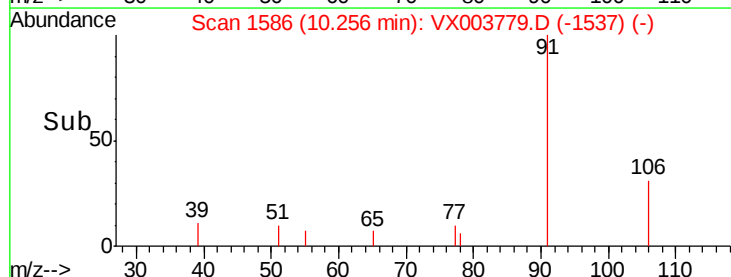
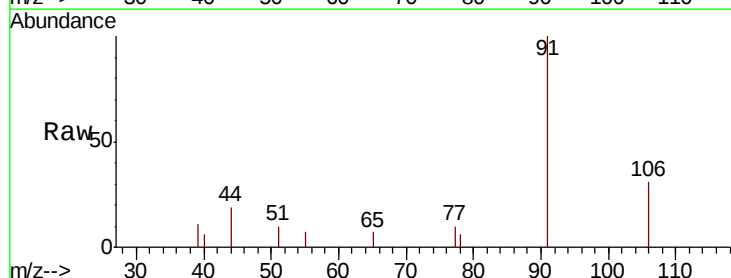
Instrument :
MSVOA_X
ClientSampled :
SB-1(11-13)

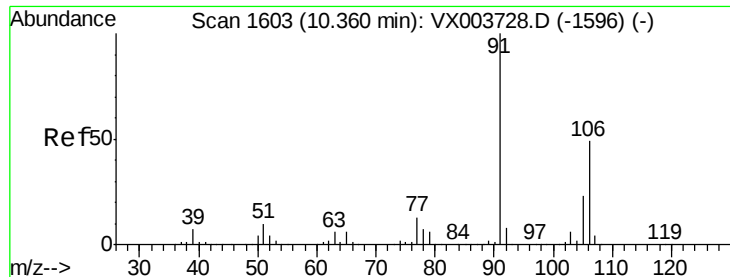
Tot Ion:117 Resp: 88347
Ion Ratio Lower Upper
117 100
82 55.0 43.2 64.8
119 33.0 26.3 39.5



#67
Ethyl Benzene
Concen: 0.32 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003779.D
Acq: 01 Aug 2018 05:09

Tgt Ion: 91 Resp: 1013
Ion Ratio Lower Upper
91 100
106 31.1 25.4 38.2

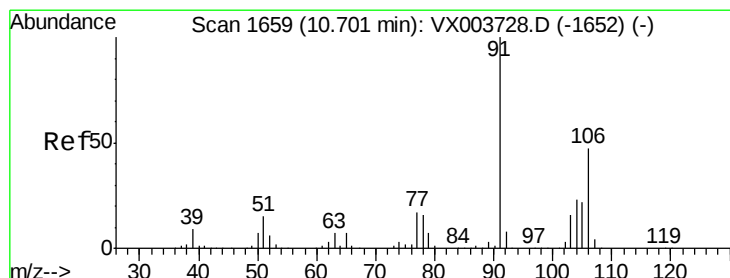
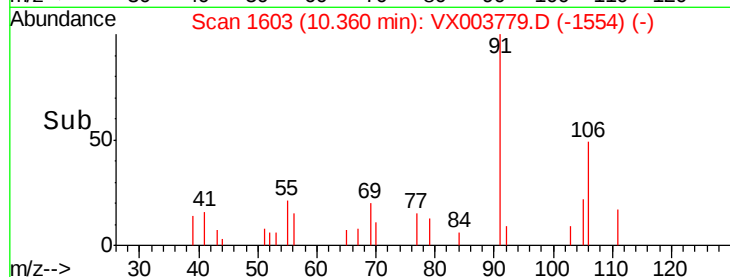
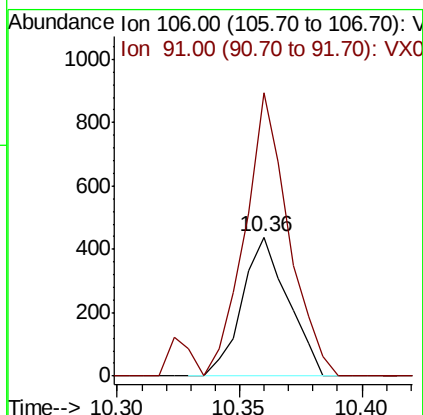
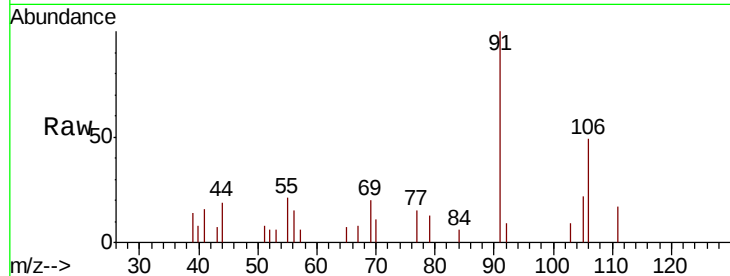




#68
m/p-Xylenes
Concen: 0.47 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003779.D
Acq: 01 Aug 2018 05:09

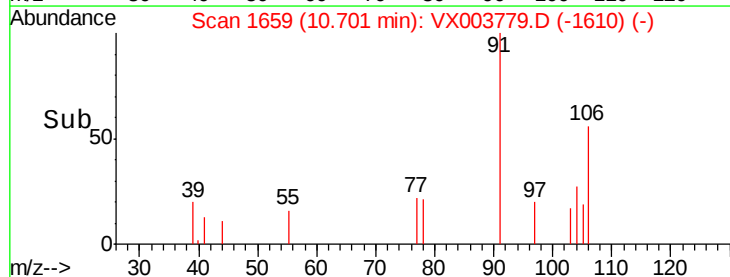
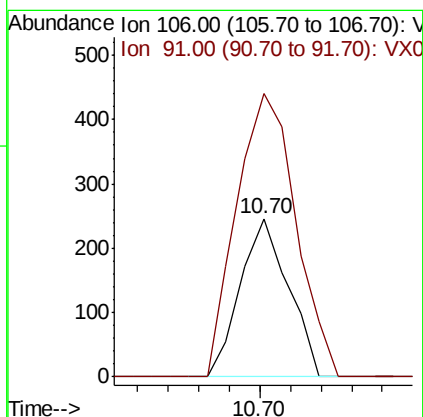
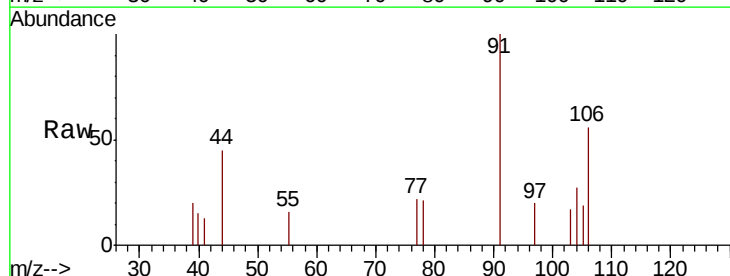
Instrument :
MSVOA_X
ClientSampleId :
SB-1(11-13)

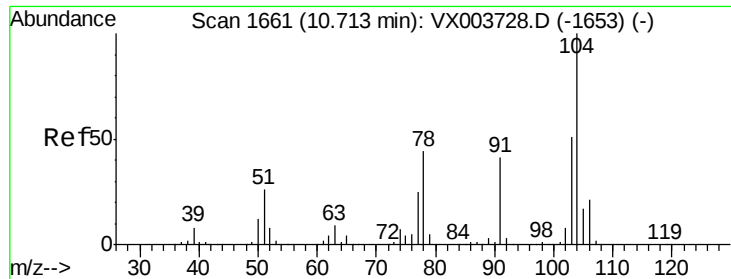
Tot Ion:106 Resp: 570
Ion Ratio Lower Upper
106 100
91 194.2 159.8 239.8



#69
o-Xylene
Concen: 0.24 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003779.D
Acq: 01 Aug 2018 05:09

Tgt Ion:106 Resp: 269
Ion Ratio Lower Upper
106 100
91 219.7 105.6 316.8

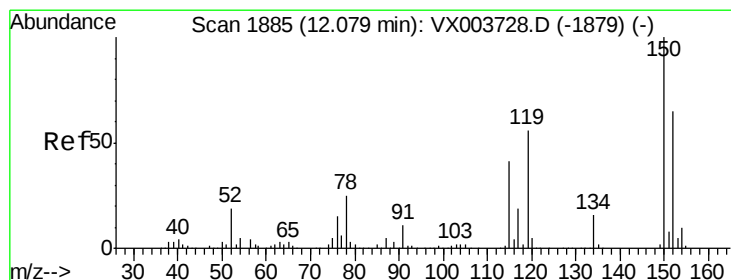
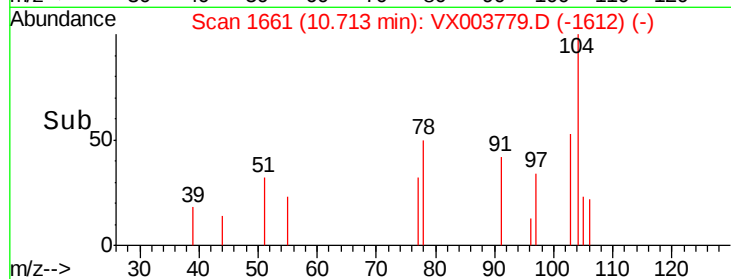
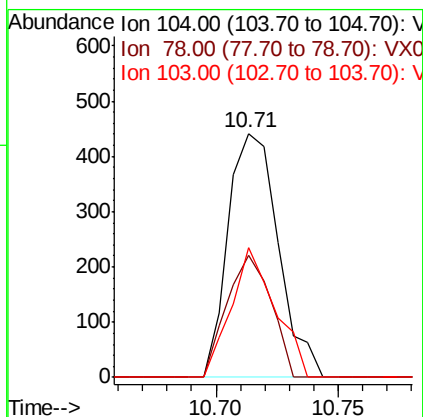
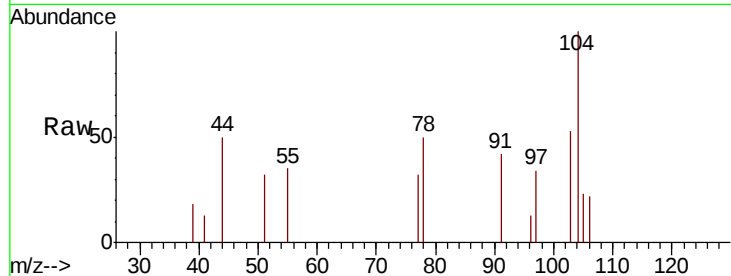




#70
Stvrene
Concen: 0.33 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003779.D
Acq: 01 Aug 2018 05:09

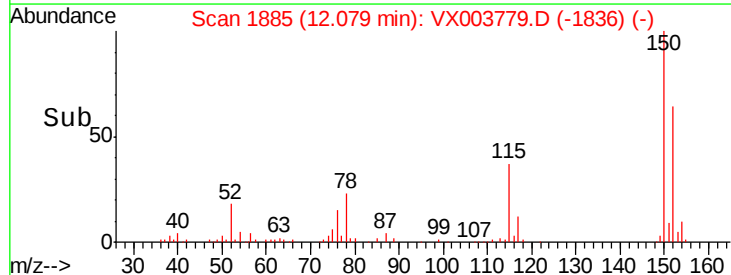
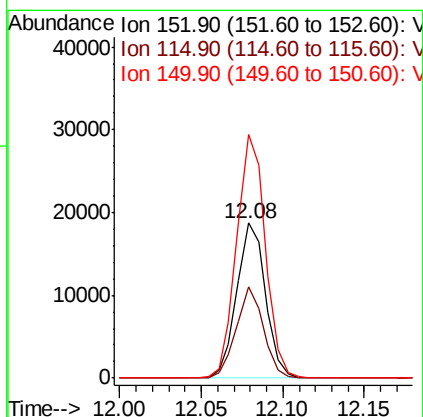
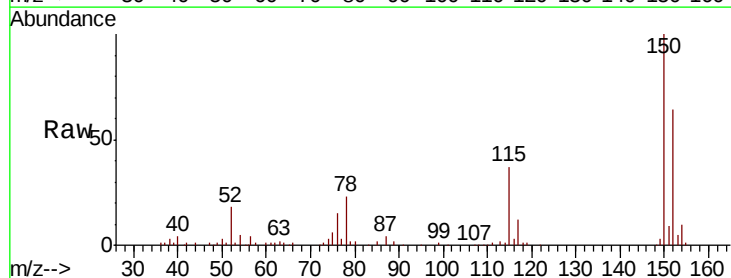
Instrument :
MSVOA_X
ClientSampleId :
SB-1(11-13)

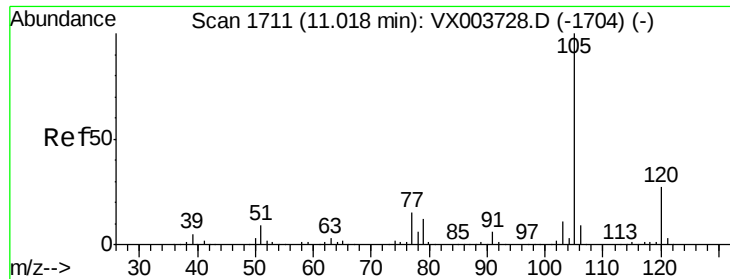
Tot Ion:104 Resp: 631
Ion Ratio Lower Upper
104 100
78 43.9 38.2 57.2
103 46.6 44.5 66.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003779.D
Acq: 01 Aug 2018 05:09

Tgt Ion:152 Resp: 22958
Ion Ratio Lower Upper
152 100
115 55.7 38.5 115.3
150 157.3 0.0 346.2





#73

Isopropylbenzene

Concen: 0.35 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003779.D

Acq: 01 Aug 2018 05:09

Instrument :

MSVOA_X

ClientSampleId :

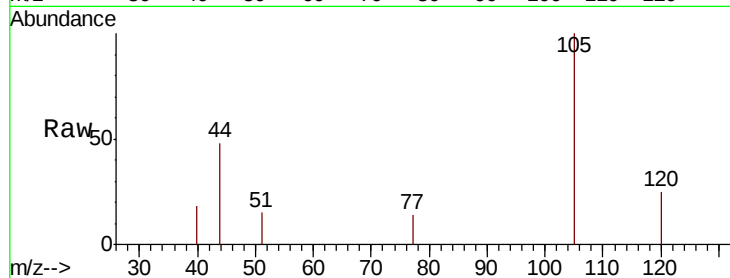
SB-1(11-13)

Tot Ion: 105 Resp: 510

Ion Ratio Lower Upper

105 100

120 20.4 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

400

300

200

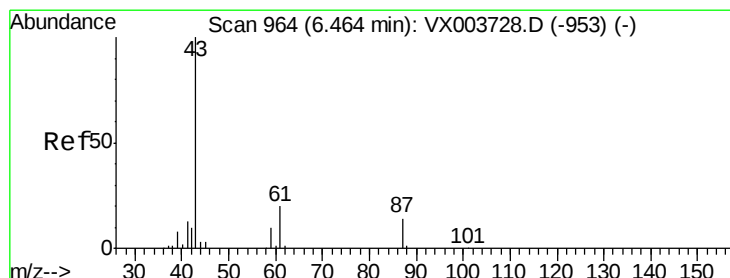
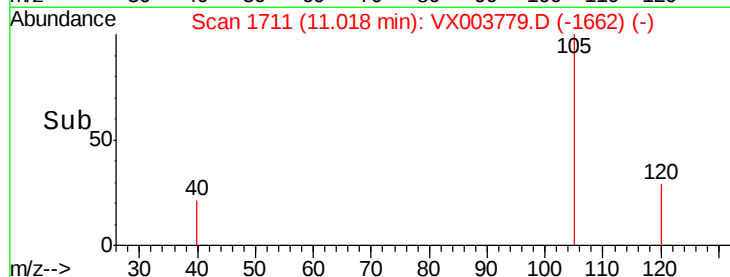
100

0

Time-->

11.00

11.05



#74

N-ethyl acetate

Concen: 0.78 ug/l

RT: 6.30 min Scan# 937

Delta R.T. -0.16 min

Lab File: VX003779.D

Acq: 01 Aug 2018 05:09

Tgt Ion: 43 Resp: 399

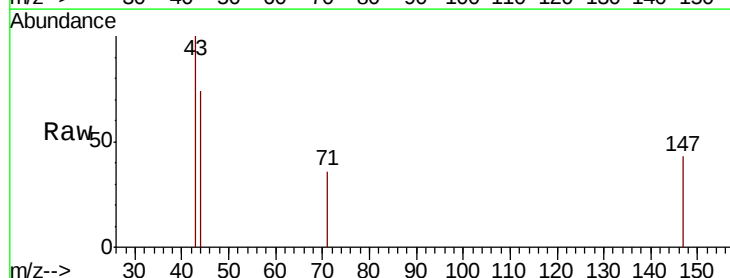
Ion Ratio Lower Upper

43 100

70 42.4 31.0 46.6

55 0.0 18.9 28.3#

61 0.0 17.8 26.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

6.30

250

200

150

100

50

0

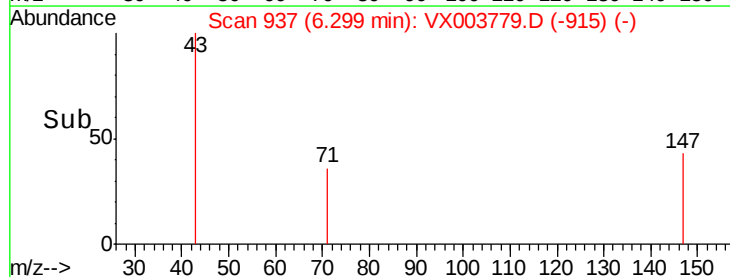
Time-->

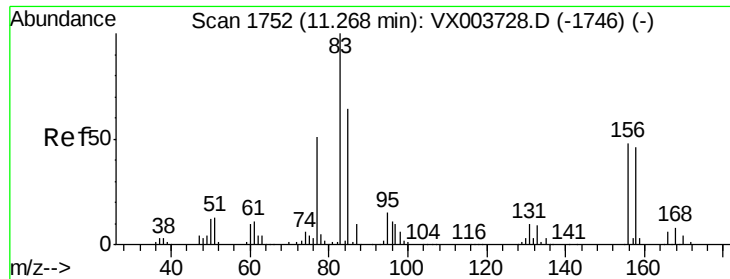
6.20

6.25

6.30

6.35





#75

1,1,2,2-Tetrachloroethane

Concen: 0.40 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VX003779.D

Acq: 01 Aug 2018 05:09

Instrument :

MSVOA_X

ClientSampled :

SB-1(11-13)

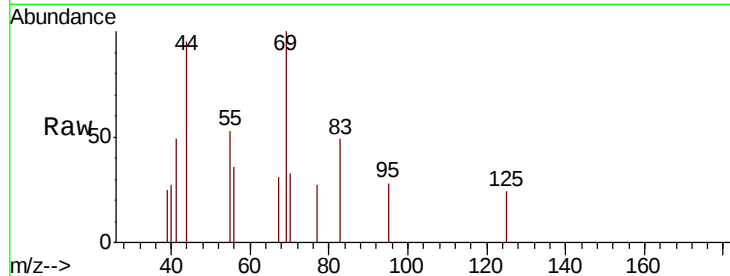
Tot Ion: 83 Resp: 151

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

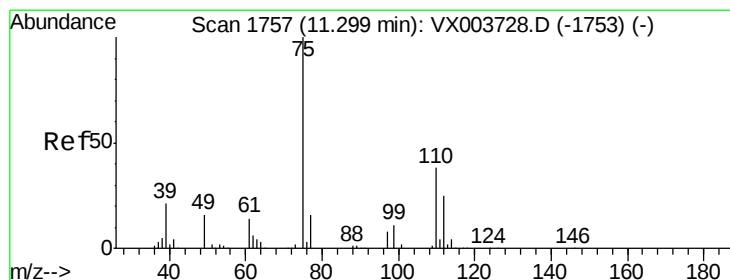
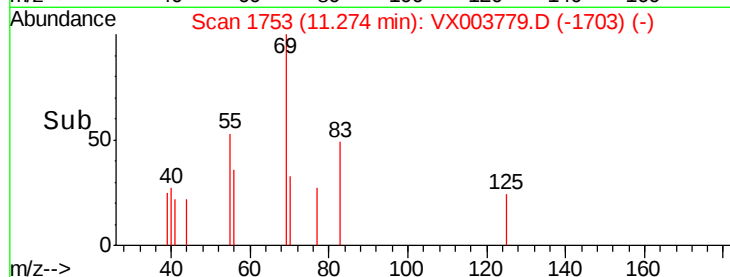
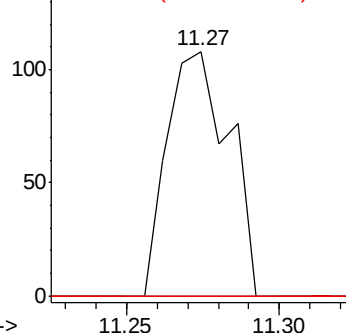
85 0.0 32.0 96.2#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 37.74 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003779.D

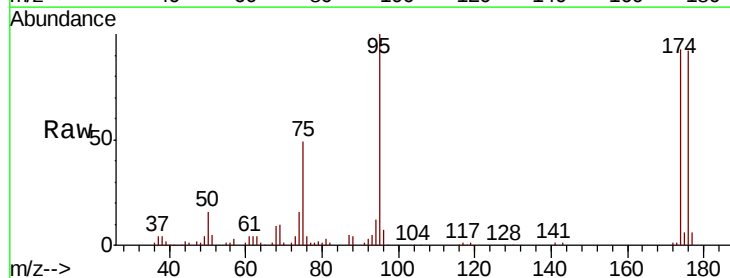
Acq: 01 Aug 2018 05:09

Tgt Ion: 75 Resp: 11942

Ion Ratio Lower Upper

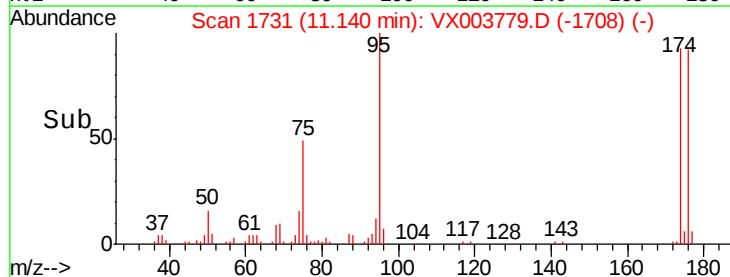
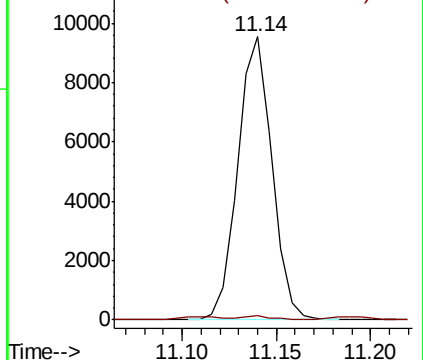
75 100

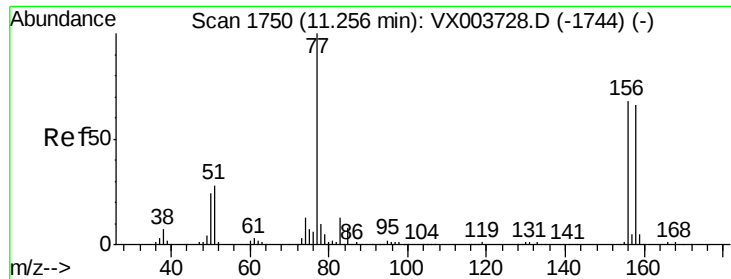
77 1.5 21.6 65.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 0.44 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.01 min

Lab File: VX003779.D

Acq: 01 Aug 2018 05:09

Instrument :

MSVOA_X

ClientSampleId :

SB-1(11-13)

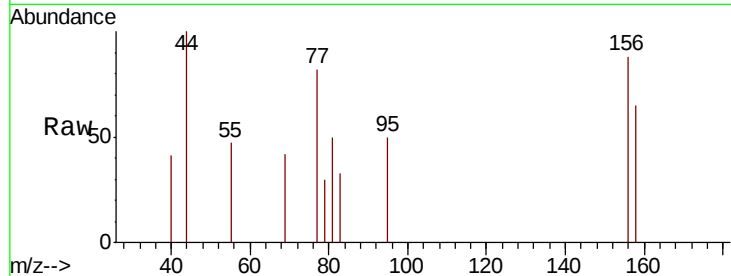
Tot Ion:156 Resp: 165

Ion Ratio Lower Upper

156 100

77 215.2 71.8 215.3

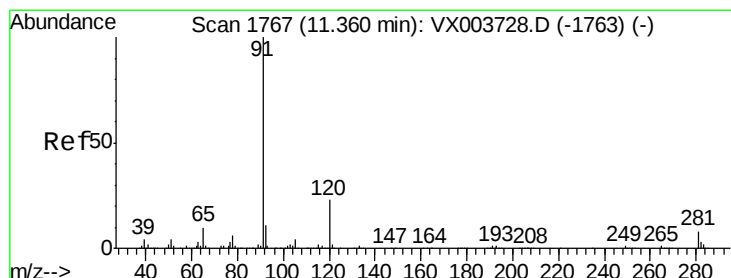
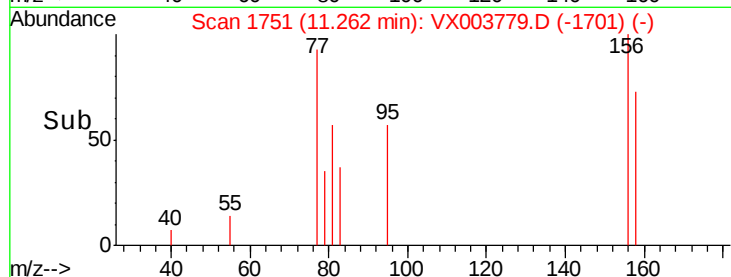
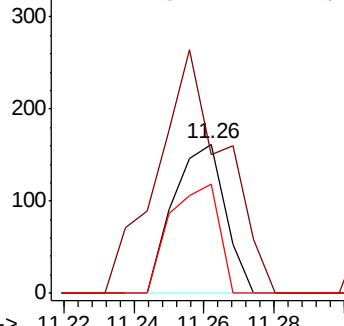
158 69.1 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.36 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003779.D

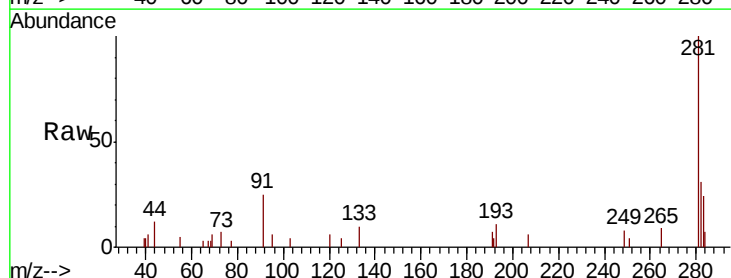
Acq: 01 Aug 2018 05:09

Tgt Ion: 91 Resp: 625

Ion Ratio Lower Upper

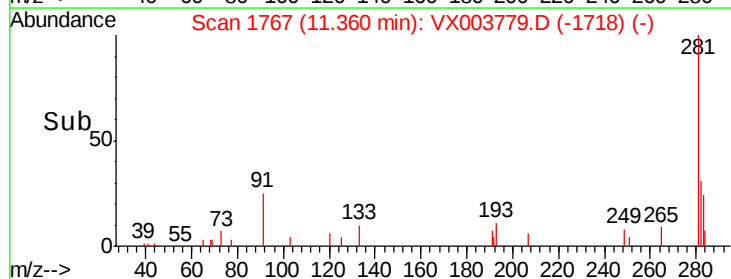
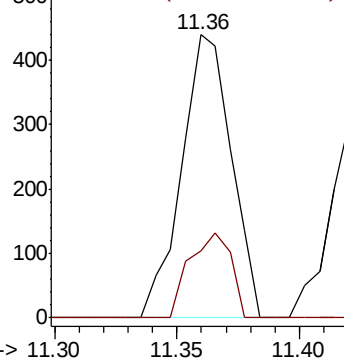
91 100

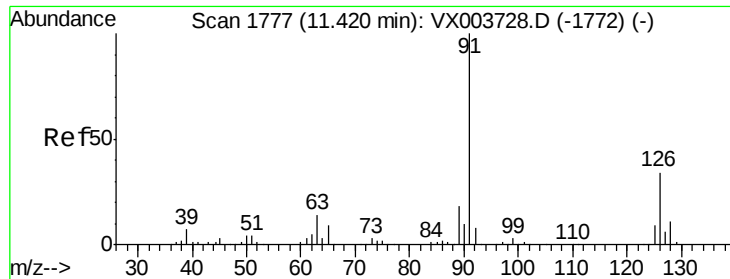
120 25.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.51 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.01 min

Lab File: VX003779.D

Acq: 01 Aug 2018 05:09

Instrument :

MSVOA_X

ClientSampled :

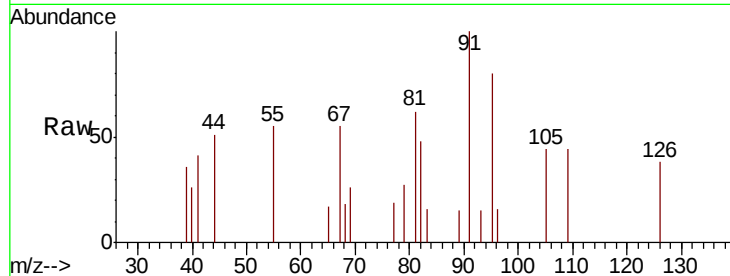
SB-1(11-13)

Tot Ion: 91 Resp: 502

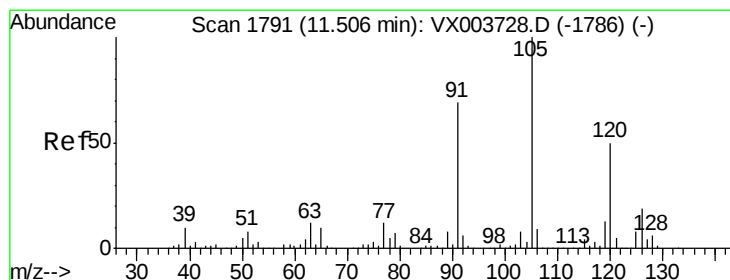
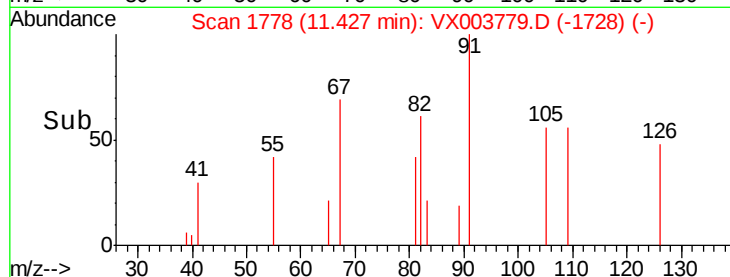
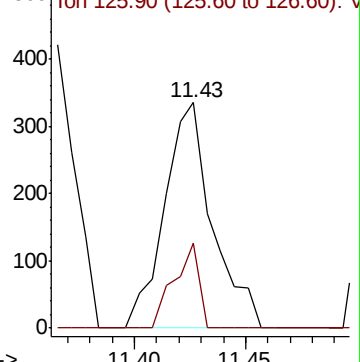
Ion Ratio Lower Upper

91 100

126 19.5 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VX003728.D (-1772) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.44 ug/l

RT: 11.44 min Scan# 1780

Delta R.T. -0.07 min

Lab File: VX003779.D

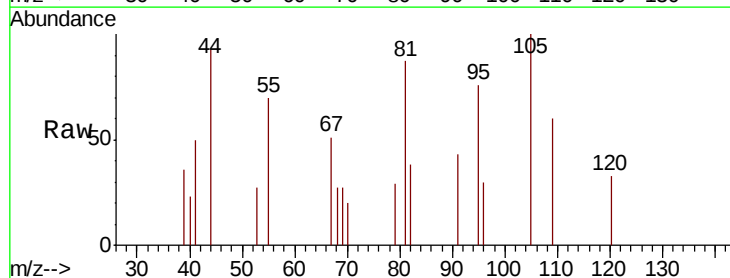
Acq: 01 Aug 2018 05:09

Tgt Ion: 105 Resp: 537

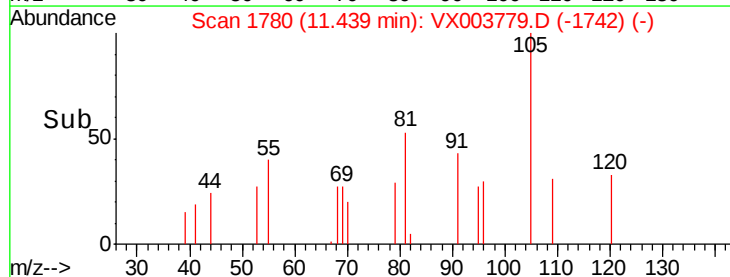
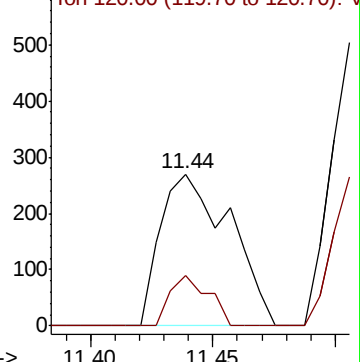
Ion Ratio Lower Upper

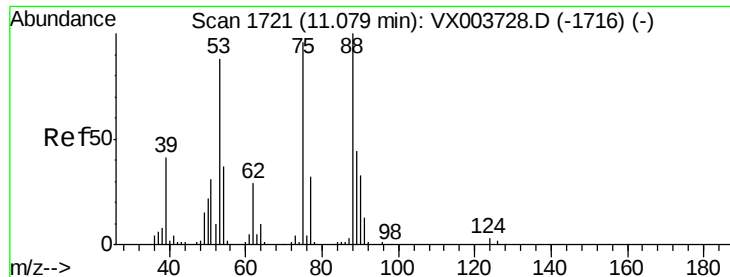
105 100

120 18.2 15.8 47.4



Abundance Ion 105.00 (104.70 to 105.70): VX003728.D (-1786) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 111.78 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003779.D

Acq: 01 Aug 2018 05:09

Instrument :

MSVOA_X

ClientSampled :

SB-1(11-13)

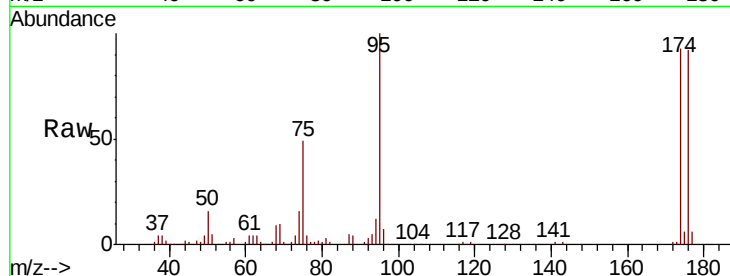
Tot Ion: 75 Resp: 11942

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.8#

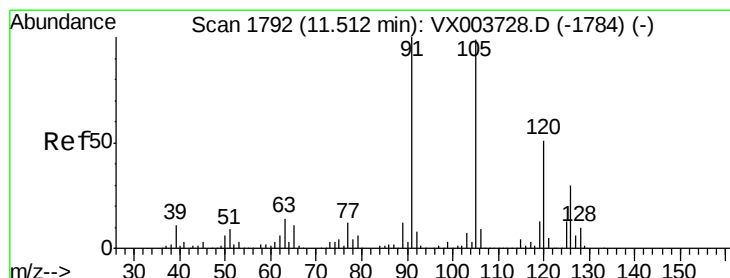
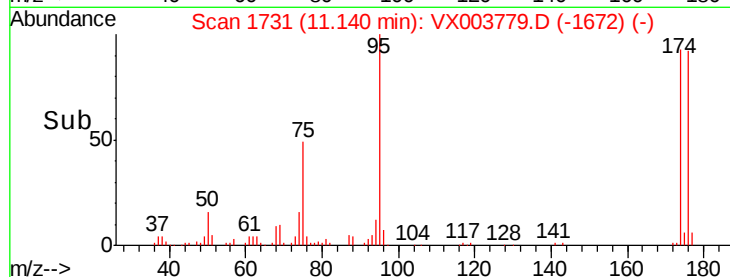
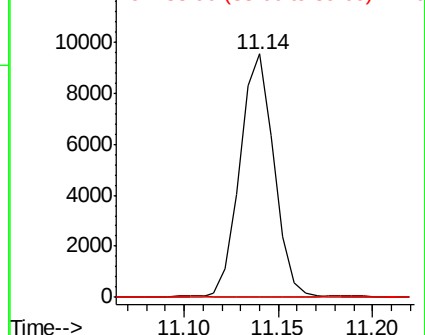
89 0.0 39.1 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 0.45 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003779.D

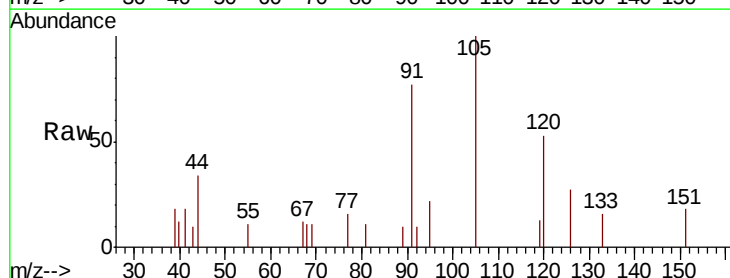
Acq: 01 Aug 2018 05:09

Tgt Ion: 91 Resp: 536

Ion Ratio Lower Upper

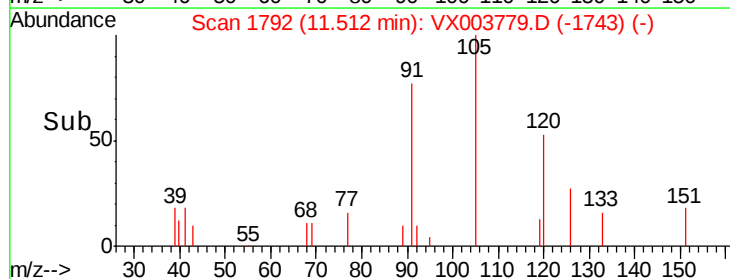
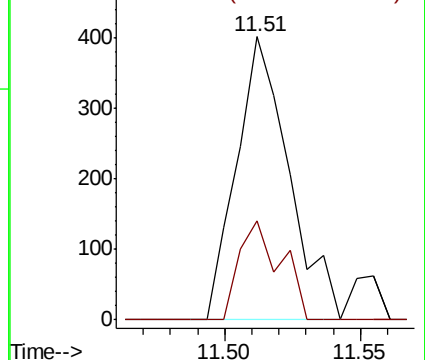
91 100

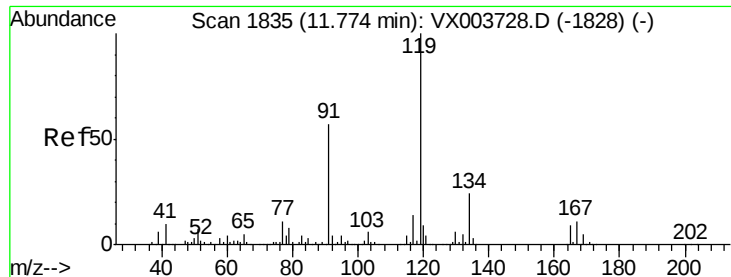
126 27.8 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

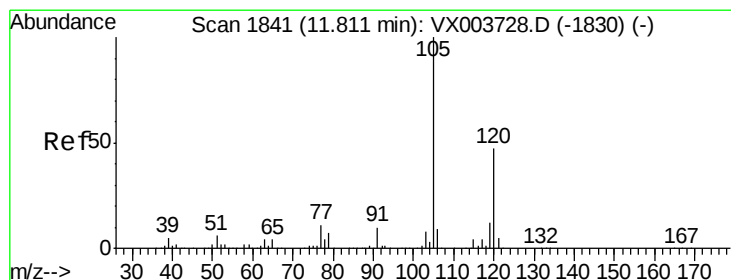
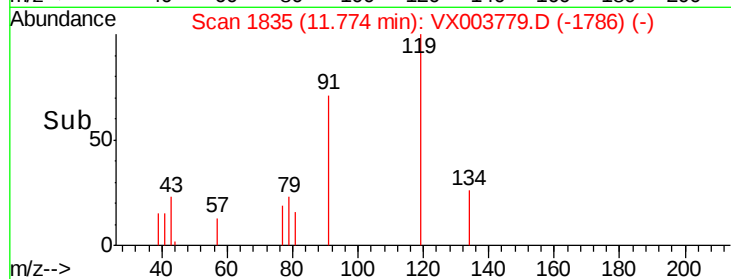
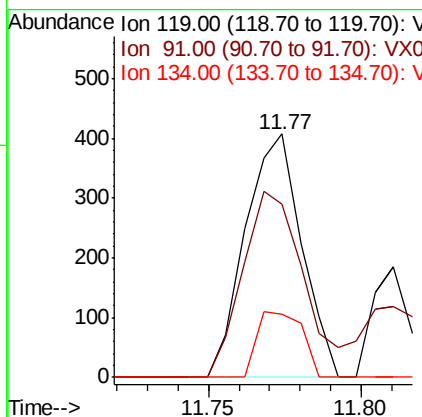
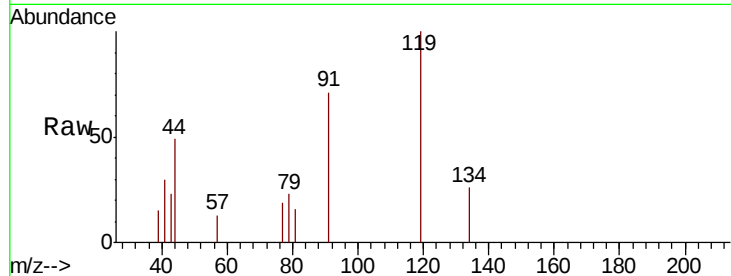




#83
tert-Butylbenzene
Concen: 0.43 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003779.D
Acq: 01 Aug 2018 05:09

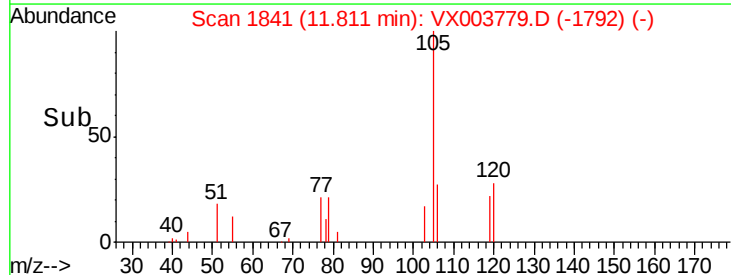
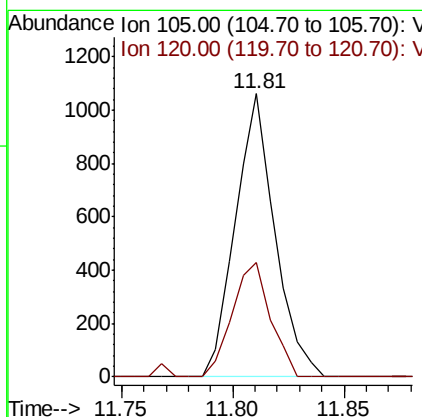
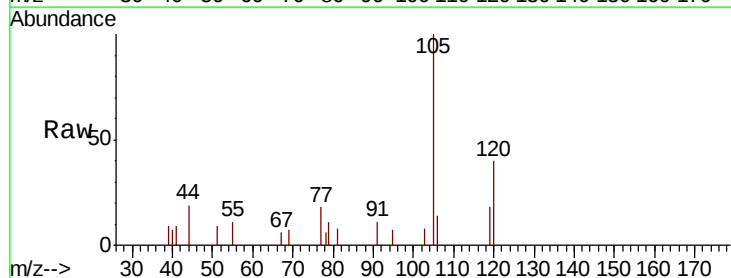
Instrument :
MSVOA_X
ClientSampled :
SB-1(11-13)

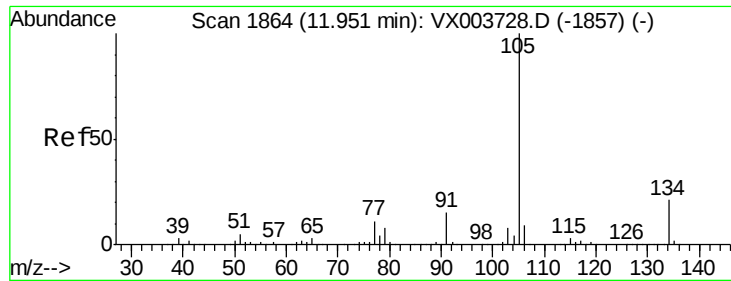
Tot Ion:119 Resp: 520
Ion Ratio Lower Upper
119 100
91 82.9 27.2 81.6#
134 21.5 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 1.03 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003779.D
Acq: 01 Aug 2018 05:09

Tgt Ion:105 Resp: 1305
Ion Ratio Lower Upper
105 100
120 39.2 23.1 69.2





#85

sec-Butylbenzene

Concen: 0.34 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003779.D

Acq: 01 Aug 2018 05:09

Instrument :

MSVOA_X

ClientSampleId :

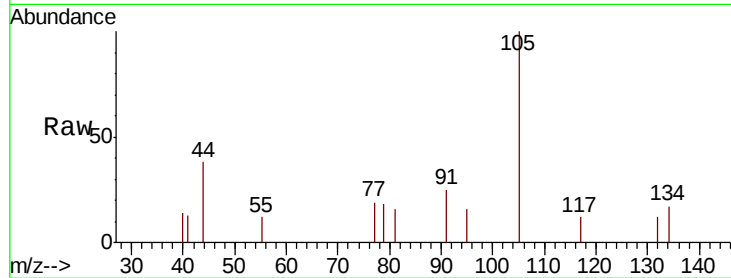
SB-1(11-13)

Tot Ion:105 Resp: 529

Ion Ratio Lower Upper

105 100

134 15.5 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

400

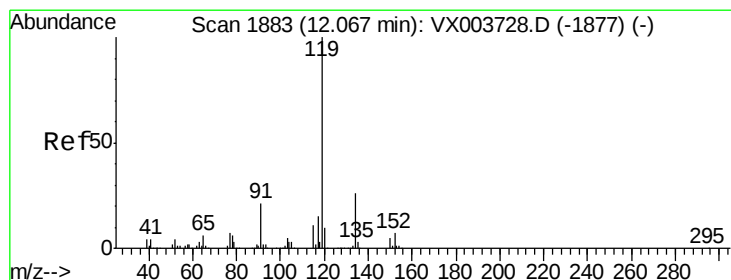
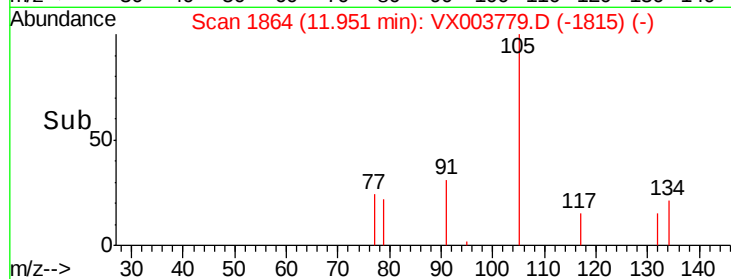
300

200

100

0

Time--> 11.90 11.95



#86

p-Isopropyltoluene

Concen: 0.40 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003779.D

Acq: 01 Aug 2018 05:09

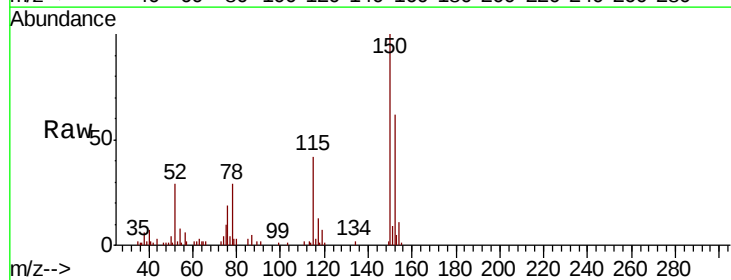
Tgt Ion:119 Resp: 562

Ion Ratio Lower Upper

119 100

134 26.5 10.1 30.1

91 48.0 23.6 70.8



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

600

500

400

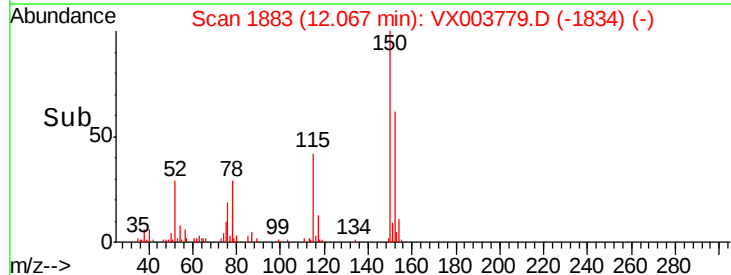
300

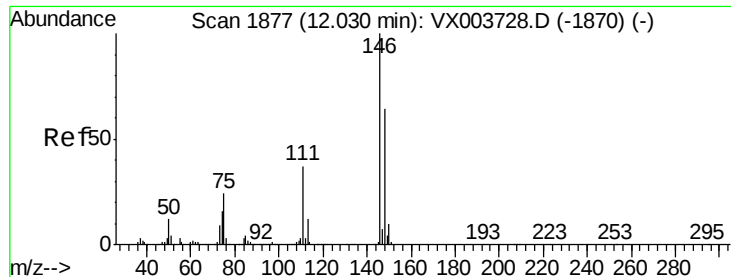
200

100

0

Time--> 12.05 12.10

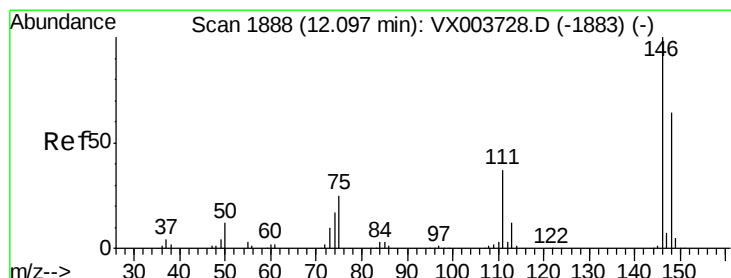
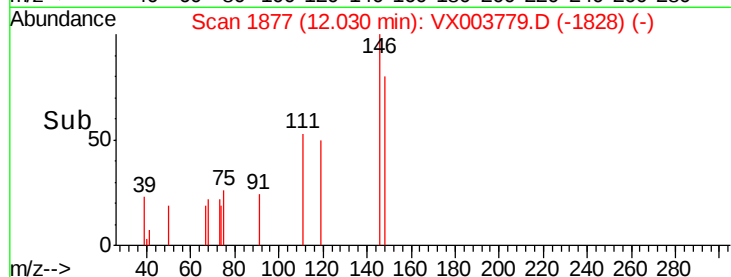
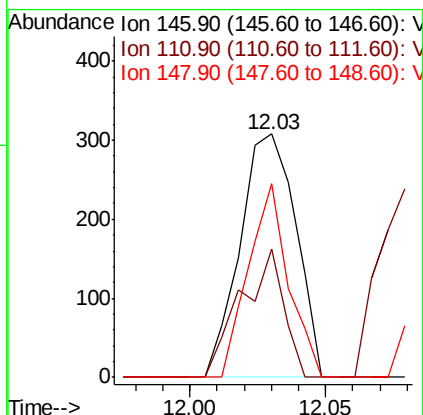
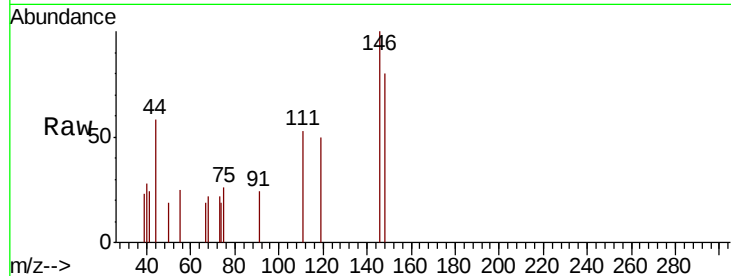




#87
 1,3-Dichlorobenzene
 Concen: 0.58 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003779.D
 Acq: 01 Aug 2018 05:09

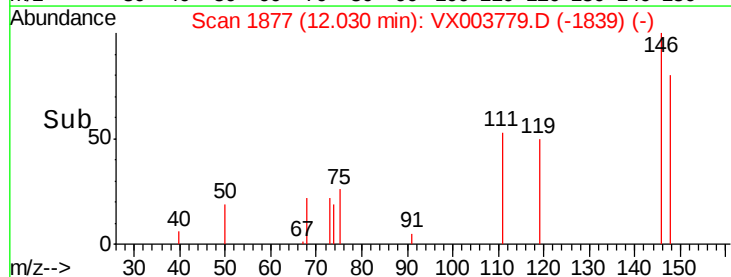
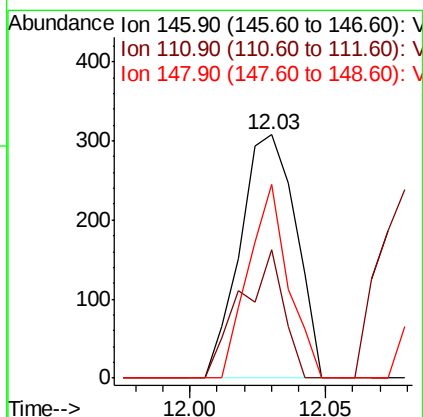
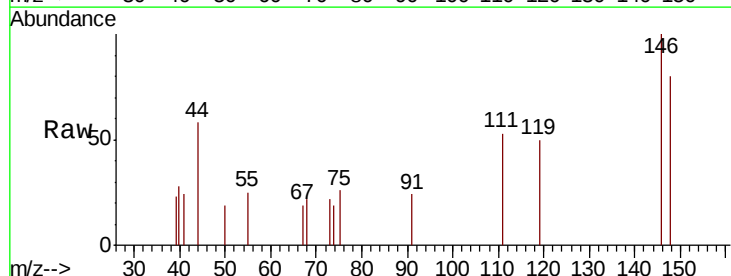
Instrument :
 MSVOA_X
 ClientSampled :
 SB-1(11-13)

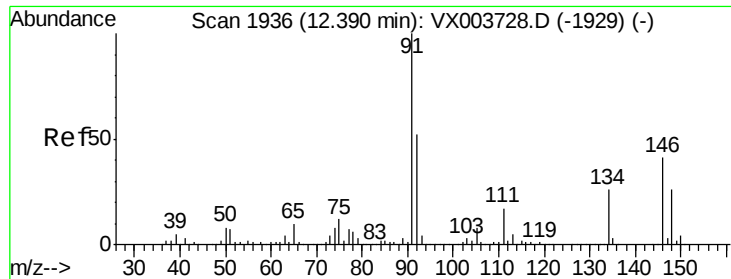
Tot Ion:146 Resp: 438
 Ion Ratio Lower Upper
 146 100
 111 40.4 18.8 56.3
 148 57.1 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 0.57 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.07 min
 Lab File: VX003779.D
 Acq: 01 Aug 2018 05:09

Tgt Ion:146 Resp: 438
 Ion Ratio Lower Upper
 146 100
 111 40.4 18.3 54.9
 148 57.1 32.0 96.2

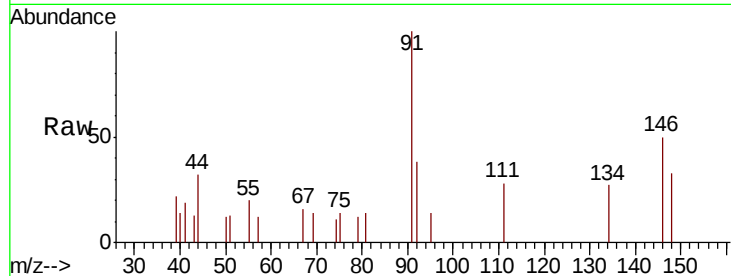




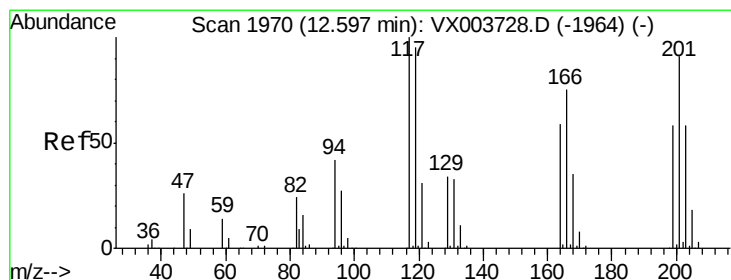
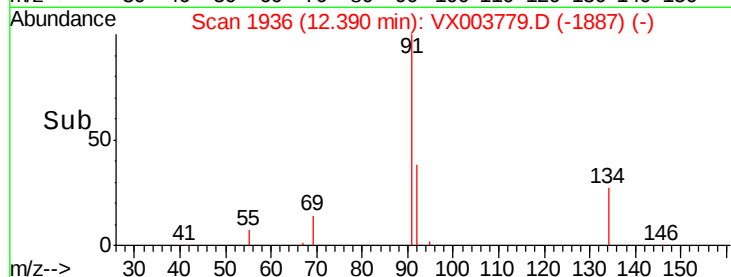
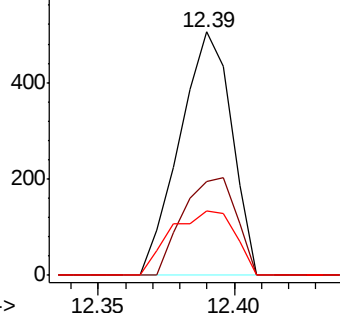
#89
n-Butylbenzene
Concen: 0.50 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003779.D
Acq: 01 Aug 2018 05:09

Instrument :
MSVOA_X
ClientSampled :
SB-1(11-13)

Tot Ion: 91 Resp: 669
Ion Ratio Lower Upper
91 100
92 41.3 26.2 78.5
134 32.7 13.6 40.7

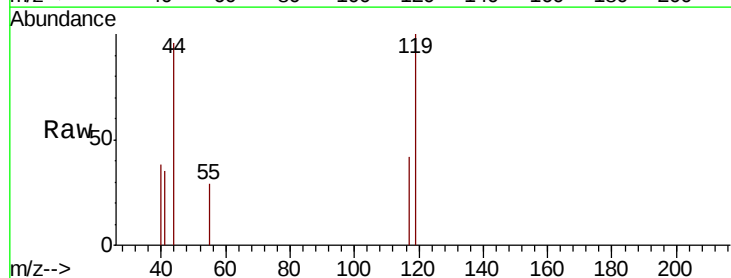


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V

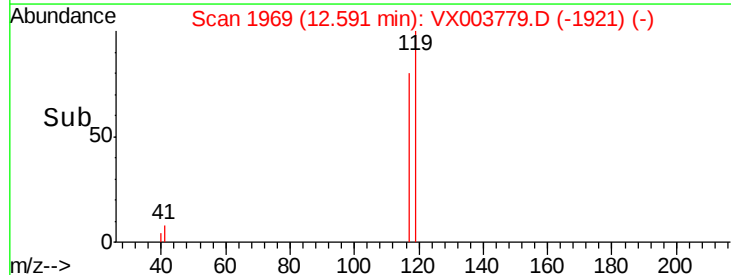
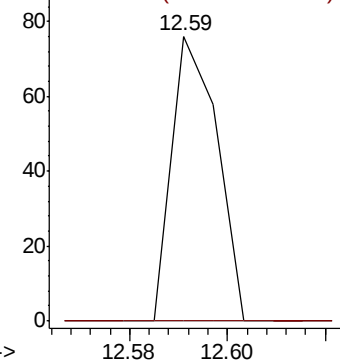


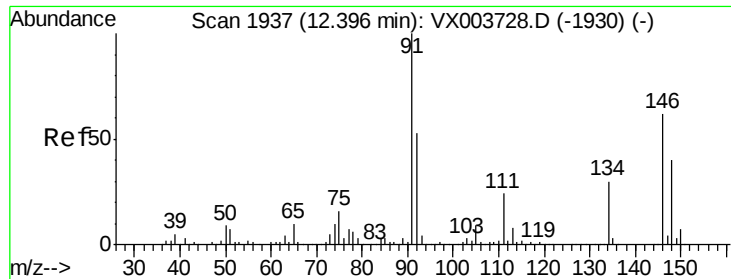
#90
Hexachloroethane
Concen: 0.23 ug/l
RT: 12.59 min Scan# 1969
Delta R.T. -0.01 min
Lab File: VX003779.D
Acq: 01 Aug 2018 05:09

Tgt Ion: 117 Resp: 49
Ion Ratio Lower Upper
117 100
201 0.0 49.3 147.8#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

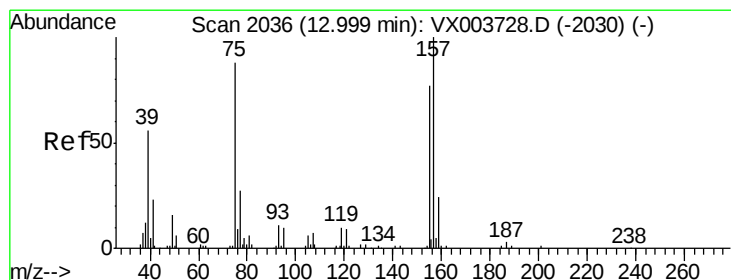
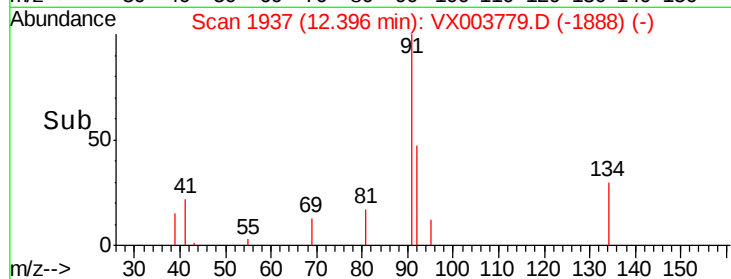
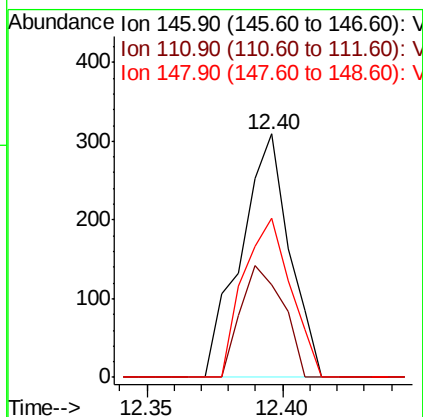
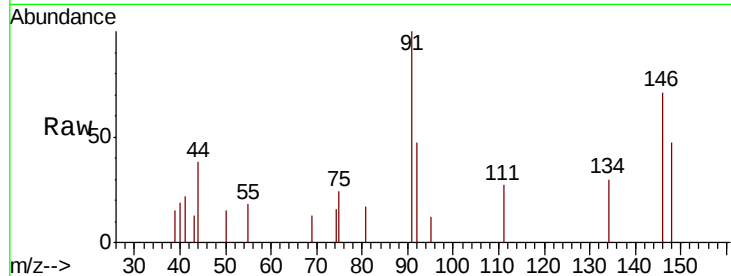




#91
 1,2-Dichlorobenzene
 Concen: 0.54 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003779.D
 Acq: 01 Aug 2018 05:09

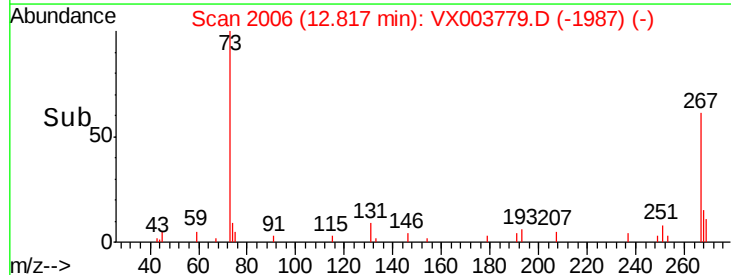
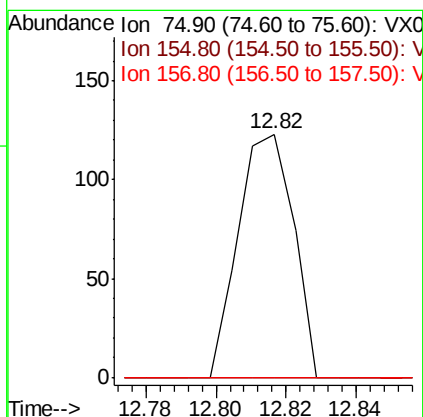
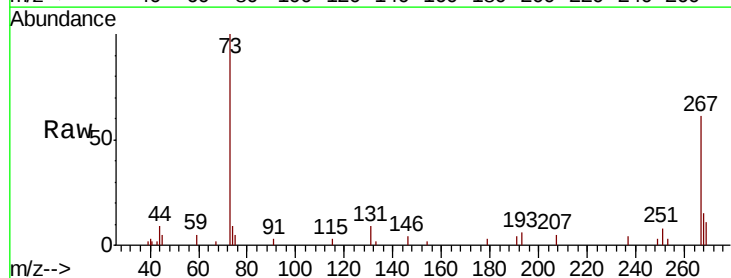
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-1(11-13)

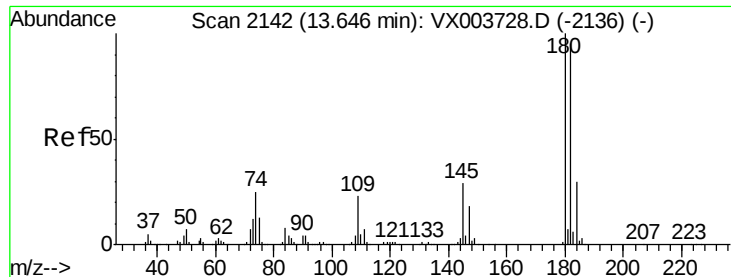
Tot Ion:146 Resp: 384
 Ion Ratio Lower Upper
 146 100
 111 40.1 19.4 58.4
 148 63.8 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.82 ug/l
 RT: 12.82 min Scan# 2006
 Delta R.T. -0.18 min
 Lab File: VX003779.D
 Acq: 01 Aug 2018 05:09

Tgt Ion: 75 Resp: 135
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.9 146.7#
 157 0.0 63.7 191.1#

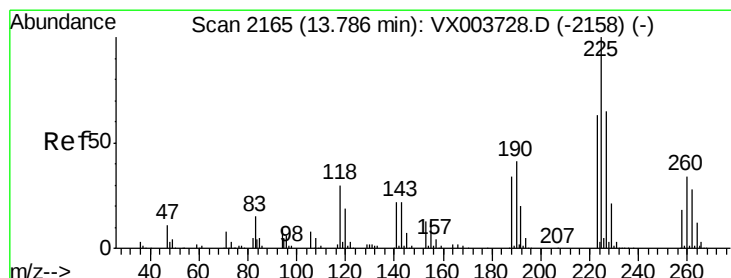
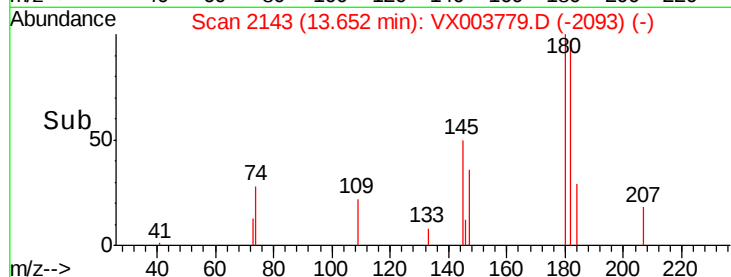
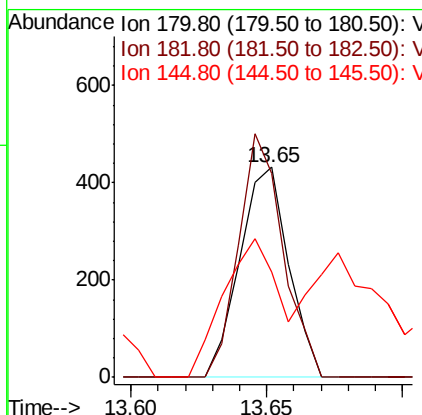
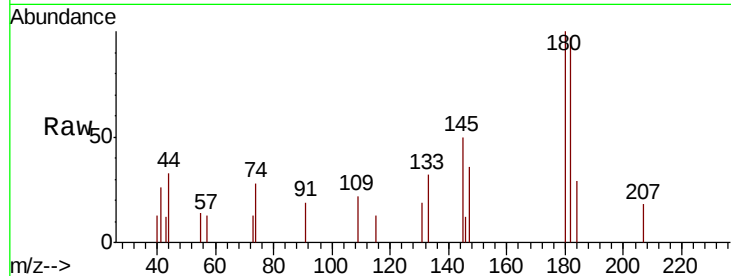




#93
 1,2,4-Trichlorobenzene
 Concen: 0.96 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VX003779.D
 Acq: 01 Aug 2018 05:09

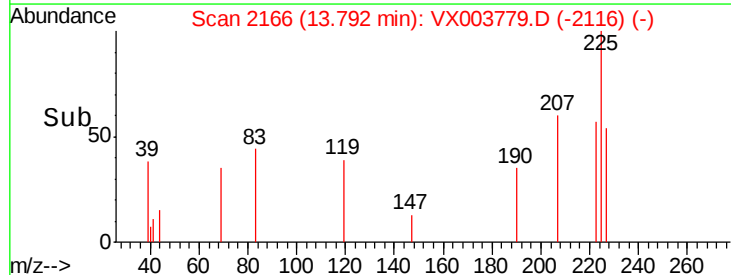
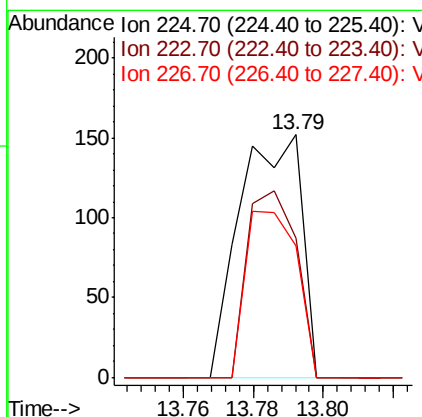
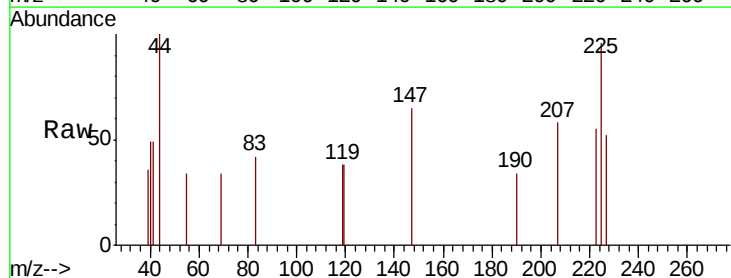
Instrument :
 MSVOA_X
 ClientSampled :
 SB-1(11-13)

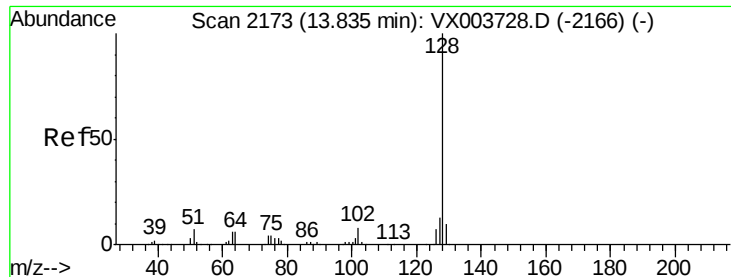
Tot Ion:180 Resp: 537
 Ion Ratio Lower Upper
 180 100
 182 105.2 47.6 142.9
 145 74.3 14.1 42.2#



#94
 Hexachlorobutadiene
 Concen: 0.52 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.01 min
 Lab File: VX003779.D
 Acq: 01 Aug 2018 05:09

Tgt Ion:225 Resp: 187
 Ion Ratio Lower Upper
 225 100
 223 61.5 31.1 93.5
 227 56.7 31.9 95.9

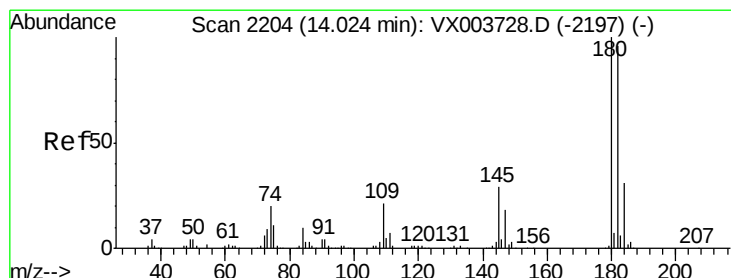
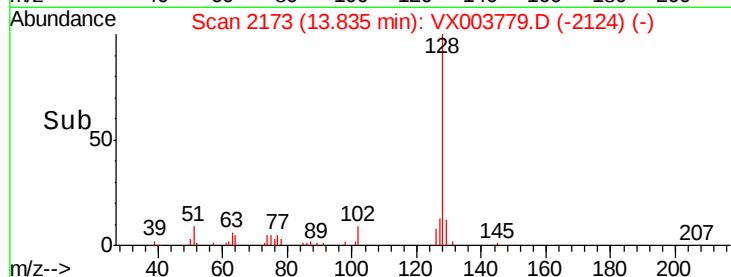
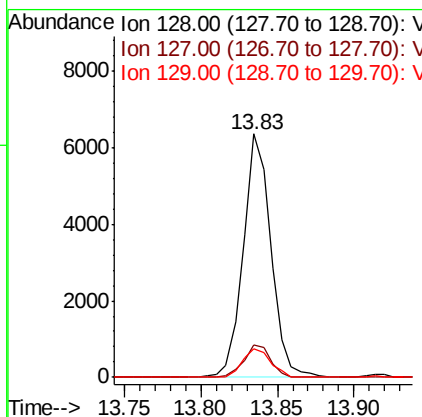
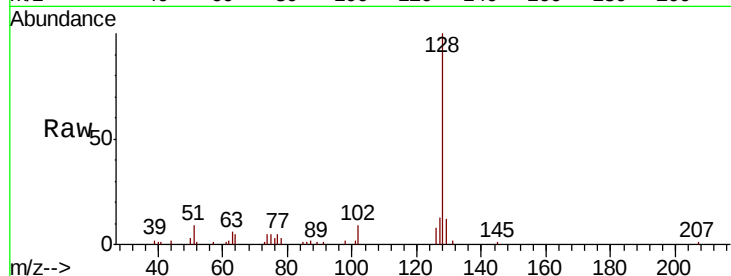




#95
Naphthalene
Concen: 6.68 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003779.D
Acq: 01 Aug 2018 05:09

Instrument :
MSVOA_X
ClientSampleId :
SB-1(11-13)

Tot Ion:128 Resp: 7997
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 11.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.28 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003779.D
Acq: 01 Aug 2018 05:09

Tgt Ion:180 Resp: 650
Ion Ratio Lower Upper
180 100
182 92.9 47.9 143.8
145 103.7 14.7 44.1#

