

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081318\
 Data File : VX004000.D
 Acq On : 13 Aug 2018 15:15
 Operator : JC/MD
 Sample : J4429-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0540

Quant Time: Aug 14 03:08:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 13 01:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	312584	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	516048	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	472874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	287050	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	218746	52.79	ug/l	0.00
Spiked Amount			Recovery	=	105.58%	
35) Dibromofluoromethane	5.51	113	183090	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	
50) Toluene-d8	8.72	98	744696	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
62) 4-Bromofluorobenzene	11.14	95	259813	52.81	ug/l	0.00
Spiked Amount			Recovery	=	105.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	3131	0.73	ug/l	99
5) Bromomethane	1.65	94	1165	0.43	ug/l	94
10) Methyl Iodide	2.52	142	895	0.20	ug/l #	91
11) Tert butyl alcohol	3.04	59	389	0.39	ug/l #	73
13) Acrolein	2.40	56	84184	153.39	ug/l #	73
14) Allyl chloride	2.85	41	251133	38.83	ug/l #	66
15) Acrylonitrile	3.18	53	46595	19.61	ug/l #	39
16) Acetone	2.40	43	234604	95.17	ug/l #	51
18) Methyl Acetate	2.85	43	657193	122.44	ug/l #	52
20) Methylene Chloride	2.85	84	3624	0.61	ug/l #	1
25) 2-Butanone	4.70	43	2720	0.73	ug/l	99
30) Chloroform	5.28	83	6188	0.93	ug/l #	23
31) Cyclohexane	5.58	56	926618	155.16	ug/l	98
36) 1,1-Dichloropropene	5.67	75	21469	3.71	ug/l #	49
38) Carbon Tetrachloride	5.67	117	28015	5.09	ug/l #	14
39) Methylcyclohexane	7.46	83	959683	140.83	ug/l	100
41) Methacrylonitrile	5.07	41	1131	0.32	ug/l #	39
43) Isopropyl Acetate	6.45	43	14834	1.55	ug/l #	60
45) 1,2-Dichloropropane	7.46	63	8995	2.01	ug/l #	1
47) Bromodichloromethane	7.85	83	1933	0.35	ug/l #	1
48) Methyl methacrylate	7.73	41	47333	9.73	ug/l #	49
51) 4-Methyl-2-Pentanone	8.66	43	15166	1.91	ug/l #	34
55) 1,1,2-Trichloroethane	9.16	97	35848	8.00	ug/l #	19
56) Ethyl methacrylate	9.16	69	8135	1.25	ug/l #	1
67) Ethyl Benzene	10.26	91	1317057	65.39	ug/l	98
68) m/p-Xylenes	10.37	106	536693	68.19	ug/l	97
69) o-Xylene	10.70	106	14060	1.89	ug/l	97
73) Isopropylbenzene	11.02	105	507537	23.90	ug/l	96
74) N-amyl acetate	6.45	43	14834	1.34	ug/l #	55
75) 1,1,2,2-Tetrachloroethane	11.28	83	2838	0.39	ug/l #	46
76) 1,2,3-Trichloropropane	11.36	75	6100	0.96	ug/l #	1
78) n-propylbenzene	11.36	91	1016014	42.61	ug/l	100
79) 2-Chlorotoluene	11.46	91	184574	12.70	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.51	105	1136324	65.63	ug/l	98

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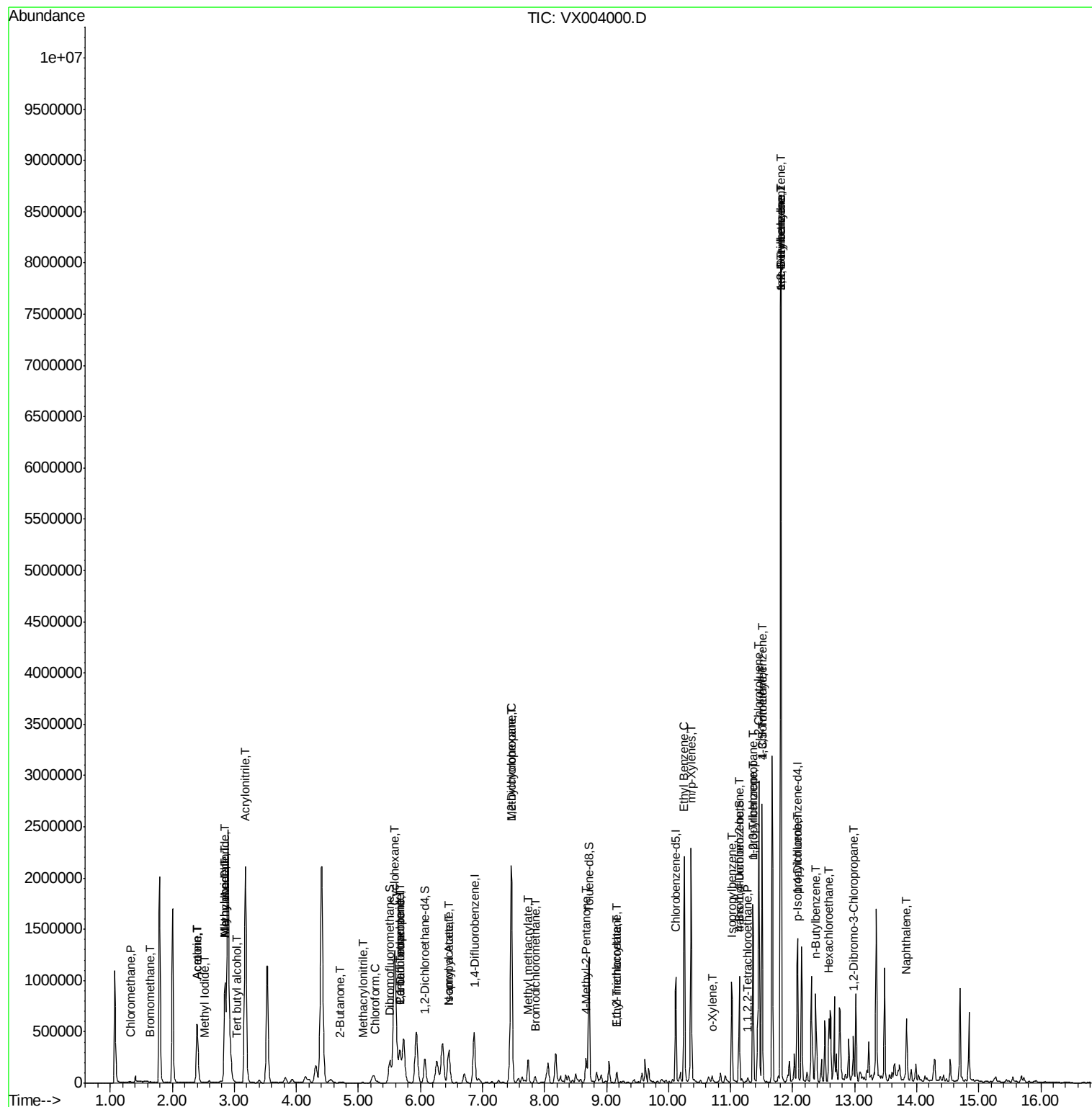
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	11.14	75	125983	60.56	ug/l #	9
82) 4-Chlorotoluene	11.51	91	118991	6.99	ug/l #	44
83) tert-Butylbenzene	11.81	119	472783	27.75	ug/l #	58
84) 1,2,4-Trimethylbenzene	11.81	105	3656360	210.01	ug/l	97
85) sec-Butylbenzene	11.81	105	3656360	181.88	ug/l #	56
86) p-Isopropyltoluene	12.07	119	113534	6.29	ug/l	100
89) n-Butylbenzene	12.38	91	120108	7.64	ug/l #	22
90) Hexachloroethane	12.58	117	25257	8.62	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	12.98	75	1445	0.97	ug/l #	1
95) Naphthalene	13.83	128	382350	17.88	ug/l	99

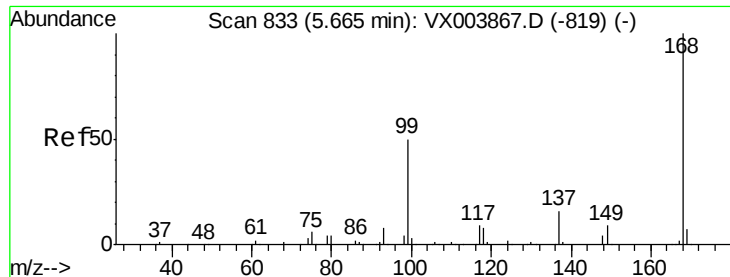
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX004000.D

Acq: 13 Aug 2018 15:15

Instrument :

MSVOA_X

ClientSampleId :

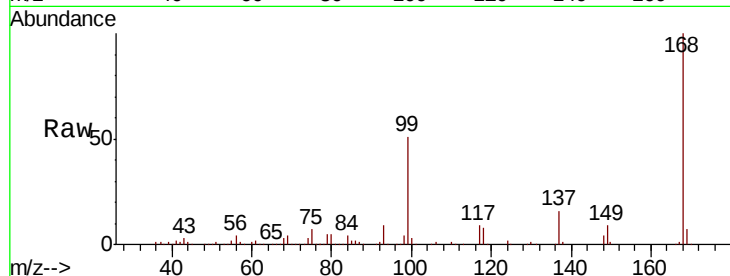
FL-0540

Tot Ion:168 Resp: 312584

Ion Ratio Lower Upper

168 100

99 51.2 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

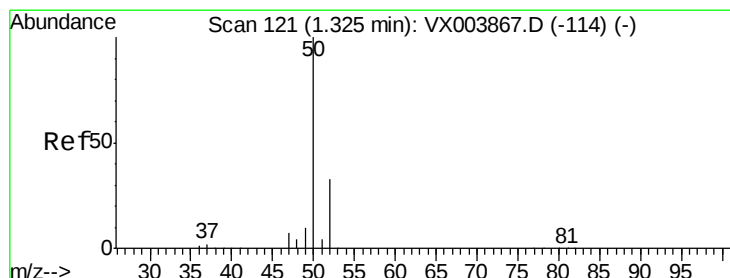
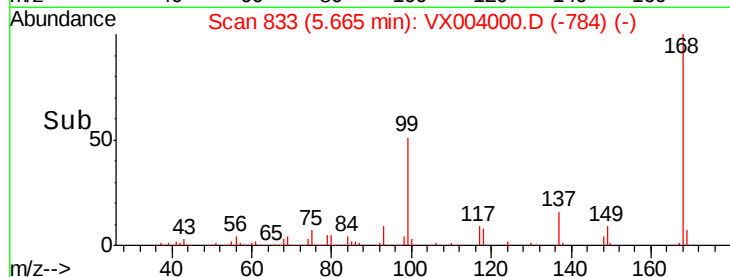
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.73 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004000.D

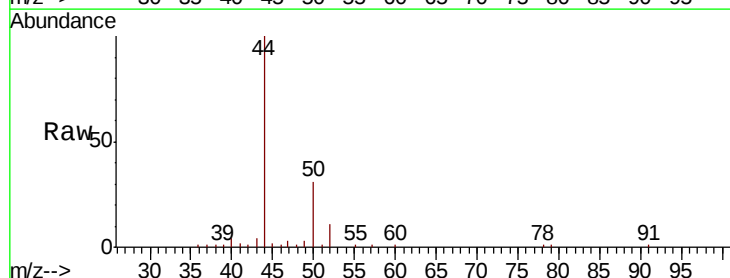
Acq: 13 Aug 2018 15:15

Tgt Ion: 50 Resp: 3131

Ion Ratio Lower Upper

50 100

52 33.6 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

3000

2500

2000

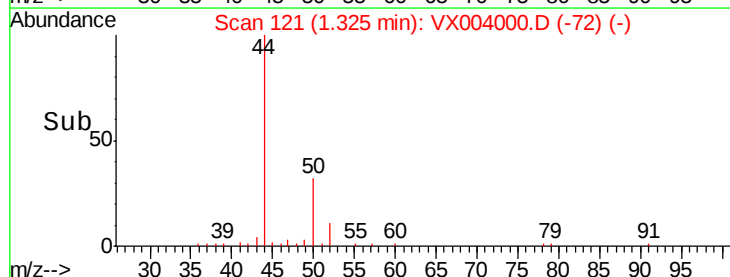
1500

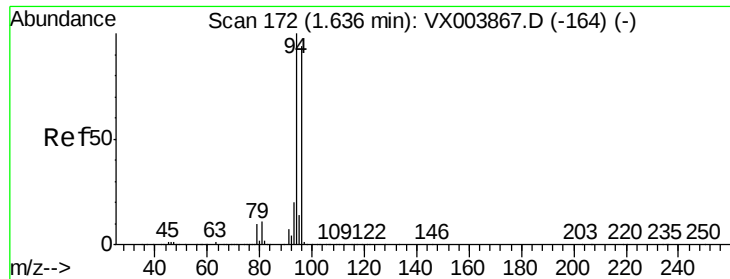
1000

500

0

Time--> 1.25 1.30 1.35





#5

Bromomethane

Concen: 0.43 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX004000.D

Acq: 13 Aug 2018 15:15

Instrument :

MSVOA_X

ClientSampleId :

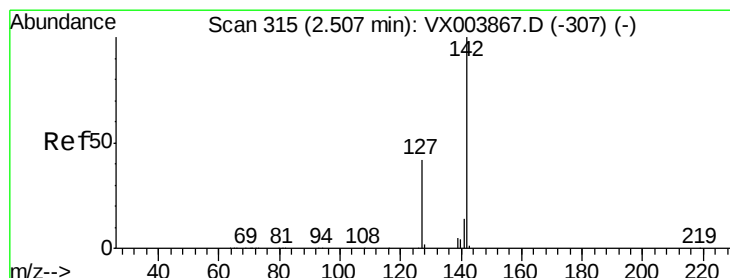
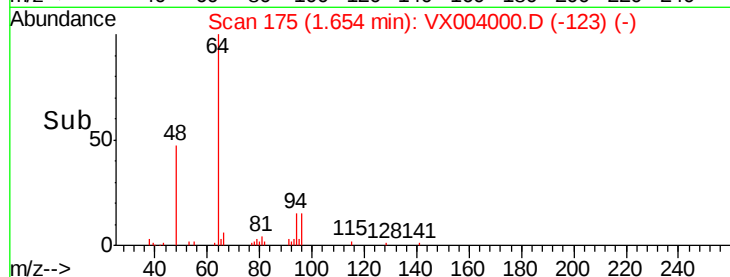
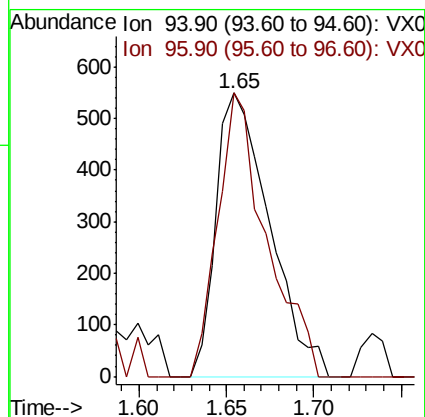
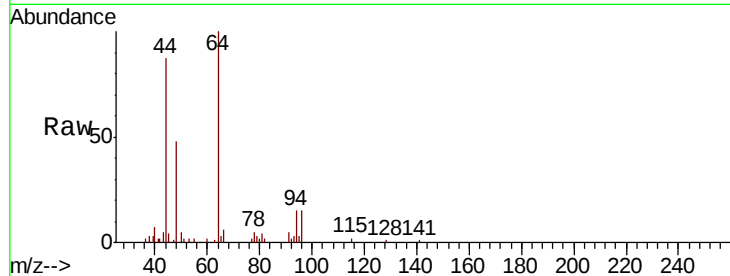
FL-0540

Tot Ion: 94 Resp: 1165

Ion Ratio Lower Upper

94 100

96 100.0 75.2 112.8



#10

Methyl Iodide

Concen: 0.20 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX004000.D

Acq: 13 Aug 2018 15:15

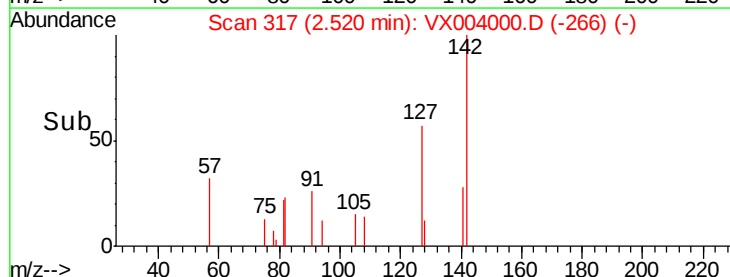
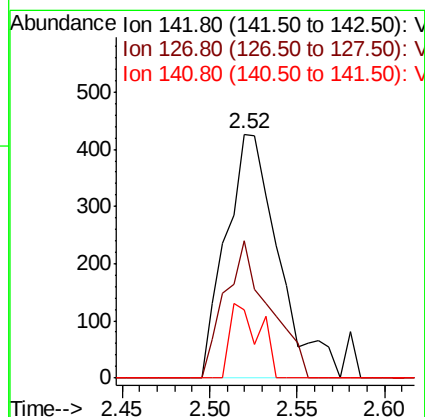
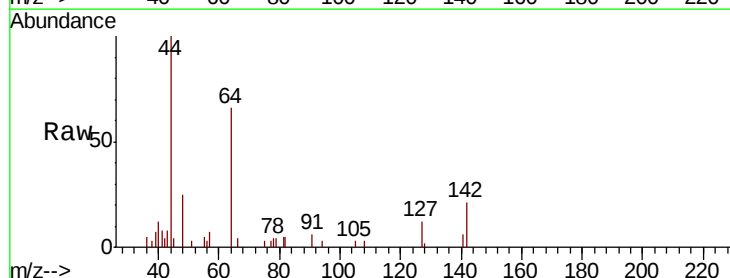
Tgt Ion: 142 Resp: 895

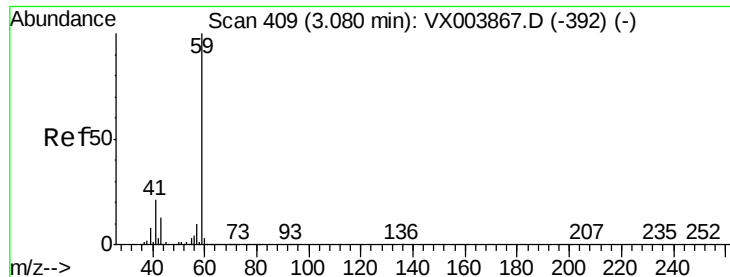
Ion Ratio Lower Upper

142 100

127 47.5 33.1 49.7

141 17.0 11.1 16.7#

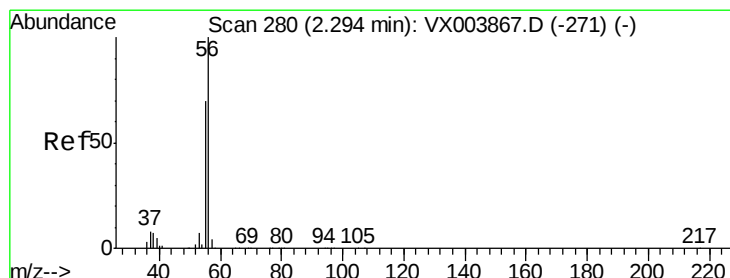
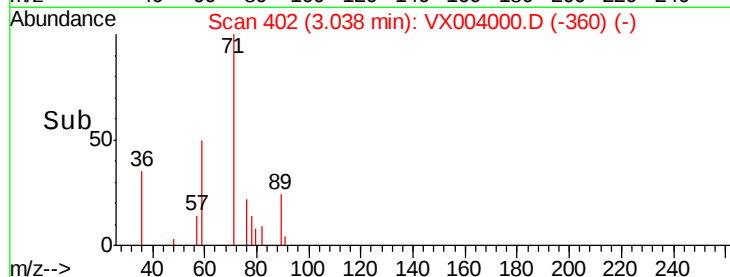
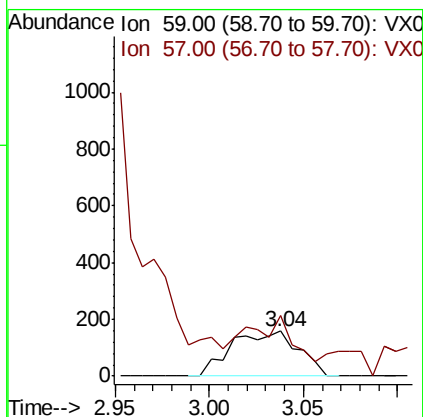
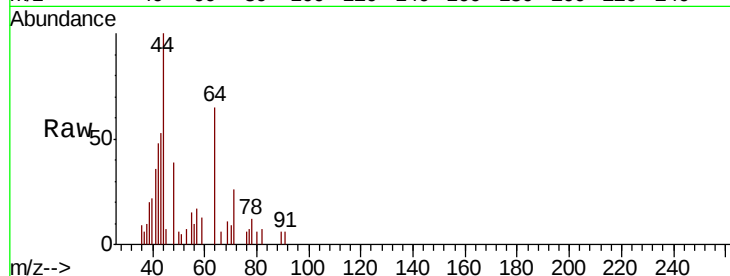




#11
Tert butvl alcohol
Concen: 0.39 ug/l
RT: 3.04 min Scan# 402
Delta R.T. -0.04 min
Lab File: VX004000.D
Acq: 13 Aug 2018 15:15

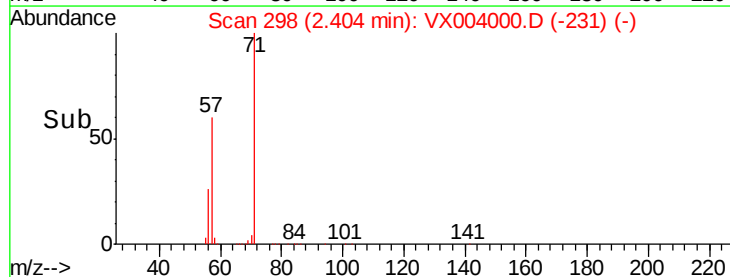
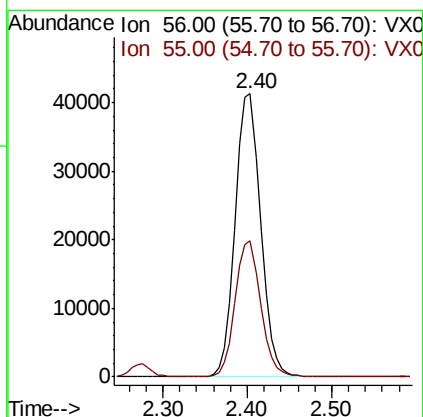
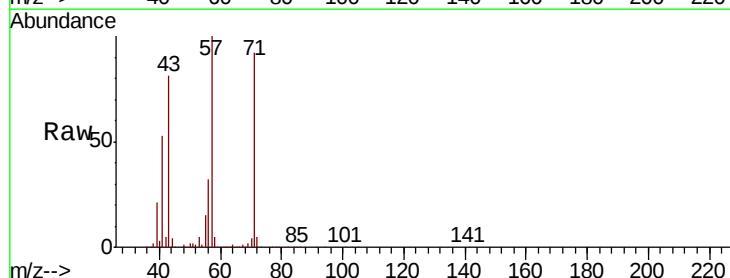
Instrument :
MSVOA_X
ClientSampled :
FL-0540

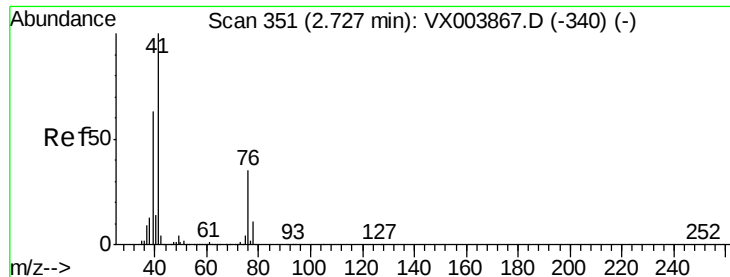
Tot Ion: 59 Resp: 389
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#13
Acrolein
Concen: 153.39 ug/l
RT: 2.40 min Scan# 298
Delta R.T. 0.11 min
Lab File: VX004000.D
Acq: 13 Aug 2018 15:15

Tgt Ion: 56 Resp: 84184
Ion Ratio Lower Upper
56 100
55 47.7 56.1 84.1#

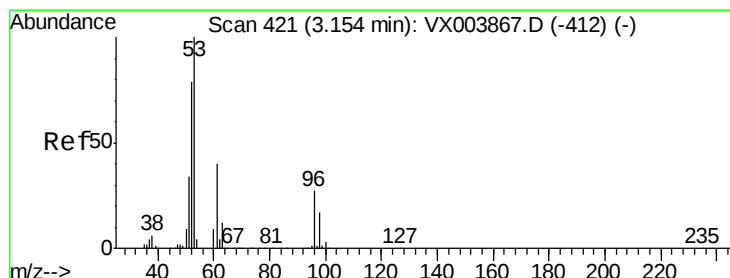
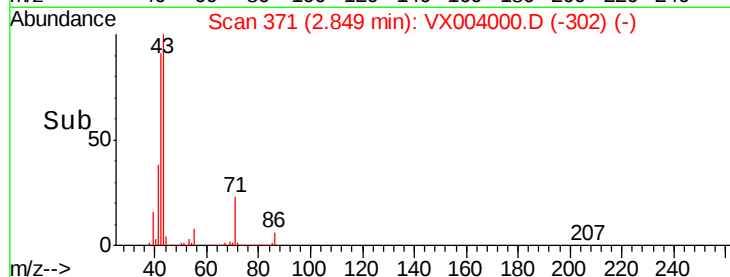
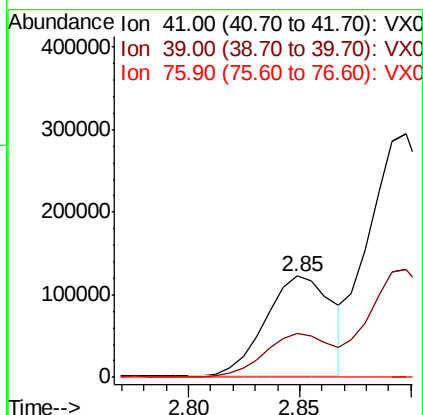
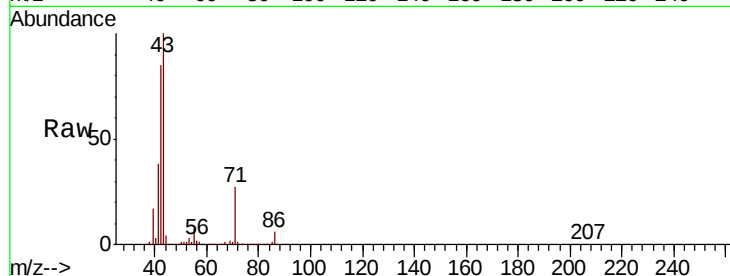




#14
Allvl chloride
Concen: 38.83 ug/l
RT: 2.85 min Scan# 371
Delta R.T. 0.12 min
Lab File: VX004000.D
Acq: 13 Aug 2018 15:15

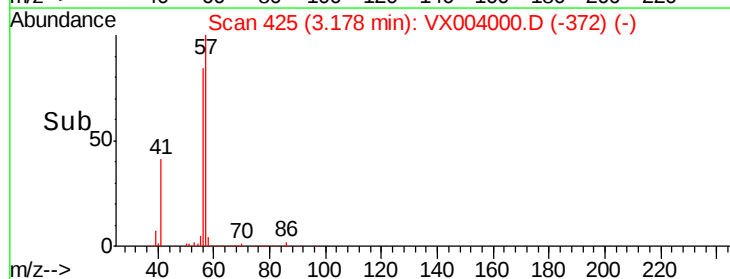
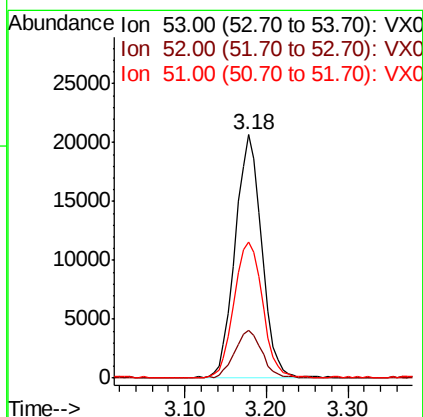
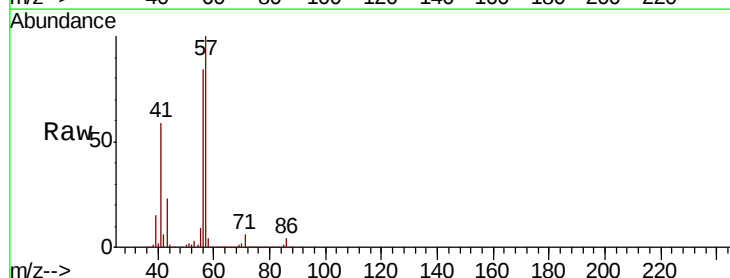
Instrument :
MSVOA_X
ClientSampled :
FL-0540

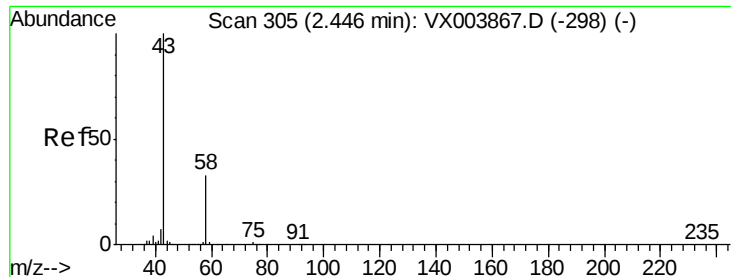
Tot Ion: 41 Resp: 251133
Ion Ratio Lower Upper
41 100
39 43.0 47.4 71.0#
76 0.0 26.0 39.0#



#15
Acrylonitrile
Concen: 19.61 ug/l
RT: 3.18 min Scan# 425
Delta R.T. 0.02 min
Lab File: VX004000.D
Acq: 13 Aug 2018 15:15

Tgt Ion: 53 Resp: 46595
Ion Ratio Lower Upper
53 100
52 20.2 65.3 97.9#
51 60.4 27.9 41.9#





#16

Acetone

Concen: 95.17 ug/l

RT: 2.40 min Scan# 297

Delta R.T. -0.05 min

Lab File: VX004000.D

Acq: 13 Aug 2018 15:15

Instrument :

MSVOA_X

ClientSampleId :

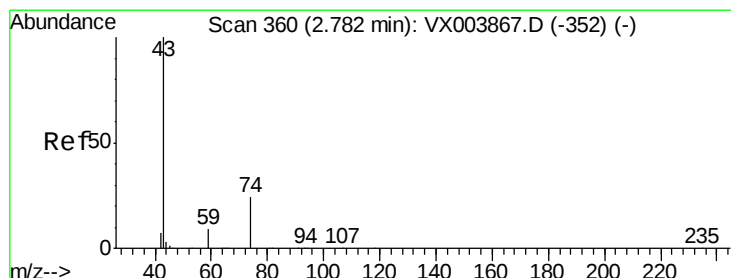
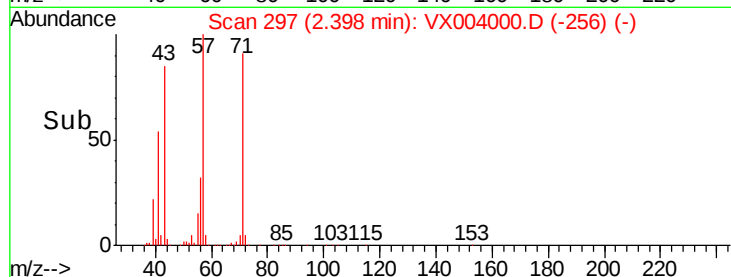
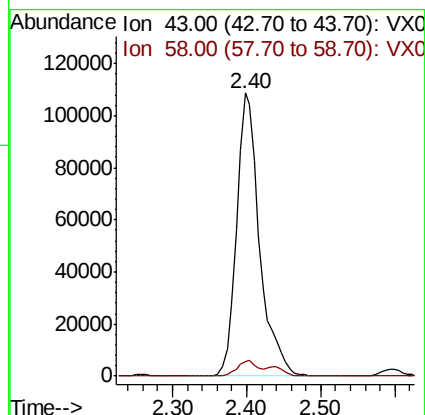
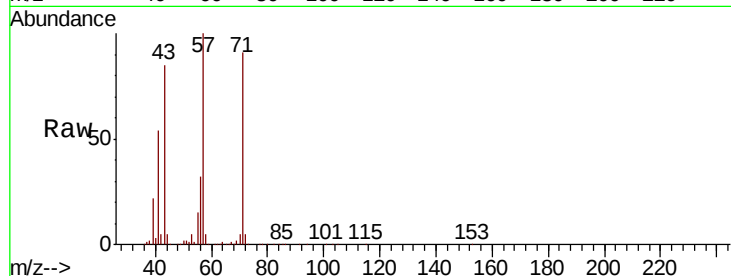
FL-0540

Tot Ion: 43 Resp: 234604

Ion Ratio Lower Upper

43 100

58 5.3 26.4 39.6#



#18

Methyl Acetate

Concen: 122.44 ug/l

RT: 2.85 min Scan# 371

Delta R.T. 0.07 min

Lab File: VX004000.D

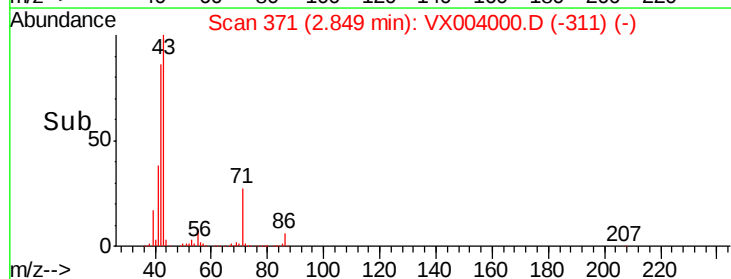
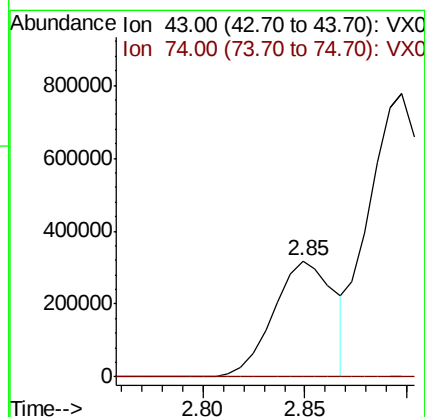
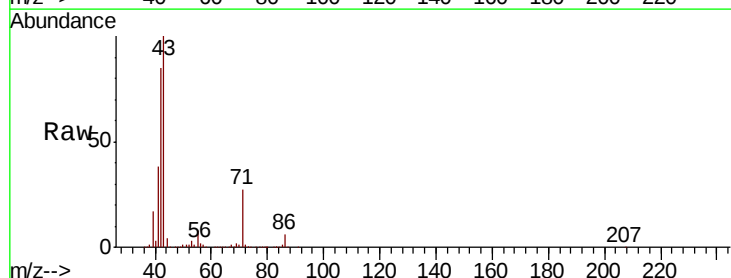
Acq: 13 Aug 2018 15:15

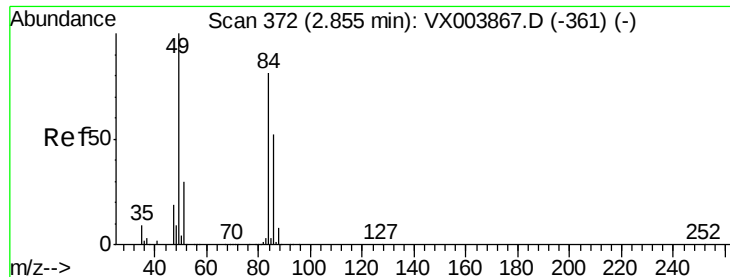
Tgt Ion: 43 Resp: 657193

Ion Ratio Lower Upper

43 100

74 0.0 18.9 28.3#





#20

Methylene Chloride

Concen: 0.61 ug/l

RT: 2.85 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX004000.D

Acq: 13 Aug 2018 15:15

Instrument :

MSVOA_X

ClientSampleId :

FL-0540

Tot Ion: 84 Resp: 3624

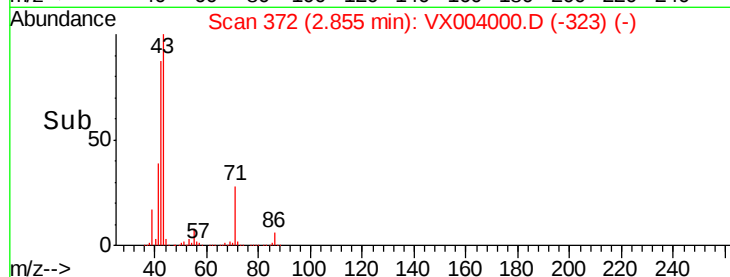
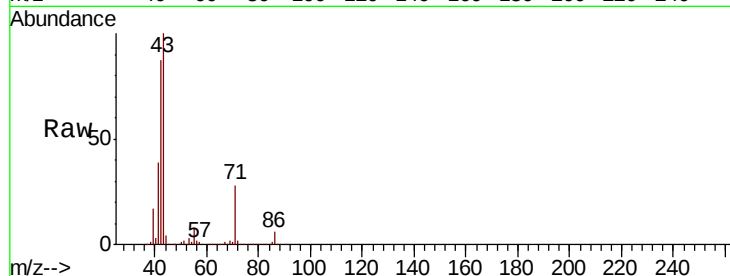
Ion Ratio Lower Upper

84 100

49 79.2 98.9 148.3#

51 374.0 29.9 44.9#

86 1421.1 51.0 76.6#

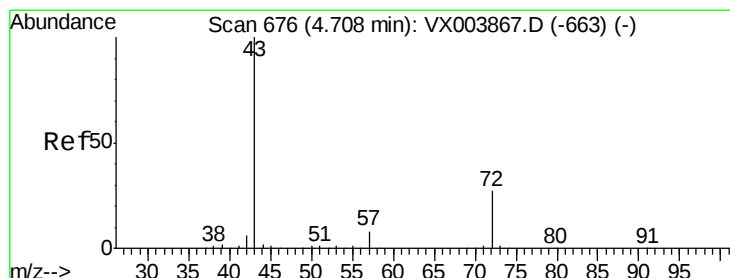
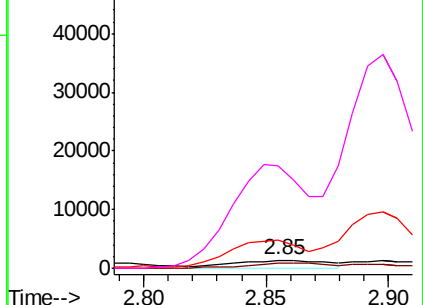


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 0.73 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX004000.D

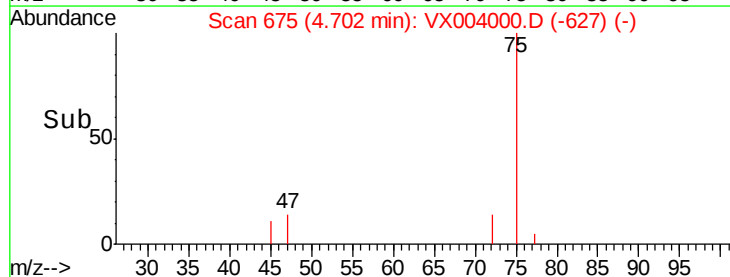
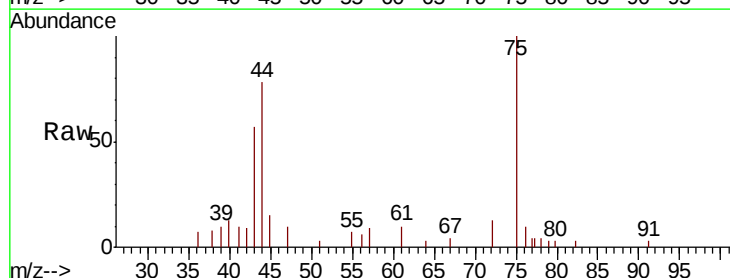
Acq: 13 Aug 2018 15:15

Tgt Ion: 43 Resp: 2720

Ion Ratio Lower Upper

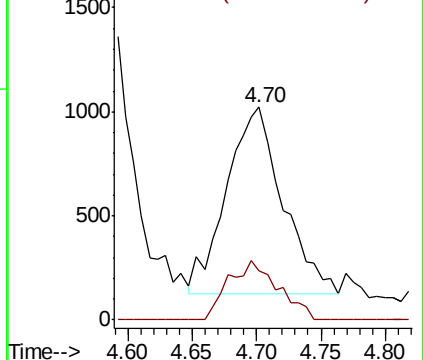
43 100

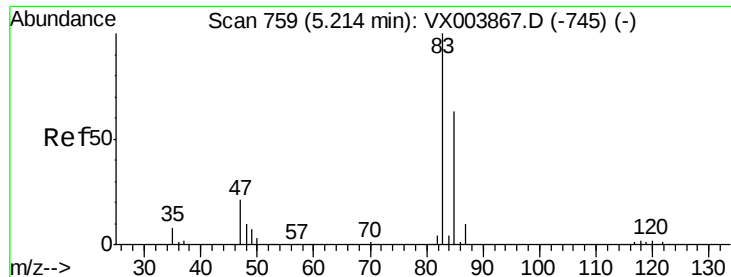
72 26.2 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

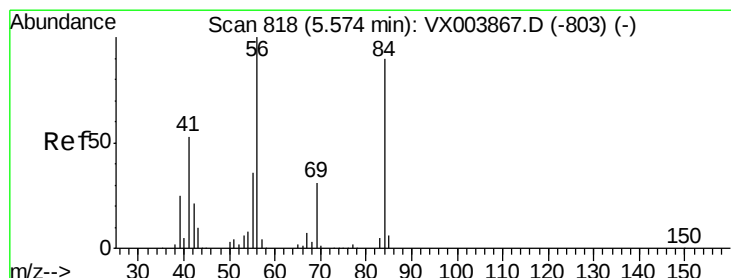
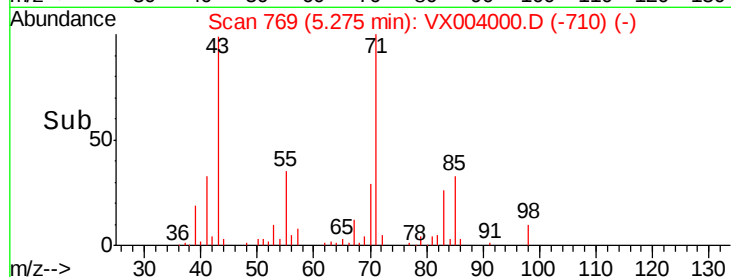
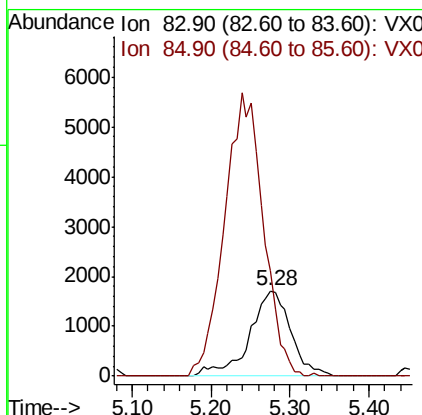
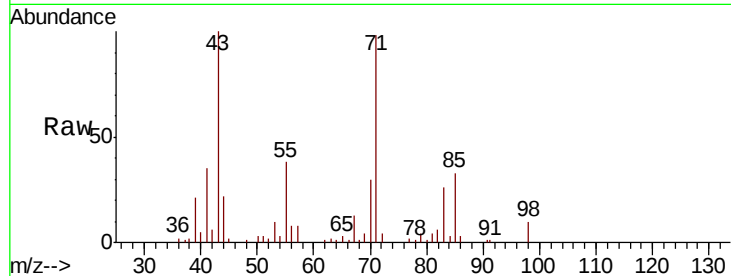




#30
Chloroform
Concen: 0.93 ug/l
RT: 5.28 min Scan# 769
Delta R.T. 0.06 min
Lab File: VX004000.D
Acq: 13 Aug 2018 15:15

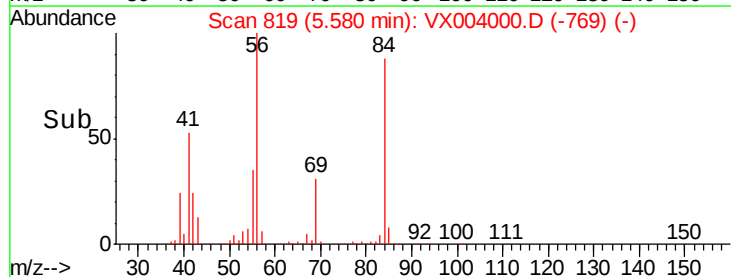
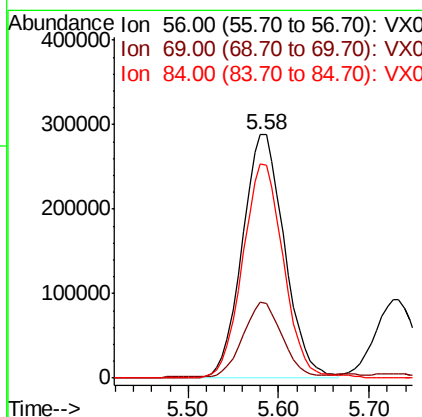
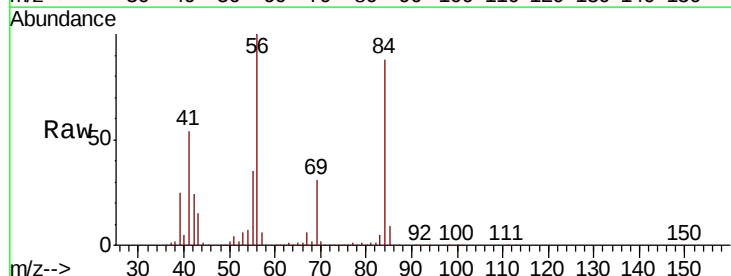
Instrument :
MSVOA_X
ClientSampled :
FL-0540

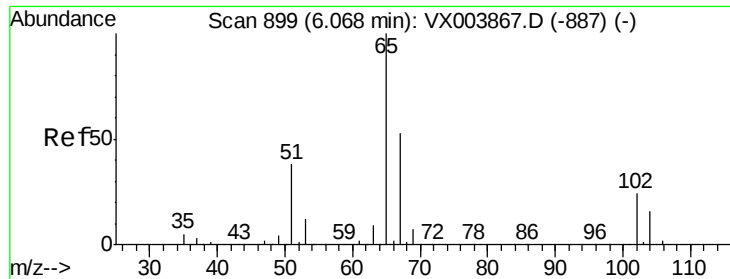
Tot Ion: 83 Resp: 6188
Ion Ratio Lower Upper
83 100
85 123.5 50.7 76.1#



#31
Cyclohexane
Concen: 155.16 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX004000.D
Acq: 13 Aug 2018 15:15

Tgt Ion: 56 Resp: 926618
Ion Ratio Lower Upper
56 100
69 30.5 24.9 37.3
84 88.0 71.7 107.5

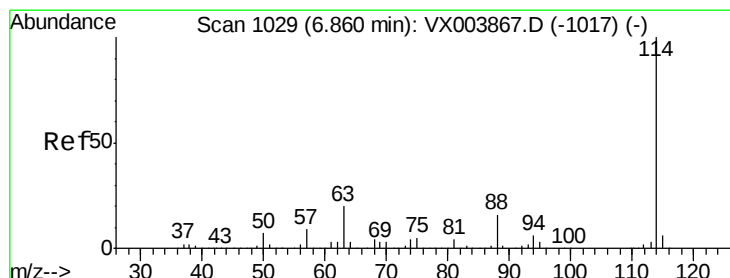
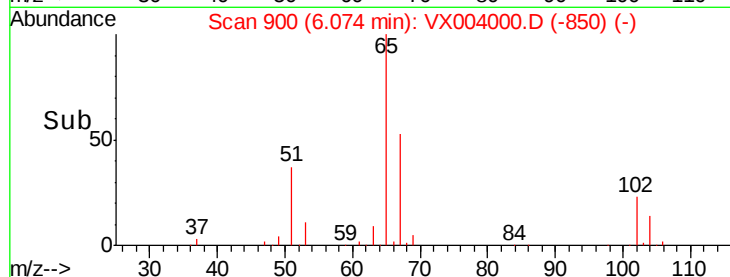
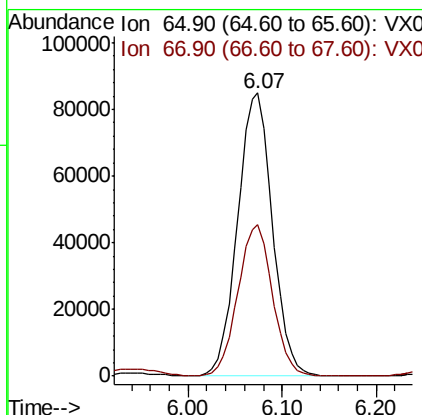
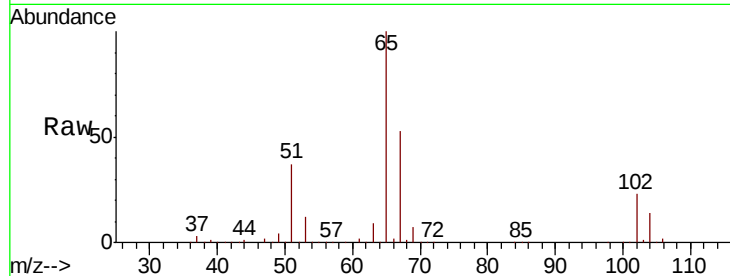




#33
 1,2-Dichloroethane-d4
 Concen: 52.79 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX004000.D
 Acq: 13 Aug 2018 15:15

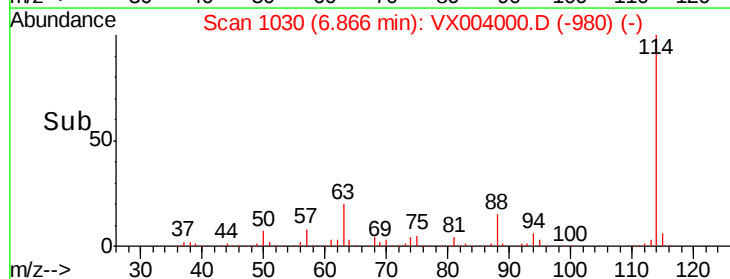
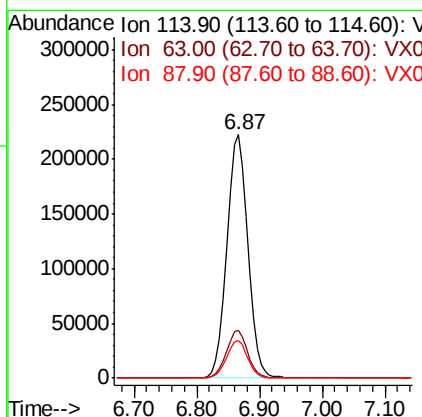
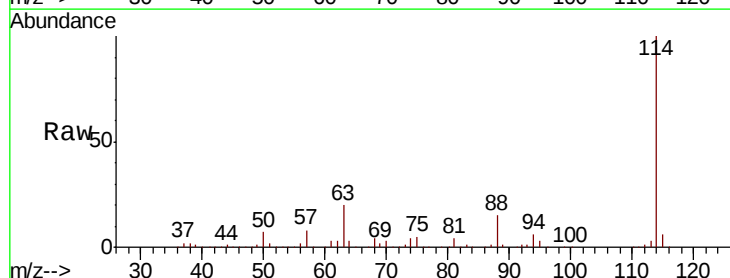
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0540

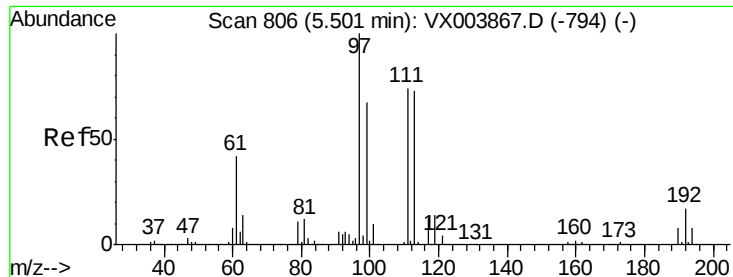
Tot Ion: 65 Resp: 218746
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.01 min
 Lab File: VX004000.D
 Acq: 13 Aug 2018 15:15

Tgt Ion: 114 Resp: 516048
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.0
 88 15.4 0.0 32.0

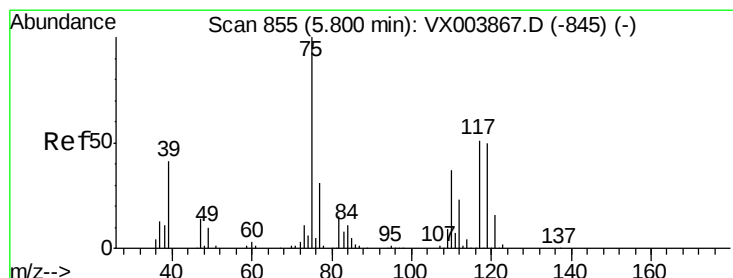
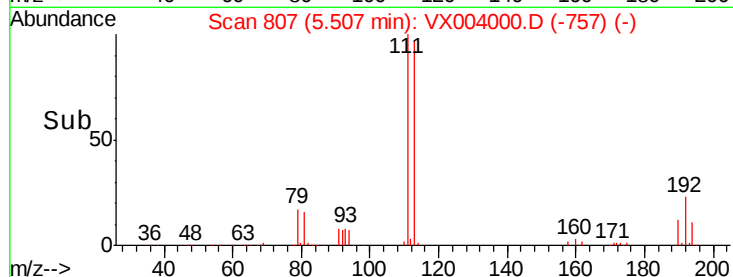
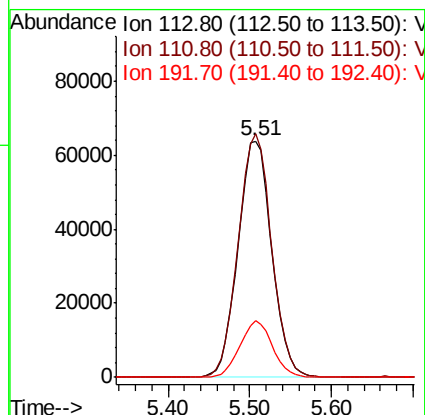
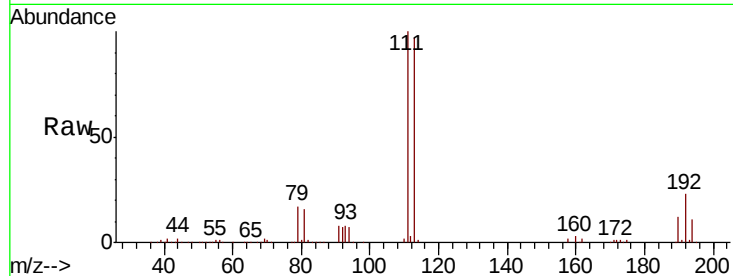




#35
 Dibromofluoromethane
 Concen: 46.83 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004000.D
 Acq: 13 Aug 2018 15:15

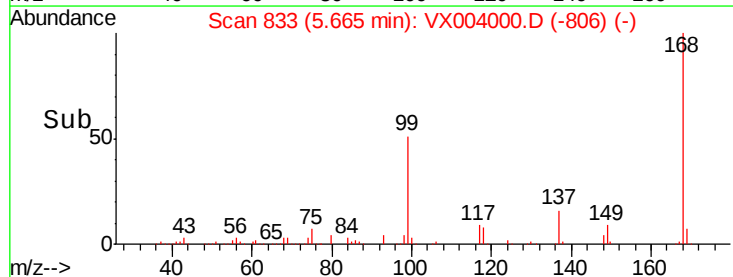
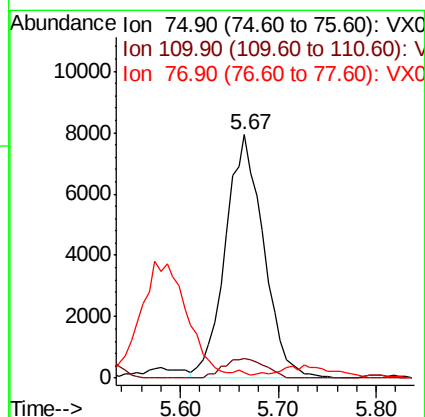
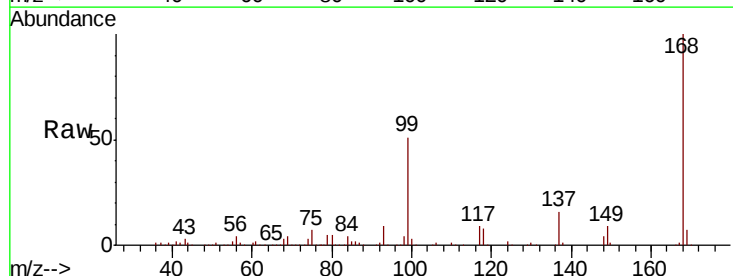
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0540

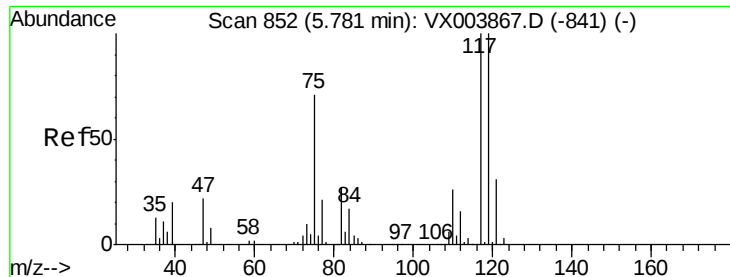
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.0	123.0
192	23.1	19.0	28.4



#36
 1,1-Dichloropropene
 Concen: 3.71 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX004000.D
 Acq: 13 Aug 2018 15:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.2	54.6#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 5.09 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.11 min

Lab File: VX004000.D

Acq: 13 Aug 2018 15:15

Instrument :

MSVOA_X

ClientSampled :

FL-0540

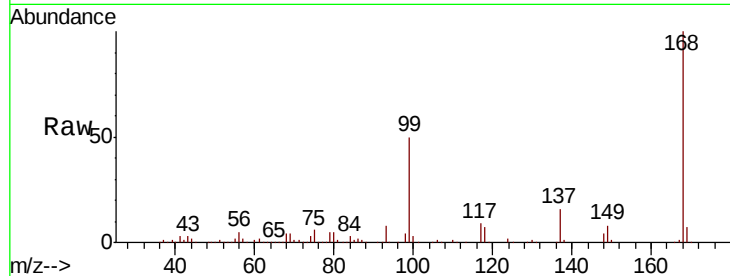
Tot Ion:117 Resp: 28015

Ion Ratio Lower Upper

117 100

119 4.6 79.5 119.3#

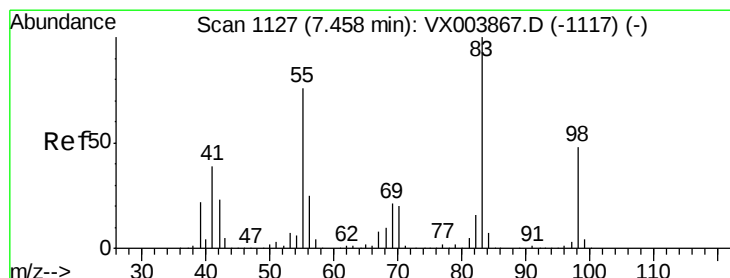
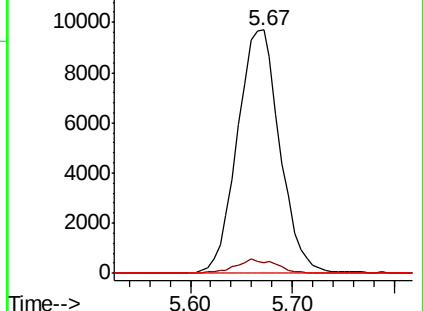
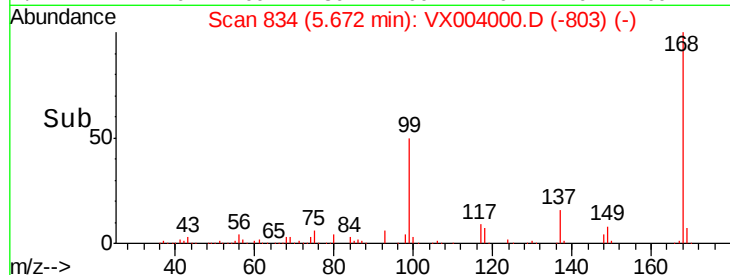
121 0.0 25.0 37.4#



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: 140.83 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. 0.01 min

Lab File: VX004000.D

Acq: 13 Aug 2018 15:15

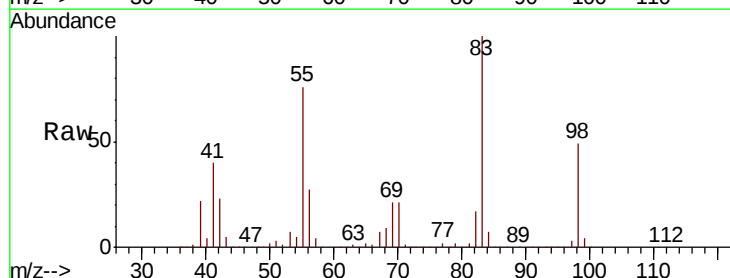
Tgt Ion: 83 Resp: 959683

Ion Ratio Lower Upper

83 100

55 76.3 61.0 91.6

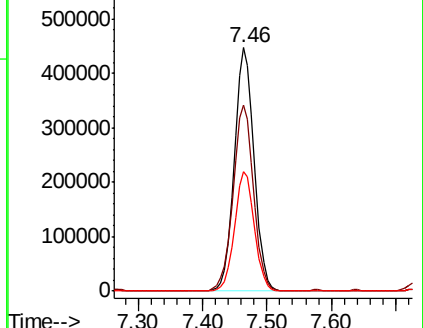
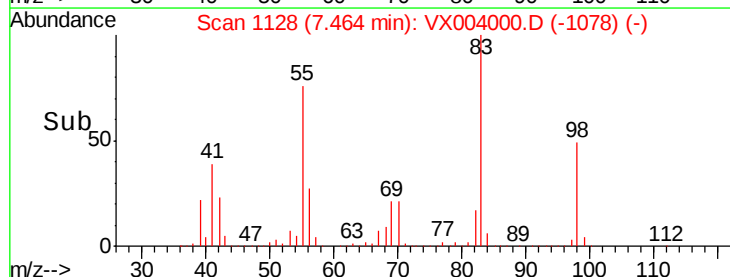
98 48.9 38.6 57.8

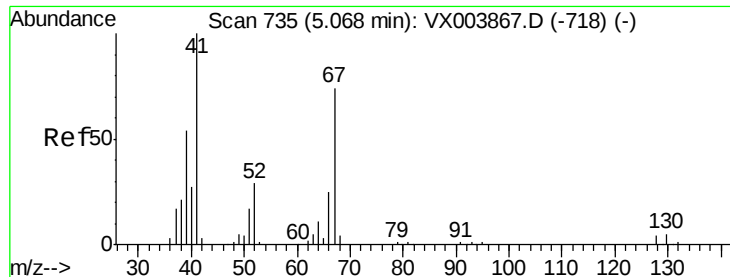


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

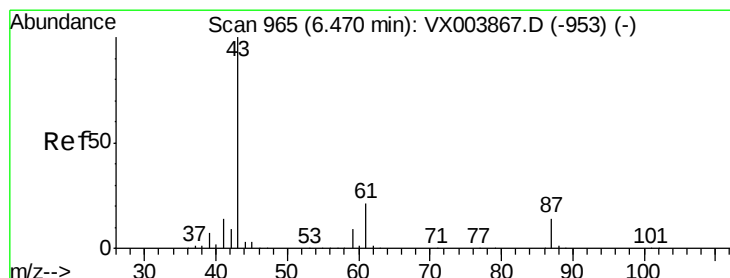
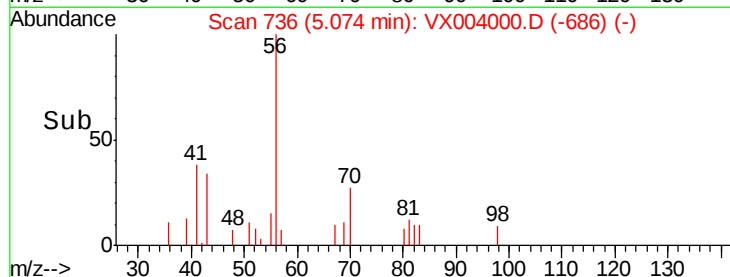
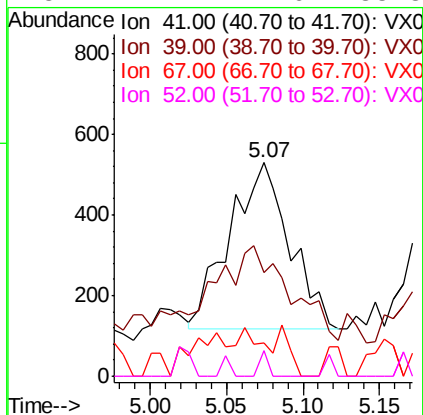
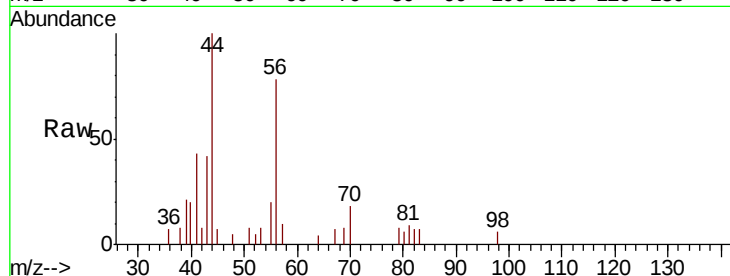




#41
Methacrylonitrile
Concen: 0.32 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX004000.D
Acq: 13 Aug 2018 15:15

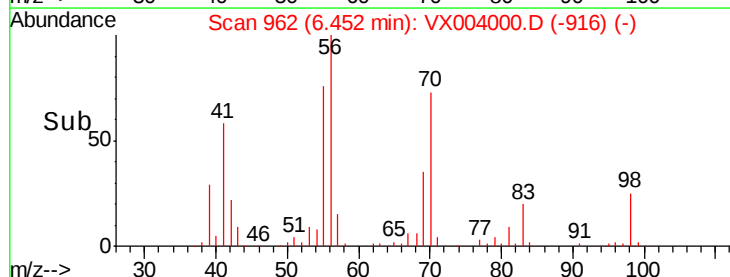
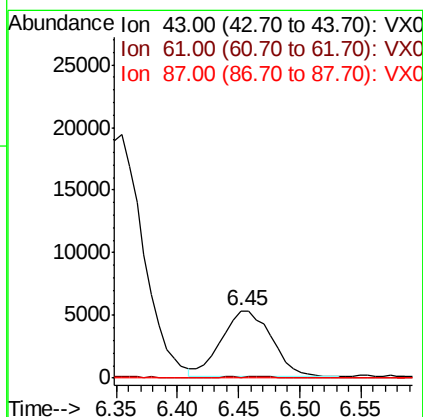
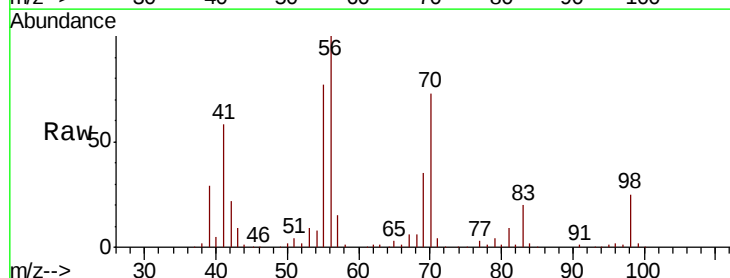
Instrument :
MSVOA_X
ClientSampleId :
FL-0540

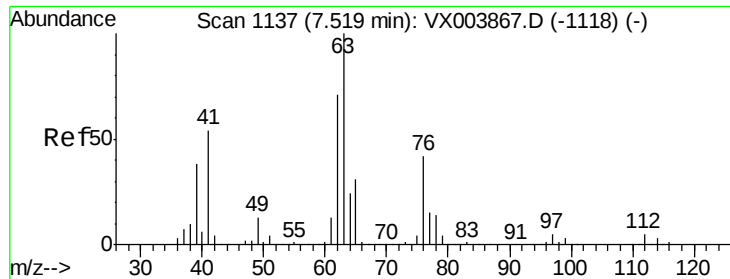
Tot Ion:	41	Resp:	1131
Ion	Ratio	Lower	Upper
41	100		
39	75.2	42.7	64.1#
67	0.0	58.9	88.3#
52	2.1	22.6	33.8#



#43
Isopropyl Acetate
Concen: 1.55 ug/l
RT: 6.45 min Scan# 962
Delta R.T. -0.02 min
Lab File: VX004000.D
Acq: 13 Aug 2018 15:15

Tgt Ion:	43	Resp:	14834
Ion	Ratio	Lower	Upper
43	100		
61	0.7	16.9	25.3#
87	0.0	11.3	16.9#





#45

1,2-Dichloropropane

Concen: 2.01 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. -0.05 min

Lab File: VX004000.D

Acq: 13 Aug 2018 15:15

Instrument :

MSVOA_X

ClientSampled :

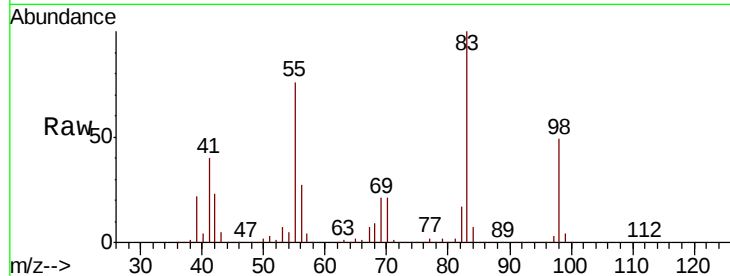
FL-0540

Tot Ion: 63 Resp: 8995

Ion Ratio Lower Upper

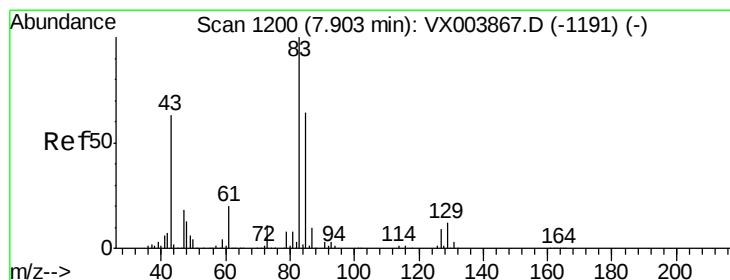
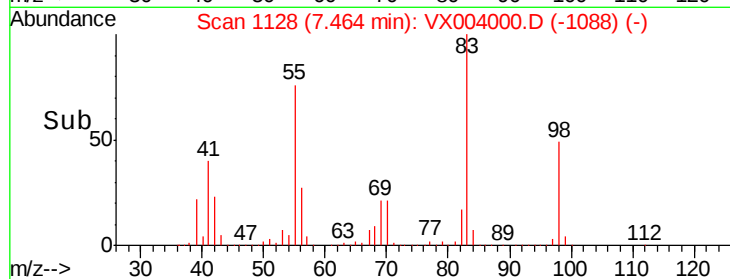
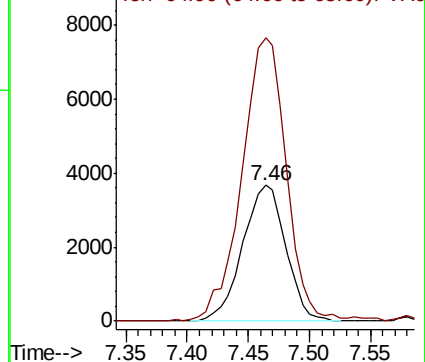
63 100

65 206.7 24.6 36.8#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#47

Bromodichloromethane

Concen: 0.35 ug/l

RT: 7.85 min Scan# 1191

Delta R.T. -0.05 min

Lab File: VX004000.D

Acq: 13 Aug 2018 15:15

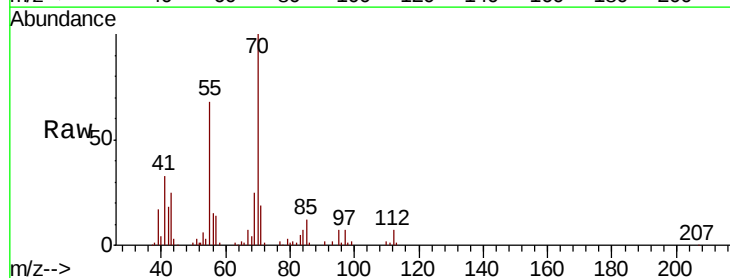
Tgt Ion: 83 Resp: 1933

Ion Ratio Lower Upper

83 100

85 242.0 51.2 76.8#

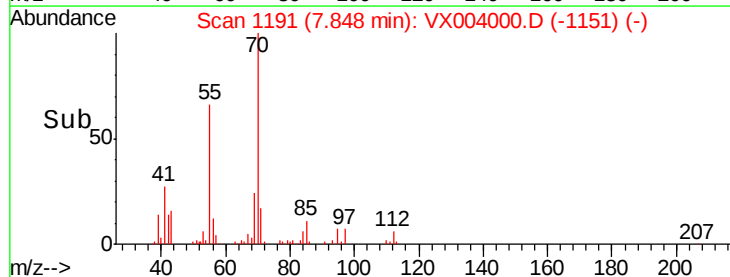
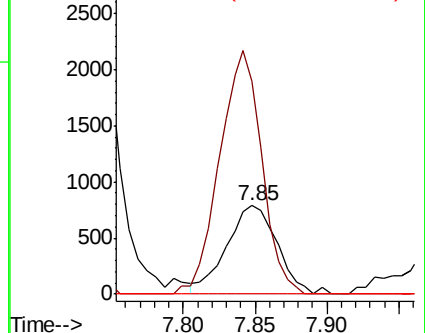
127 0.0 7.2 10.8#

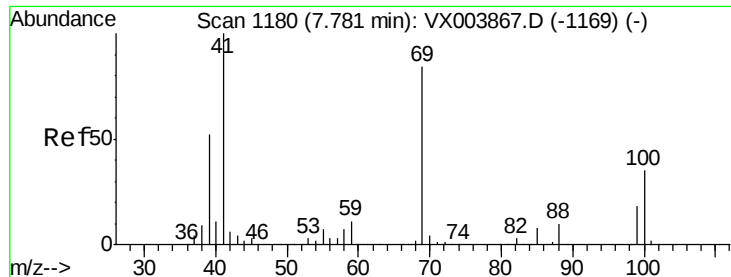


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V





#48

Methvl methacrylate

Concen: 9.73 ug/l

RT: 7.73 min Scan# 1172

Delta R.T. -0.05 min

Lab File: VX004000.D

Acq: 13 Aug 2018 15:15

Instrument :

MSVOA_X

ClientSampled :

FL-0540

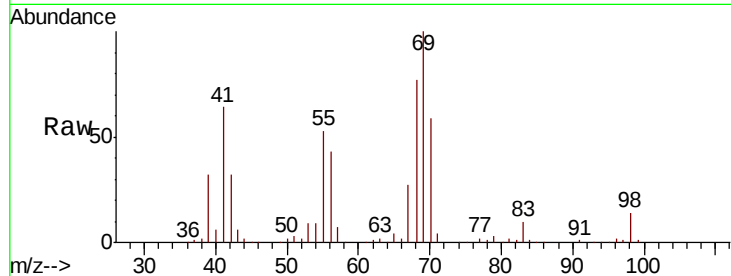
Tot Ion: 41 Resp: 47333

Ion Ratio Lower Upper

41 100

69 158.2 68.8 103.2#

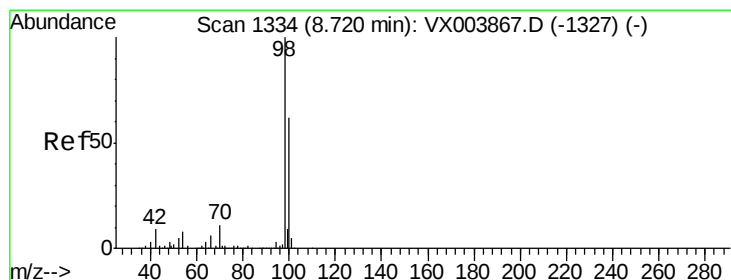
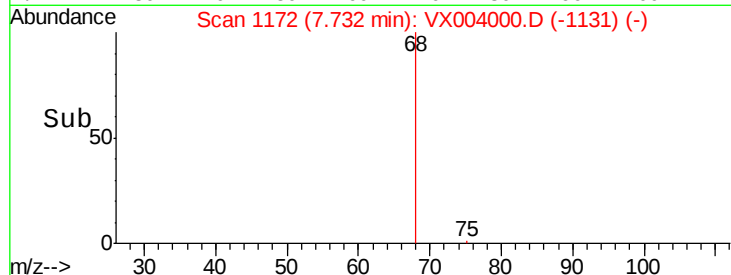
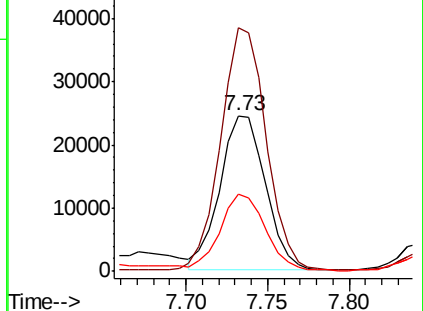
39 49.2 42.3 63.5



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



#50

Toluene-d8

Concen: 48.98 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX004000.D

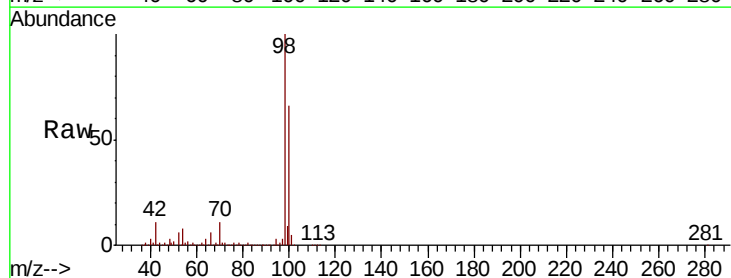
Acq: 13 Aug 2018 15:15

Tgt Ion: 98 Resp: 744696

Ion Ratio Lower Upper

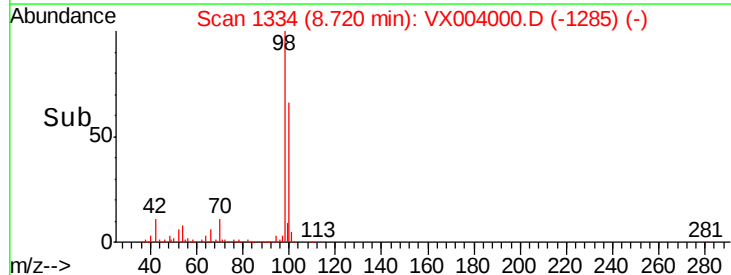
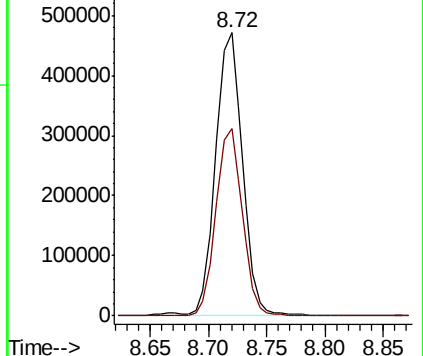
98 100

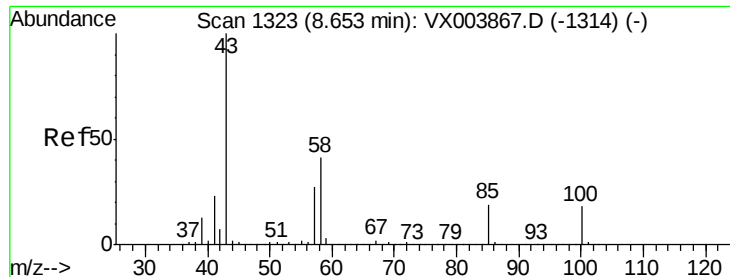
100 65.9 53.3 79.9



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: 1.91 ug/l

RT: 8.66 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VX004000.D

Acq: 13 Aug 2018 15:15

Instrument :

MSVOA_X

ClientSampled :

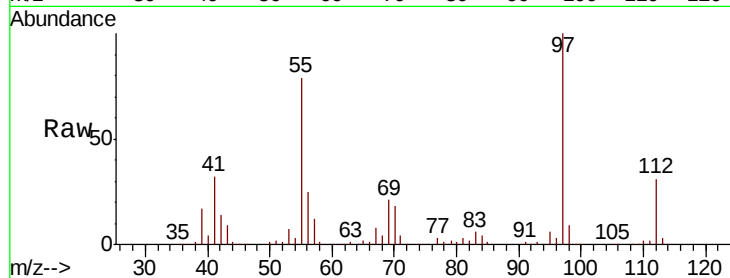
FL-0540

Tot Ion: 43 Resp: 15166

Ion Ratio Lower Upper

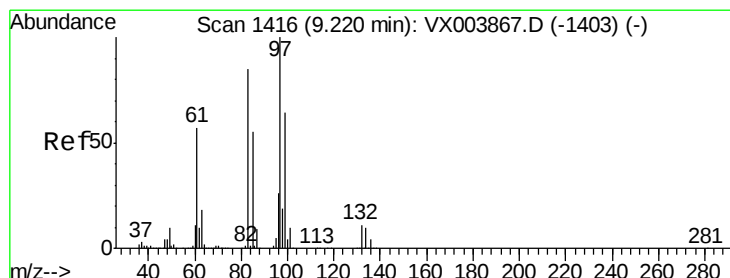
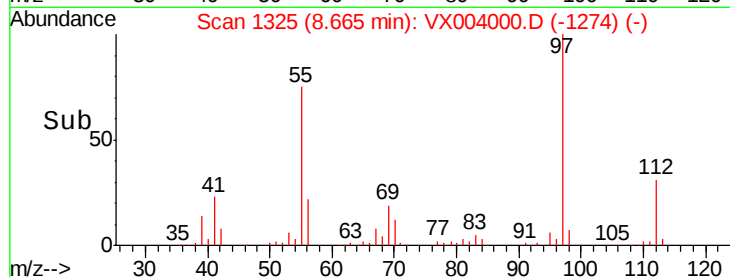
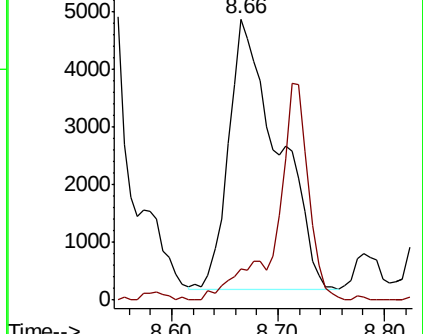
43 100

58 0.0 33.0 49.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#55

1,1,2-Trichloroethane

Concen: 8.00 ug/l

RT: 9.16 min Scan# 1407

Delta R.T. -0.05 min

Lab File: VX004000.D

Acq: 13 Aug 2018 15:15

Tgt Ion: 97 Resp: 35848

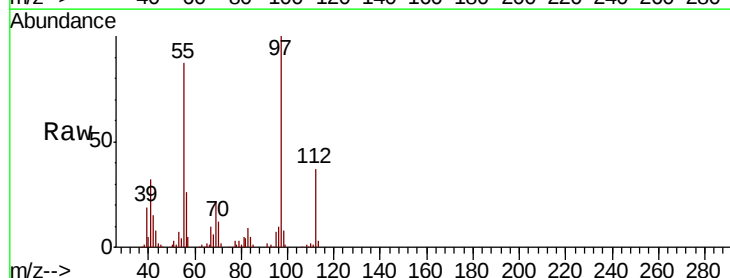
Ion Ratio Lower Upper

97 100

83 7.9 67.8 101.6#

85 0.5 44.2 66.2#

99 0.5 50.8 76.2#

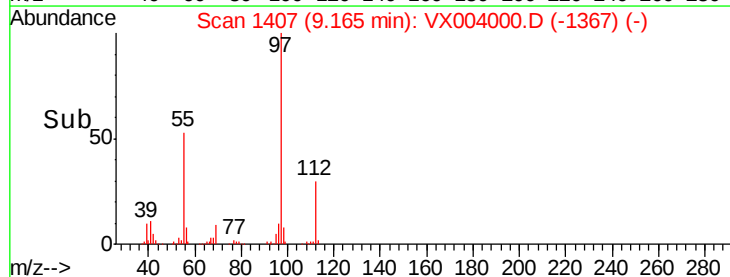
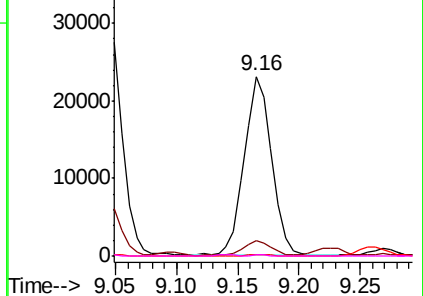


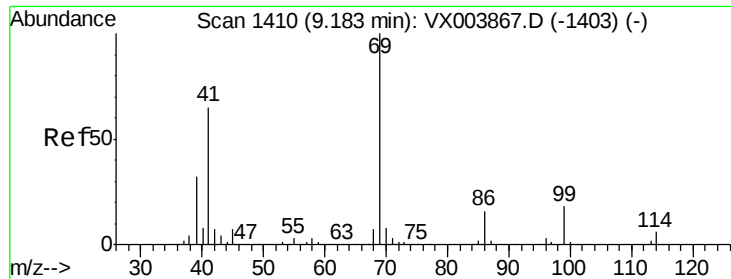
Abundance Ion 96.90 (96.60 to 97.60): VX0

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





#56

Ethyl methacrylate

Concen: 1.25 ug/l

RT: 9.16 min Scan# 1407

Delta R.T. -0.02 min

Lab File: VX004000.D

Acq: 13 Aug 2018 15:15

Instrument :

MSVOA_X

ClientSampleId :

FL-0540

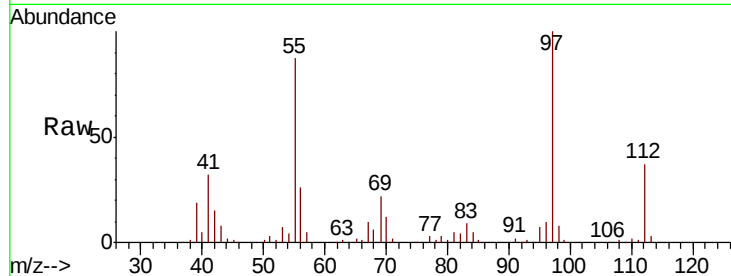
Tot Ion: 69 Resp: 8135

Ion Ratio Lower Upper

69 100

41 148.6 50.6 76.0#

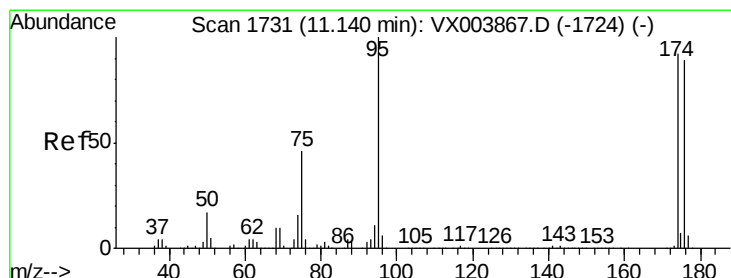
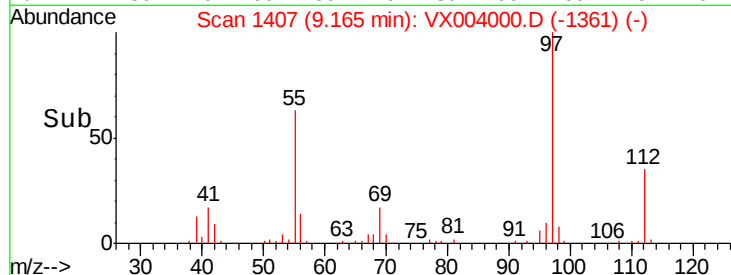
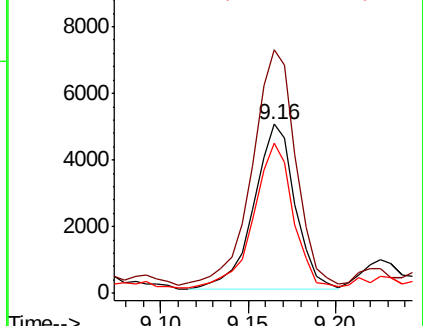
39 84.2 25.8 38.6#



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



#62

4-Bromofluorobenzene

Concen: 52.81 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX004000.D

Acq: 13 Aug 2018 15:15

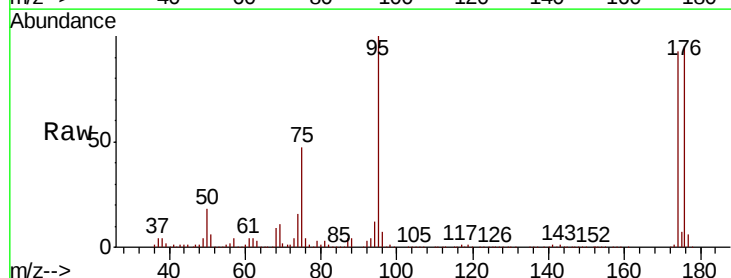
Tgt Ion: 95 Resp: 259813

Ion Ratio Lower Upper

95 100

174 92.8 0.0 182.8

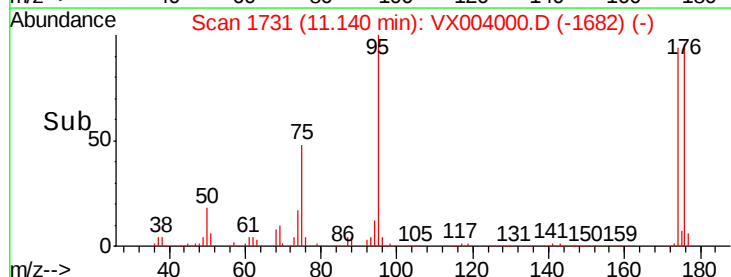
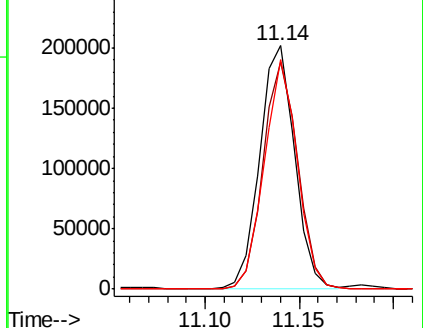
176 90.0 0.0 179.0

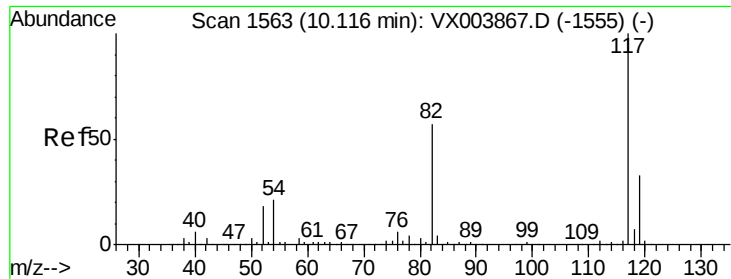


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

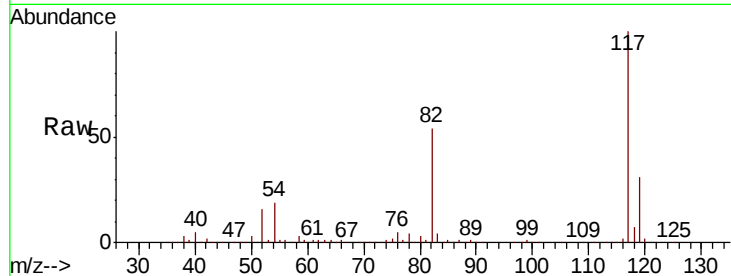




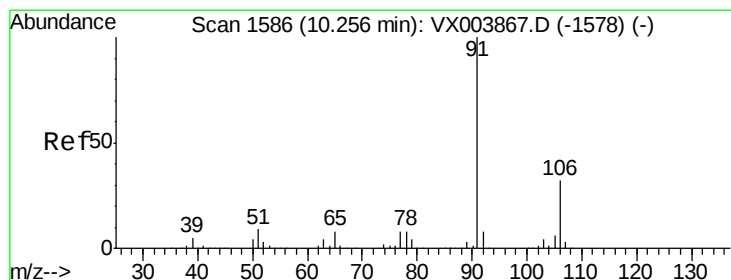
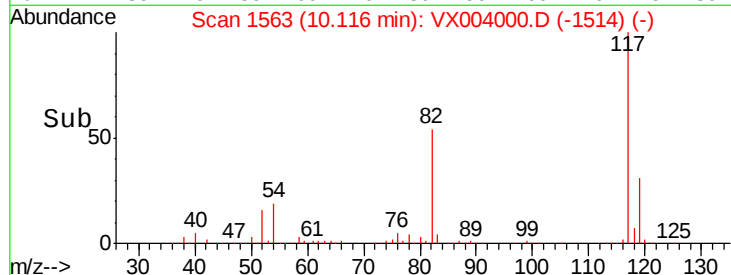
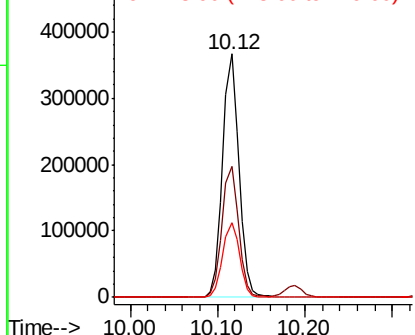
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX004000.D
Acq: 13 Aug 2018 15:15

Instrument :
MSVOA_X
ClientSampleId :
FL-0540

Tot Ion:117 Resp: 472874
Ion Ratio Lower Upper
117 100
82 53.5 45.4 68.0
119 30.6 26.6 40.0

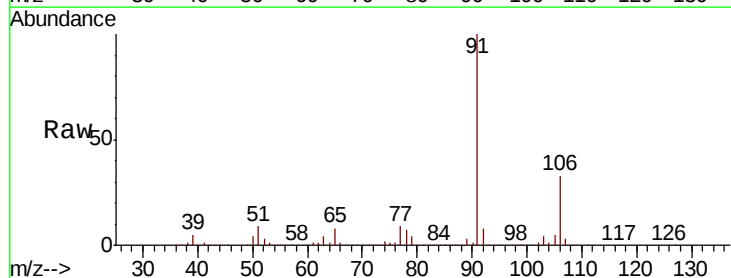


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

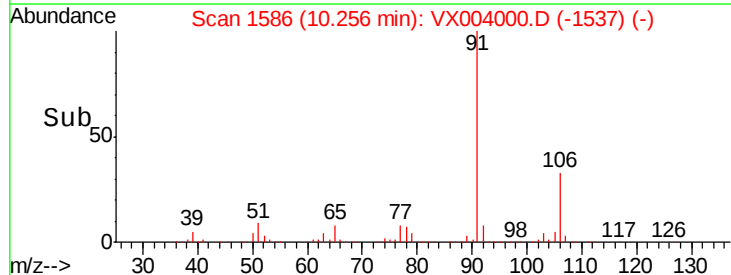
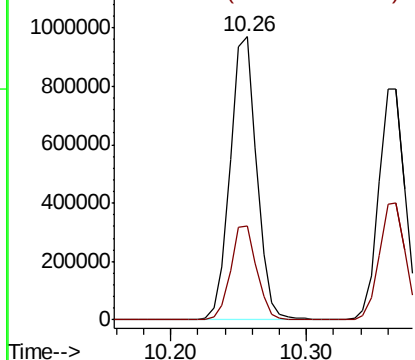


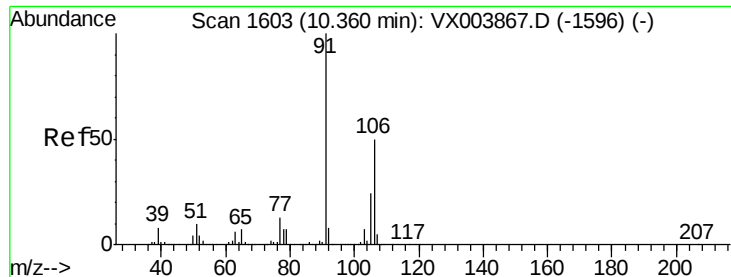
#67
Ethyl Benzene
Concen: 65.39 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX004000.D
Acq: 13 Aug 2018 15:15

Tgt Ion: 91 Resp: 1317057
Ion Ratio Lower Upper
91 100
106 33.3 25.9 38.9



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

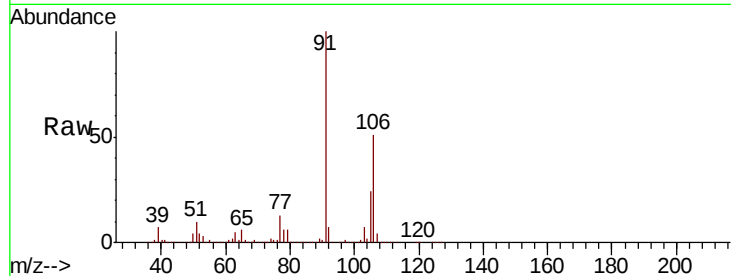




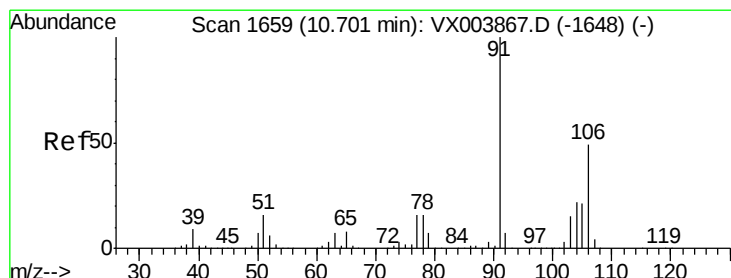
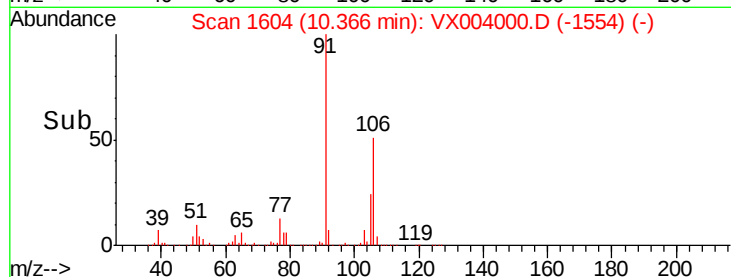
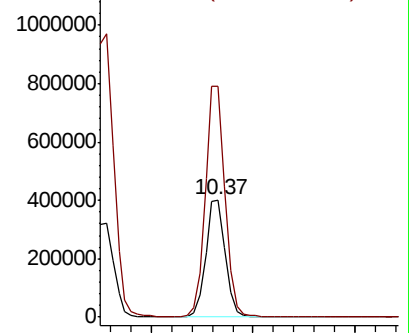
#68
m/p-Xylenes
Concen: 68.19 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX004000.D
Acq: 13 Aug 2018 15:15

Instrument :
MSVOA_X
ClientSampleId :
FL-0540

Tot Ion:106 Resp: 536693
Ion Ratio Lower Upper
106 100
91 198.9 162.3 243.5

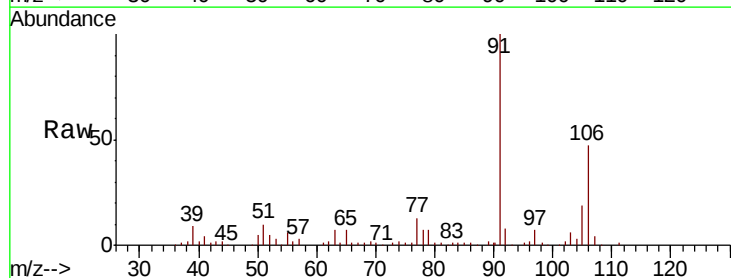


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

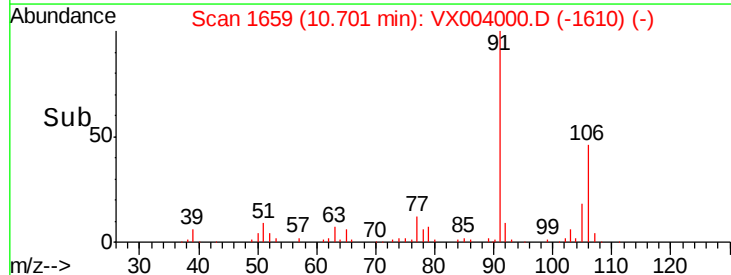
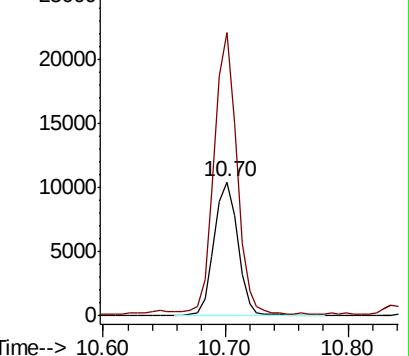


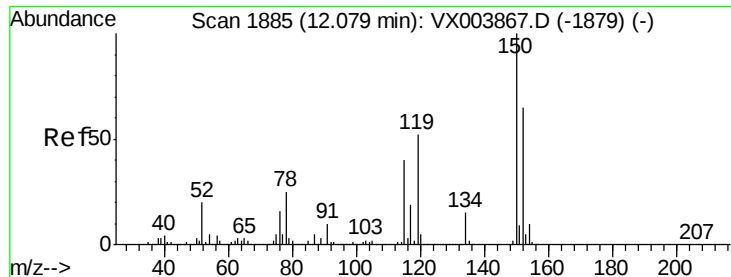
#69
o-Xylene
Concen: 1.89 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX004000.D
Acq: 13 Aug 2018 15:15

Tgt Ion:106 Resp: 14060
Ion Ratio Lower Upper
106 100
91 199.6 101.9 305.7



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX004000.D

Acq: 13 Aug 2018 15:15

Instrument :

MSVOA_X

ClientSampleId :

FL-0540

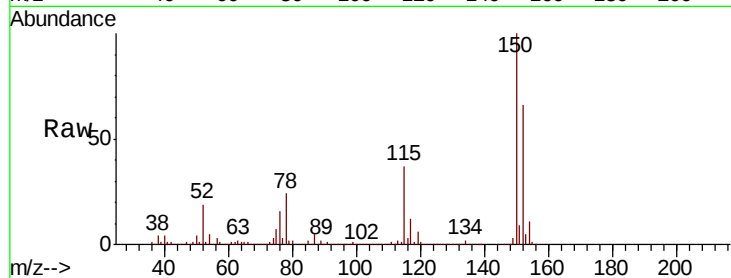
Tot Ion:152 Resp: 287050

Ion Ratio Lower Upper

152 100

115 57.4 39.1 117.3

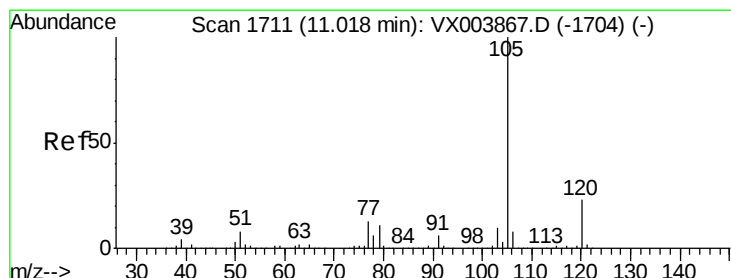
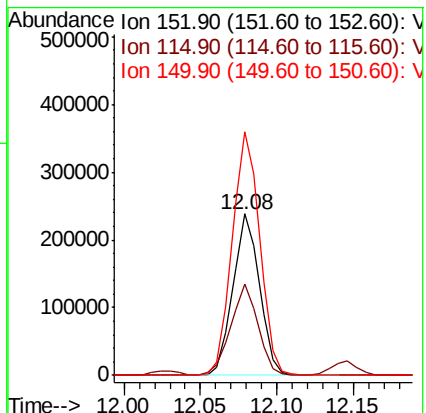
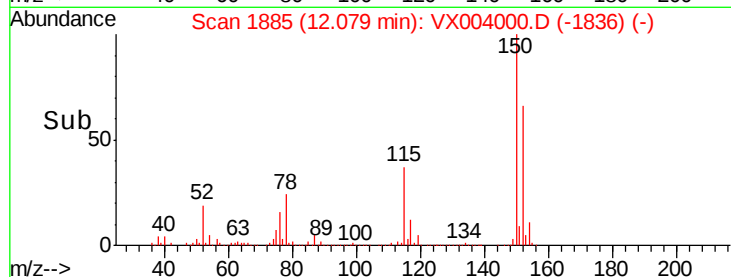
150 155.5 0.0 349.2



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: 23.90 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX004000.D

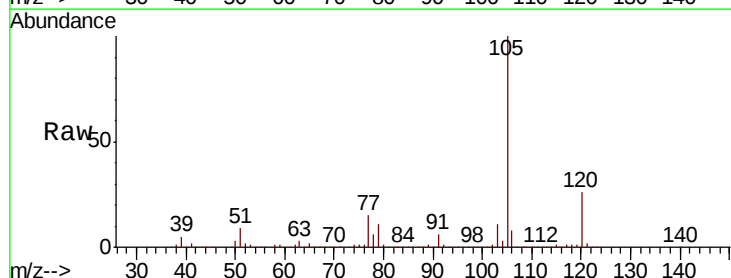
Acq: 13 Aug 2018 15:15

Tgt Ion:105 Resp: 507537

Ion Ratio Lower Upper

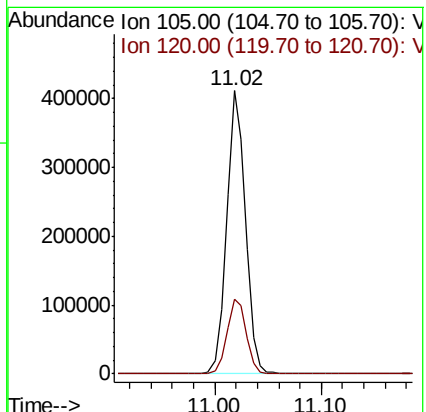
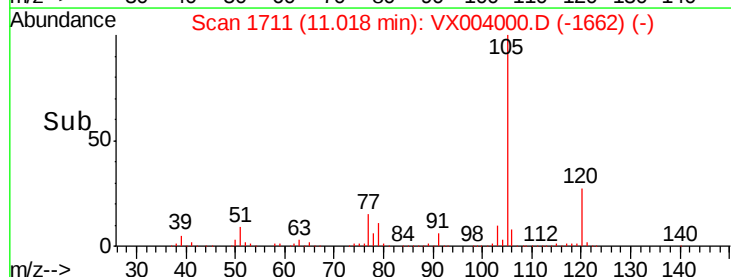
105 100

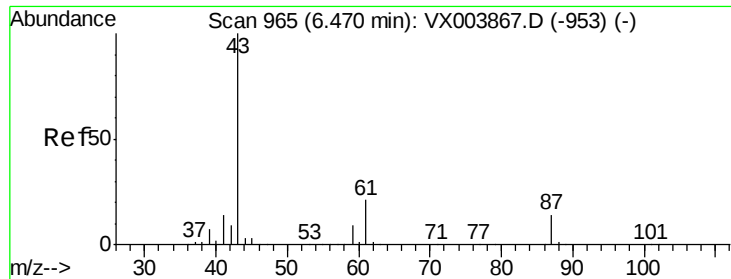
120 27.0 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.34 ug/l

RT: 6.45 min Scan# 962

Delta R.T. -0.02 min

Lab File: VX004000.D

Acq: 13 Aug 2018 15:15

Instrument :

MSVOA_X

ClientSampled :

FL-0540

Tot Ion: 43 Resp: 14834

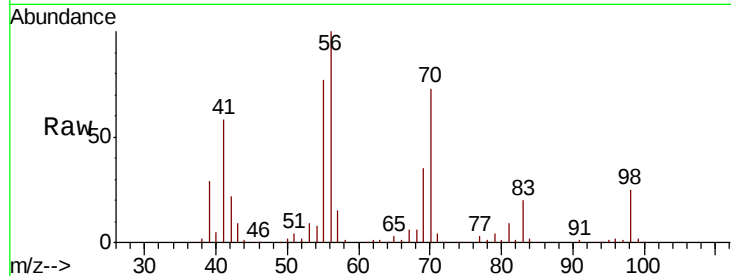
Ion Ratio Lower Upper

43 100

70 825.5 0.0 0.0#

55 836.0 0.1 0.1#

61 0.7 16.9 25.3#

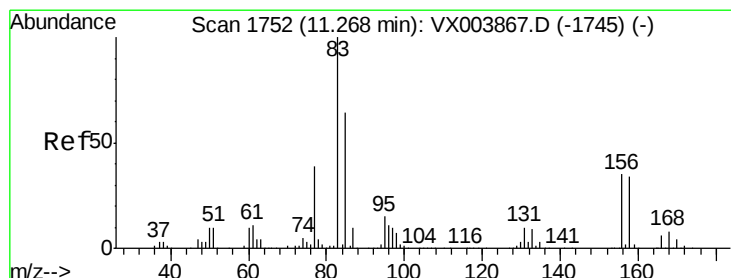
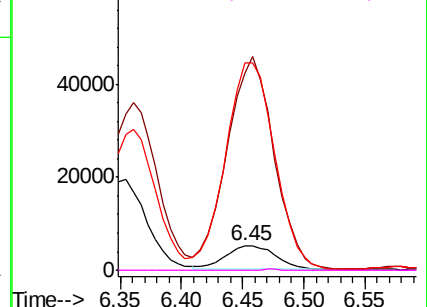
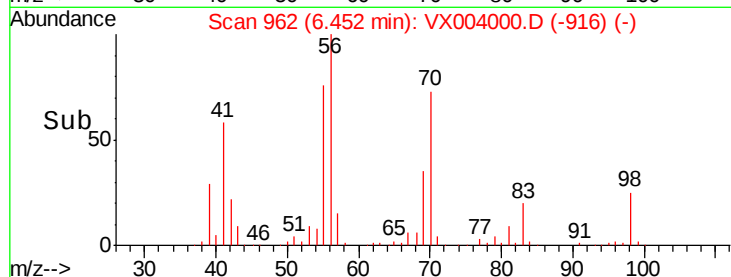


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.39 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VX004000.D

Acq: 13 Aug 2018 15:15

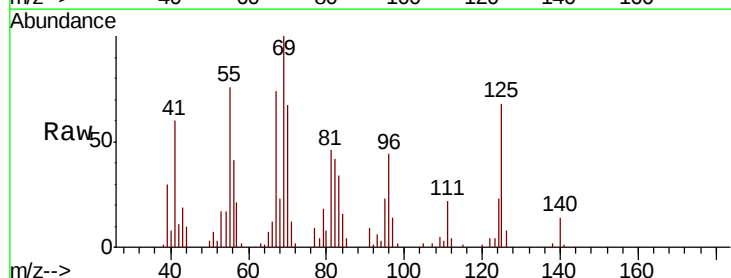
Tgt Ion: 83 Resp: 2838

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

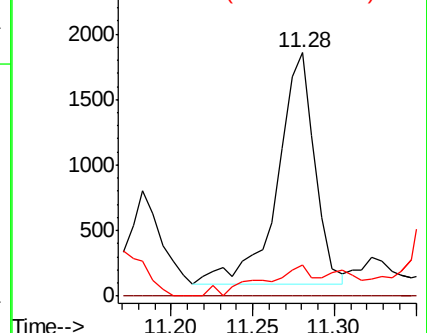
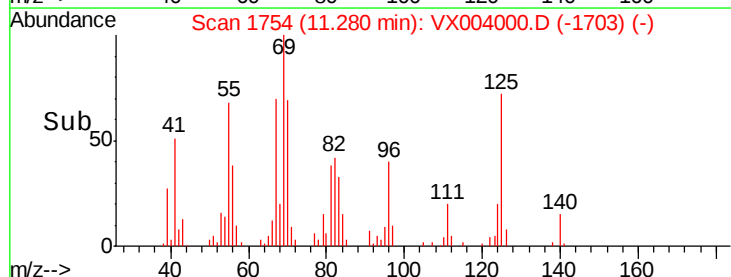
85 19.1 32.2 96.6#

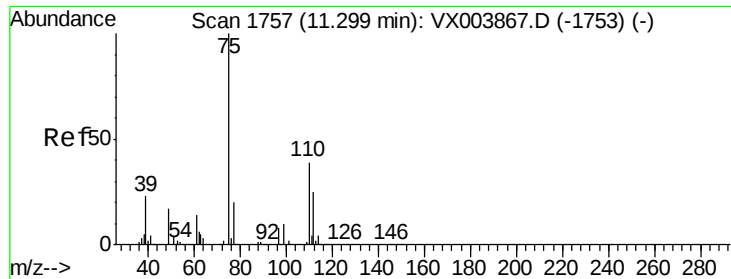


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

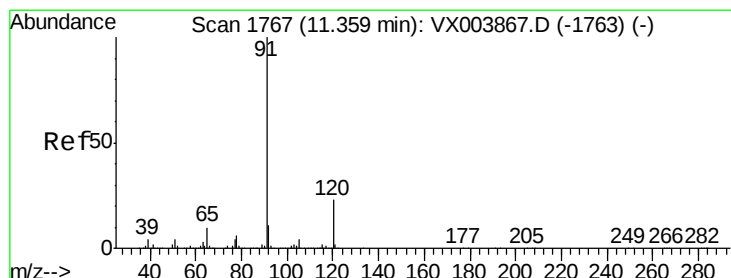
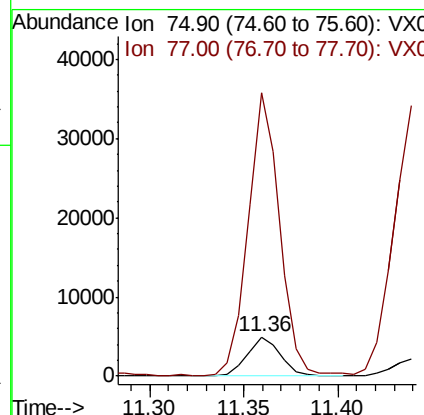
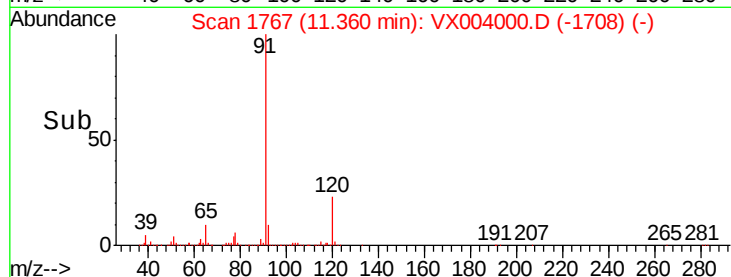
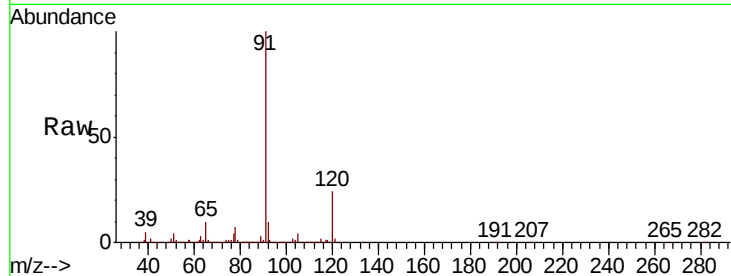




#76
 1,2,3-Trichloropropane
 Concen: 0.96 ug/l
 RT: 11.36 min Scan# 1767
 Delta R.T. 0.06 min
 Lab File: VX004000.D
 Acq: 13 Aug 2018 15:15

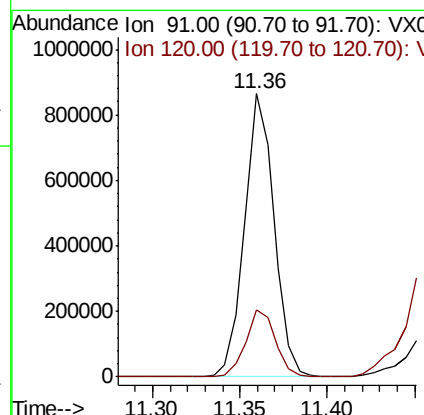
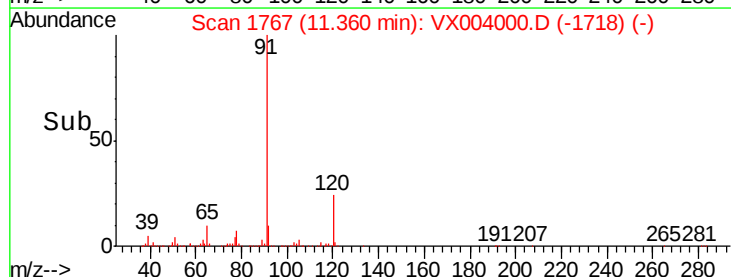
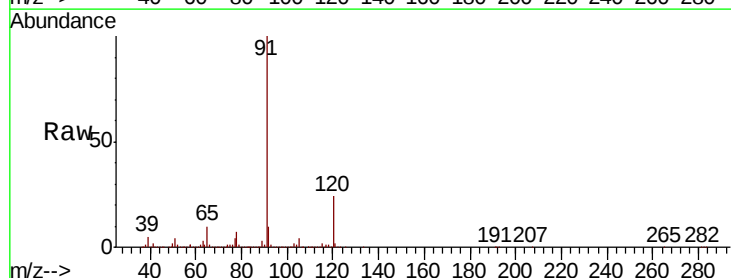
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0540

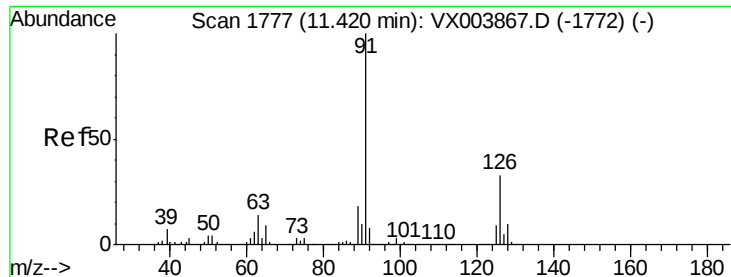
Tot Ion: 75 Resp: 6100
 Ion Ratio Lower Upper
 75 100
 77 671.1 20.8 62.5#



#78
 n-propylbenzene
 Concen: 42.61 ug/l
 RT: 11.36 min Scan# 1767
 Delta R.T. 0.00 min
 Lab File: VX004000.D
 Acq: 13 Aug 2018 15:15

Tgt Ion: 91 Resp: 1016014
 Ion Ratio Lower Upper
 91 100
 120 23.9 11.9 35.5

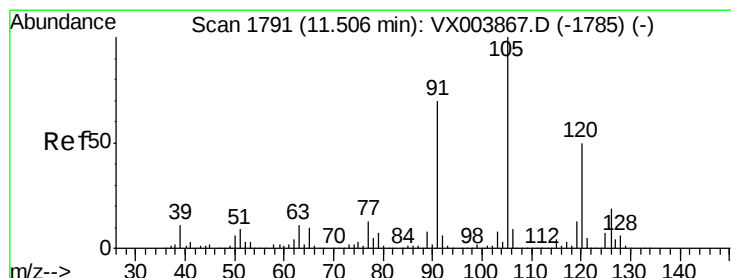
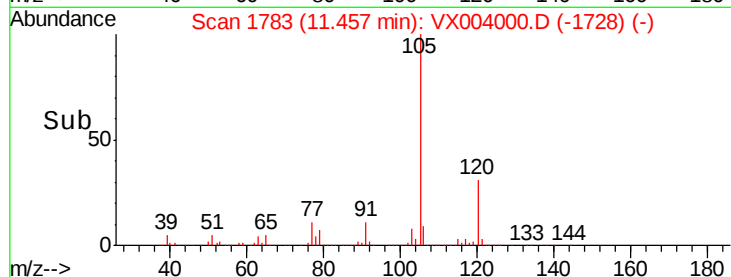
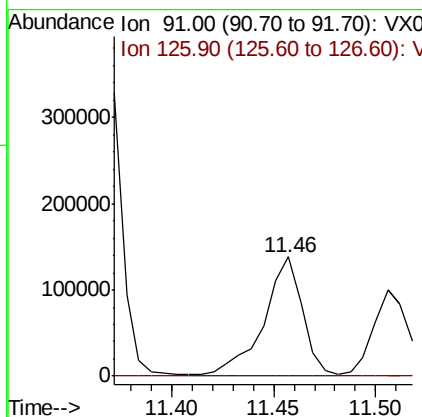
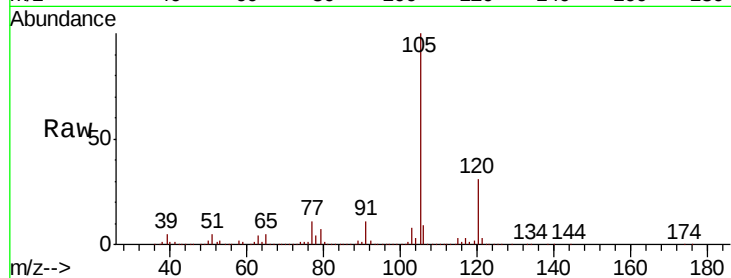




#79
 2-Chlorotoluene
 Concen: 12.70 ug/l
 RT: 11.46 min Scan# 1783
 Delta R.T. 0.04 min
 Lab File: VX004000.D
 Acq: 13 Aug 2018 15:15

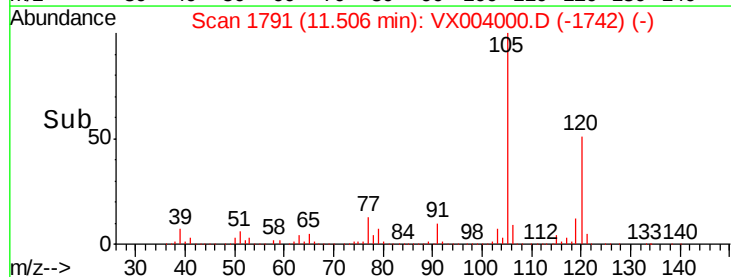
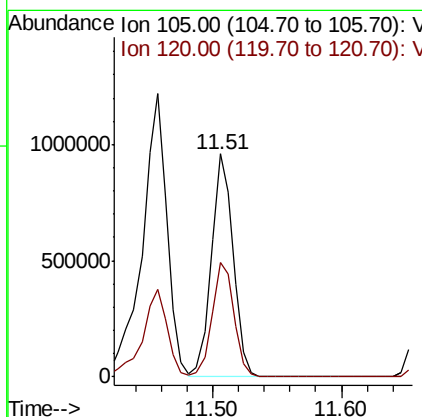
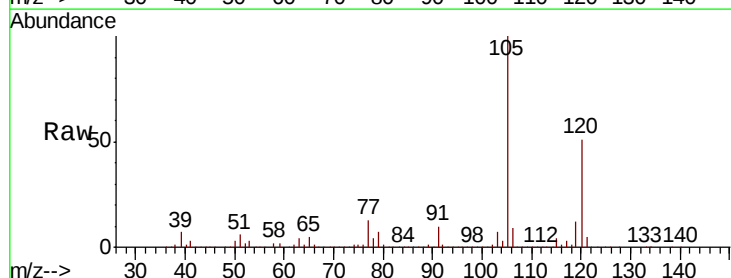
Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0540

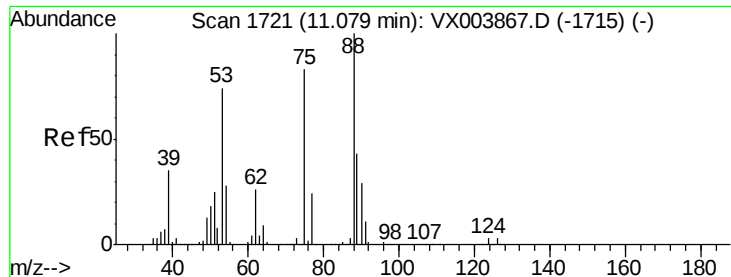
Tot Ion: 91 Resp: 184574
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.4 52.3#



#80
 1,3,5-Trimethylbenzene
 Concen: 65.63 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX004000.D
 Acq: 13 Aug 2018 15:15

Tgt Ion:105 Resp: 1136324
 Ion Ratio Lower Upper
 105 100
 120 51.9 25.4 76.2





#81

trans-1,4-Dichloro-2-butene

Concen: 60.56 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX004000.D

Acq: 13 Aug 2018 15:15

Instrument :

MSVOA_X

ClientSampleId :

FL-0540

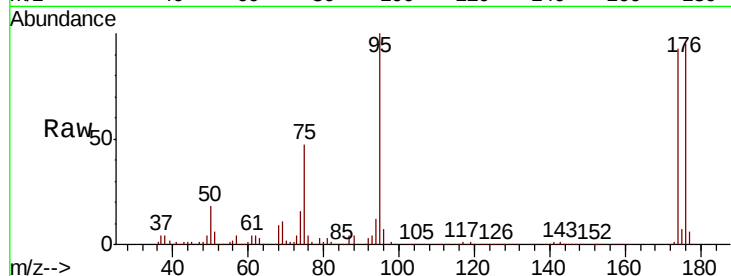
Tot Ion: 75 Resp: 125983

Ion Ratio Lower Upper

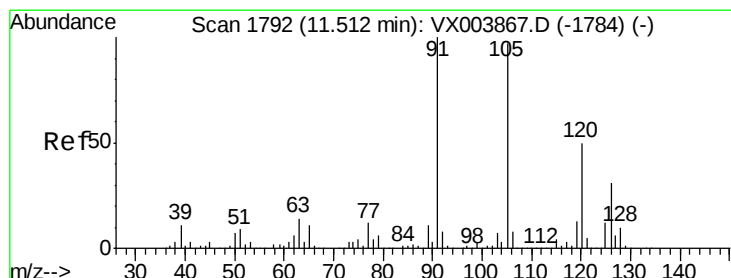
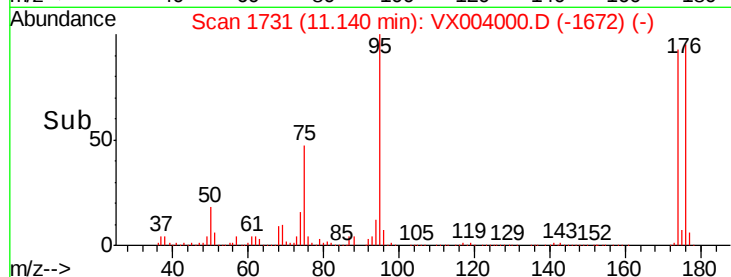
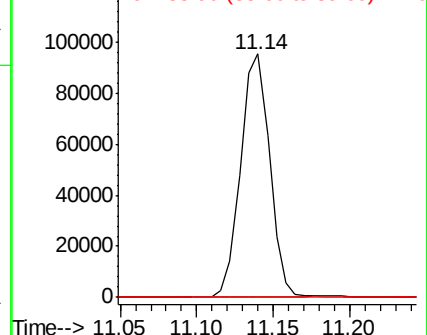
75 100

53 0.2 80.3 120.5#

89 0.0 37.8 56.8#



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: 6.99 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX004000.D

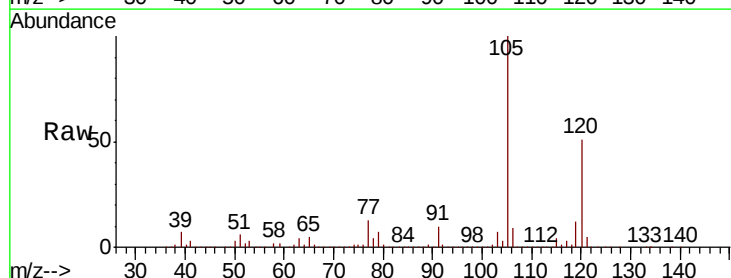
Acq: 13 Aug 2018 15:15

Tgt Ion: 91 Resp: 118991

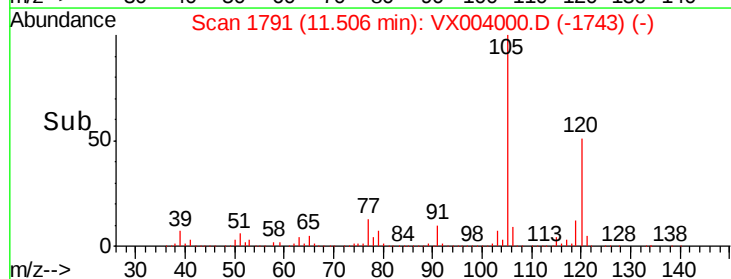
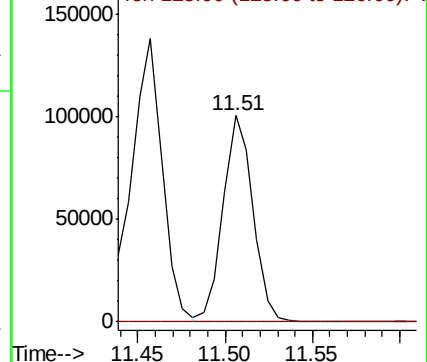
Ion Ratio Lower Upper

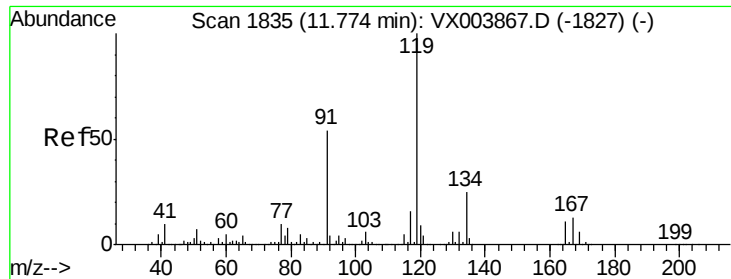
91 100

126 0.2 15.6 46.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

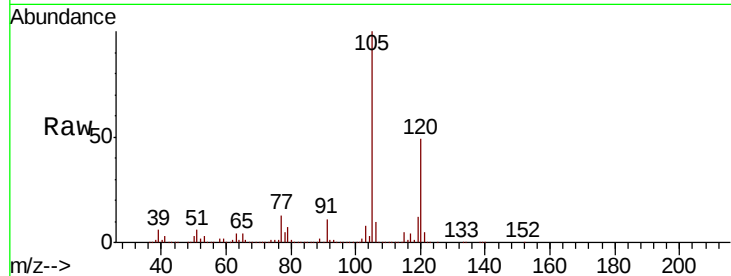




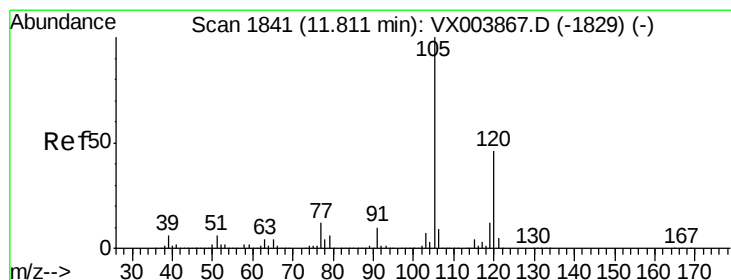
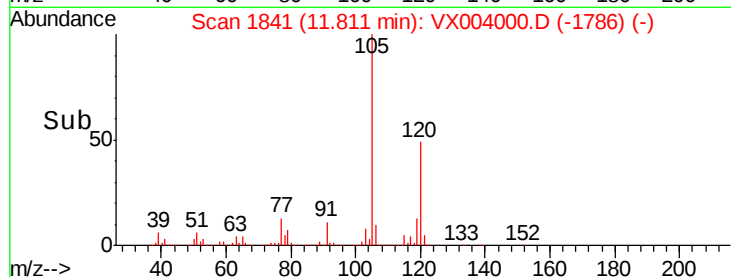
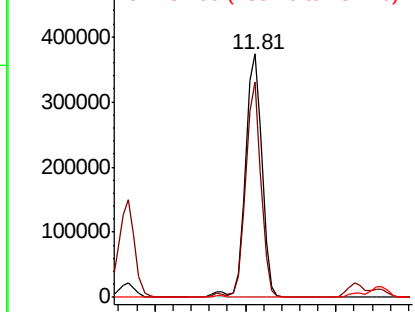
#83
 tert-Butylbenzene
 Concen: 27.75 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.04 min
 Lab File: VX004000.D
 Acq: 13 Aug 2018 15:15

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0540

Tot Ion:119 Resp: 472783
 Ion Ratio Lower Upper
 119 100
 91 81.4 26.9 80.7#
 134 0.0 12.0 36.0#

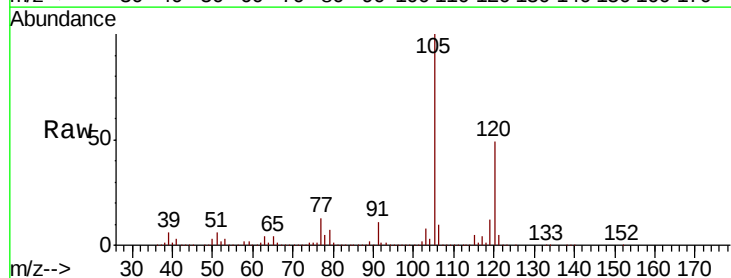


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VX0
 Ion 134.00 (133.70 to 134.70): V

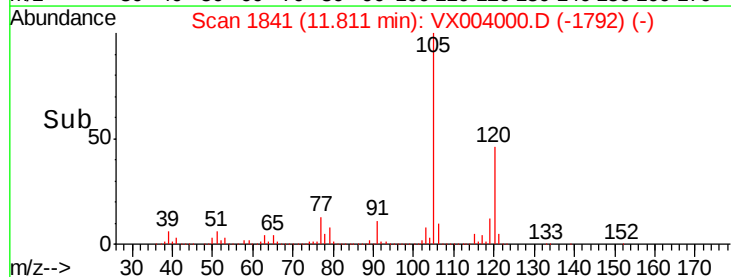
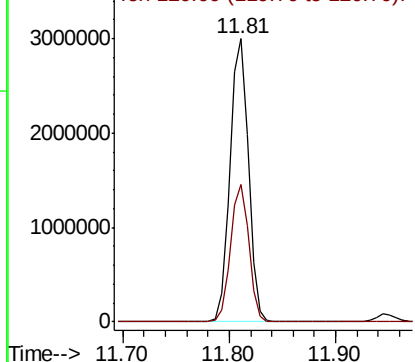


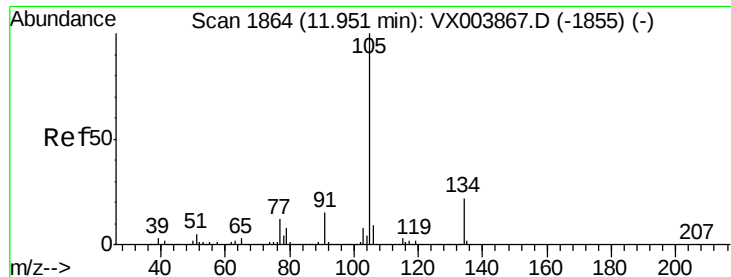
#84
 1,2,4-Trimethylbenzene
 Concen: 210.01 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX004000.D
 Acq: 13 Aug 2018 15:15

Tgt Ion:105 Resp: 3656360
 Ion Ratio Lower Upper
 105 100
 120 48.3 23.1 69.2



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





#85

sec-Butylbenzene

Concen: 181.88 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.14 min

Lab File: VX004000.D

Acq: 13 Aug 2018 15:15

Instrument :

MSVOA_X

ClientSampleId :

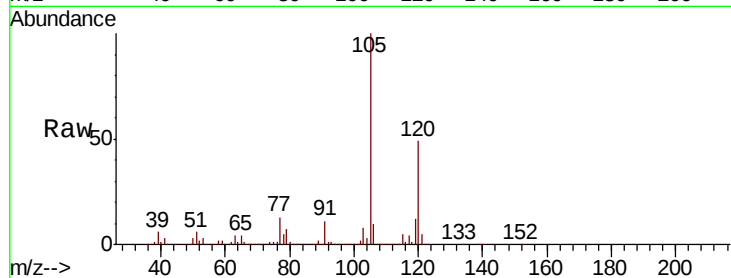
FL-0540

Tot Ion:105 Resp: 3656360

Ion Ratio Lower Upper

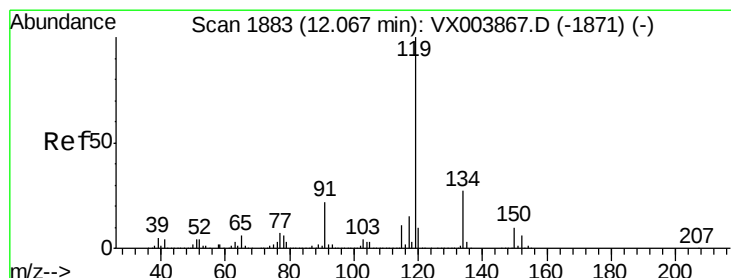
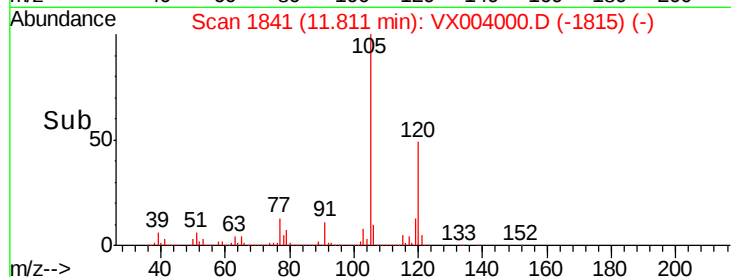
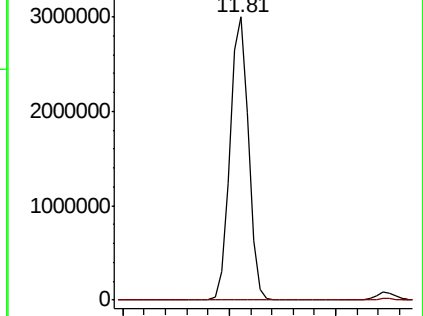
105 100

134 0.0 10.3 30.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 6.29 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX004000.D

Acq: 13 Aug 2018 15:15

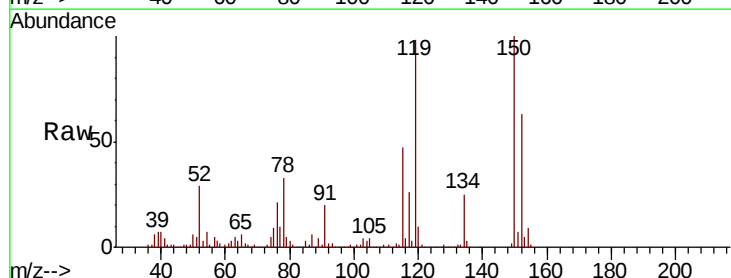
Tgt Ion:119 Resp: 113534

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

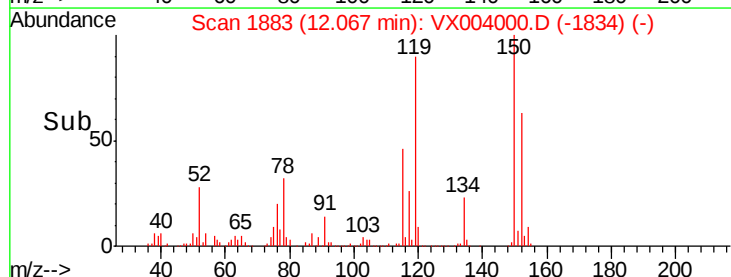
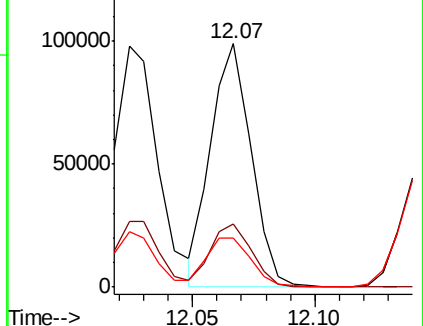
91 21.9 10.9 32.7

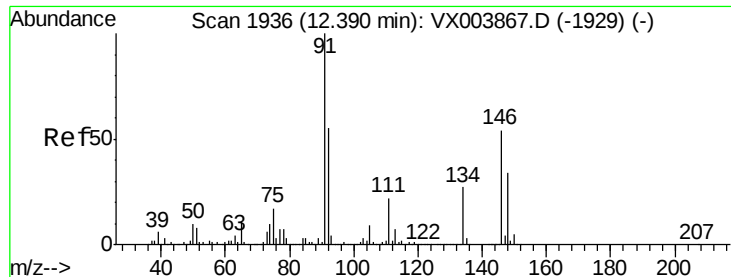


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#89

n-Butylbenzene

Concen: 7.64 ug/l

RT: 12.38 min Scan# 1935

Delta R.T. -0.01 min

Lab File: VX004000.D

Acq: 13 Aug 2018 15:15

Instrument :

MSVOA_X

ClientSampled :

FL-0540

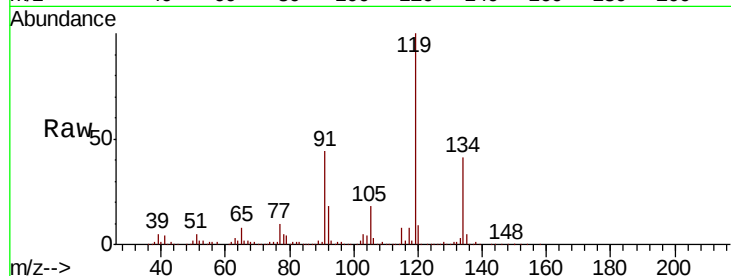
Tot Ion: 91 Resp: 120108

Ion Ratio Lower Upper

91 100

92 32.7 27.1 81.3

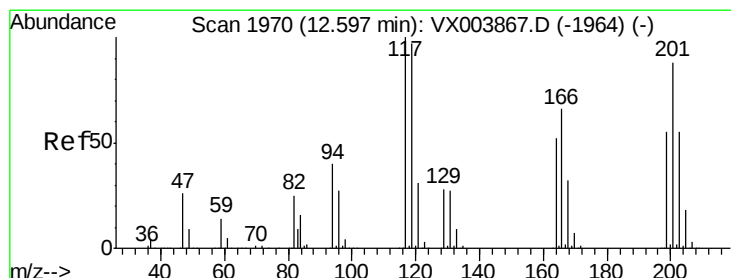
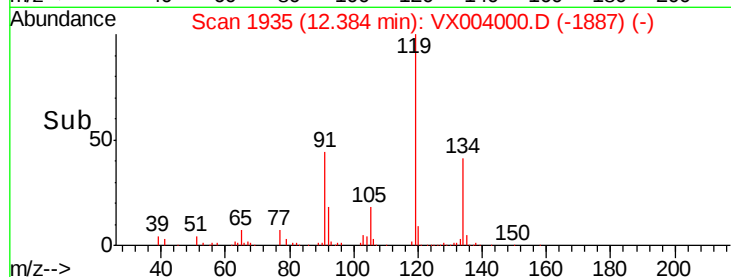
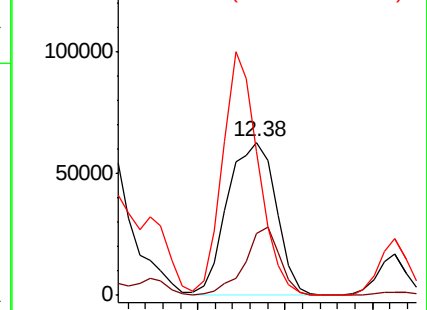
134 118.1 13.6 40.7#



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: 8.62 ug/l

RT: 12.58 min Scan# 1968

Delta R.T. -0.01 min

Lab File: VX004000.D

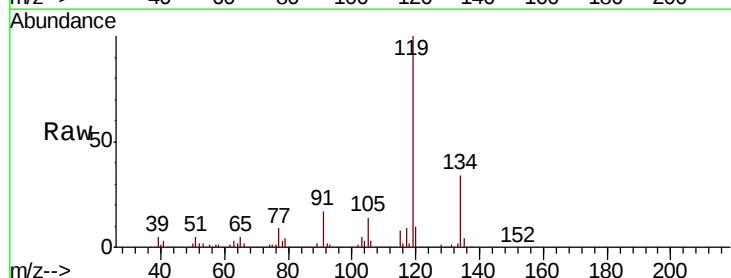
Acq: 13 Aug 2018 15:15

Tgt Ion: 117 Resp: 25257

Ion Ratio Lower Upper

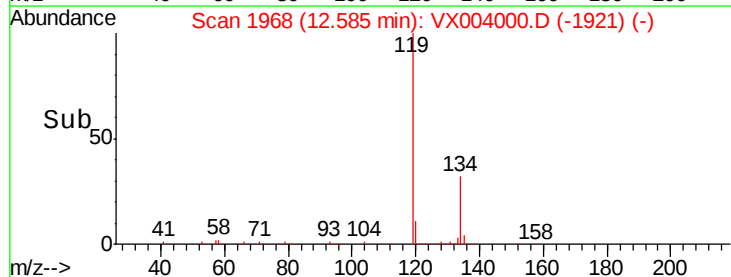
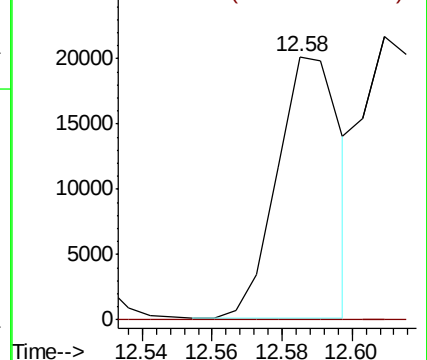
117 100

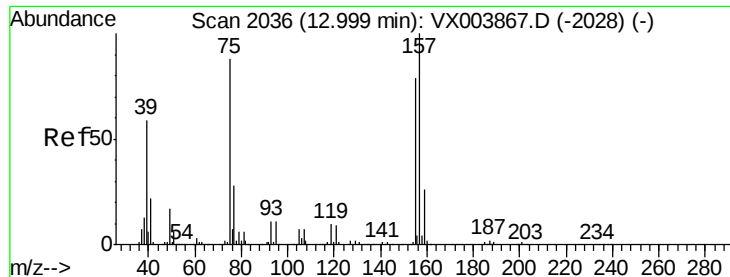
201 0.0 46.1 138.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

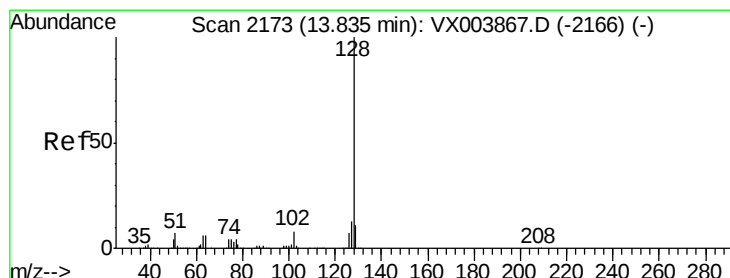
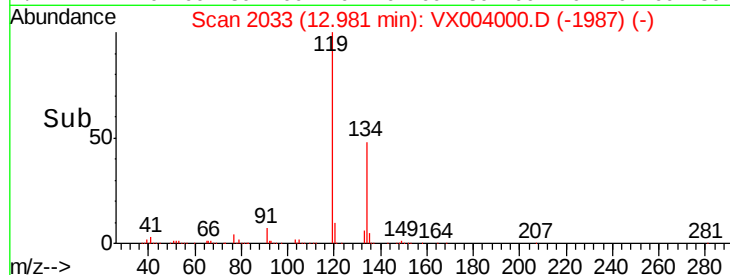
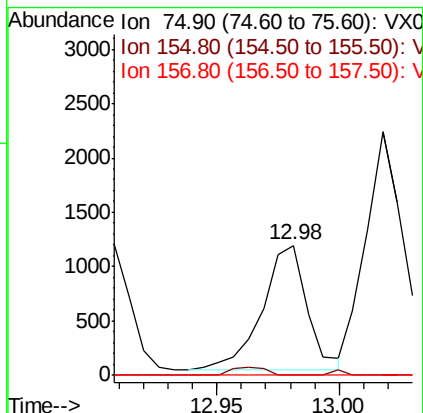
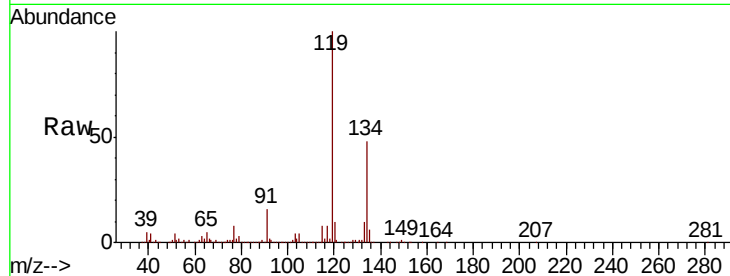




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.97 ug/l
 RT: 12.98 min Scan# 2033
 Delta R.T. -0.02 min
 Lab File: VX004000.D
 Acq: 13 Aug 2018 15:15

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0540

Tot Ion: 75 Resp: 1445
 Ion Ratio Lower Upper
 75 100
 155 1.4 48.7 146.1#
 157 0.0 62.6 187.8#



#95
 Naphthalene
 Concen: 17.88 ug/l
 RT: 13.83 min Scan# 2173
 Delta R.T. 0.00 min
 Lab File: VX004000.D
 Acq: 13 Aug 2018 15:15

Tgt Ion: 128 Resp: 382350
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.2 15.2
 129 11.5 8.8 13.2

