

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080818\
 Data File : VX003937.D
 Acq On : 08 Aug 2018 21:18
 Operator : JC/MD
 Sample : J4387-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0558

Quant Time: Aug 09 03:18:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	335235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	517623	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	490182	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	268586	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	215175	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
35) Dibromofluoromethane	5.51	113	183413	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	
50) Toluene-d8	8.72	98	736168	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
62) 4-Bromofluorobenzene	11.14	95	270209	54.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.52%	

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	4996	1.08	ug/l	# 78
5) Bromomethane	1.65	94	1044	Below	Cal	# 84
6) Chloroethane	1.93	64	1665	0.56	ug/l	# 81
13) Acrolein	2.39	56	4200	0.91	ug/l	# 66
14) Allyl chloride	2.62	41	1769	0.26	ug/l	# 59
15) Acrylonitrile	3.17	53	5190	2.04	ug/l	# 51
16) Acetone	2.45	43	7680	2.90	ug/l	# 91
17) Carbon Disulfide	2.57	76	1740	0.61	ug/l	# 99
18) Methyl Acetate	2.84	43	40068	6.96	ug/l	# 52
20) Methylene Chloride	2.86	84	791	Below	Cal	# 1
25) 2-Butanone	4.71	43	4603	1.16	ug/l	# 97
26) 2,2-Dichloropropane	4.40	77	4479	0.82	ug/l	# 51
31) Cyclohexane	5.57	56	604595	94.40	ug/l	# 98
36) 1,1-Dichloropropene	5.67	75	22349	3.85	ug/l	# 49
37) Ethyl Acetate	4.71	43	4603	0.72	ug/l	# 71
38) Carbon Tetrachloride	5.67	117	29463	5.34	ug/l	# 14
39) Methylcyclohexane	7.46	83	1512041	221.21	ug/l	# 98
43) Isopropyl Acetate	6.45	43	13112	1.37	ug/l	# 62
45) 1,2-Dichloropropane	7.46	63	12788	2.84	ug/l	# 1
47) Bromodichloromethane	7.85	83	2549	0.46	ug/l	# 62
48) Methyl methacrylate	7.73	41	70480	14.45	ug/l	# 46
51) 4-Methyl-2-Pentanone	8.66	43	12676	1.59	ug/l	# 39
52) Toluene	8.79	92	155338	14.12	ug/l	# 100
55) 1,1,2-Trichloroethane	9.16	97	68120	15.16	ug/l	# 19
56) Ethyl methacrylate	9.16	69	15304	2.35	ug/l	# 3
59) 2-Hexanone	9.45	43	8217	1.38	ug/l	# 27
67) Ethyl Benzene	10.26	91	9064318	434.14	ug/l	# 91
68) m/p-Xylenes	10.37	106	7825018	959.15	ug/l	# 76
69) o-Xylene	10.71	106	6038562	784.10	ug/l	# 87
70) Styrene	10.71	104	303557	24.07	ug/l	# 1
73) Isopropylbenzene	11.02	105	1484378	74.71	ug/l	# 95
74) N-amyl acetate	6.45	43	13112	1.27	ug/l	# 58
75) 1,1,2,2-Tetrachloroethane	11.28	83	3738	0.55	ug/l	# 47
76) 1,2,3-Trichloropropane	11.36	75	11477	1.93	ug/l	# 1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

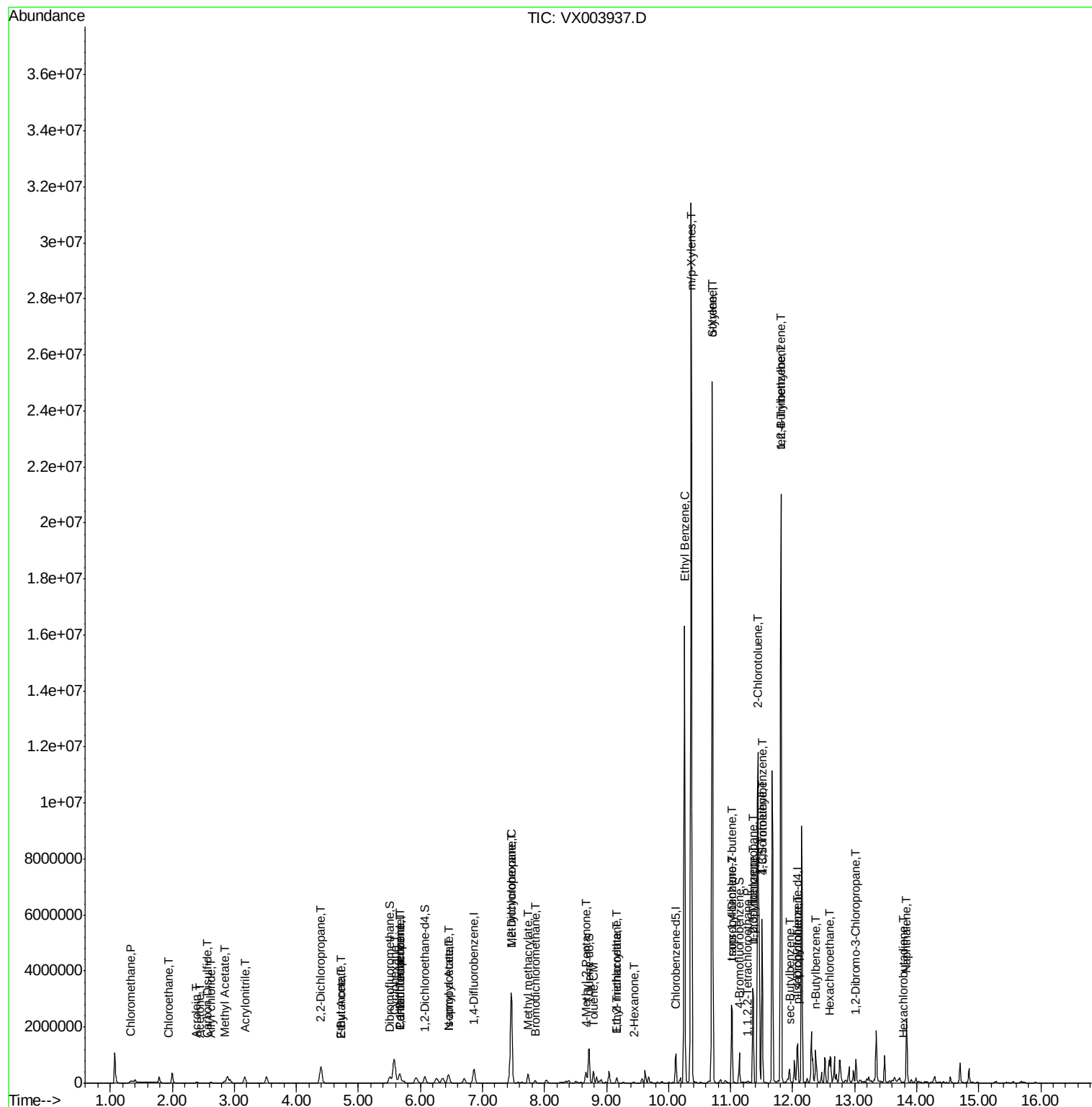
78) n-propylbenzene	11.36	91	2068735	92.72	ug/l	100
79) 2-Chlorotoluene	11.44	91	1082638	79.59	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.51	105	2623219	161.91	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.02	75	16143	9.29	ug/l #	66
82) 4-Chlorotoluene	11.51	91	262314	16.46	ug/l #	44
83) tert-Butylbenzene	11.81	119	1213727	76.15	ug/l #	60
84) 1,2,4-Trimethylbenzene	11.81	105	8484850	520.85	ug/l	91
85) sec-Butylbenzene	11.95	105	258395	13.74	ug/l	85
86) p-Isopropyltoluene	12.07	119	225337	13.35	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	577	Below	Cal #	1
89) n-Butylbenzene	12.38	91	167175	11.37	ug/l #	21
90) Hexachloroethane	12.59	117	32869	11.99	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	13.02	75	2542	1.82	ug/l #	1
94) Hexachlorobutadiene	13.79	225	196	0.49	ug/l #	58
95) Naphthalene	13.83	128	1424811	71.22	ug/l	100

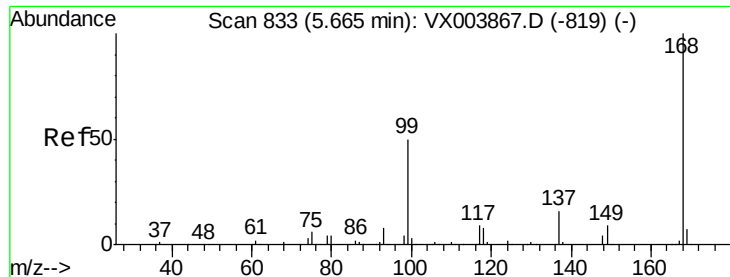
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX003937.D

Acq: 08 Aug 2018 21:18

Instrument :

MSVOA_X

ClientSampled :

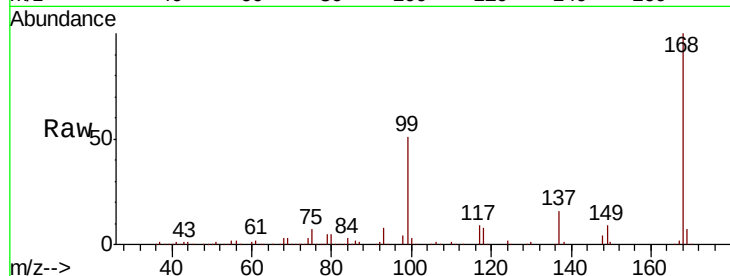
FL-0558

Tot Ion:168 Resp: 335235

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

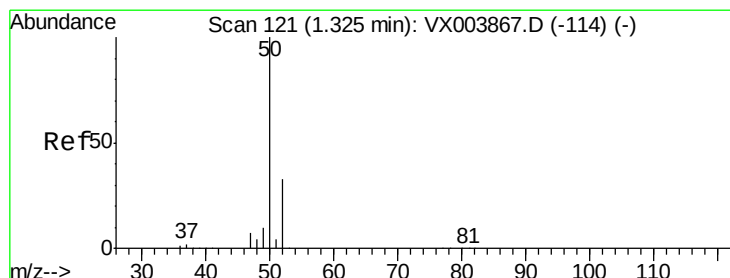
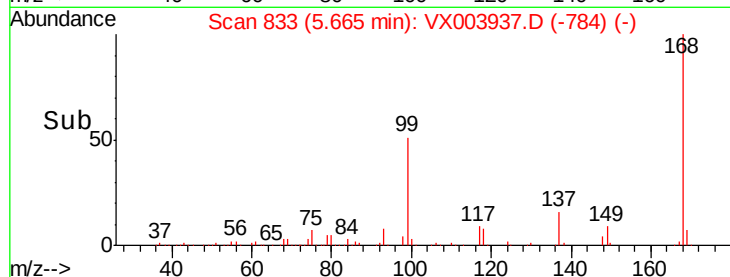
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 1.08 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003937.D

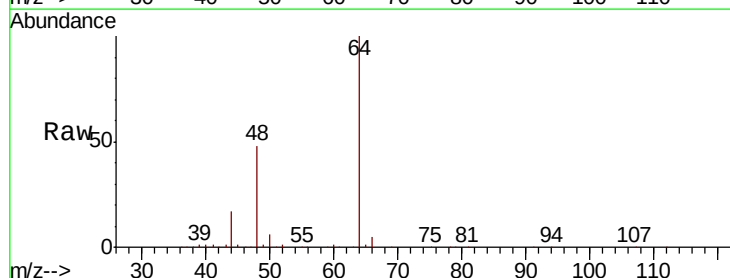
Acq: 08 Aug 2018 21:18

Tgt Ion: 50 Resp: 4996

Ion Ratio Lower Upper

50 100

52 20.7 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

2500

2000

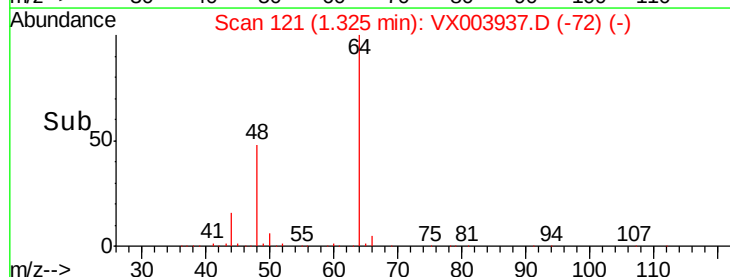
1500

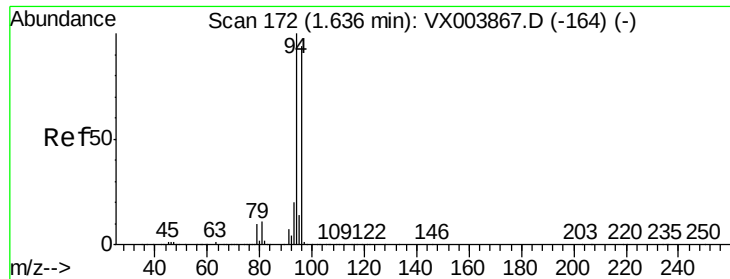
1000

500

0

Time--> 1.25 1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003937.D

Acq: 08 Aug 2018 21:18

Instrument :

MSVOA_X

ClientSampled :

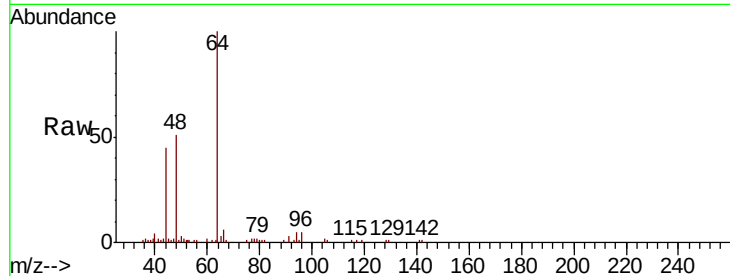
FL-0558

Tot Ion: 94 Resp: 1044

Ion Ratio Lower Upper

94 100

96 109.9 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

400

300

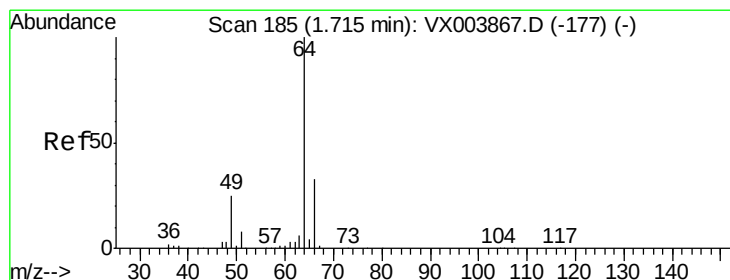
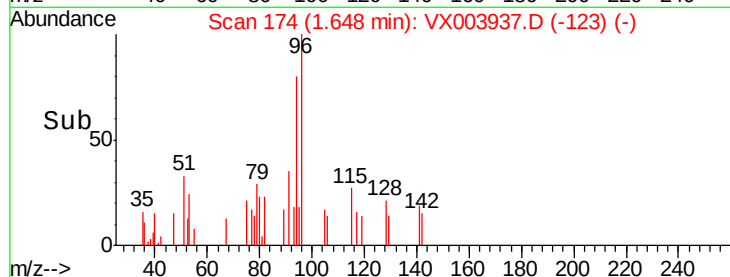
200

100

0

1.60 1.65 1.70 1.75

Time-->



#6

Chloroethane

Concen: 0.56 ug/l

RT: 1.93 min Scan# 221

Delta R.T. 0.22 min

Lab File: VX003937.D

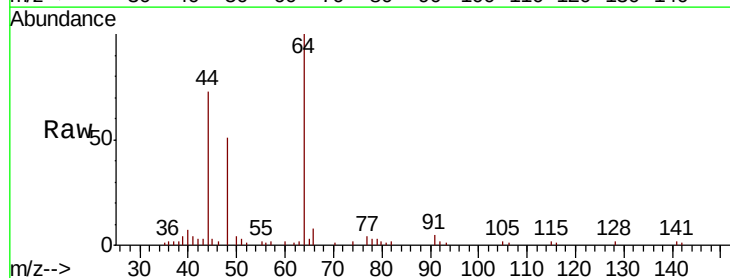
Acq: 08 Aug 2018 21:18

Tgt Ion: 64 Resp: 1665

Ion Ratio Lower Upper

64 100

66 22.6 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

5000

4000

3000

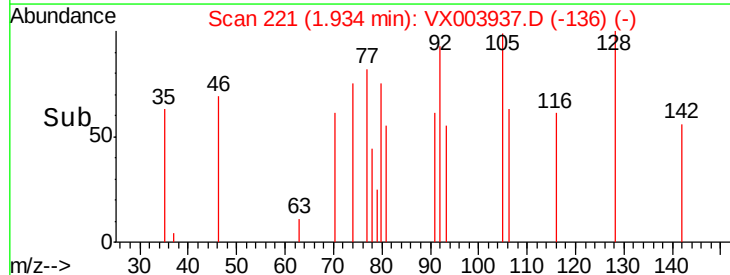
2000

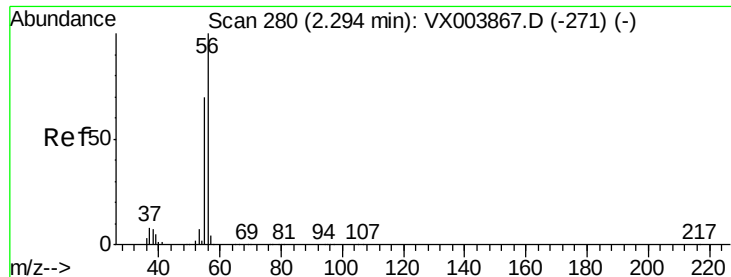
1000

0

1.90 1.95 2.00

Time-->





#13

Acrolein

Concen: 0.91 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.10 min

Lab File: VX003937.D

Acq: 08 Aug 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

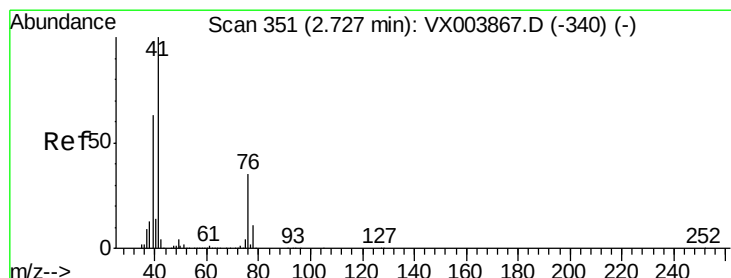
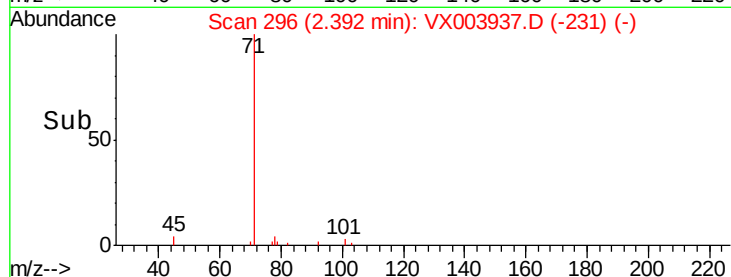
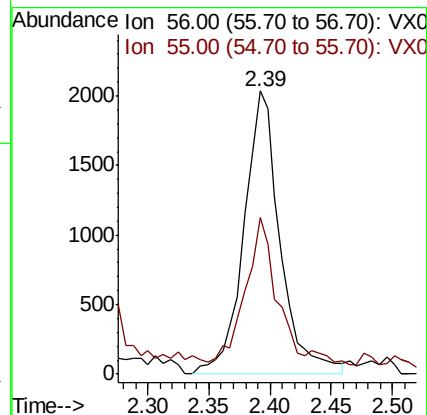
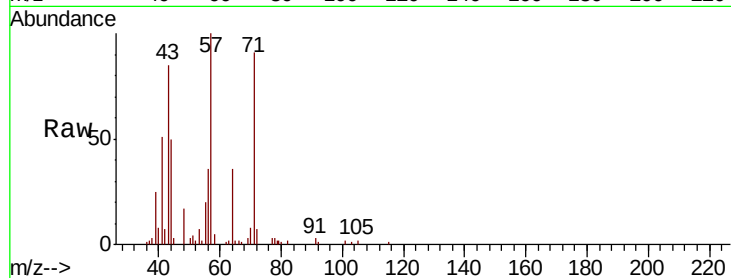
FL-0558

Tot Ion: 56 Resp: 4200

Ion Ratio Lower Upper

56 100

55 41.8 56.1 84.1#



#14

Allyl chloride

Concen: 0.26 ug/l

RT: 2.62 min Scan# 333

Delta R.T. -0.11 min

Lab File: VX003937.D

Acq: 08 Aug 2018 21:18

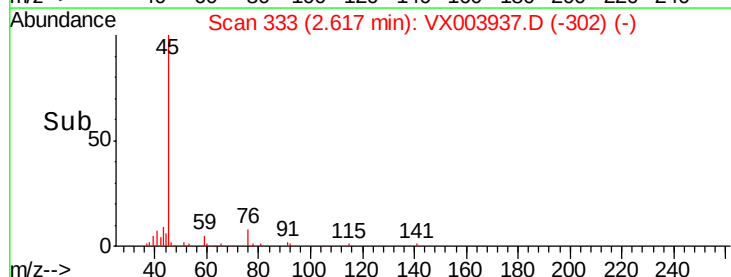
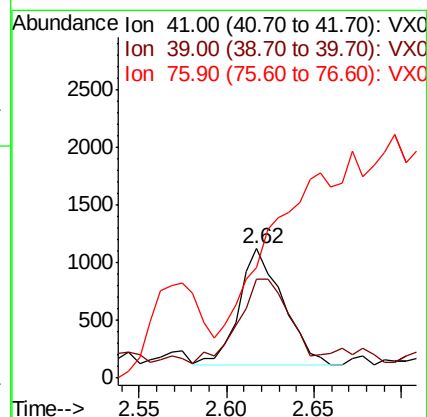
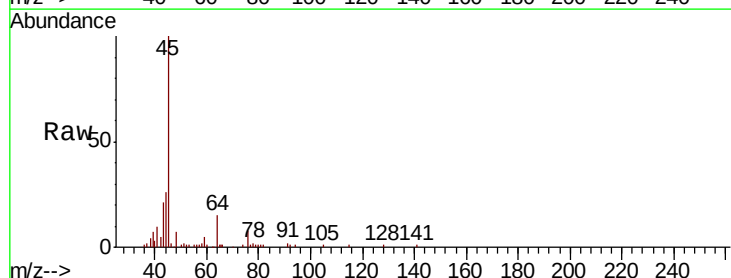
Tgt Ion: 41 Resp: 1769

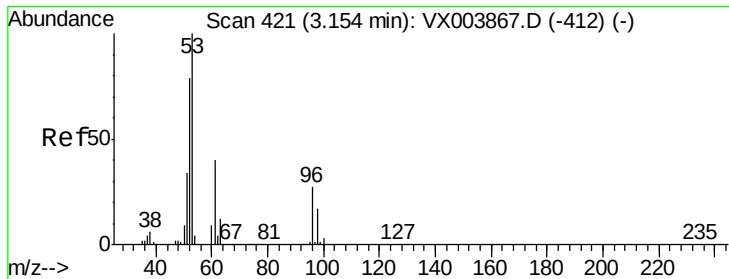
Ion Ratio Lower Upper

41 100

39 82.6 47.4 71.0#

76 0.0 26.0 39.0#





#15

Acrylonitrile

Concen: 2.04 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003937.D

Acq: 08 Aug 2018 21:18

Instrument :

MSVOA_X

ClientSampled :

FL-0558

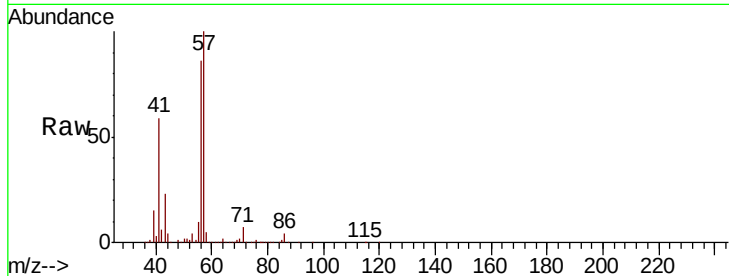
Tot Ion: 53 Resp: 5190

Ion Ratio Lower Upper

53 100

52 28.9 65.3 97.9#

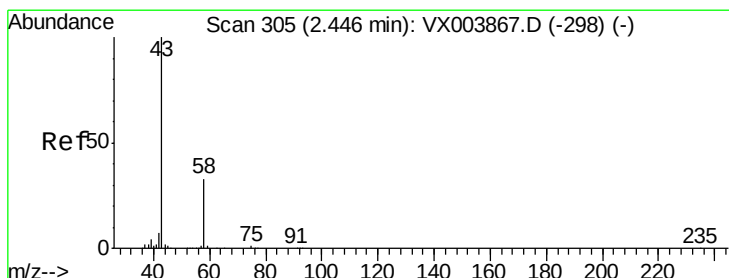
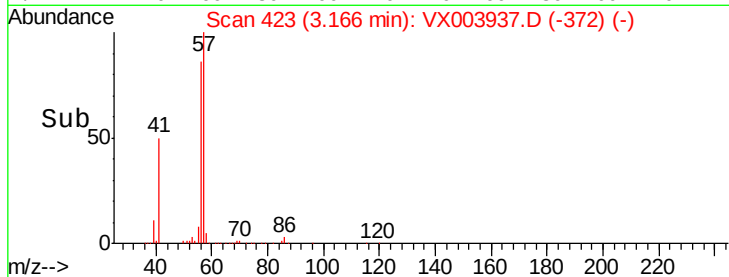
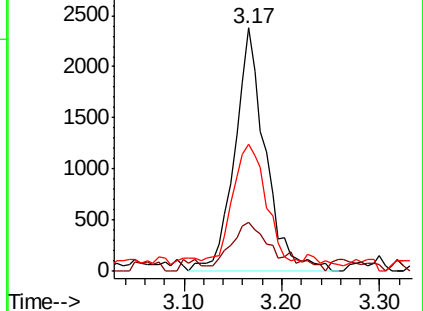
51 50.5 27.9 41.9#



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: 2.90 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003937.D

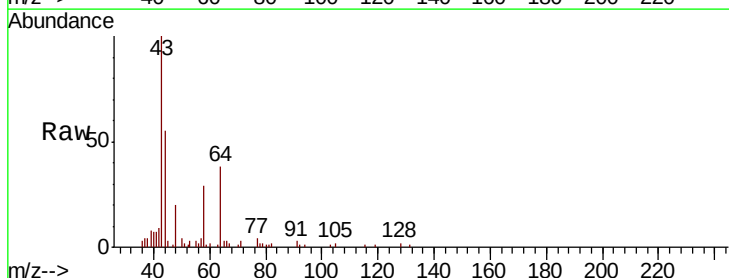
Acq: 08 Aug 2018 21:18

Tgt Ion: 43 Resp: 7680

Ion Ratio Lower Upper

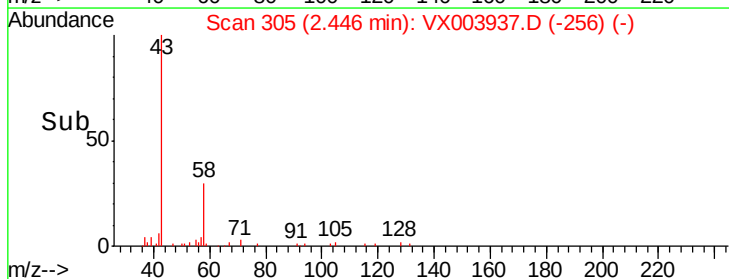
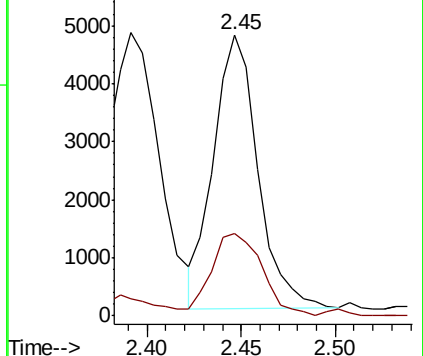
43 100

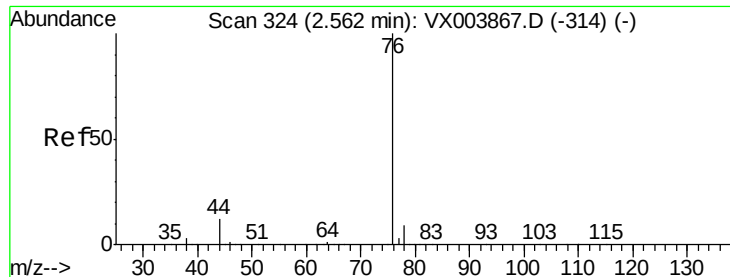
58 27.6 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.61 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX003937.D

Acq: 08 Aug 2018 21:18

Instrument :

MSVOA_X

ClientSampled :

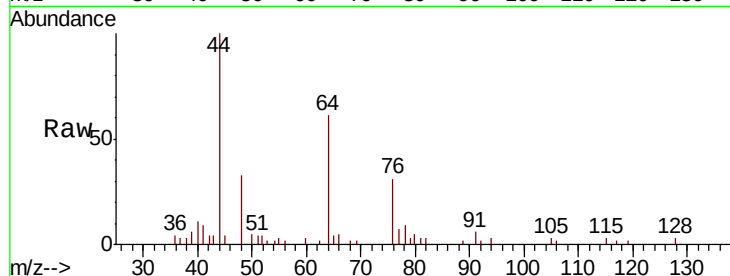
FL-0558

Tot Ion: 76 Resp: 1740

Ion Ratio Lower Upper

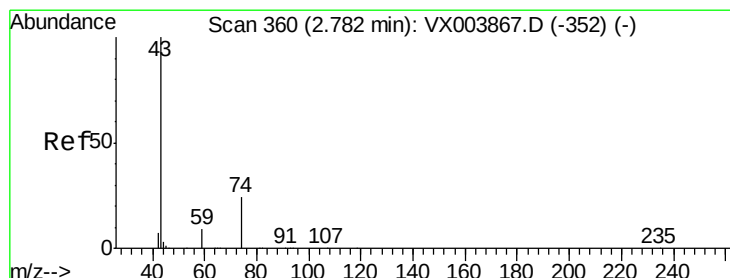
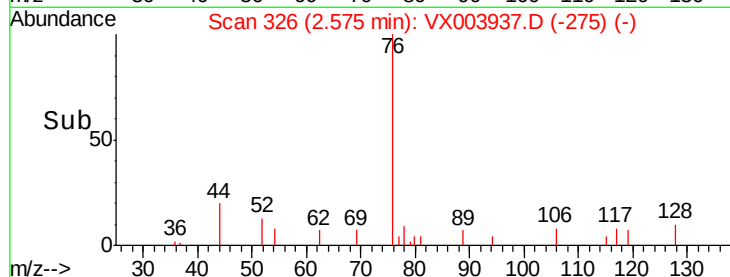
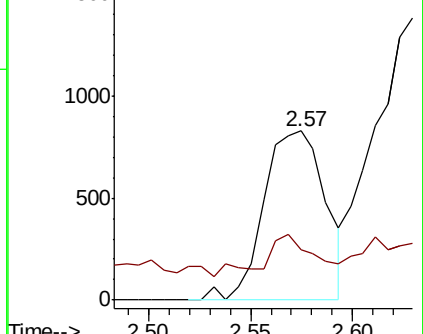
76 100

78 9.8 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 6.96 ug/l

RT: 2.84 min Scan# 370

Delta R.T. 0.06 min

Lab File: VX003937.D

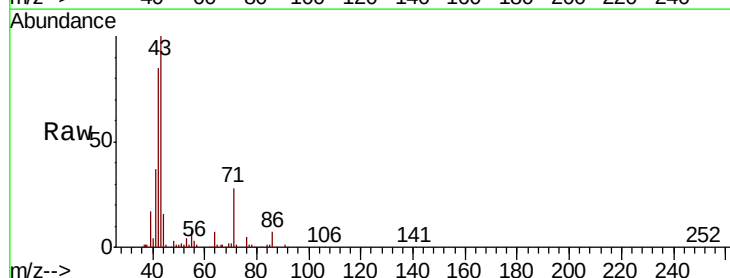
Acq: 08 Aug 2018 21:18

Tgt Ion: 43 Resp: 40068

Ion Ratio Lower Upper

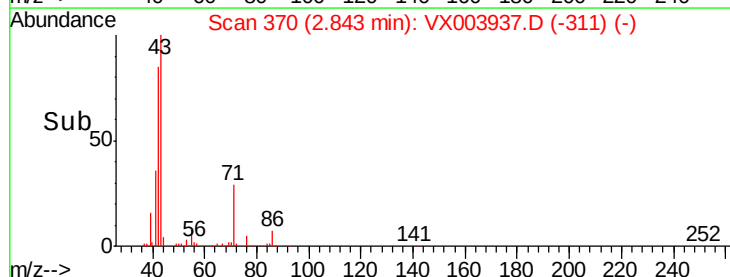
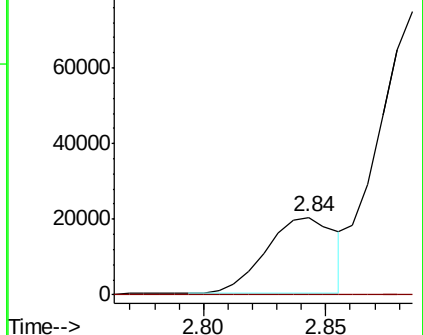
43 100

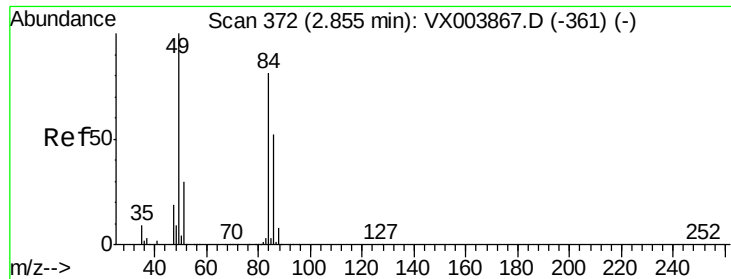
74 0.1 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

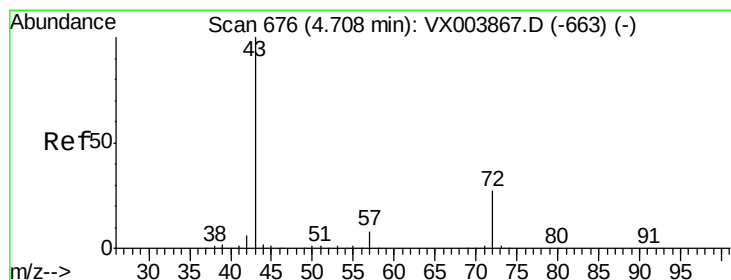
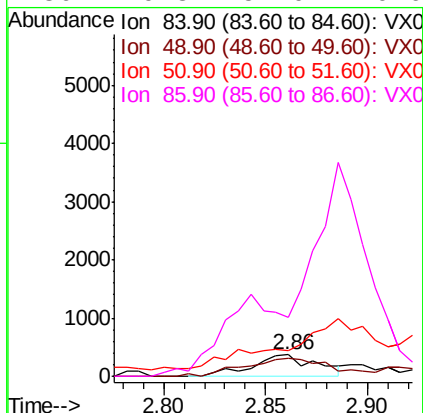
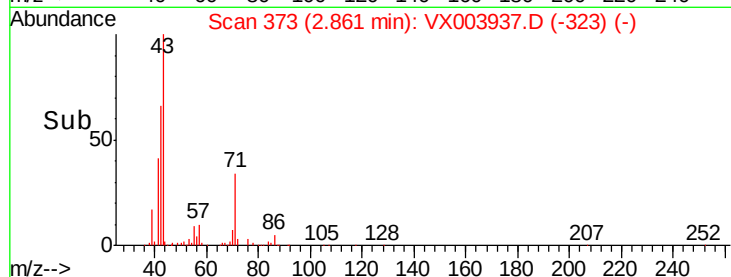
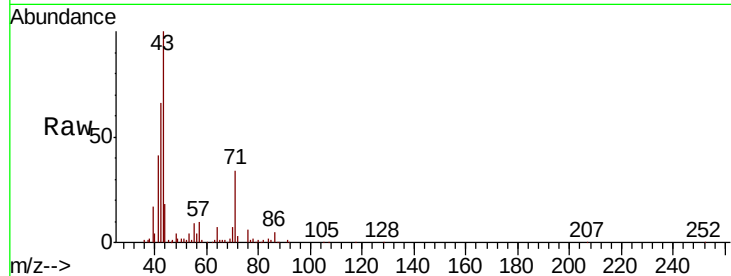




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003937.D
Acq: 08 Aug 2018 21:18

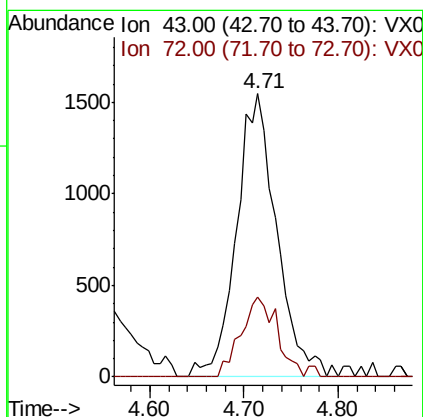
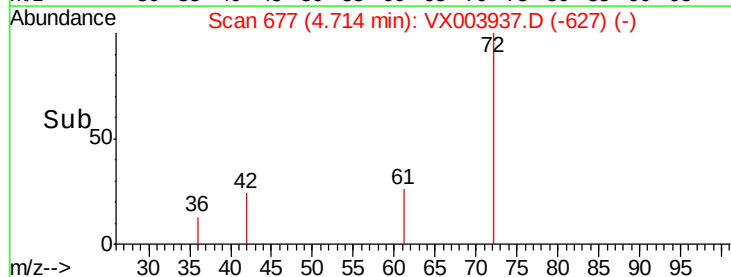
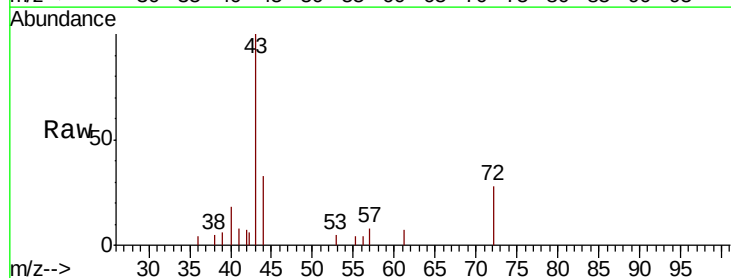
Instrument :
MSVOA_X
ClientSampled :
FL-0558

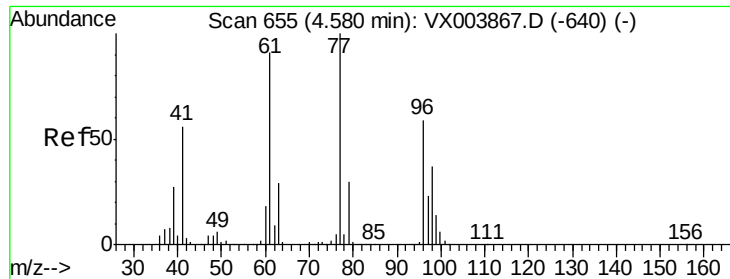
Tot Ion: 84 Resp: 791
Ion Ratio Lower Upper
84 100
49 68.1 98.9 148.3#
51 83.7 29.9 44.9#
86 249.3 51.0 76.6#



#25
2-Butanone
Concen: 1.16 ug/l
RT: 4.71 min Scan# 677
Delta R.T. 0.01 min
Lab File: VX003937.D
Acq: 08 Aug 2018 21:18

Tgt Ion: 43 Resp: 4603
Ion Ratio Lower Upper
43 100
72 28.3 21.4 32.0

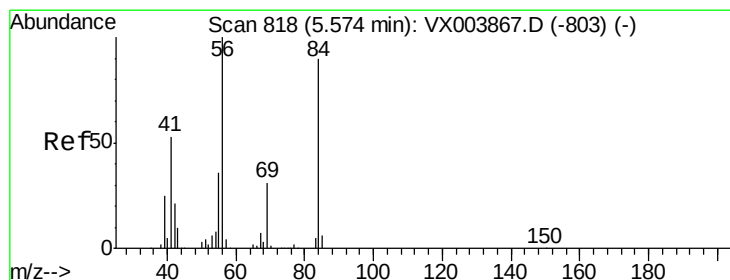
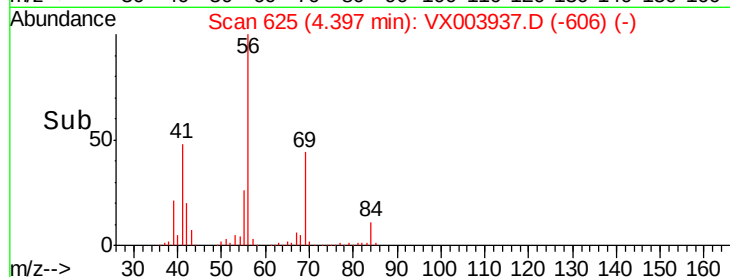
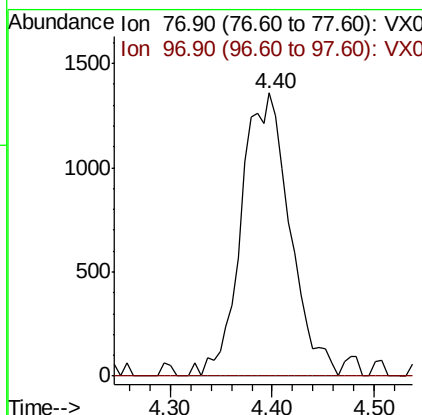
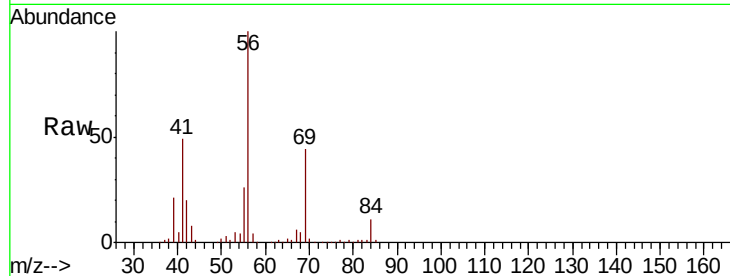




#26
 2,2-Dichloropropane
 Concen: 0.82 ug/l
 RT: 4.40 min Scan# 625
 Delta R.T. -0.18 min
 Lab File: VX003937.D
 Acq: 08 Aug 2018 21:18

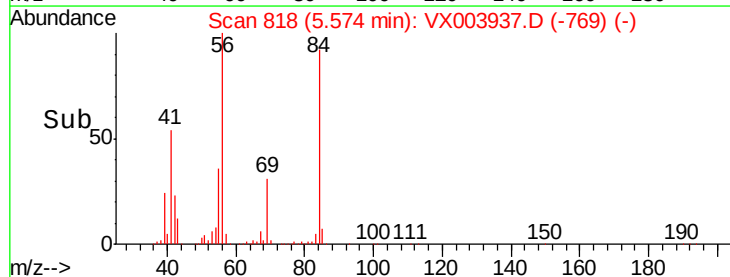
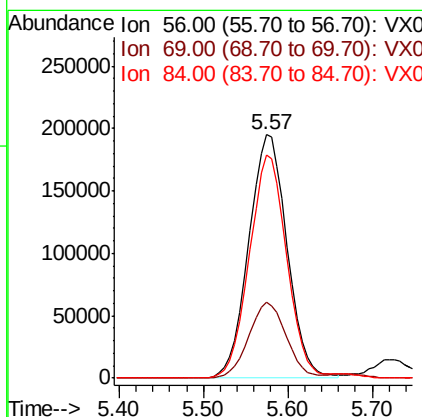
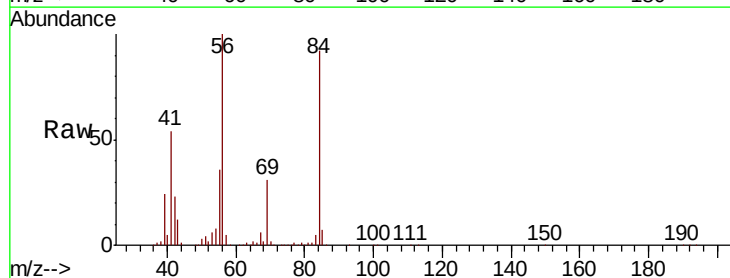
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0558

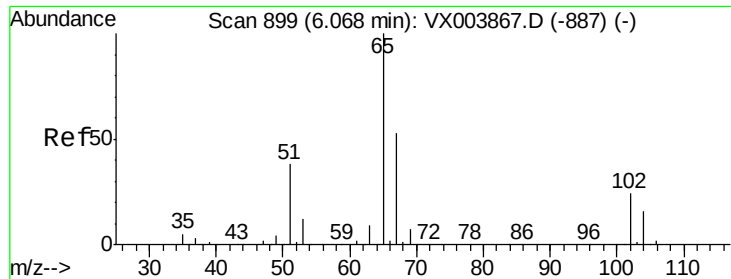
Tot Ion: 77 Resp: 4479
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.9 35.9#



#31
 Cyclohexane
 Concen: 94.40 ug/l
 RT: 5.57 min Scan# 818
 Delta R.T. 0.00 min
 Lab File: VX003937.D
 Acq: 08 Aug 2018 21:18

Tgt Ion: 56 Resp: 604595
 Ion Ratio Lower Upper
 56 100
 69 31.0 24.9 37.3
 84 91.7 71.7 107.5

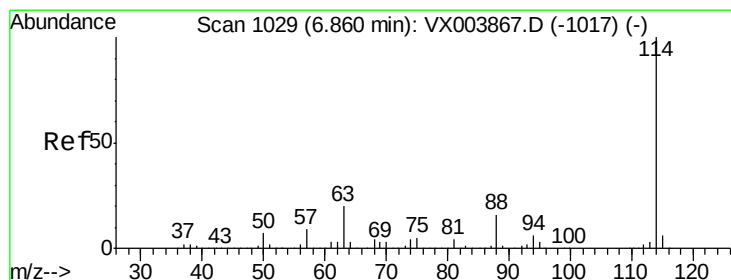
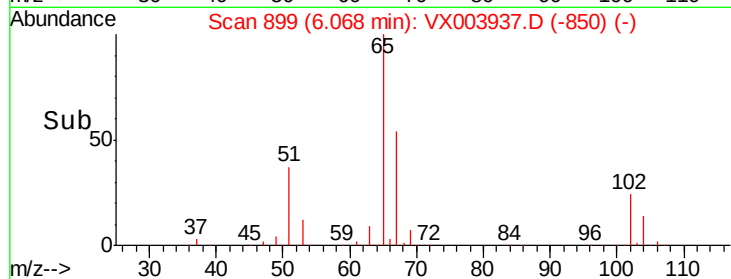
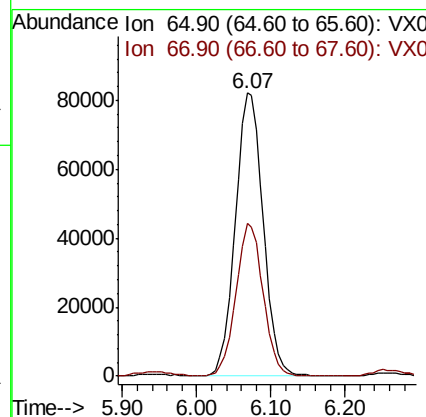
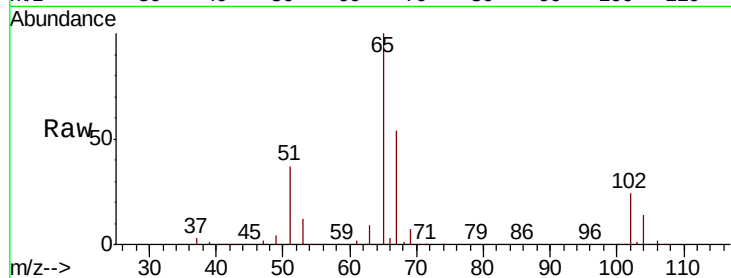




#33
 1,2-Dichloroethane-d4
 Concen: 48.42 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003937.D
 Acq: 08 Aug 2018 21:18

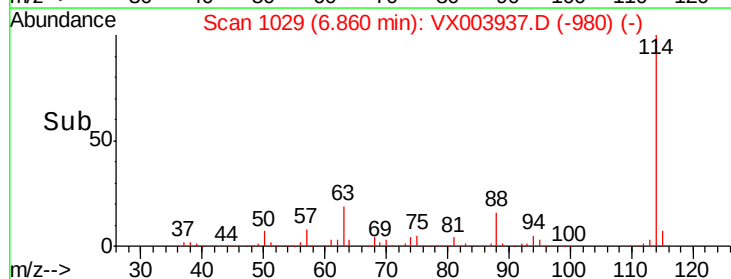
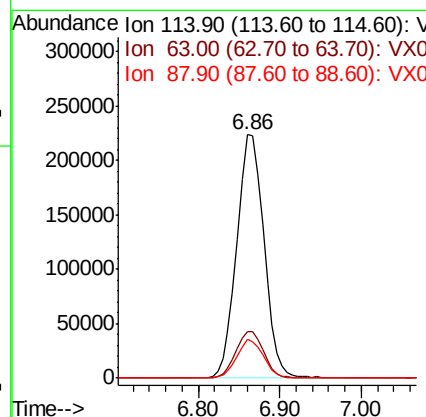
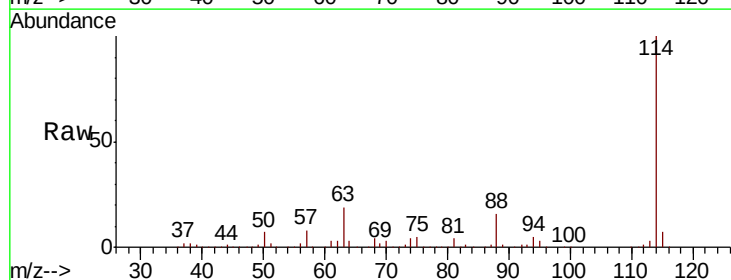
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0558

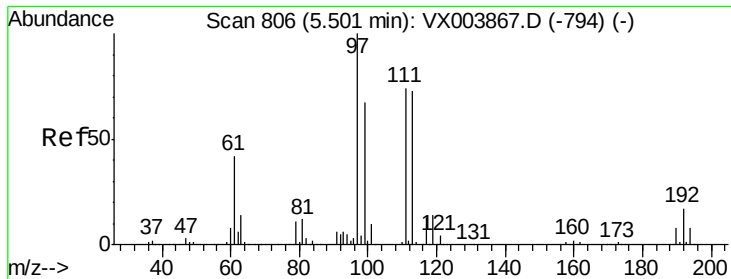
Tot Ion: 65 Resp: 215175
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX003937.D
 Acq: 08 Aug 2018 21:18

Tgt Ion: 114 Resp: 517623
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.0
 88 16.0 0.0 32.0

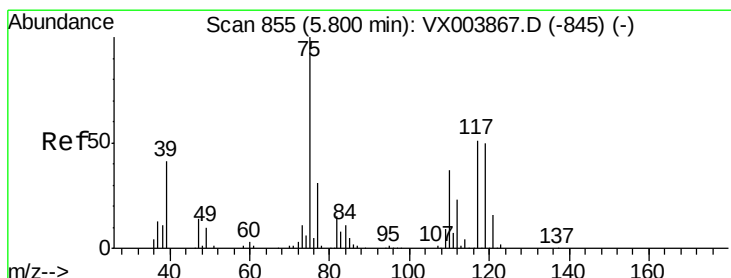
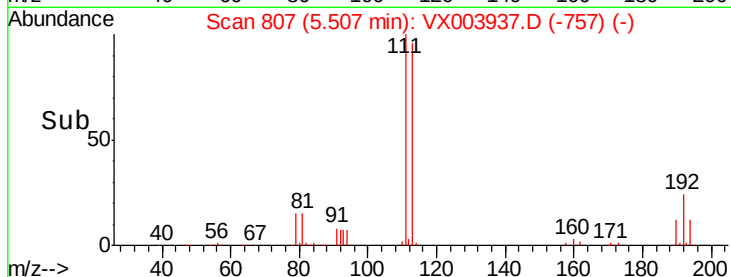
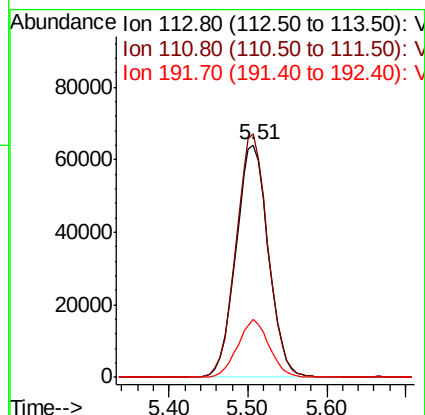
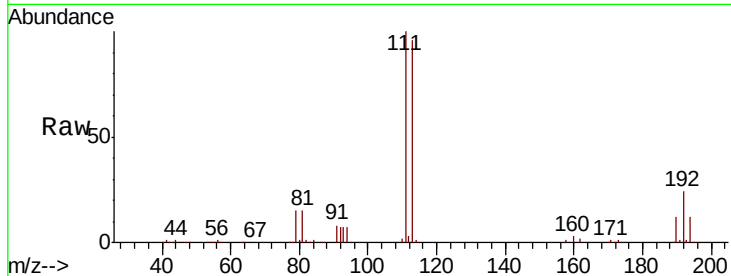




#35
 Dibromofluoromethane
 Concen: 46.77 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX003937.D
 Acq: 08 Aug 2018 21:18

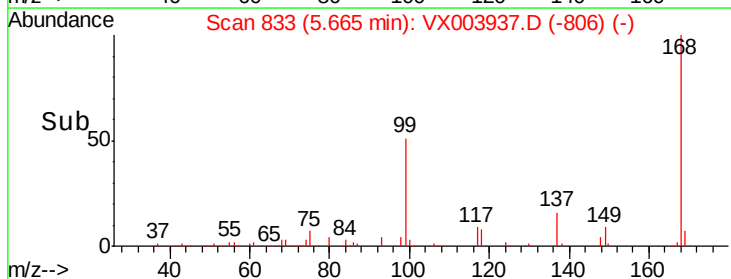
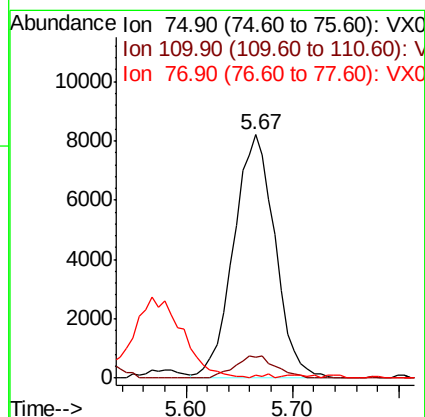
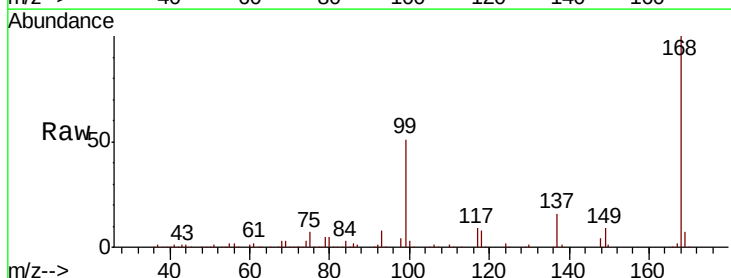
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0558

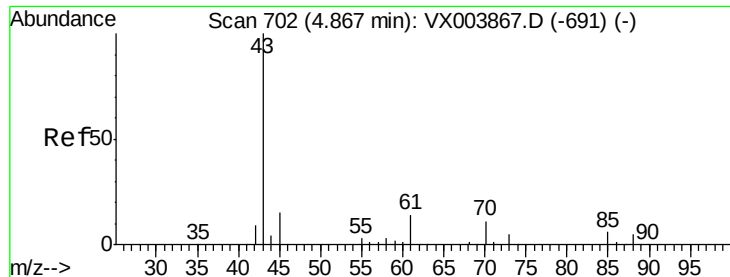
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.0	123.0
192	24.0	19.0	28.4



#36
 1,1-Dichloropropene
 Concen: 3.85 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003937.D
 Acq: 08 Aug 2018 21:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.2	54.6#
77	0.0	25.0	37.4#





#37

Ethyl Acetate

Concen: 0.72 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.15 min

Lab File: VX003937.D

Acq: 08 Aug 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

FL-0558

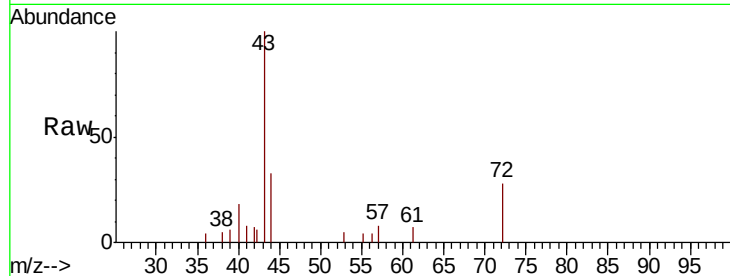
Tot Ion: 43 Resp: 4603

Ion Ratio Lower Upper

43 100

61 3.0 11.5 17.3#

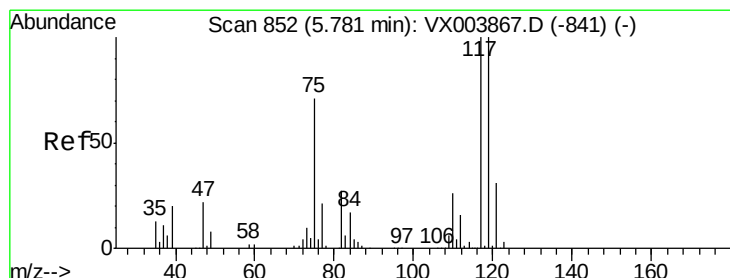
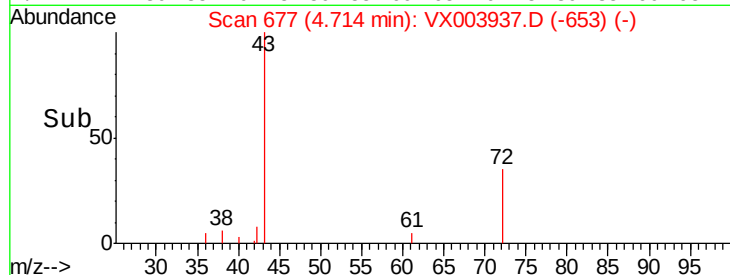
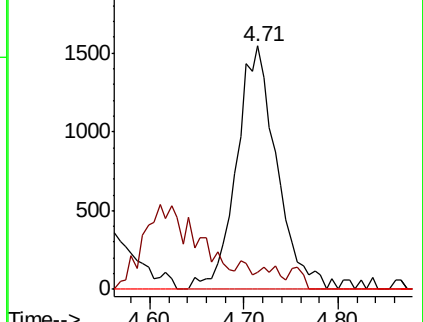
70 0.0 9.0 13.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 5.34 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003937.D

Acq: 08 Aug 2018 21:18

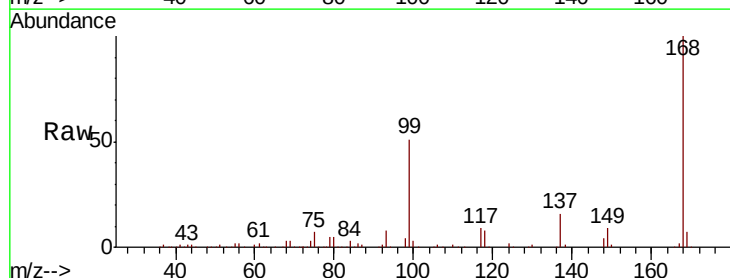
Tgt Ion: 117 Resp: 29463

Ion Ratio Lower Upper

117 100

119 5.0 79.5 119.3#

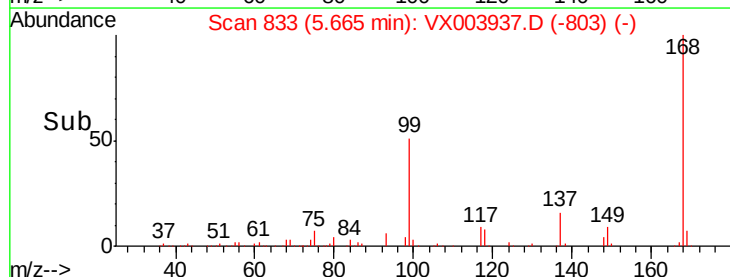
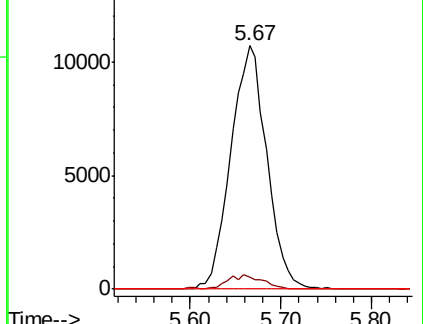
121 0.0 25.0 37.4#

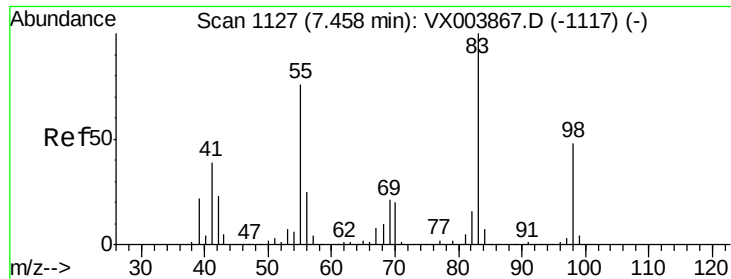


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

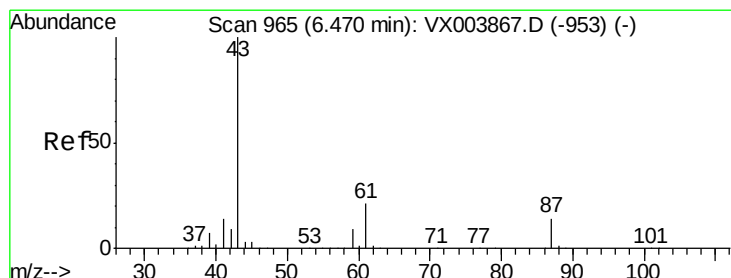
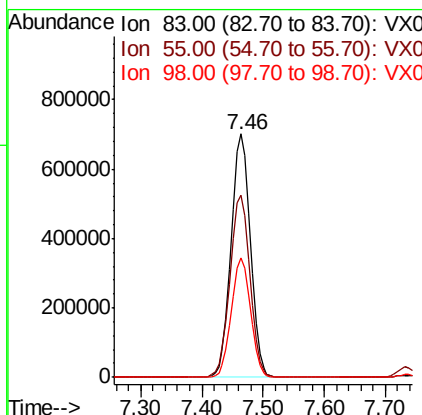
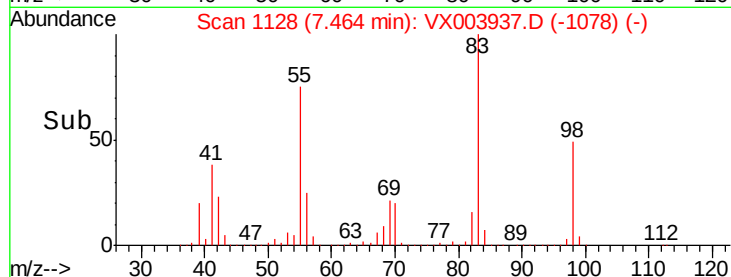
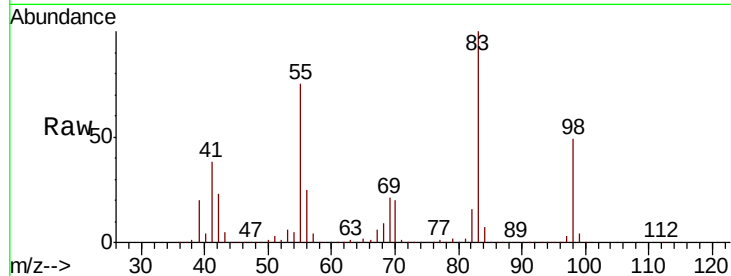




#39
Methylcyclohexane
Concen: 221.21 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX003937.D
Acq: 08 Aug 2018 21:18

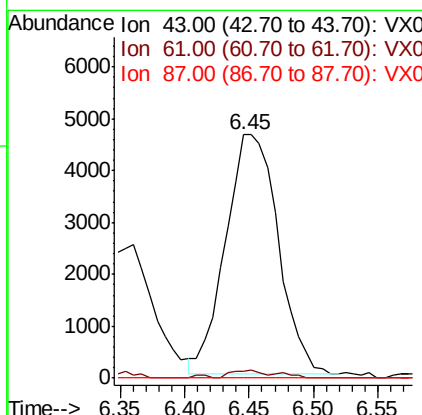
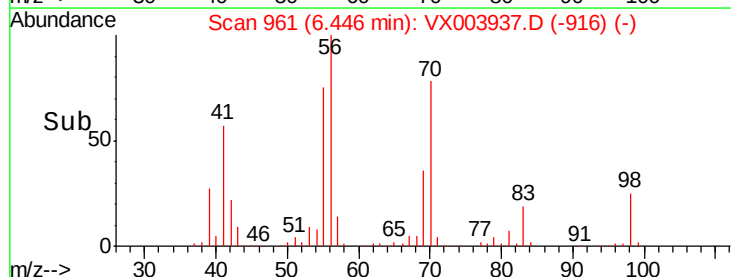
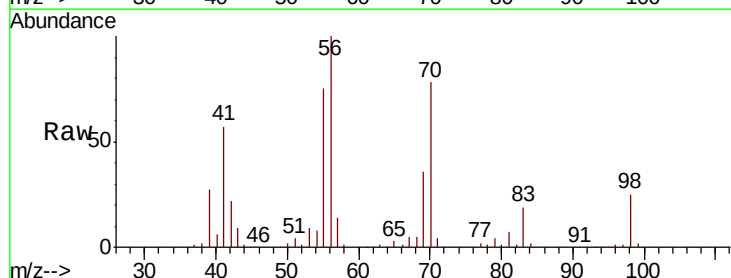
Instrument :
MSVOA_X
ClientSampleId :
FL-0558

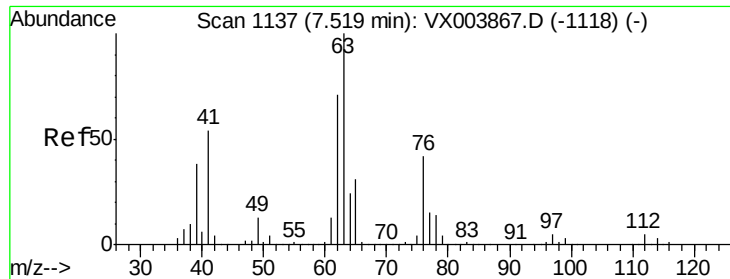
Tot Ion: 83 Resp: 1512041
Ion Ratio Lower Upper
83 100
55 74.7 61.0 91.6
98 48.9 38.6 57.8



#43
Isopropyl Acetate
Concen: 1.37 ug/l
RT: 6.45 min Scan# 961
Delta R.T. -0.02 min
Lab File: VX003937.D
Acq: 08 Aug 2018 21:18

Tgt Ion: 43 Resp: 13112
Ion Ratio Lower Upper
43 100
61 1.9 16.9 25.3#
87 0.0 11.3 16.9#





#45

1,2-Dichloropropane

Concen: 2.84 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. -0.05 min

Lab File: VX003937.D

Acq: 08 Aug 2018 21:18

Instrument :

MSVOA_X

ClientSampled :

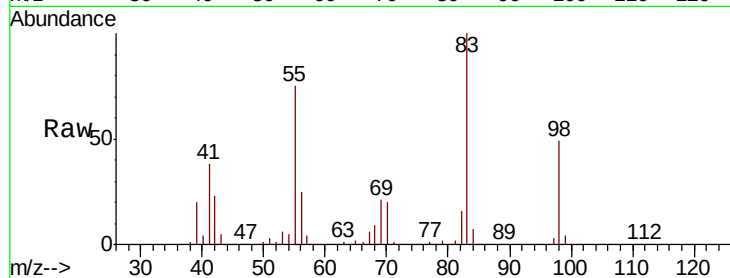
FL-0558

Tot Ion: 63 Resp: 12788

Ion Ratio Lower Upper

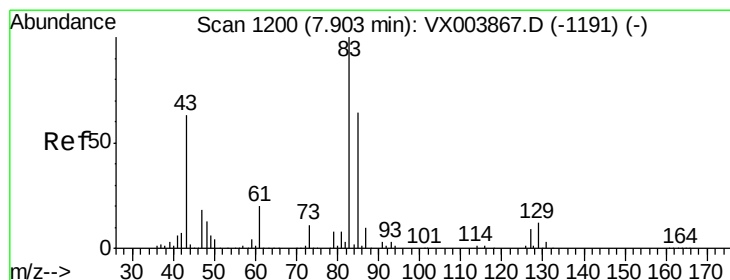
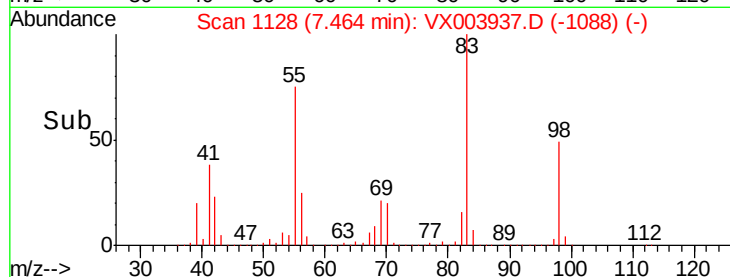
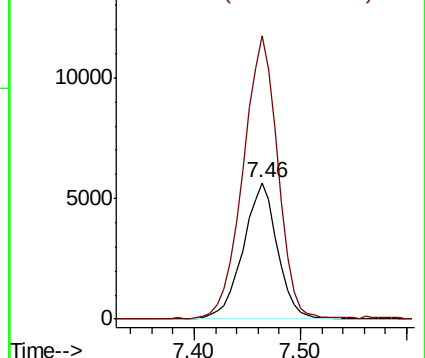
63 100

65 207.6 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: 0.46 ug/l

RT: 7.85 min Scan# 1191

Delta R.T. -0.05 min

Lab File: VX003937.D

Acq: 08 Aug 2018 21:18

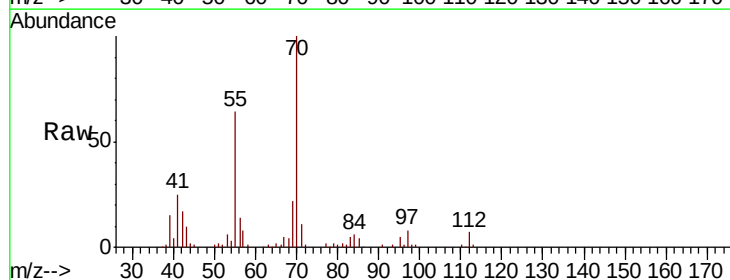
Tgt Ion: 83 Resp: 2549

Ion Ratio Lower Upper

83 100

85 95.2 51.2 76.8#

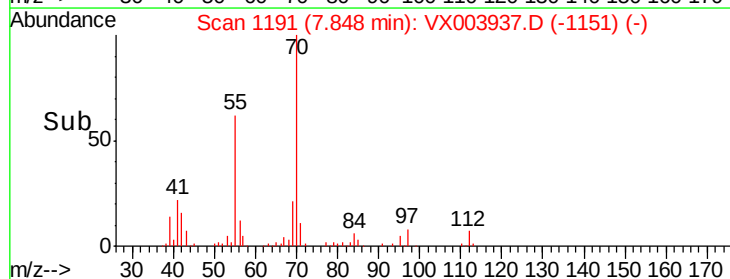
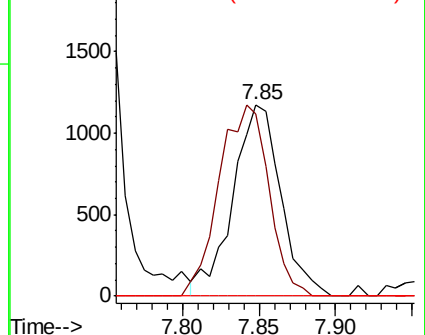
127 0.0 7.2 10.8#

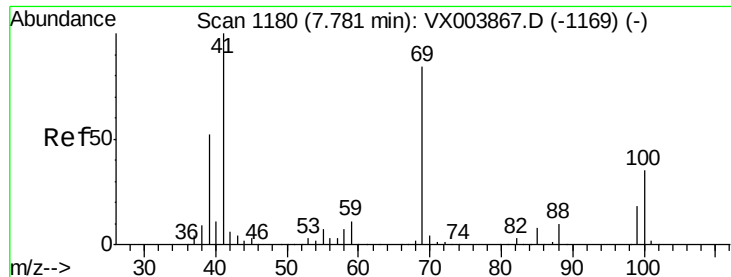


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V

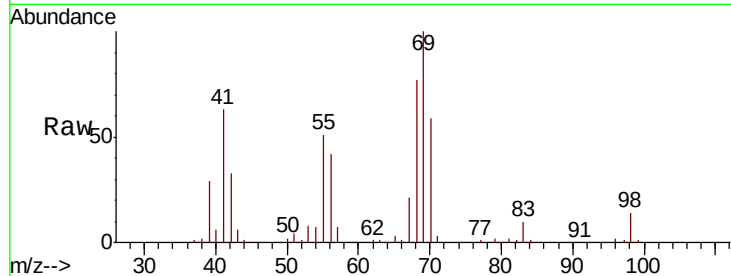




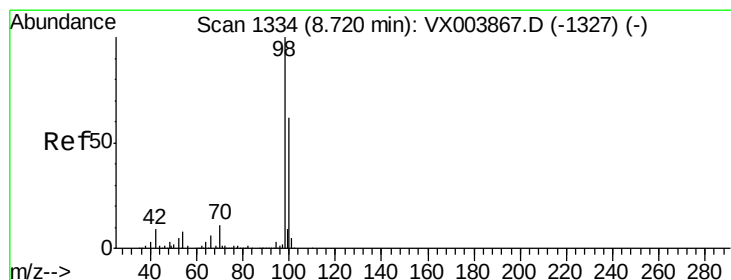
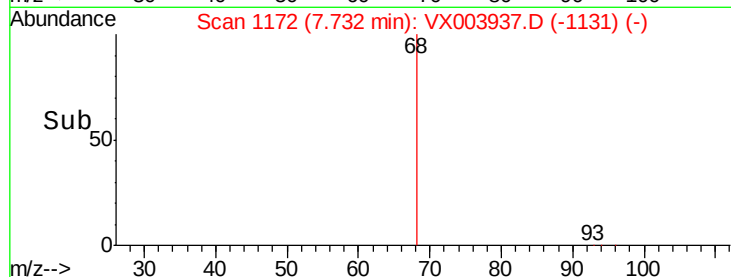
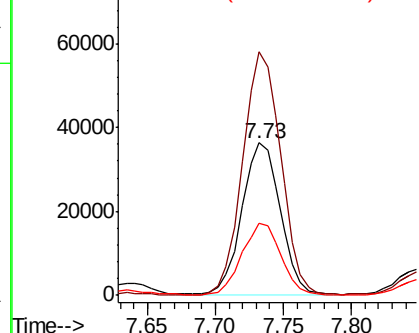
#48
Methvl methacrylate
Concen: 14.45 ug/l
RT: 7.73 min Scan# 1172
Delta R.T. -0.05 min
Lab File: VX003937.D
Acq: 08 Aug 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
FL-0558

Tot Ion: 41 Resp: 70480
Ion Ratio Lower Upper
41 100
69 161.1 68.8 103.2#
39 47.5 42.3 63.5

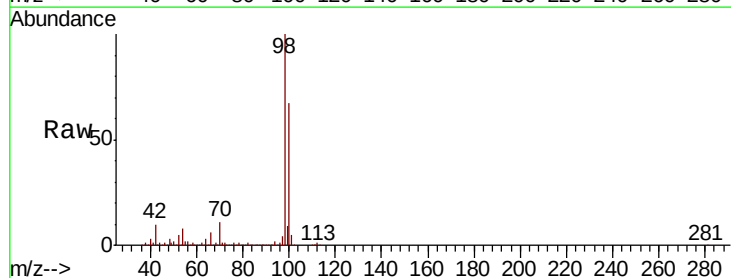


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

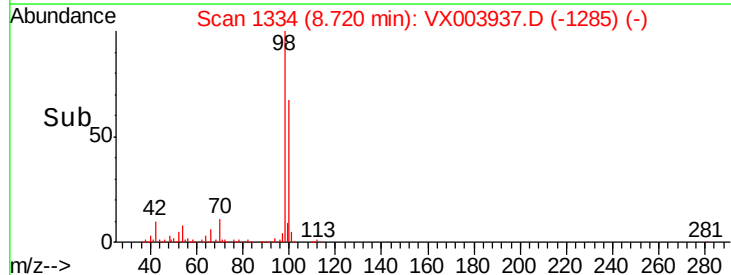
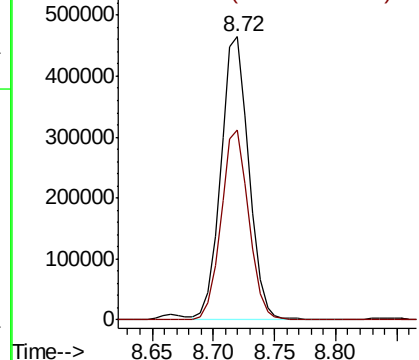


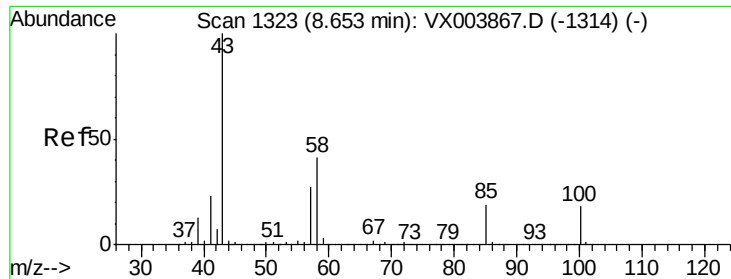
#50
Toluene-d8
Concen: 48.28 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003937.D
Acq: 08 Aug 2018 21:18

Tgt Ion: 98 Resp: 736168
Ion Ratio Lower Upper
98 100
100 66.4 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: 1.59 ug/l

RT: 8.66 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VX003937.D

Acq: 08 Aug 2018 21:18

Instrument :

MSVOA_X

ClientSampled :

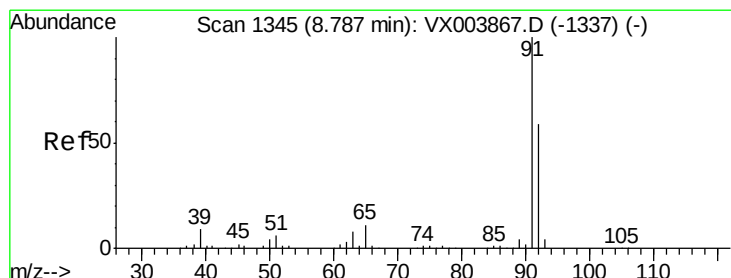
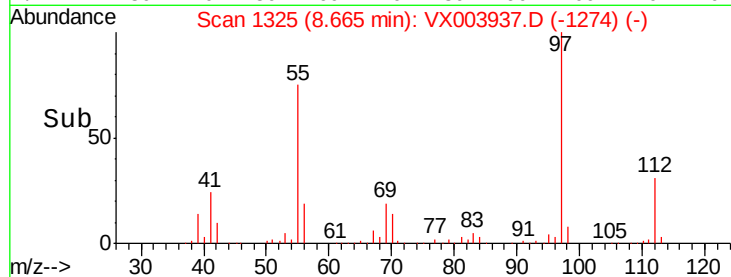
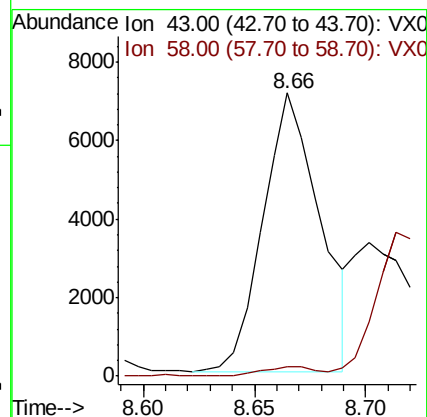
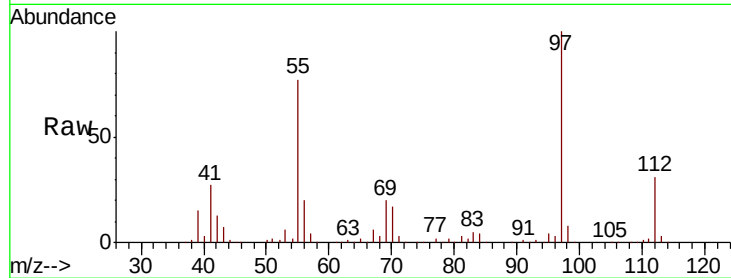
FL-0558

Tot Ion: 43 Resp: 12676

Ion Ratio Lower Upper

43 100

58 3.2 33.0 49.6#



#52

Toluene

Concen: 14.12 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003937.D

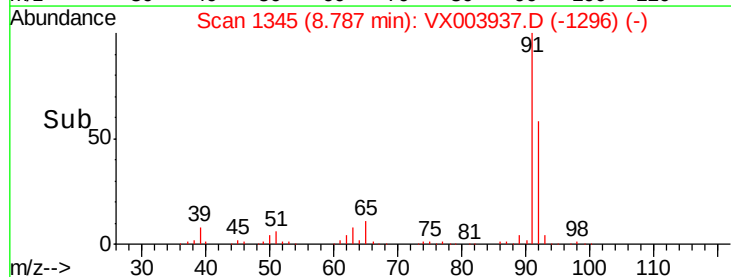
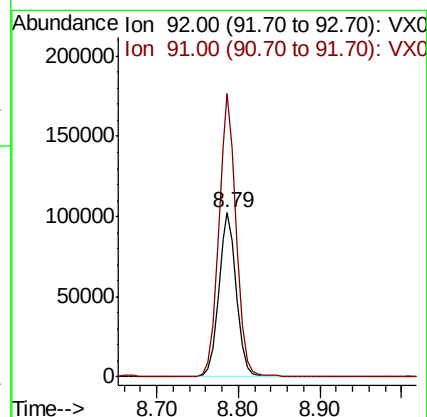
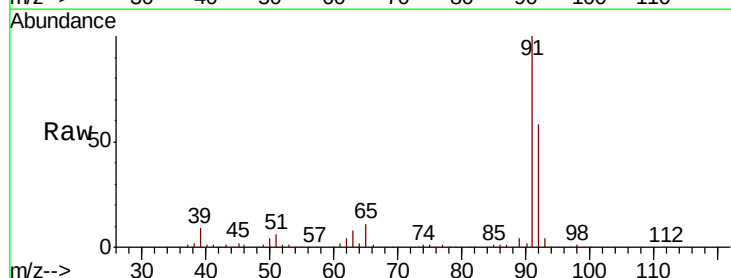
Acq: 08 Aug 2018 21:18

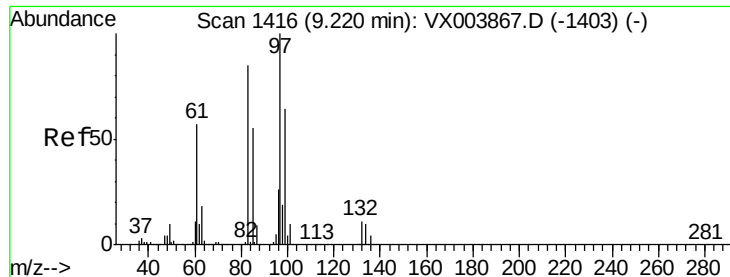
Tgt Ion: 92 Resp: 155338

Ion Ratio Lower Upper

92 100

91 170.2 136.1 204.1





#55

1,1,2-Trichloroethane

Concen: 15.16 ug/l

RT: 9.16 min Scan# 1407

Delta R.T. -0.05 min

Lab File: VX003937.D

Acq: 08 Aug 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

FL-0558

Tot Ion: 97 Resp: 68120

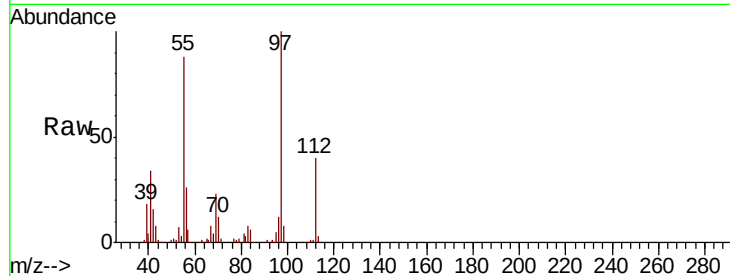
Ion Ratio Lower Upper

97 100

83 7.7 67.8 101.6#

85 0.3 44.2 66.2#

99 0.2 50.8 76.2#

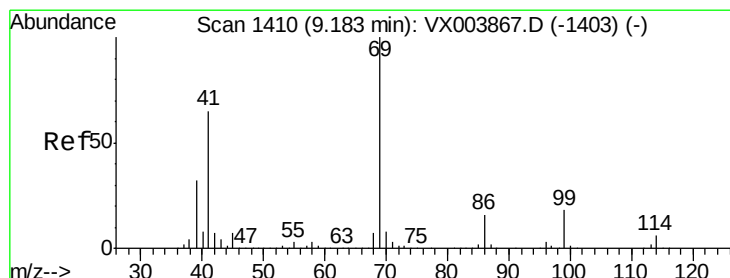
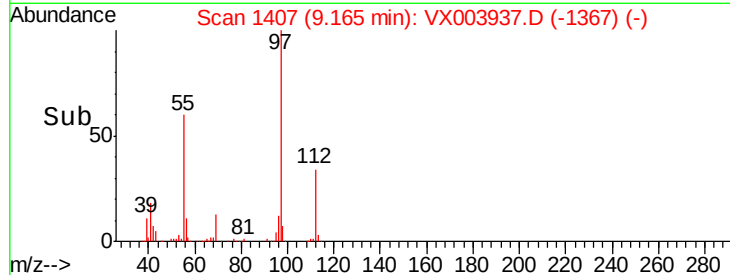
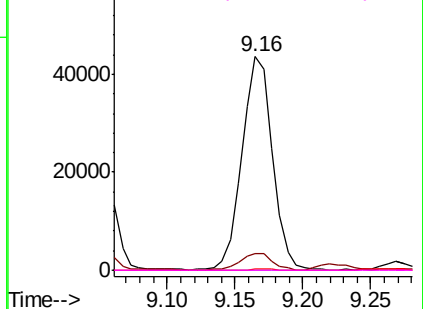


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 2.35 ug/l

RT: 9.16 min Scan# 1407

Delta R.T. -0.02 min

Lab File: VX003937.D

Acq: 08 Aug 2018 21:18

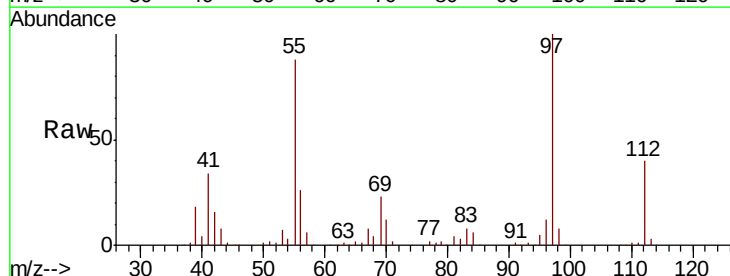
Tgt Ion: 69 Resp: 15304

Ion Ratio Lower Upper

69 100

41 144.4 50.6 76.0#

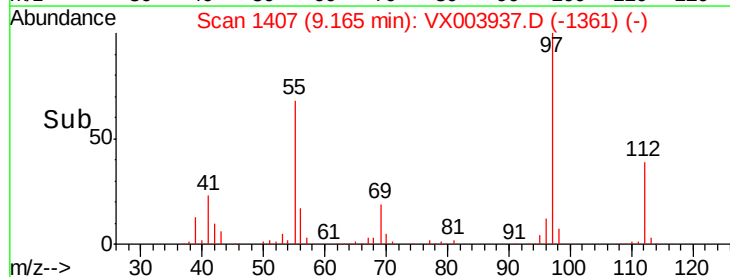
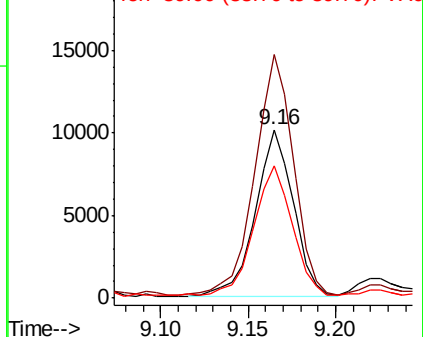
39 78.2 25.8 38.6#

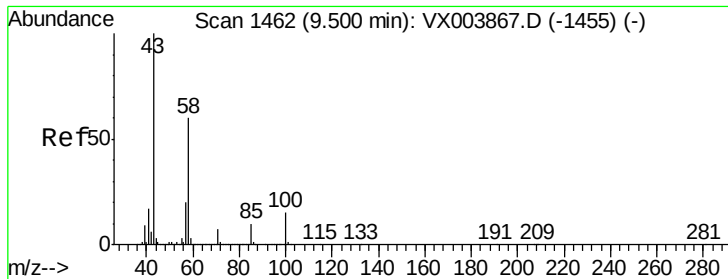


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#59

2-Hexanone

Concen: 1.38 ug/l

RT: 9.45 min Scan# 1453

Delta R.T. -0.05 min

Lab File: VX003937.D

Acq: 08 Aug 2018 21:18

Instrument :

MSVOA_X

ClientSampled :

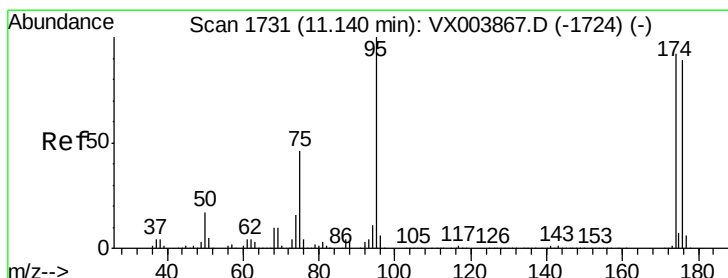
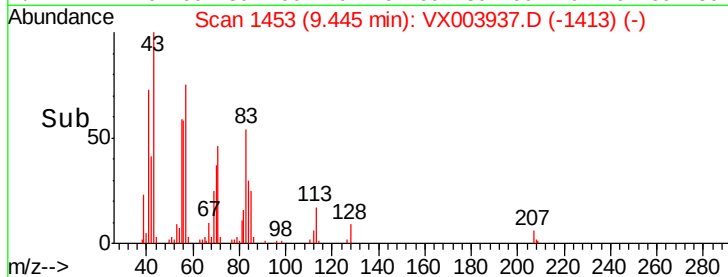
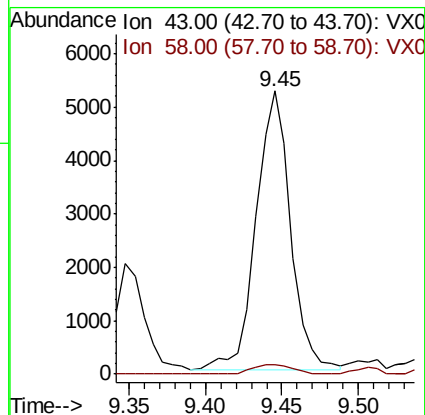
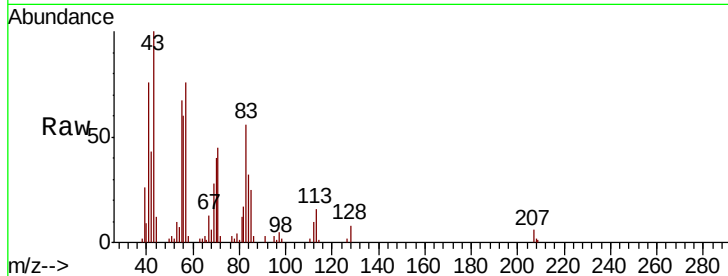
FL-0558

Tot Ion: 43 Resp: 8217

Ion Ratio Lower Upper

43 100

58 4.0 29.0 87.0#



#62

4-Bromofluorobenzene

Concen: 54.76 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003937.D

Acq: 08 Aug 2018 21:18

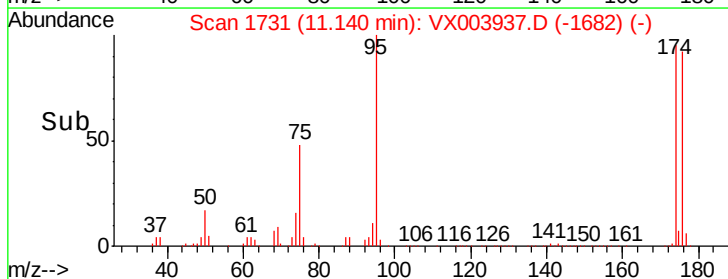
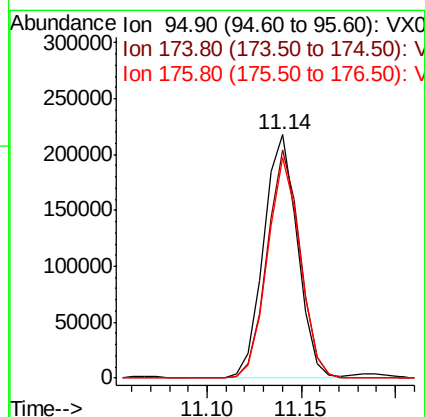
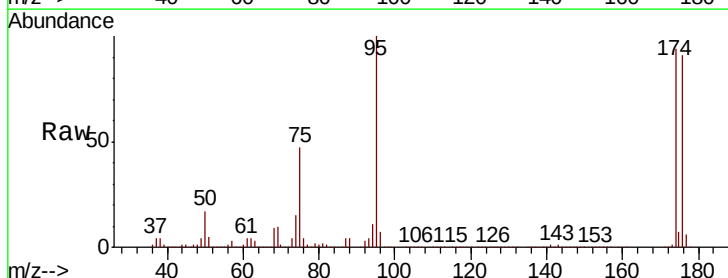
Tgt Ion: 95 Resp: 270209

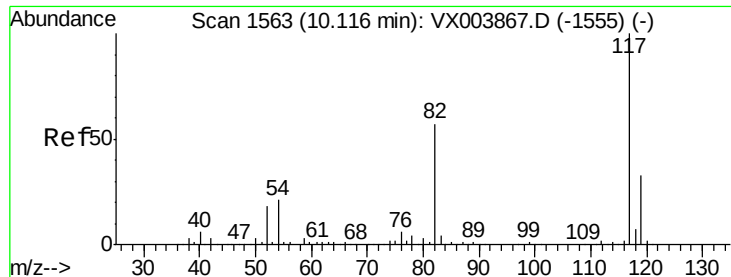
Ion Ratio Lower Upper

95 100

174 91.8 0.0 182.8

176 88.5 0.0 179.0

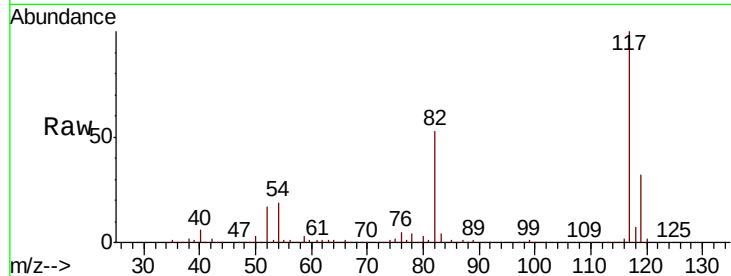




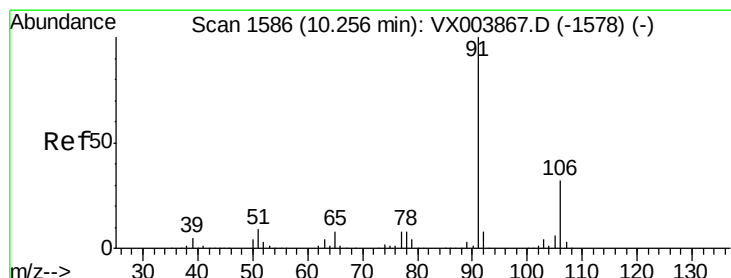
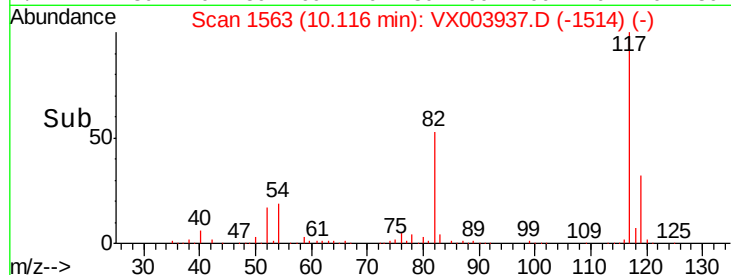
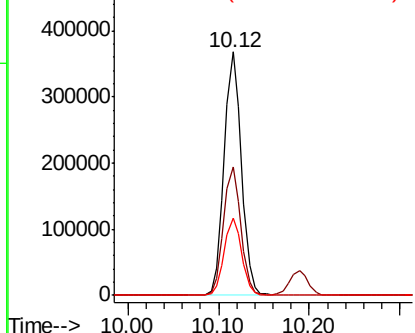
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003937.D
Acq: 08 Aug 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
FL-0558

Tot Ion:117 Resp: 490182
Ion Ratio Lower Upper
117 100
82 52.8 45.4 68.0
119 31.9 26.6 40.0

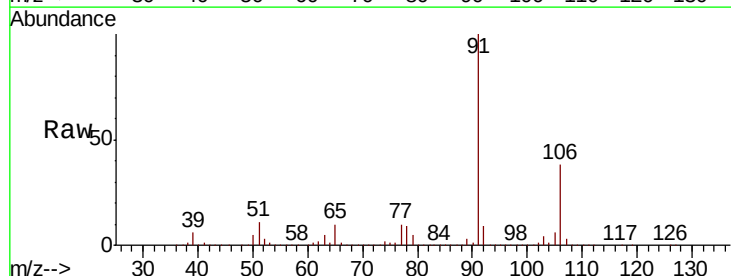


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

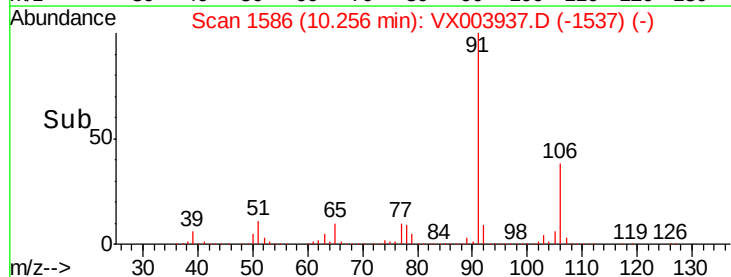
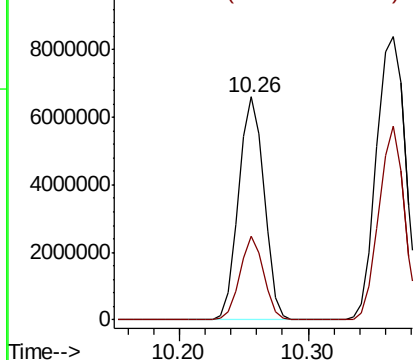


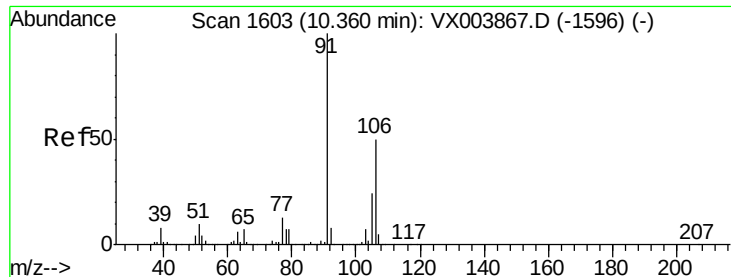
#67
Ethyl Benzene
Concen: 434.14 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003937.D
Acq: 08 Aug 2018 21:18

Tgt Ion: 91 Resp: 9064318
Ion Ratio Lower Upper
91 100
106 37.7 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: 959.15 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.01 min

Lab File: VX003937.D

Acq: 08 Aug 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

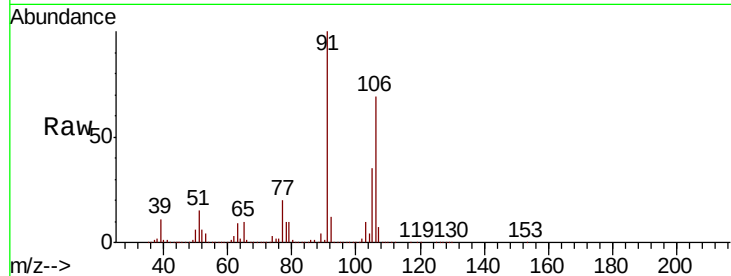
FL-0558

Tot Ion:106 Resp: 7825018

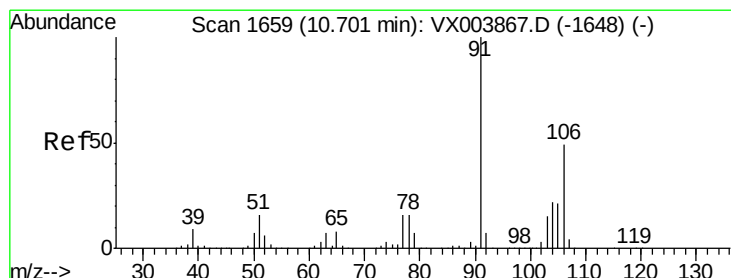
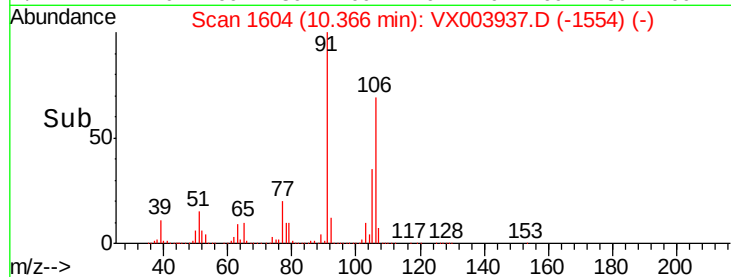
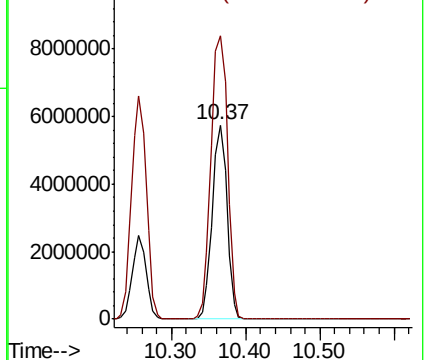
Ion Ratio Lower Upper

106 100

91 165.6 162.3 243.5



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



#69

o-Xylene

Concen: 784.10 ug/l

RT: 10.71 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX003937.D

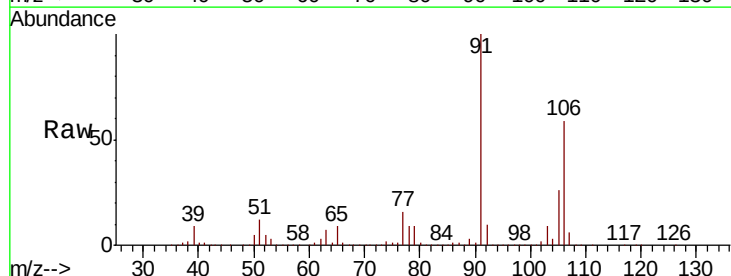
Acq: 08 Aug 2018 21:18

Tgt Ion:106 Resp: 6038562

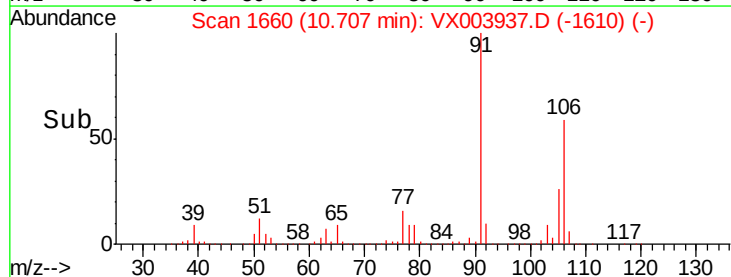
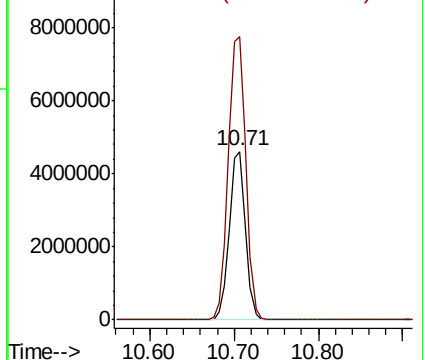
Ion Ratio Lower Upper

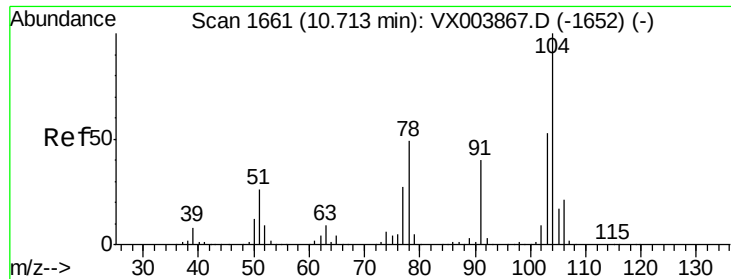
106 100

91 183.8 101.9 305.7



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

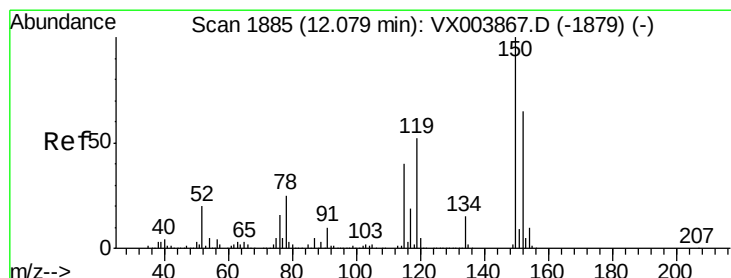
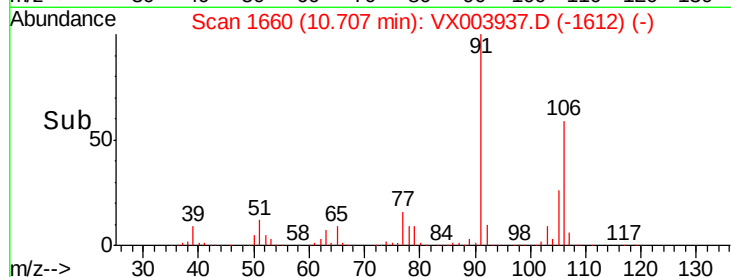
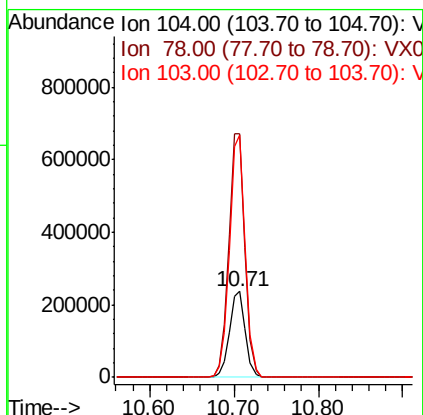
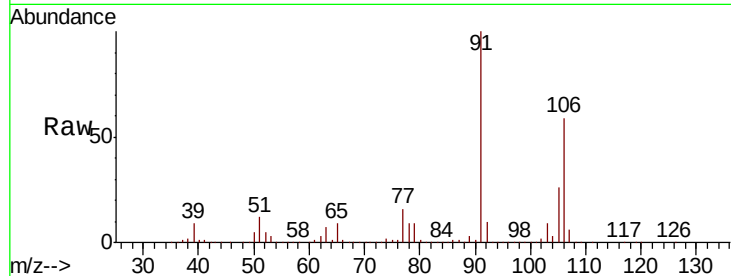




#70
Stvrene
Concen: 24.07 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.01 min
Lab File: VX003937.D
Acq: 08 Aug 2018 21:18

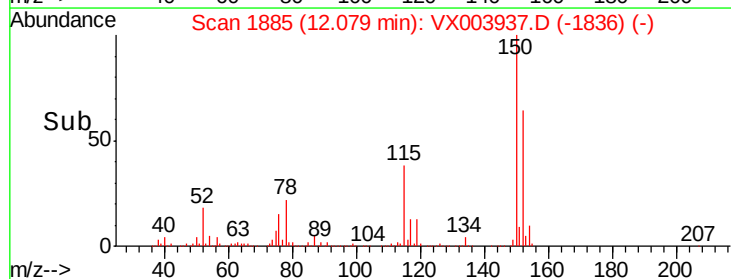
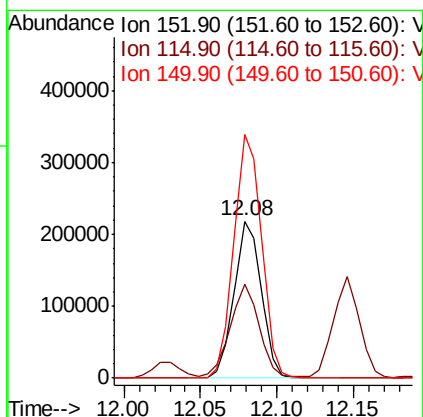
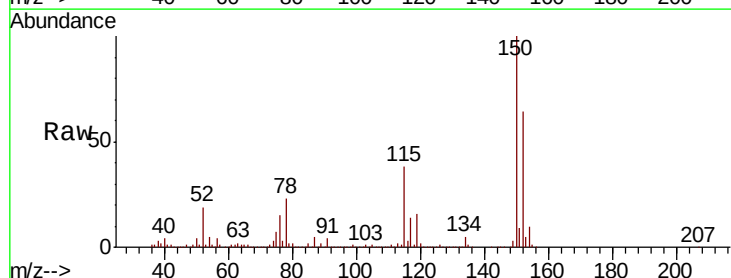
Instrument :
MSVOA_X
ClientSampleId :
FL-0558

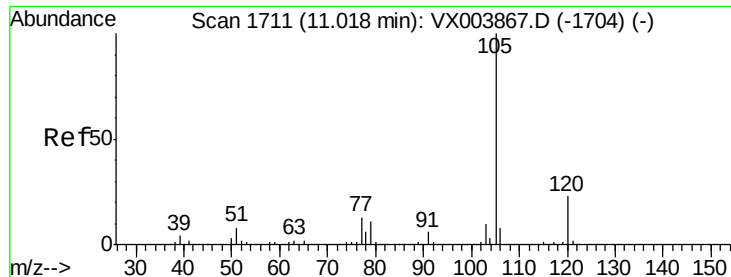
Tot Ion:104 Resp: 303557
Ion Ratio Lower Upper
104 100
78 290.2 39.8 59.6#
103 281.8 44.3 66.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003937.D
Acq: 08 Aug 2018 21:18

Tgt Ion:152 Resp: 268586
Ion Ratio Lower Upper
152 100
115 63.0 39.1 117.3
150 158.5 0.0 349.2





#73

Isopropylbenzene

Concen: 74.71 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003937.D

Acq: 08 Aug 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

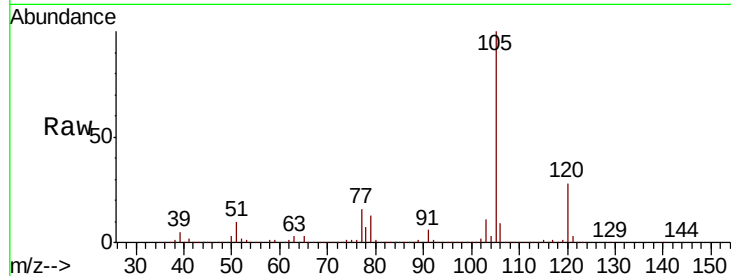
FL-0558

Tot Ion:105 Resp: 1484378

Ion Ratio Lower Upper

105 100

120 27.5 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

1000000

500000

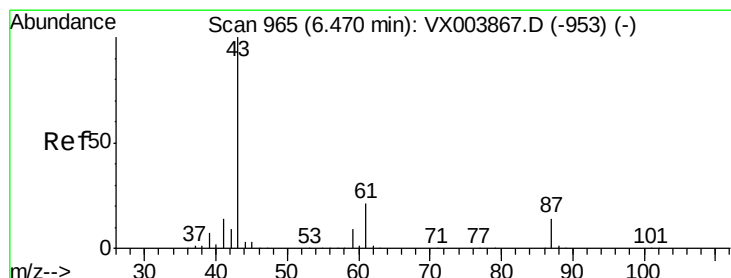
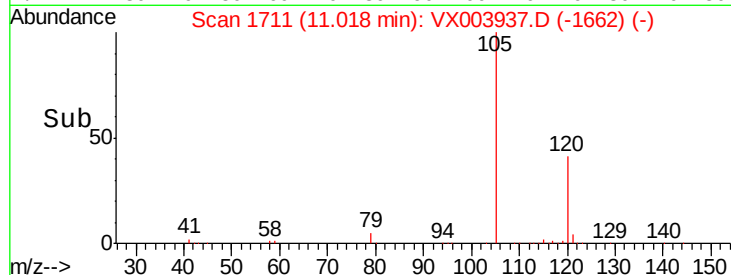
0

Time-->

10.90

11.00

11.10



#74

N-ethyl acetate

Concen: 1.27 ug/l

RT: 6.45 min Scan# 961

Delta R.T. -0.02 min

Lab File: VX003937.D

Acq: 08 Aug 2018 21:18

Tgt Ion: 43 Resp: 13112

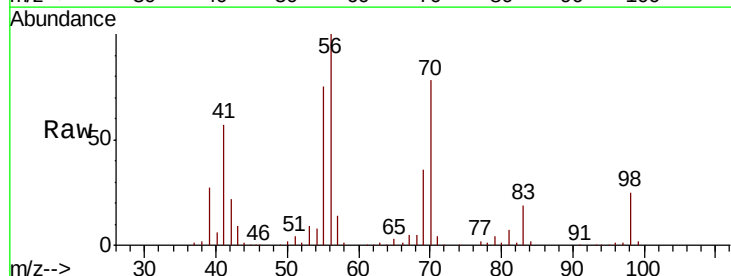
Ion Ratio Lower Upper

43 100

70 910.7 0.0 0.0#

55 874.6 0.1 0.1#

61 1.9 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

60000

40000

20000

0

Time-->

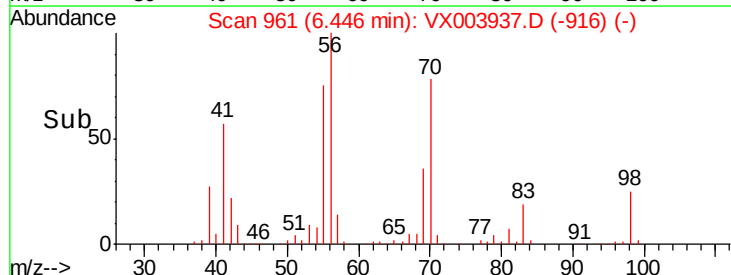
6.35

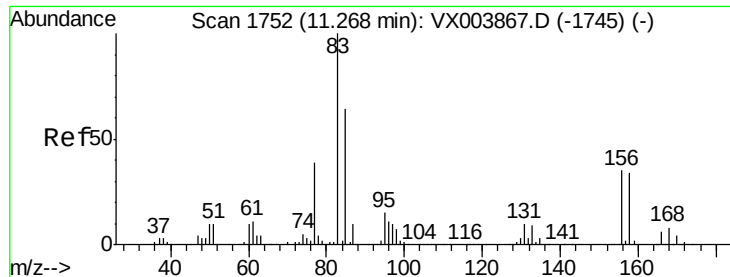
6.40

6.45

6.50

6.55





#75

1,1,2,2-Tetrachloroethane

Concen: 0.55 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VX003937.D

Acq: 08 Aug 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

FL-0558

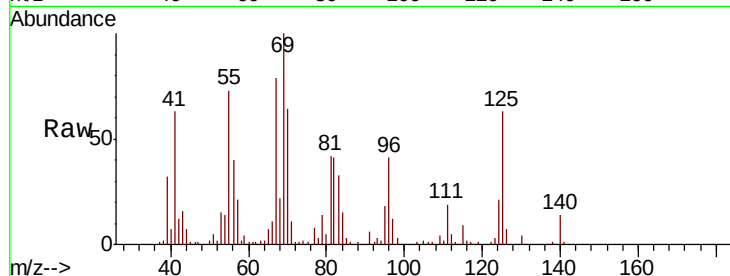
Tot Ion: 83 Resp: 3738

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

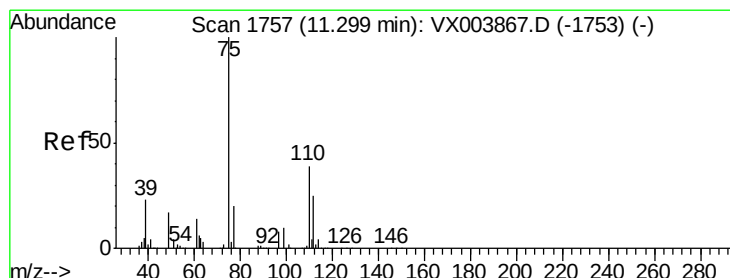
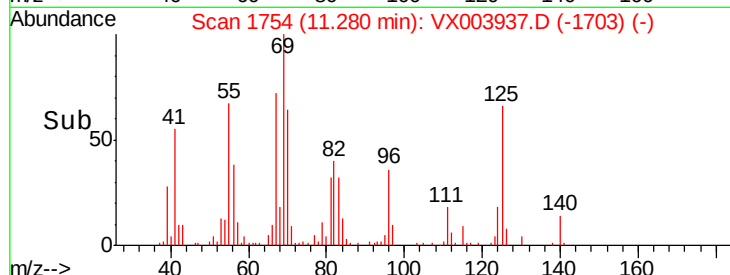
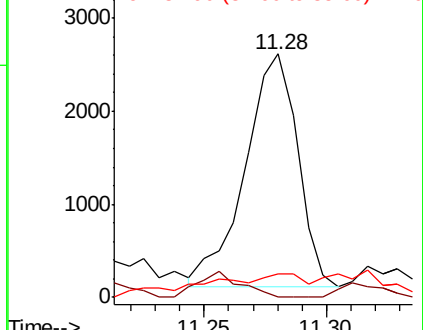
85 19.9 32.2 96.6#



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: 1.93 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.06 min

Lab File: VX003937.D

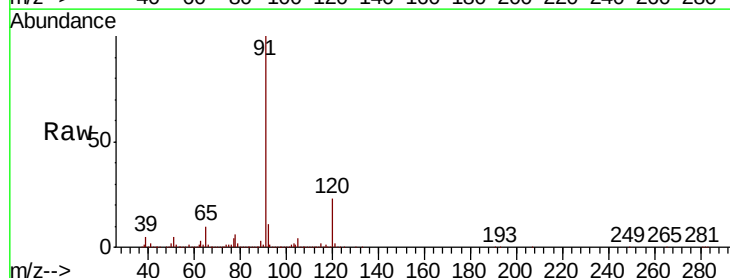
Acq: 08 Aug 2018 21:18

Tgt Ion: 75 Resp: 11477

Ion Ratio Lower Upper

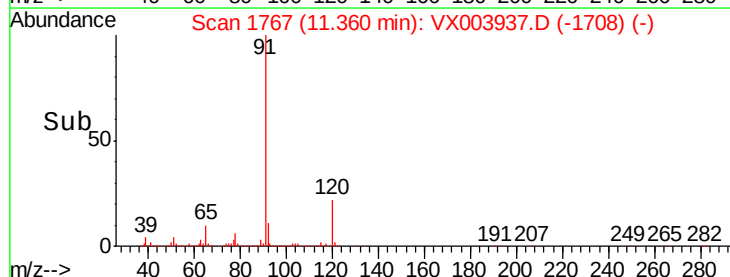
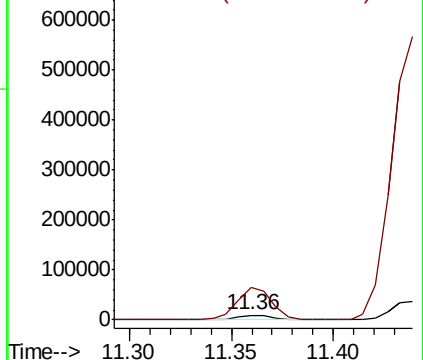
75 100

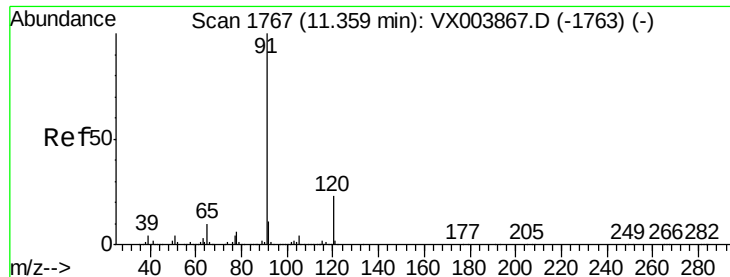
77 680.4 20.8 62.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 92.72 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003937.D

Acq: 08 Aug 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

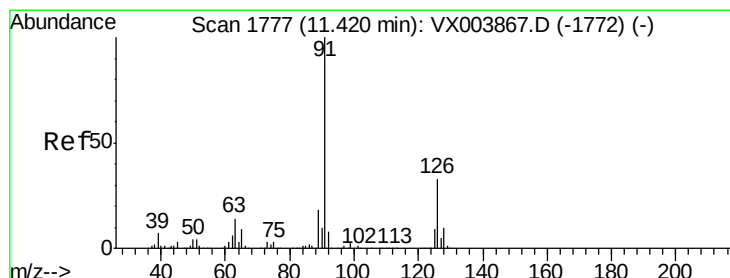
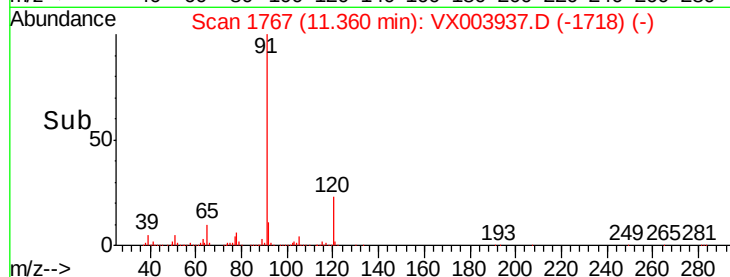
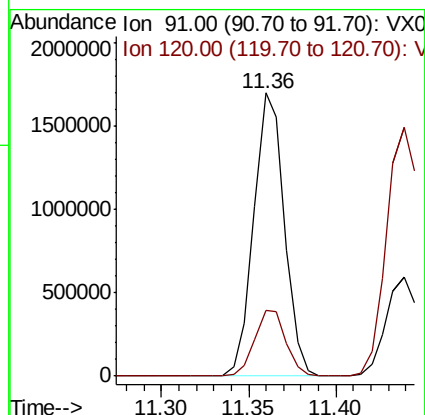
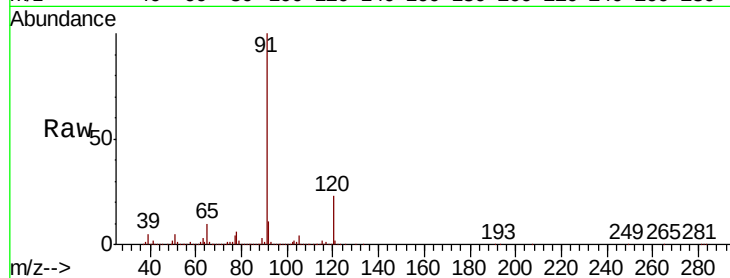
FL-0558

Tot Ion: 91 Resp: 2068735

Ion Ratio Lower Upper

91 100

120 23.7 11.9 35.5



#79

2-Chlorotoluene

Concen: 79.59 ug/l

RT: 11.44 min Scan# 1780

Delta R.T. 0.02 min

Lab File: VX003937.D

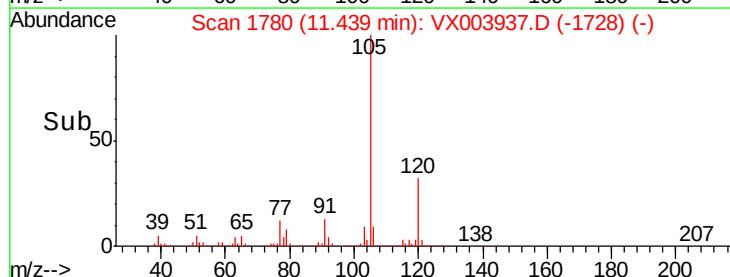
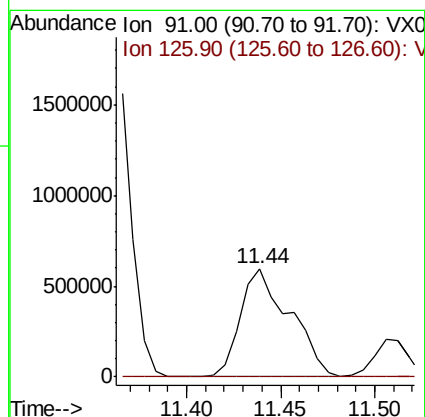
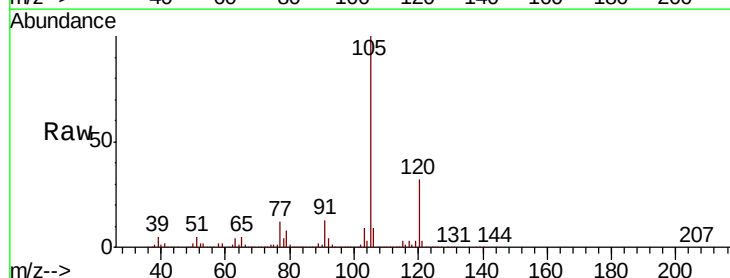
Acq: 08 Aug 2018 21:18

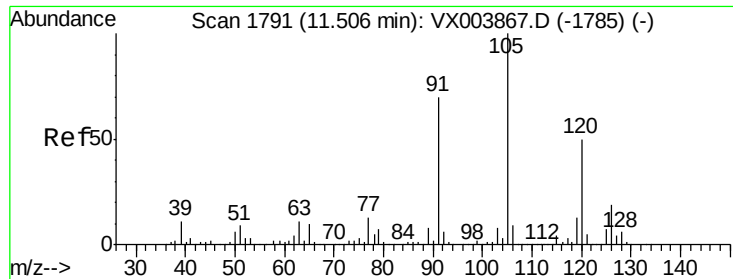
Tgt Ion: 91 Resp: 1082638

Ion Ratio Lower Upper

91 100

126 0.1 17.4 52.3#

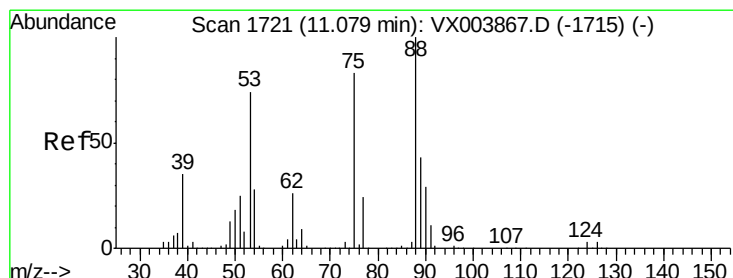
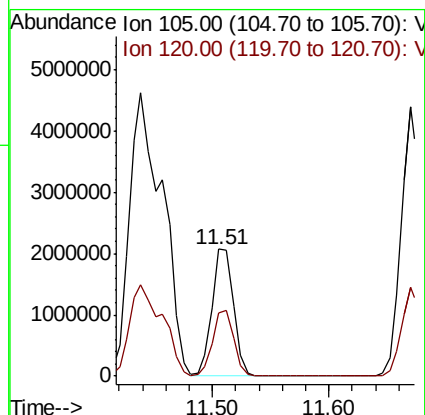
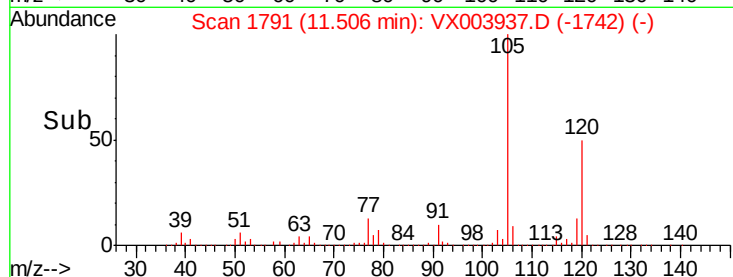
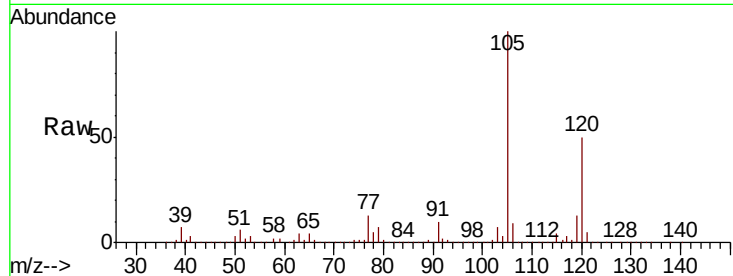




#80
 1,3,5-Trimethylbenzene
 Concen: 161.91 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX003937.D
 Acq: 08 Aug 2018 21:18

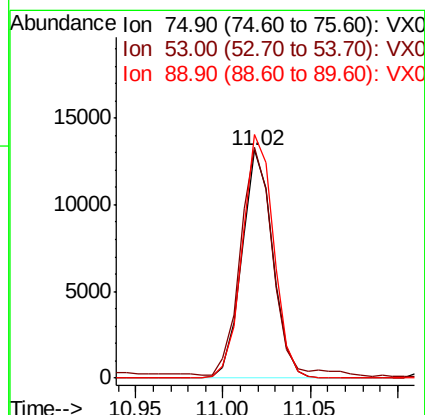
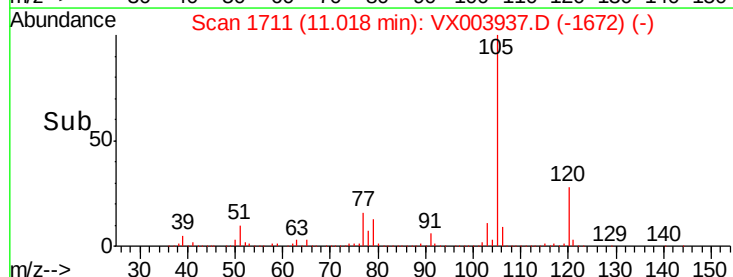
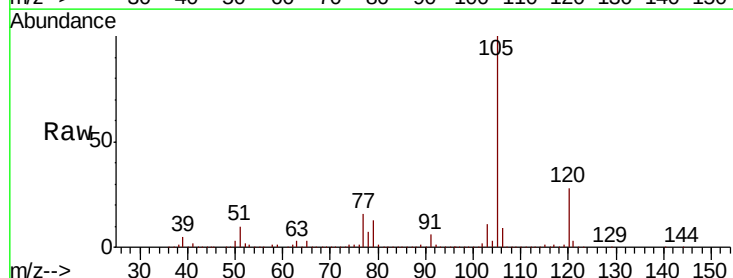
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0558

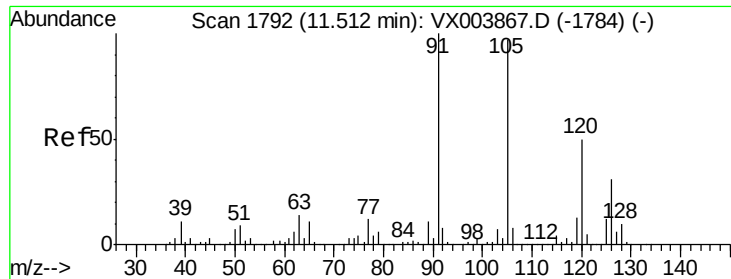
Tot Ion:105 Resp: 2623219
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.4 76.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 9.29 ug/l
 RT: 11.02 min Scan# 1711
 Delta R.T. -0.06 min
 Lab File: VX003937.D
 Acq: 08 Aug 2018 21:18

Tgt Ion: 75 Resp: 16143
 Ion Ratio Lower Upper
 75 100
 53 107.5 80.3 120.5
 89 107.9 37.8 56.8#





#82

4-Chlorotoluene

Concen: 16.46 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003937.D

Acq: 08 Aug 2018 21:18

Instrument :

MSVOA_X

ClientSampled :

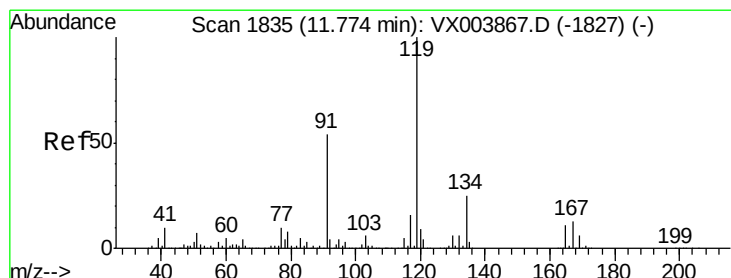
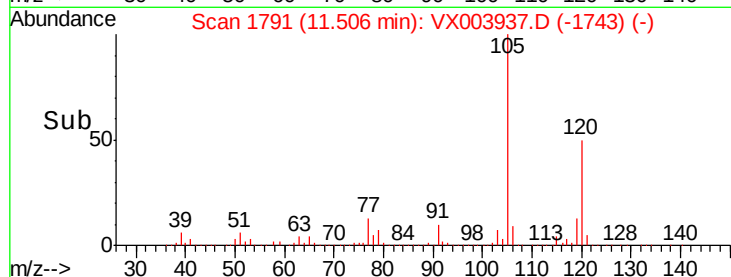
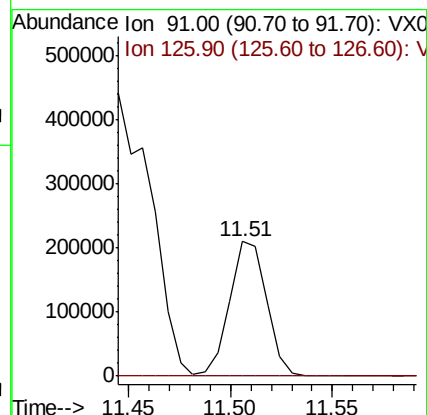
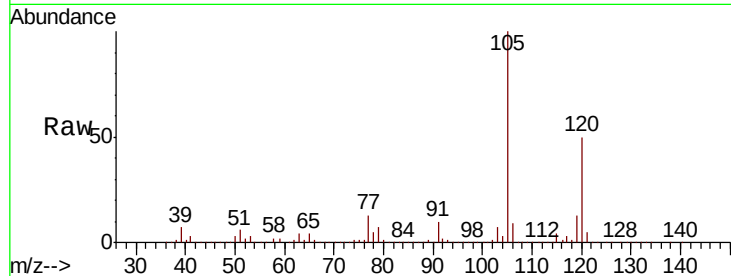
FL-0558

Tot Ion: 91 Resp: 262314

Ion Ratio Lower Upper

91 100

126 0.1 15.6 46.7#



#83

tert-Butylbenzene

Concen: 76.15 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.04 min

Lab File: VX003937.D

Acq: 08 Aug 2018 21:18

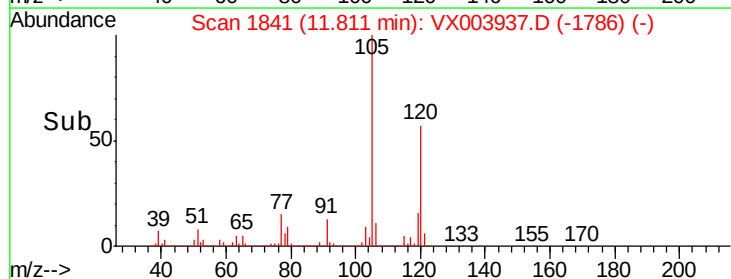
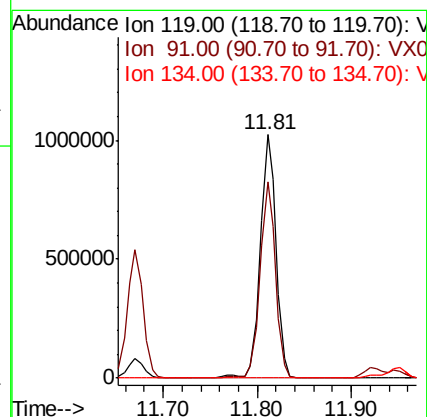
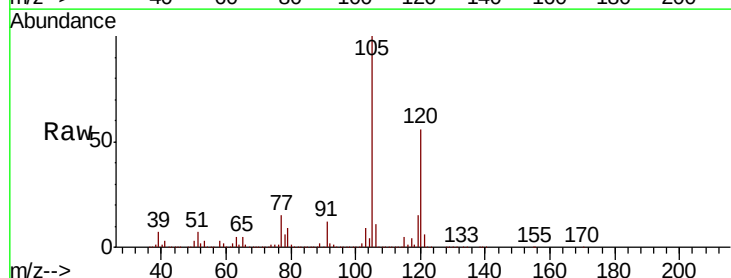
Tgt Ion: 119 Resp: 1213727

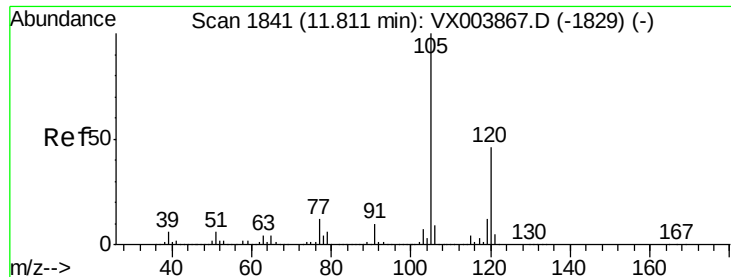
Ion Ratio Lower Upper

119 100

91 79.3 26.9 80.7

134 0.0 12.0 36.0#





#84

1,2,4-Trimethylbenzene

Concen: 520.85 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003937.D

Acq: 08 Aug 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

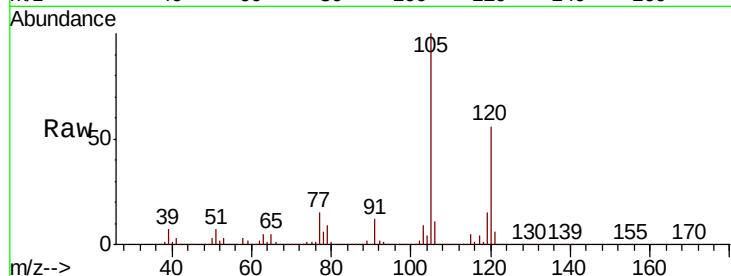
FL-0558

Tot Ion:105 Resp: 8484850

Ion Ratio Lower Upper

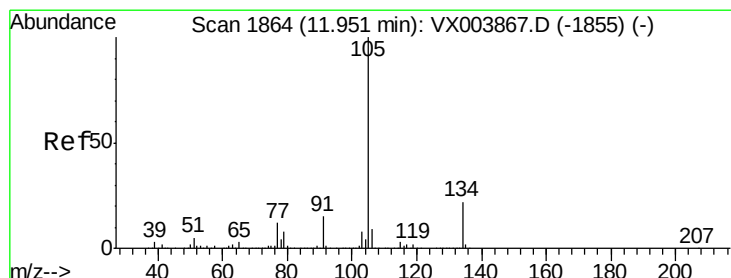
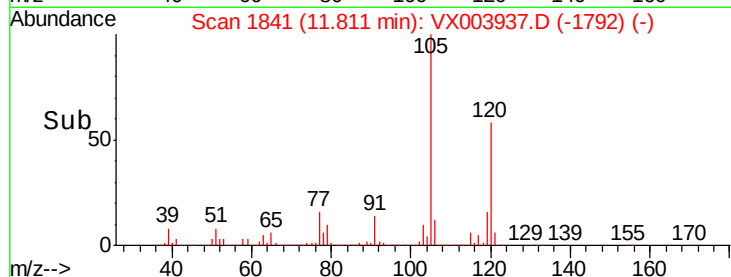
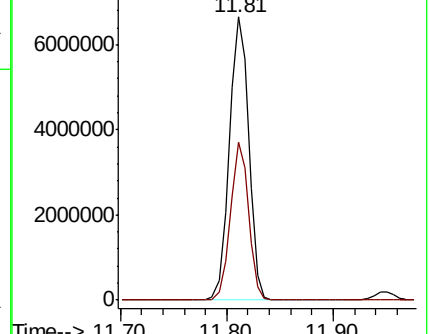
105 100

120 52.0 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: 13.74 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003937.D

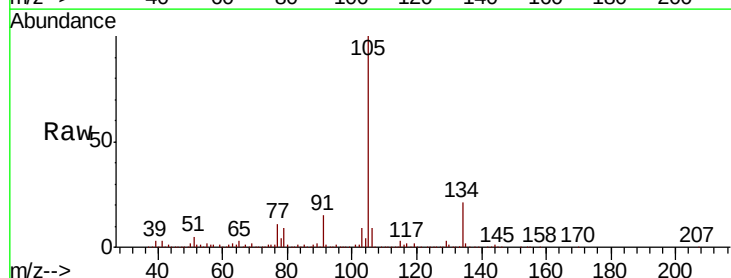
Acq: 08 Aug 2018 21:18

Tgt Ion:105 Resp: 258395

Ion Ratio Lower Upper

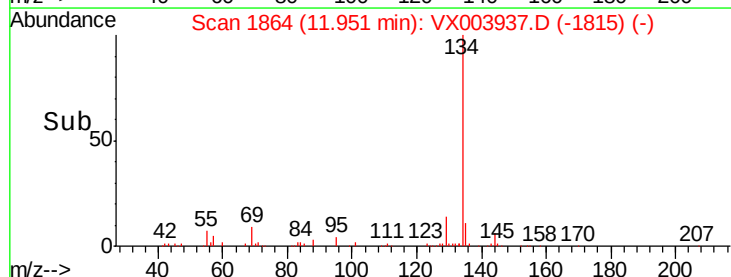
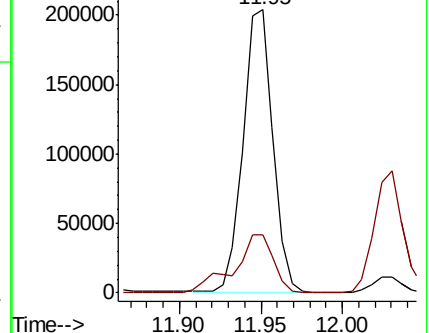
105 100

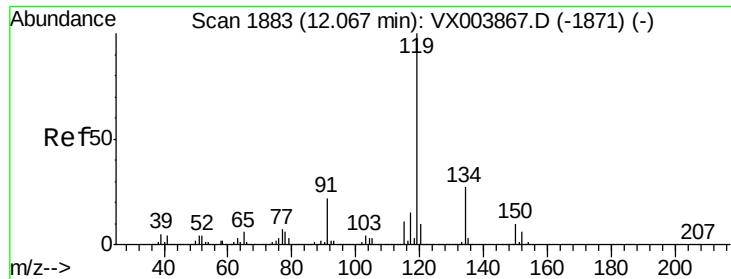
134 27.6 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

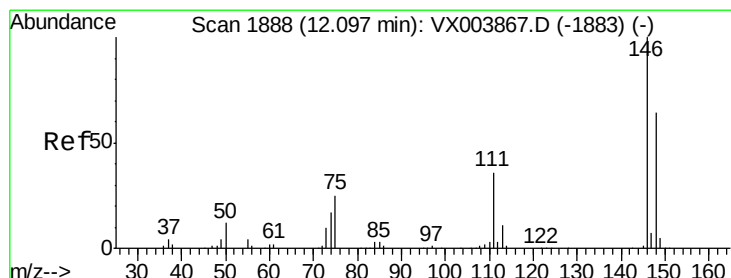
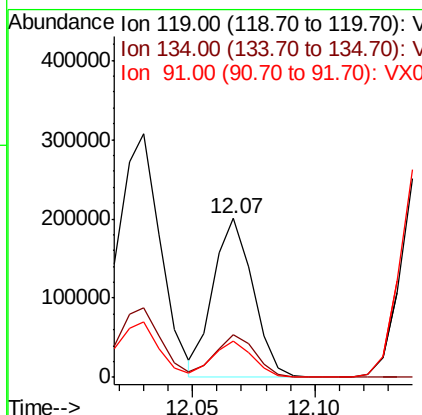
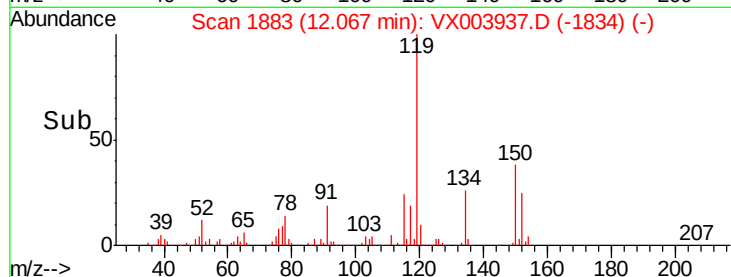
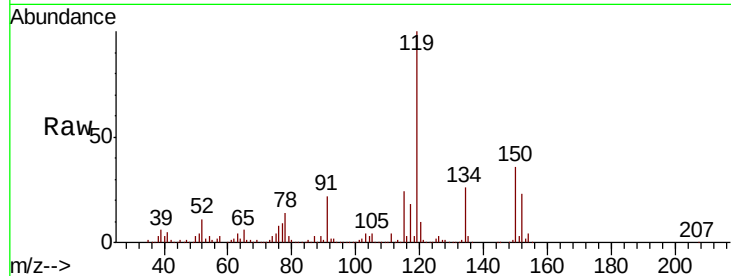




#86
 p-Isopropyltoluene
 Concen: 13.35 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003937.D
 Acq: 08 Aug 2018 21:18

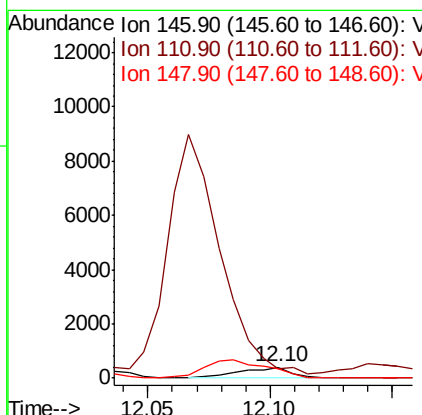
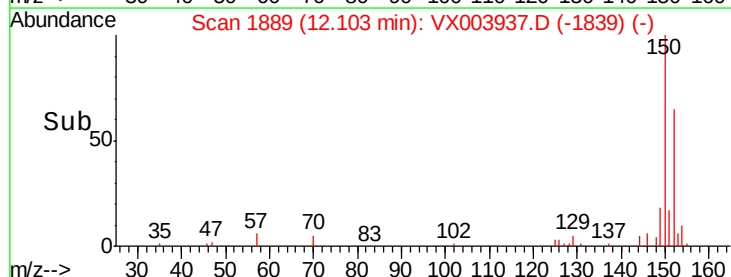
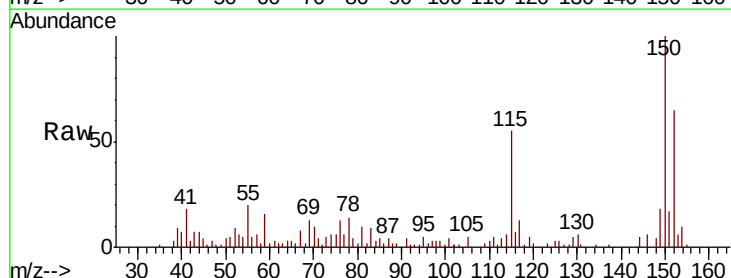
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0558

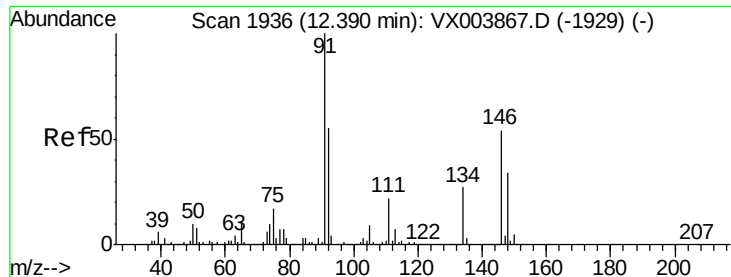
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.3	39.8
91	22.4	10.9	32.7



#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VX003937.D
 Acq: 08 Aug 2018 21:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	18.4	55.0#
148	209.7	32.3	96.8#

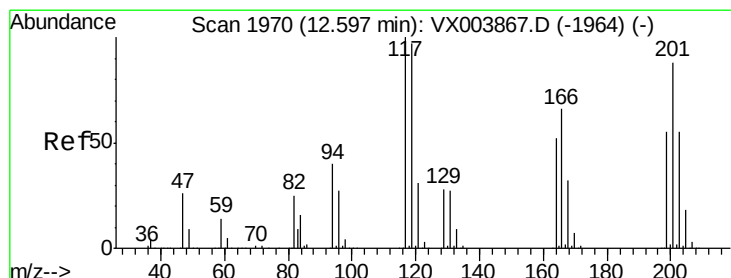
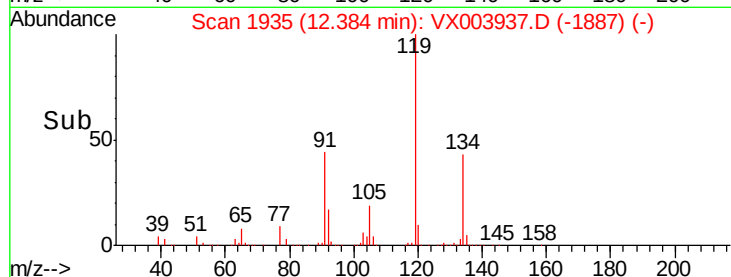
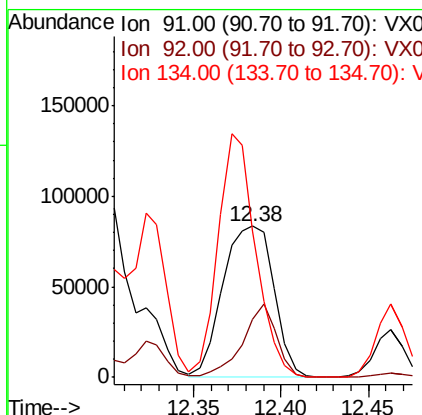
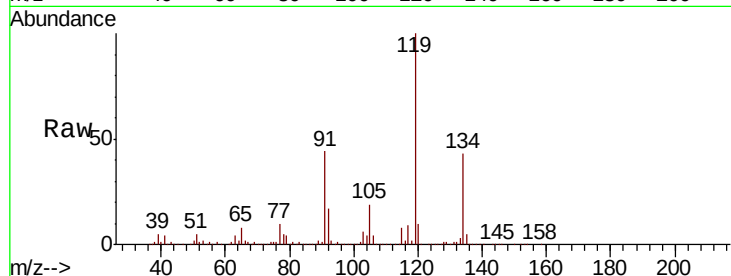




#89
n-Butylbenzene
Concen: 11.37 ug/l
RT: 12.38 min Scan# 1935
Delta R.T. -0.01 min
Lab File: VX003937.D
Acq: 08 Aug 2018 21:18

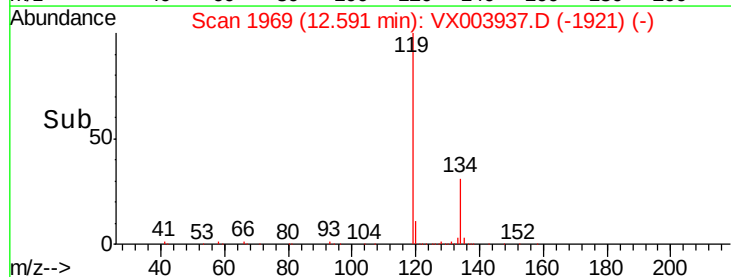
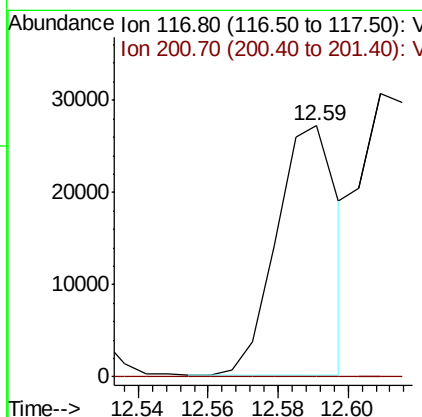
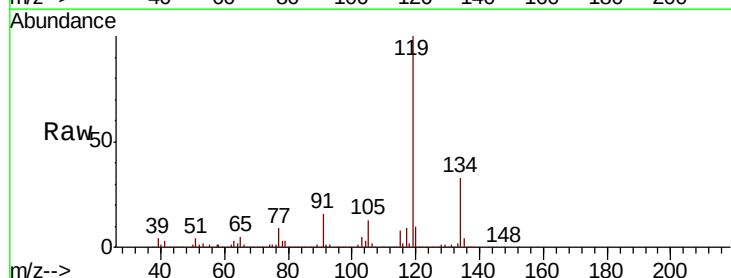
Instrument :
MSVOA_X
ClientSampled :
FL-0558

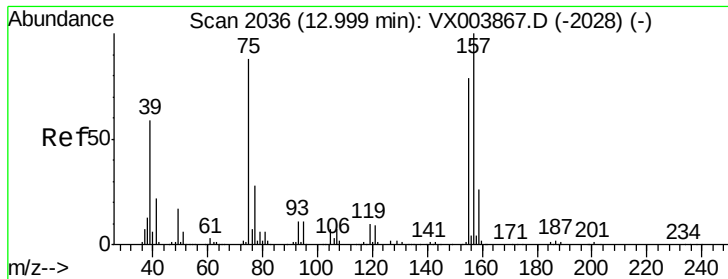
Tot Ion: 91 Resp: 167175
Ion Ratio Lower Upper
91 100
92 32.7 27.1 81.3
134 119.4 13.6 40.7#



#90
Hexachloroethane
Concen: 11.99 ug/l
RT: 12.59 min Scan# 1969
Delta R.T. -0.01 min
Lab File: VX003937.D
Acq: 08 Aug 2018 21:18

Tgt Ion: 117 Resp: 32869
Ion Ratio Lower Upper
117 100
201 0.0 46.1 138.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.82 ug/l

RT: 13.02 min Scan# 2039

Delta R.T. 0.02 min

Lab File: VX003937.D

Acq: 08 Aug 2018 21:18

Instrument :

MSVOA_X

ClientSampled :

FL-0558

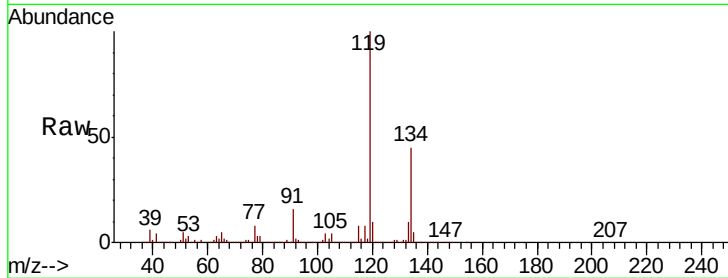
Tot Ion: 75 Resp: 2542

Ion Ratio Lower Upper

75 100

155 0.0 48.7 146.1#

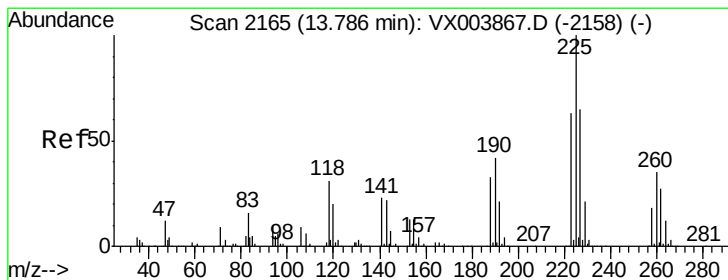
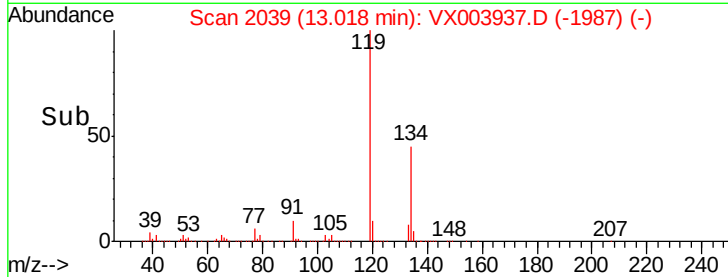
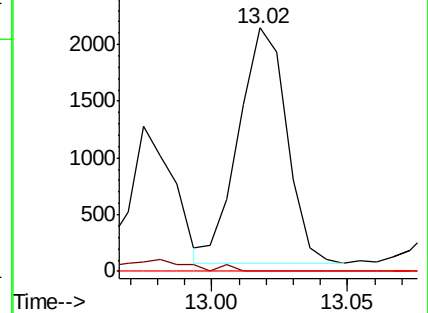
157 0.0 62.6 187.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#94

Hexachlorobutadiene

Concen: 0.49 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX003937.D

Acq: 08 Aug 2018 21:18

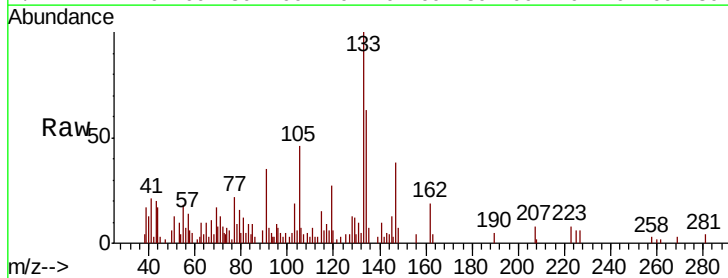
Tgt Ion: 225 Resp: 196

Ion Ratio Lower Upper

225 100

223 108.7 31.4 94.0#

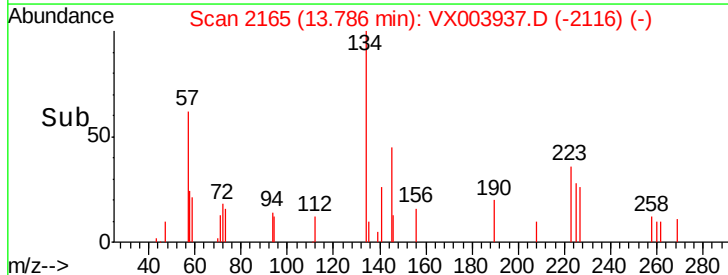
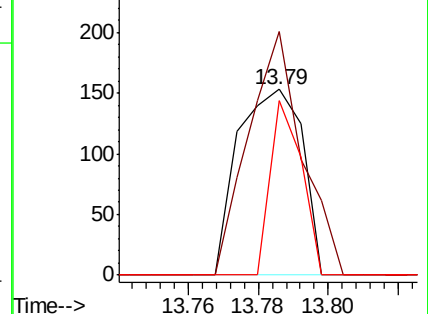
227 44.9 32.1 96.5

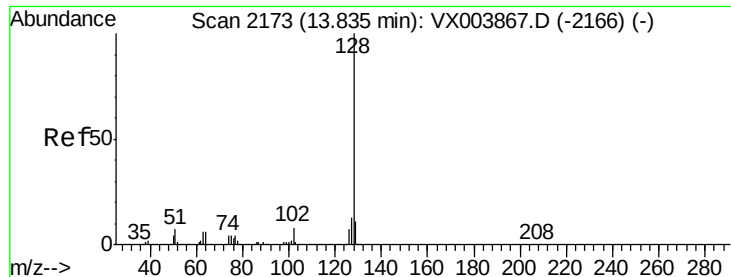


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95
Naphthalene
Concen: 71.22 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003937.D
Acq: 08 Aug 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
FL-0558

Tot Ion:128 Resp: 1424811
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 11.1 8.8 13.2

