

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091018\
 Data File : VX004459.D
 Acq On : 10 Sep 2018 19:54
 Operator : JC/MD
 Sample : J4776-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 EO-02-090718-B

Quant Time: Sep 11 01:23:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	281914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	463610	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	427471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	254218	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	201274	54.78	ug/l	0.00
Spiked Amount				50.000		
Recovery						= 109.56%
35) Dibromofluoromethane	5.50	113	179145	51.94	ug/l	0.00
Spiked Amount				50.000		
Recovery						= 103.88%
50) Toluene-d8	8.72	98	673225	51.71	ug/l	0.00
Spiked Amount				50.000		
Recovery						= 103.42%
62) 4-Bromofluorobenzene	11.14	95	236822	48.75	ug/l	0.00
Spiked Amount				50.000		
Recovery						= 97.50%

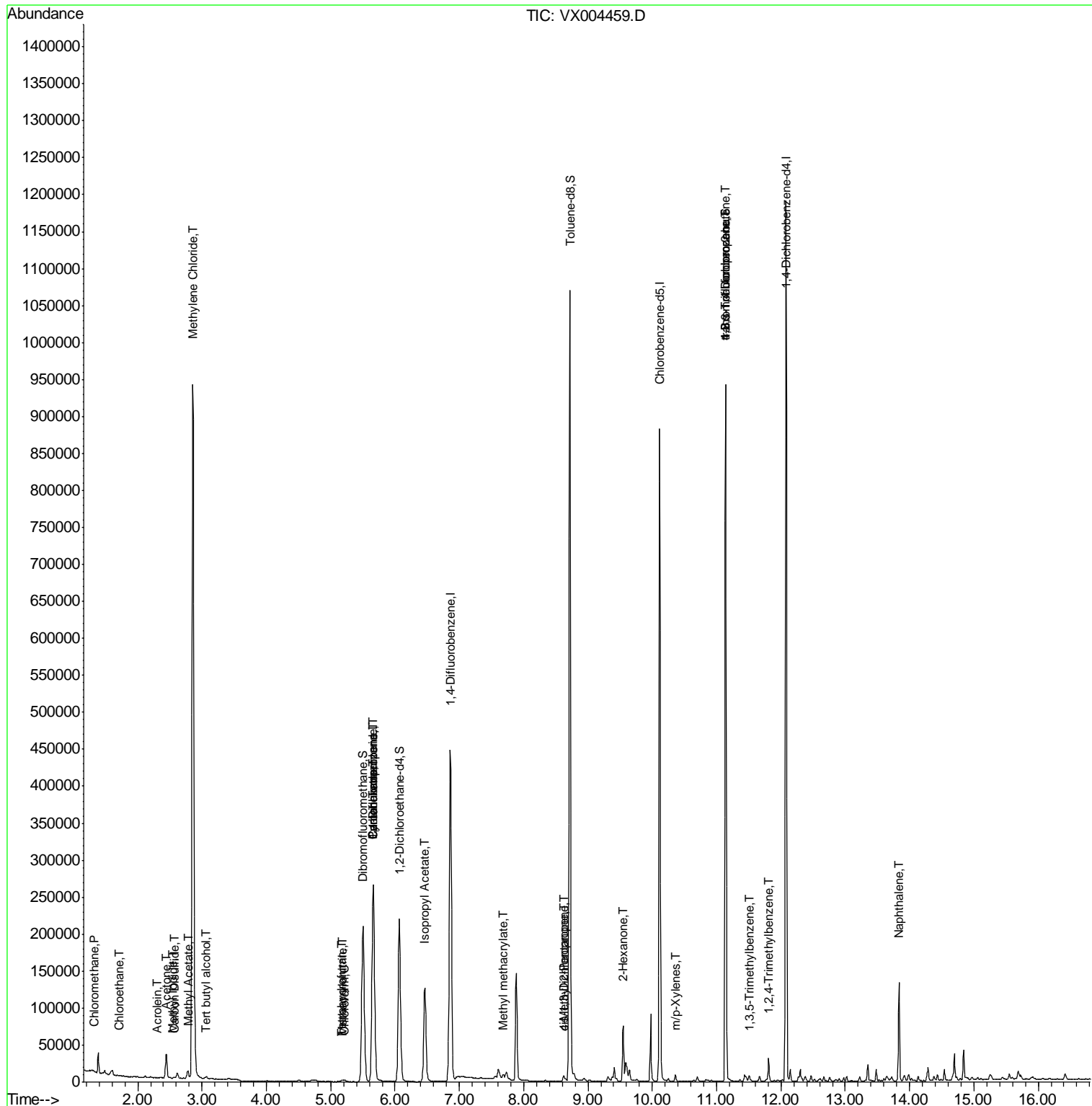
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	635	0.46	ug/l	# 80
5) Bromomethane	1.65	94	198	Below	Cal	# 76
6) Chloroethane	1.71	64	95	1.00	ug/l	# 44
10) Methyl Iodide	2.54	142	20	4.27	ug/l	# 41
11) Tert butyl alcohol	3.07	59	3560	4.55	ug/l	# 90
13) Acrolein	2.29	56	126	0.67	ug/l	# 68
16) Acetone	2.45	43	34901	15.70	ug/l	98
17) Carbon Disulfide	2.57	76	964	0.91	ug/l	# 94
18) Methyl Acetate	2.78	43	12911	2.37	ug/l	100
20) Methylene Chloride	2.85	84	455358	128.74	ug/l	98
25) 2-Butanone	4.70	43	4969	Below	Cal	91
29) Tetrahydrofuran	5.17	42	1438	0.91	ug/l	# 93
30) Chloroform	5.22	83	2430	0.41	ug/l	# 66
31) Cyclohexane	5.67	56	4624	0.90	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	18276	3.51	ug/l	# 49
38) Carbon Tetrachloride	5.66	117	24145	4.92	ug/l	# 16
41) Methacrylonitrile	5.17	41	1072	0.36	ug/l	# 47
43) Isopropyl Acetate	6.46	43	161207	20.47	ug/l	99
48) Methyl methacrylate	7.68	41	7962	1.89	ug/l	# 21
51) 4-Methyl-2-Pentanone	8.62	43	2489	0.43	ug/l	# 34
54) cis-1,3-Dichloropropene	8.62	75	1209	0.21	ug/l	# 71
59) 2-Hexanone	9.55	43	7941	1.82	ug/l	# 59
68) m/p-Xylenes	10.36	106	1919	0.28	ug/l	95
76) 1,2,3-Trichloropropane	11.14	75	110300	21.33	ug/l	# 37
80) 1,3,5-Trimethylbenzene	11.51	105	3452	0.25	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.14	75	110300	69.22	ug/l	# 10
84) 1,2,4-Trimethylbenzene	11.81	105	11961	0.84	ug/l	99
94) Hexachlorobutadiene	13.79	225	46	Below	Cal	# 20
95) Naphthalene	13.83	128	82387	4.97	ug/l	99

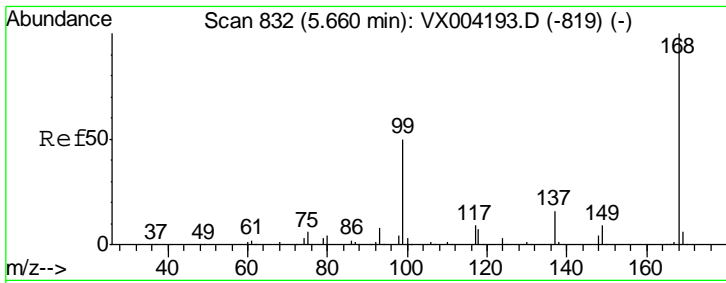
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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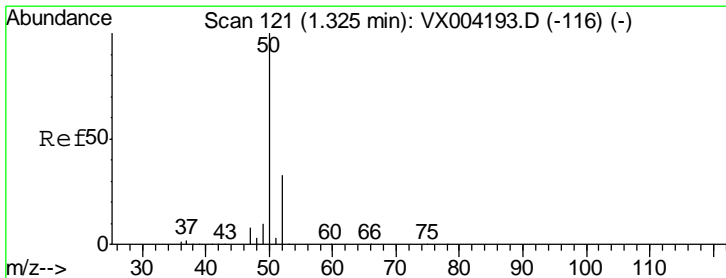
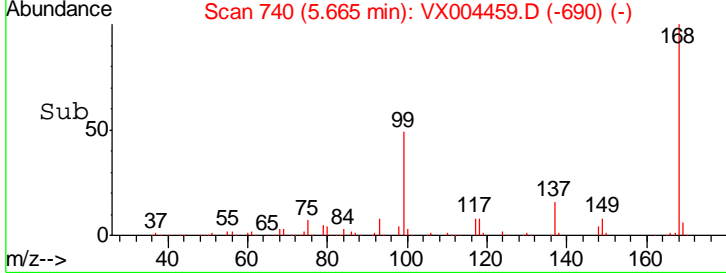
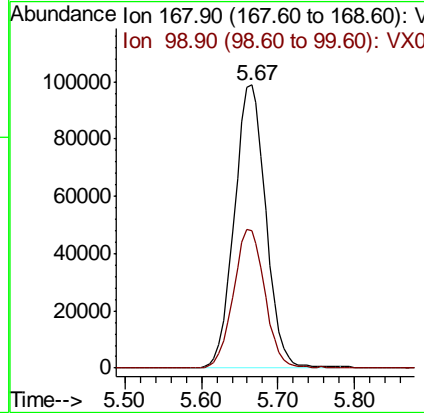
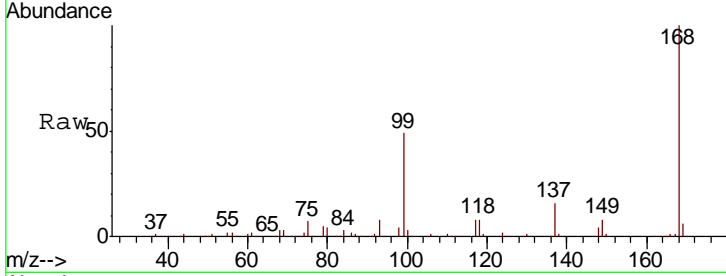




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.01 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

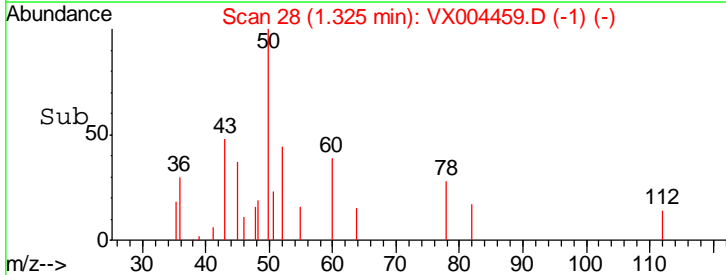
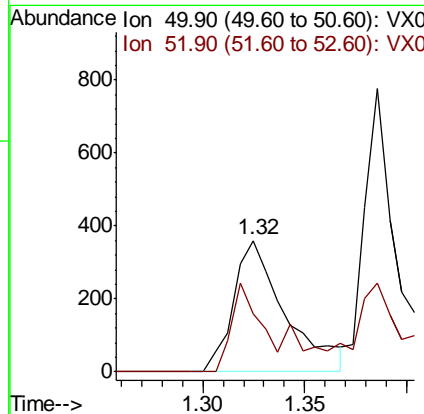
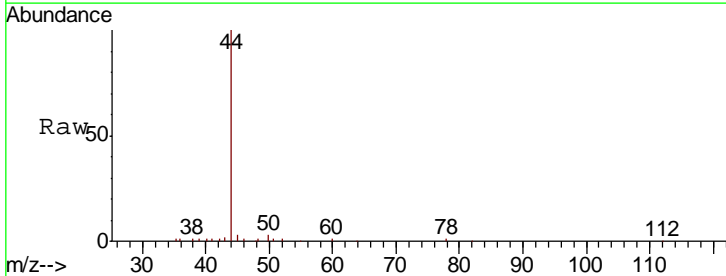
Instrument : MSVOA_X
 ClientSampled : EO-02-090718-B

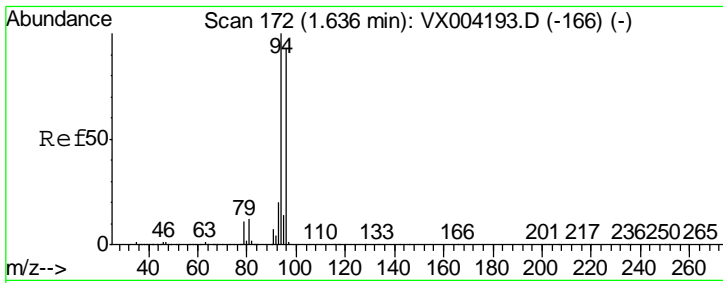
Tgt Ion	Resp	Lower	Upper
168	100		
99	48.5	39.9	59.9



#3
 Chloromethane
 Concen: 0.46 ug/l
 RT: 1.32 min Scan# 28
 Delta R.T. 0.00 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

Tgt Ion	Resp	Lower	Upper
50	100		
52	44.0	26.2	39.2

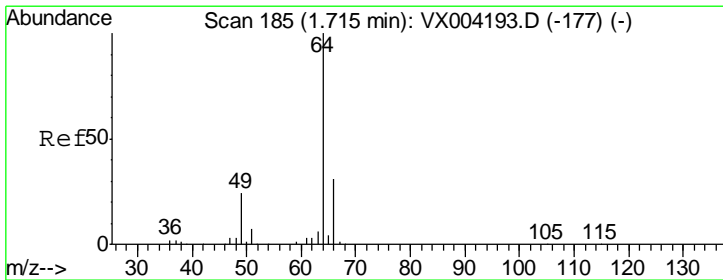
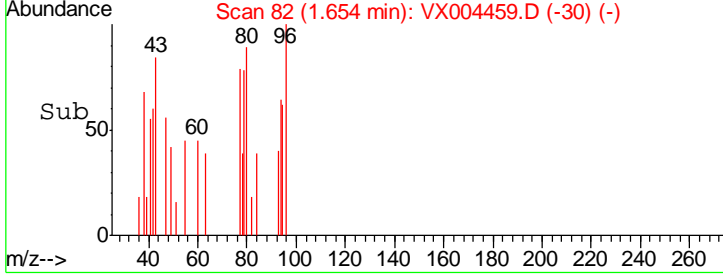
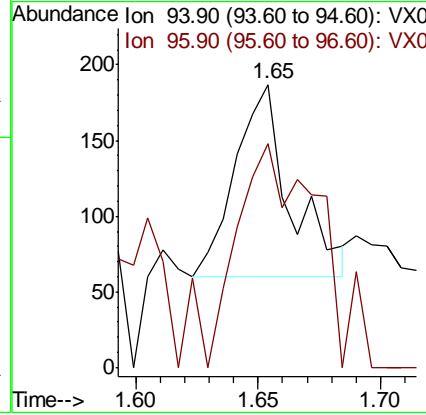
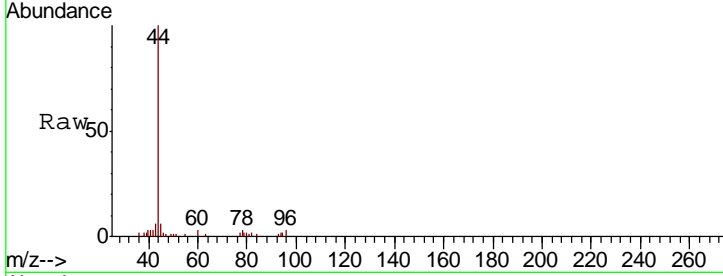




#5
 Bromomethane
 Concen: Below Cal
 RT: 1.65 min Scan# 82
 Delta R.T. 0.02 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

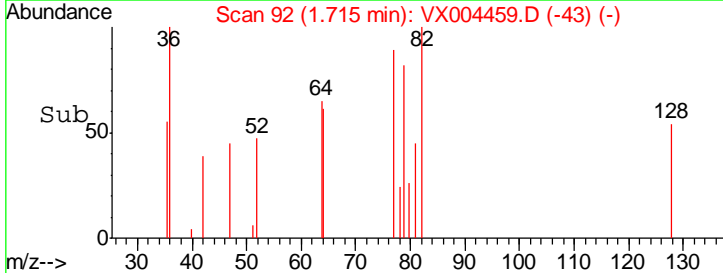
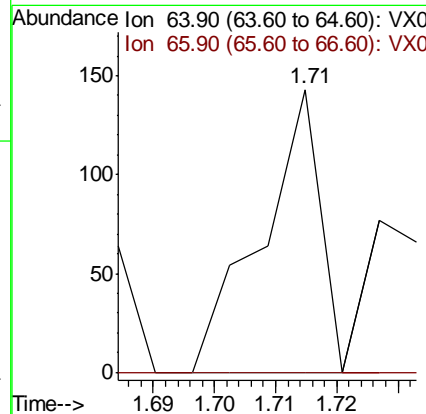
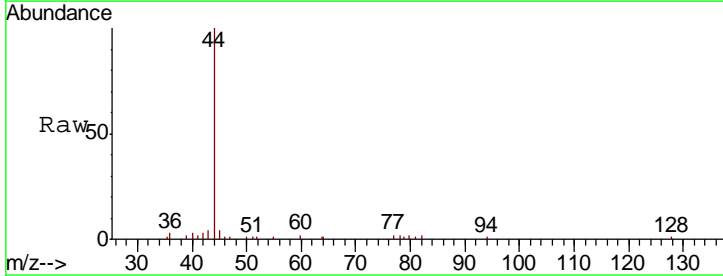
Instrument : MSVOA_X
 ClientSampled : EO-02-090718-B

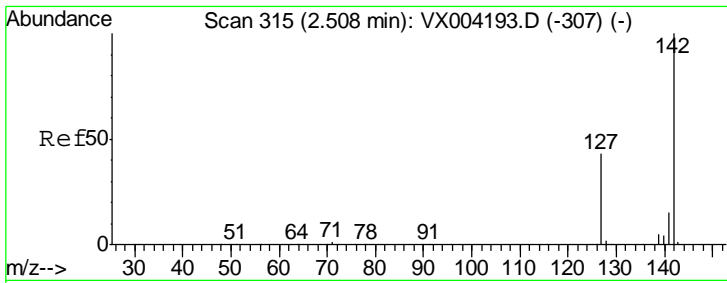
Tgt Ion: 94 Resp: 198
 Ion Ratio Lower Upper
 94 100
 96 116.5 74.5 111.7#



#6
 Chloroethane
 Concen: 1.00 ug/l
 RT: 1.71 min Scan# 92
 Delta R.T. -0.00 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

Tgt Ion: 64 Resp: 95
 Ion Ratio Lower Upper
 64 100
 66 0.0 24.6 36.8#

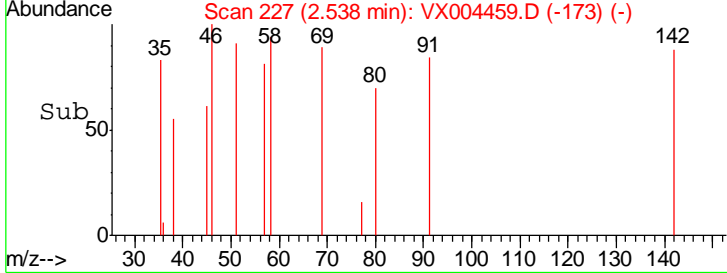
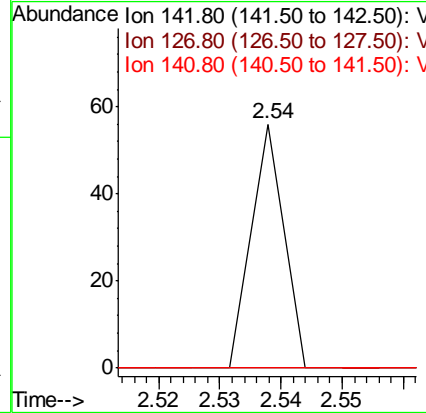
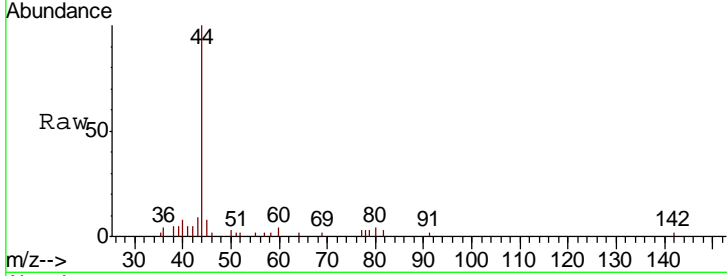




#10
 Methyl Iodide
 Concen: 4.27 ug/l
 RT: 2.54 min Scan# 227
 Delta R.T. 0.03 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

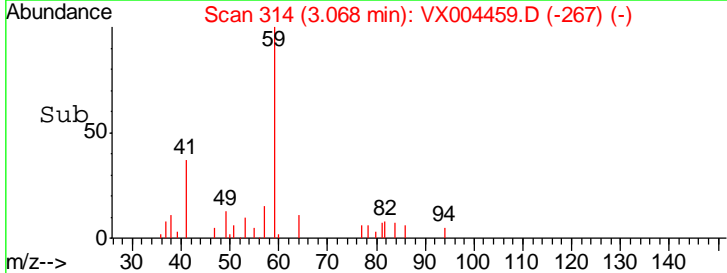
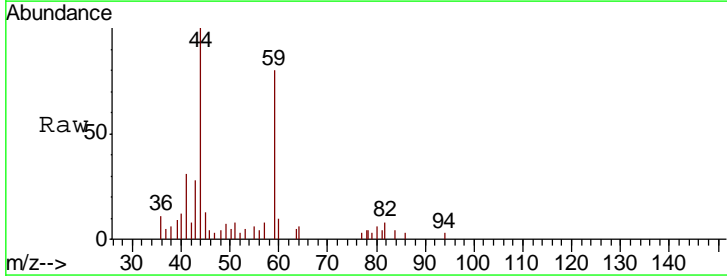
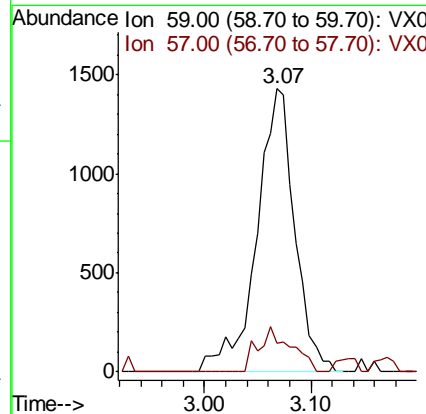
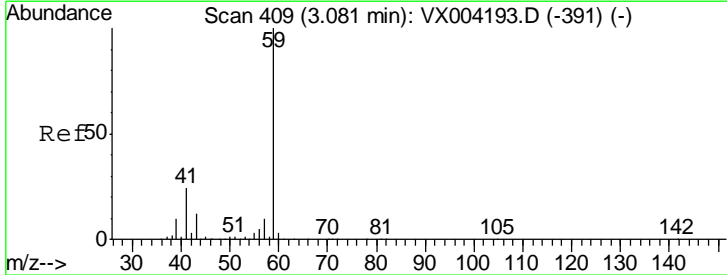
Instrument : MSVOA_X
 ClientSampled : EO-02-090718-B

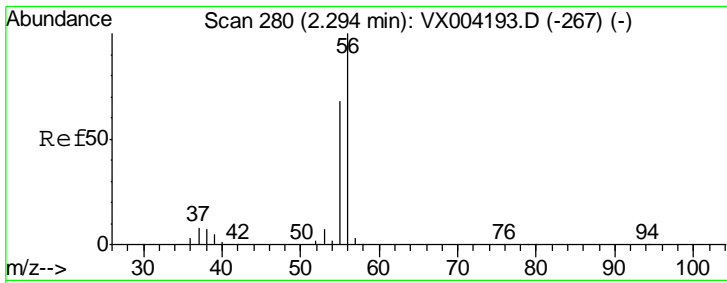
Tgt Ion	Resp	Lower	Upper
142	100		
127	0.0	33.8	50.6#
141	0.0	11.4	17.0#



#11
 Tert butyl alcohol
 Concen: 4.55 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

Tgt Ion	Resp	Lower	Upper
59	100		
57	13.8	8.2	12.4#

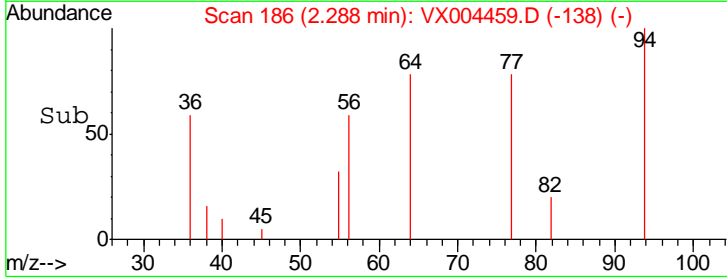
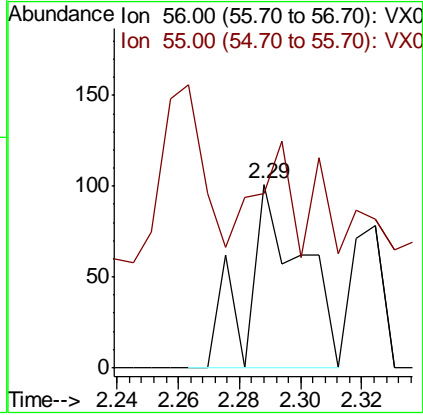
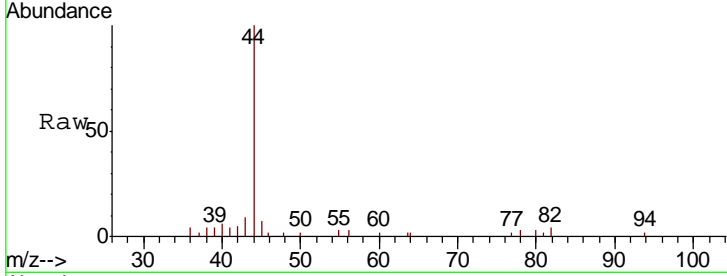




#13
 Acrolein
 Concen: 0.67 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

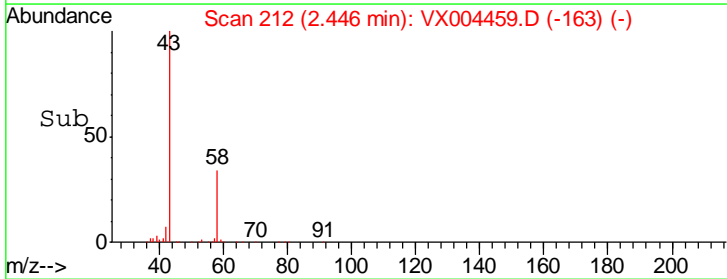
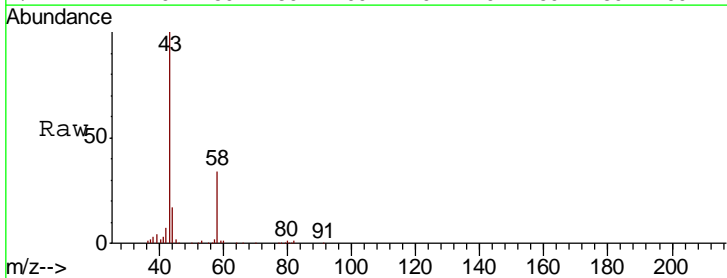
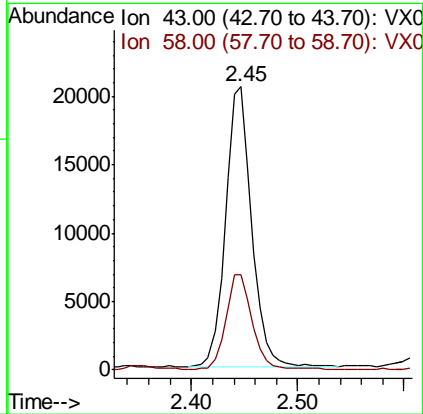
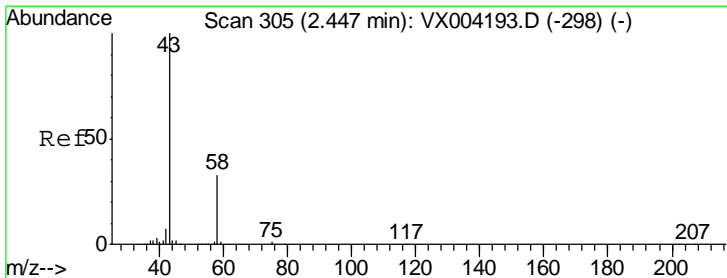
Instrument : MSVOA_X
 ClientSampled : EO-02-090718-B

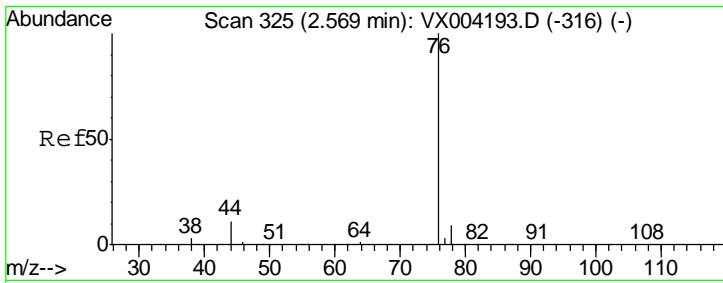
Tot Ion: 56 Resp: 126
 Ion Ratio Lower Upper
 56 100
 55 42.1 54.7 82.1#



#16
 Acetone
 Concen: 15.70 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

Tgt Ion: 43 Resp: 34901
 Ion Ratio Lower Upper
 43 100
 58 34.2 26.2 39.4

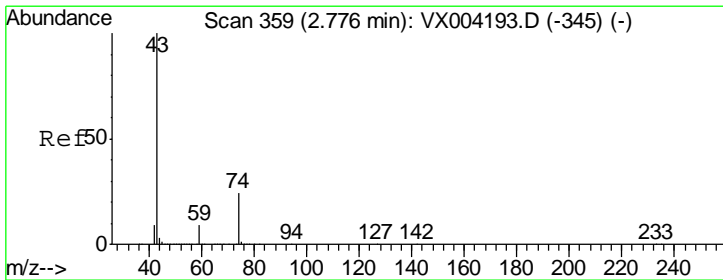
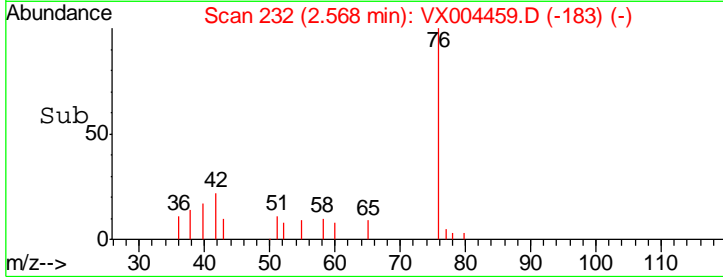
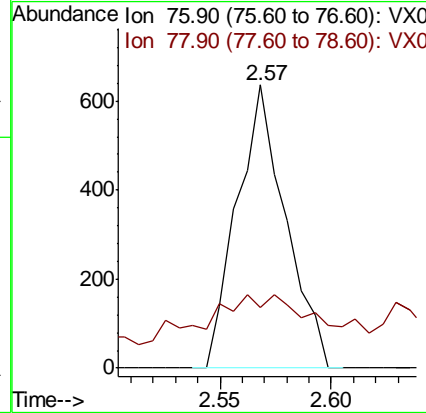
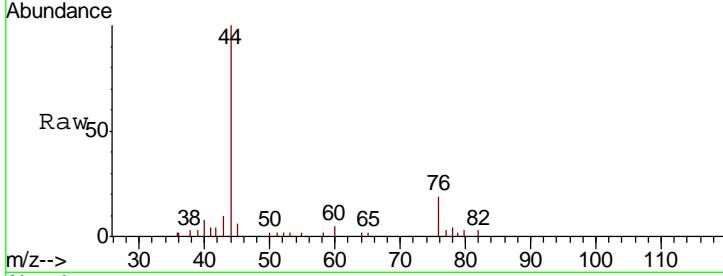




#17
 Carbon Disulfide
 Concen: 0.91 ug/l
 RT: 2.57 min Scan# 232
 Delta R.T. 0.00 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

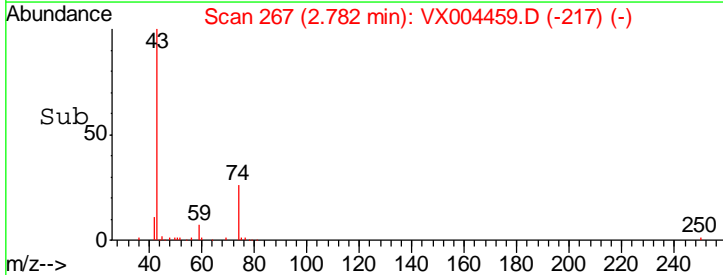
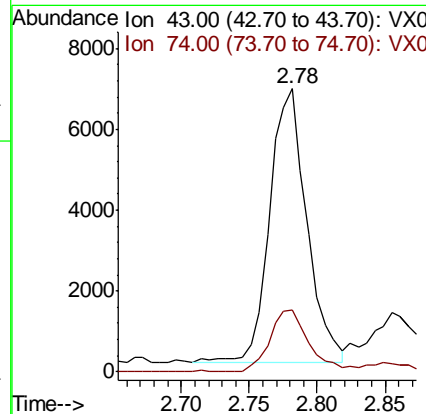
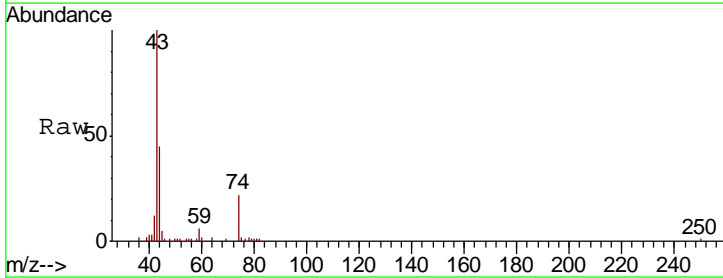
Instrument :
 MSVOA_X
 ClientSampled :
 EO-02-090718-B

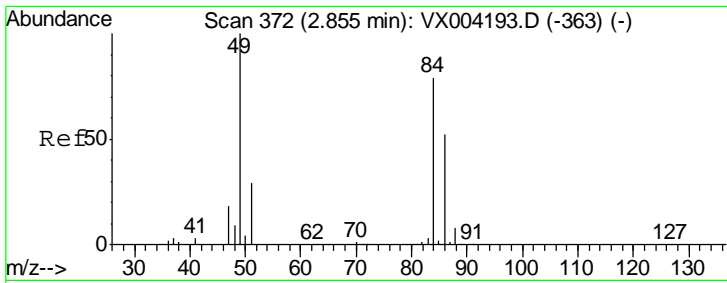
Tgt Ion	Resp	Lower	Upper
76	964		
78	6.8	7.0	10.6#



#18
 Methyl Acetate
 Concen: 2.37 ug/l
 RT: 2.78 min Scan# 267
 Delta R.T. 0.01 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

Tgt Ion	Resp	Lower	Upper
43	12911		
74	24.1	19.4	29.2

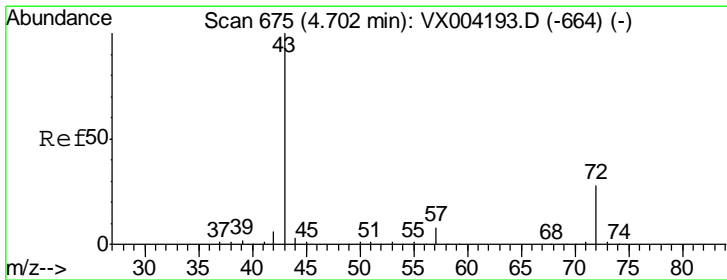
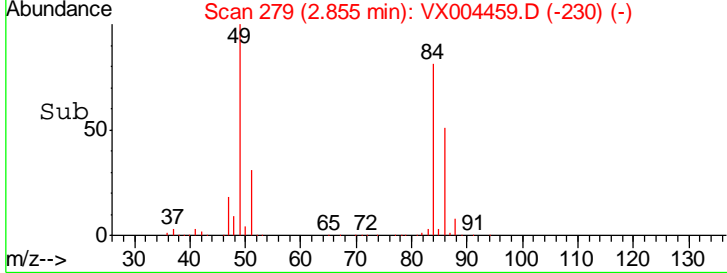
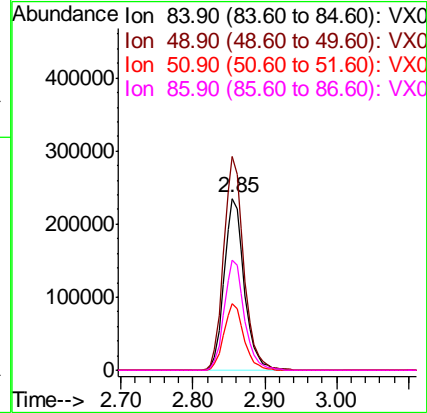
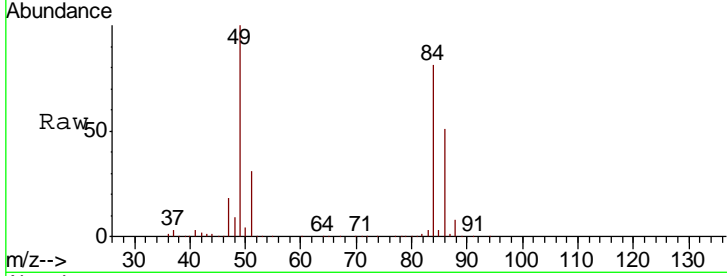




#20
 Methylene Chloride
 Concen: 128.74 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

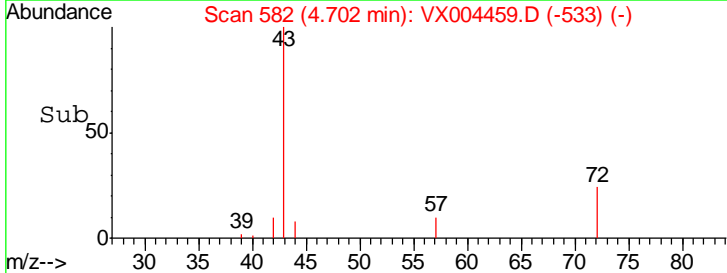
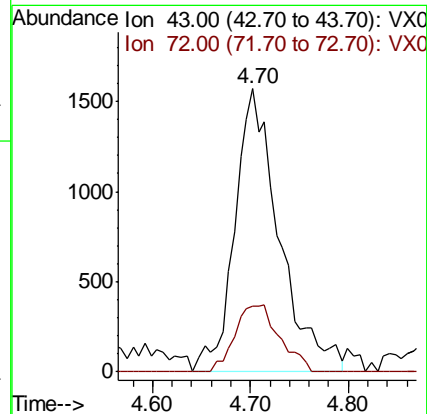
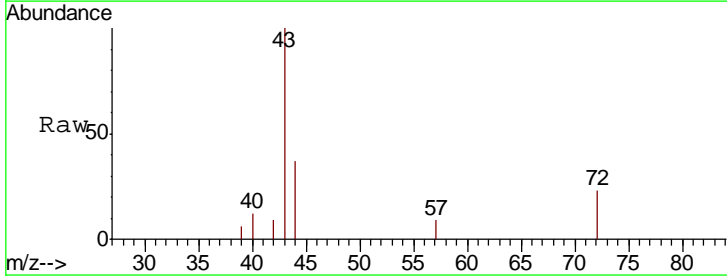
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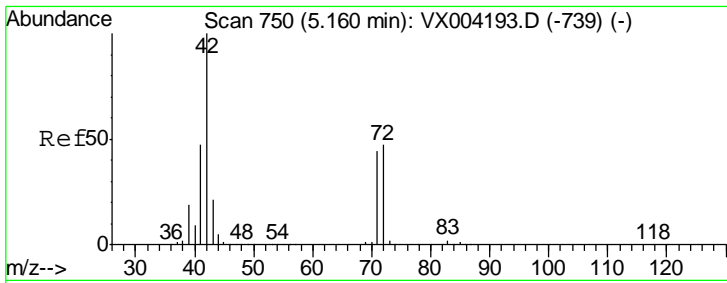
Tgt Ion	Resp	Lower	Upper
84	100		
49	124.1	101.2	151.8
51	38.3	29.5	44.3
86	63.8	52.3	78.5



#25
 2-Butanone
 Concen: Below Cal
 RT: 4.70 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

Tgt Ion	Resp	Lower	Upper
43	100		
72	23.1	22.0	33.0



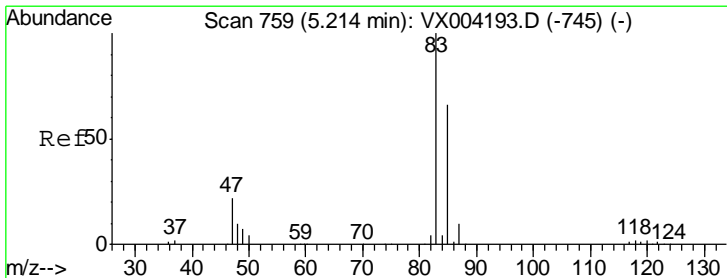
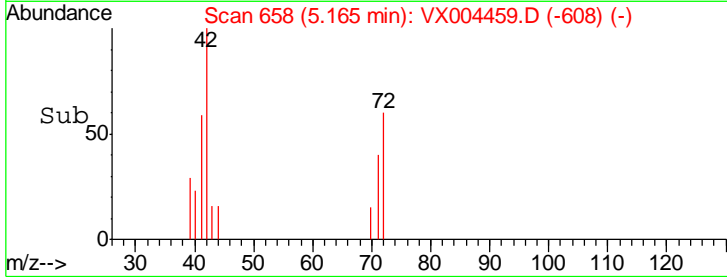
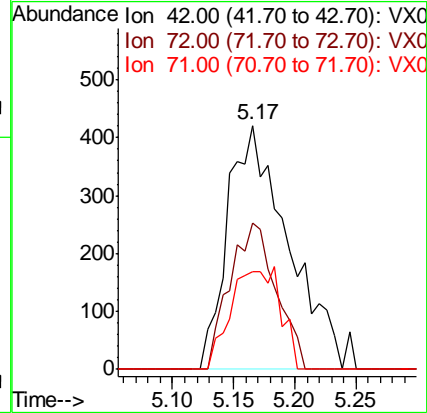
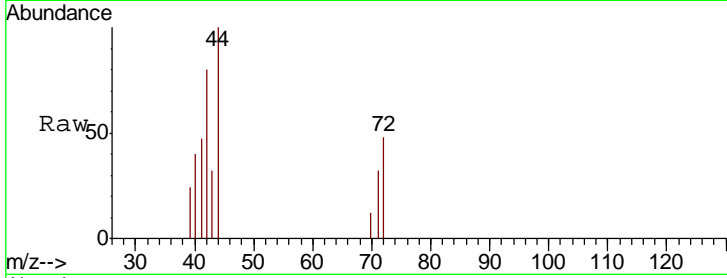


#29
 Tetrahydrofuran
 Concen: 0.91 ug/l
 RT: 5.17 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

Instrument :
 MSVOA_X
 ClientSampled :
 EO-02-090718-B

Tgt Ion: 42 Resp: 1438

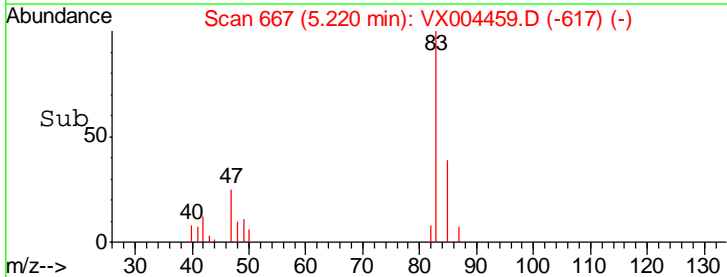
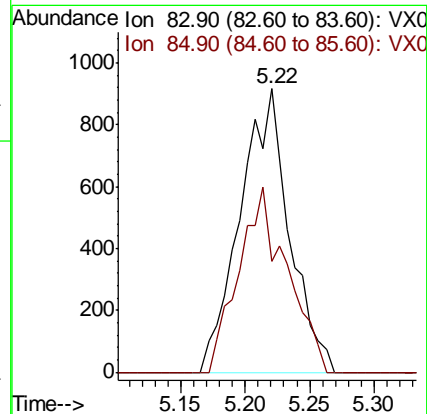
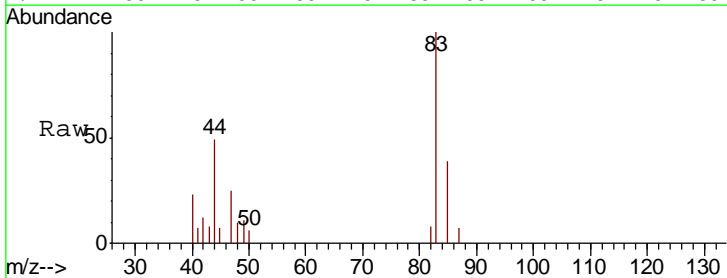
Ion	Ratio	Lower	Upper
42	100		
72	46.1	37.4	56.0
71	34.1	34.5	51.7#

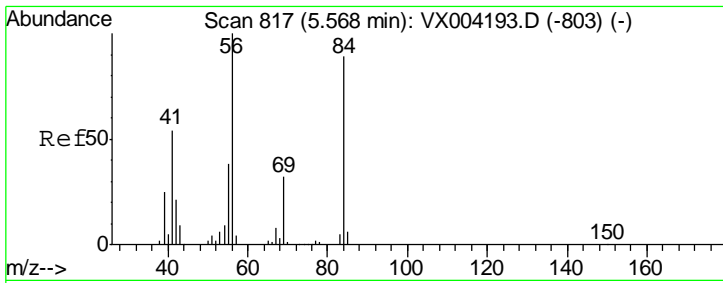


#30
 Chloroform
 Concen: 0.41 ug/l
 RT: 5.22 min Scan# 667
 Delta R.T. 0.01 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

Tgt Ion: 83 Resp: 2430

Ion	Ratio	Lower	Upper
83	100		
85	39.2	52.6	79.0#

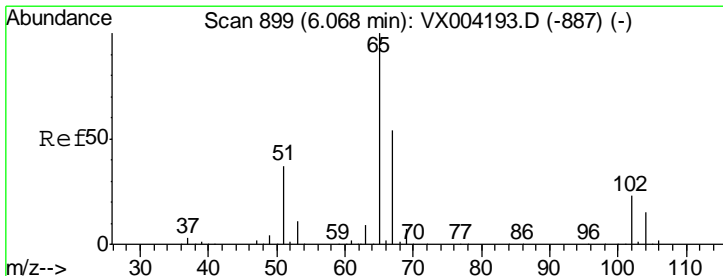
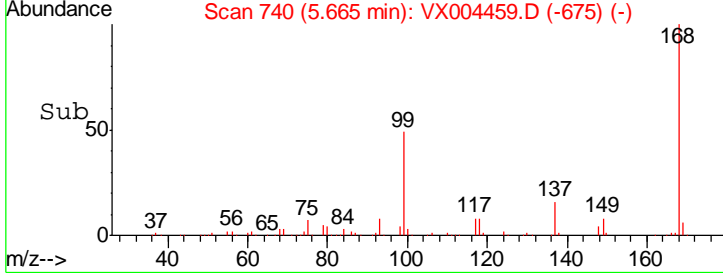
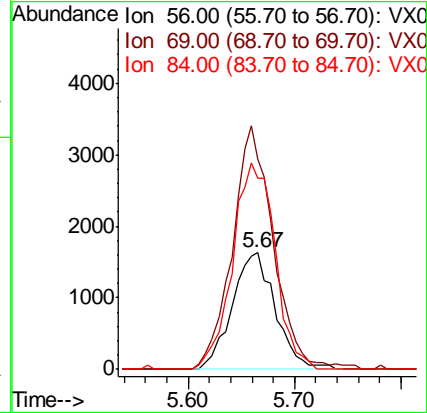
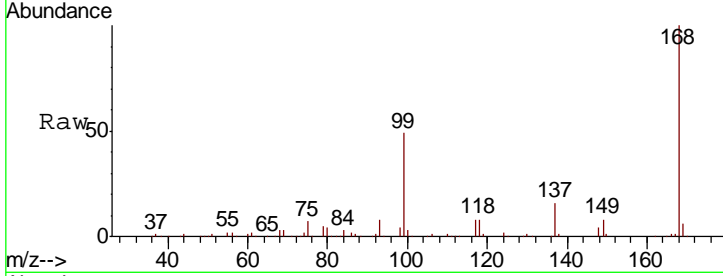




#31
 Cyclohexane
 Concen: 0.90 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.10 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

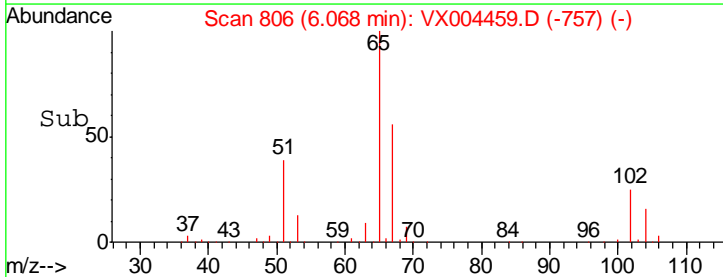
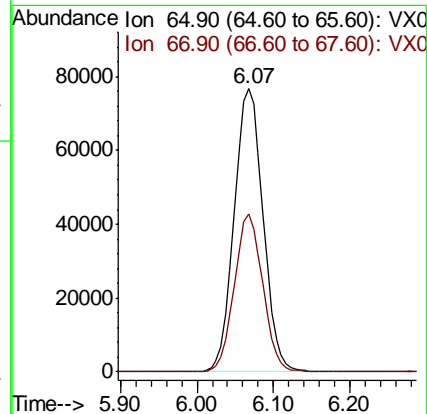
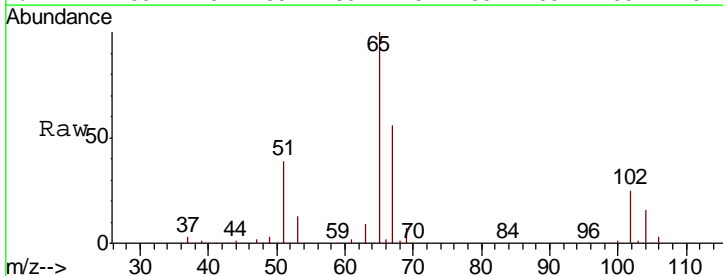
Instrument : MSVOA_X
 ClientSampled : EO-02-090718-B

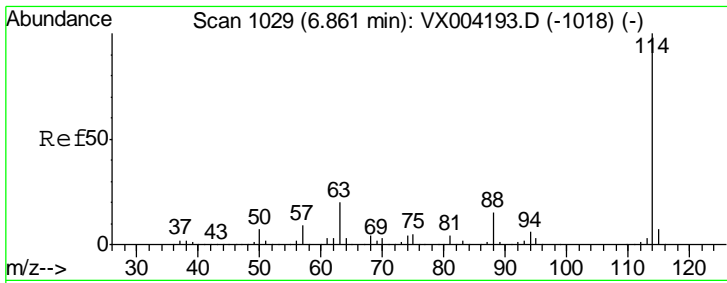
Tgt Ion	Resp	Lower	Upper
56	100		
69	181.0	25.4	38.2#
84	164.0	71.4	107.2#



#33
 1,2-Dichloroethane-d4
 Concen: 54.78 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

Tgt Ion	Resp	Lower	Upper
65	100		
67	54.7	0.0	106.8

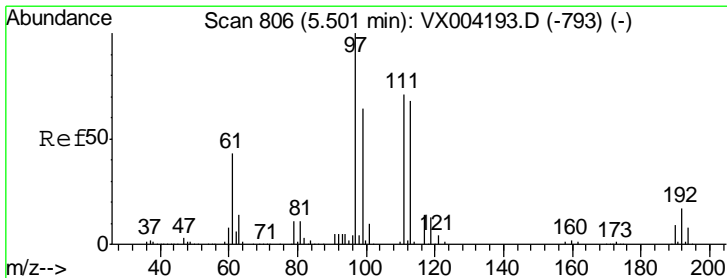
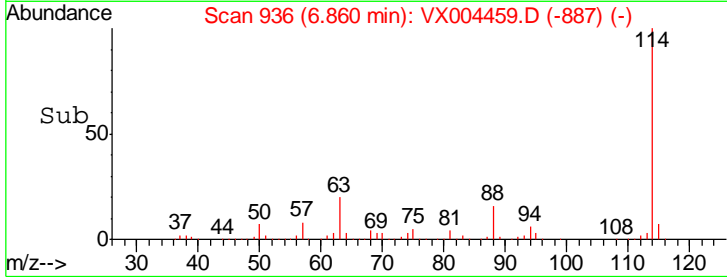
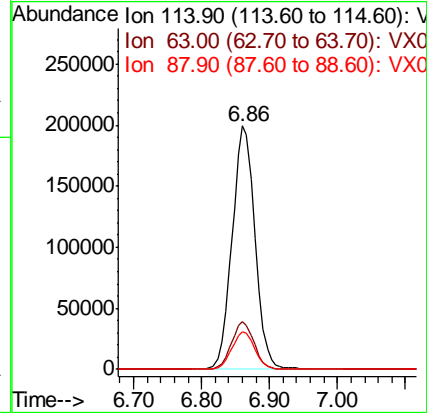
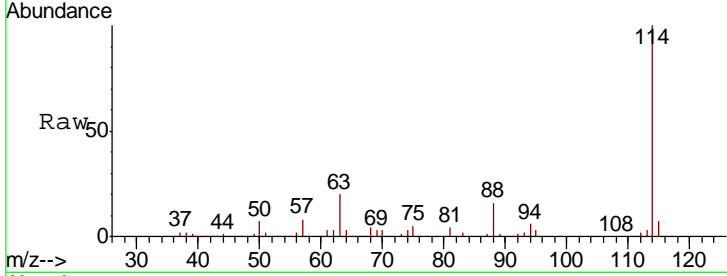




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

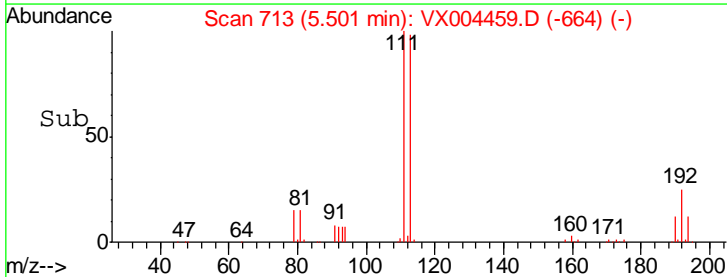
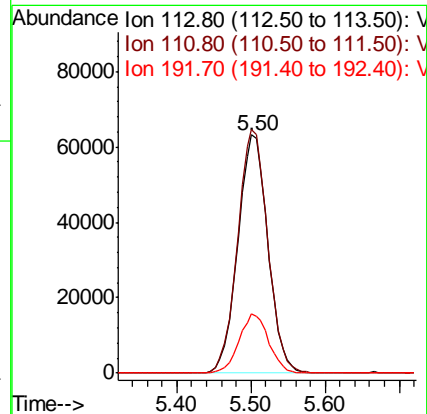
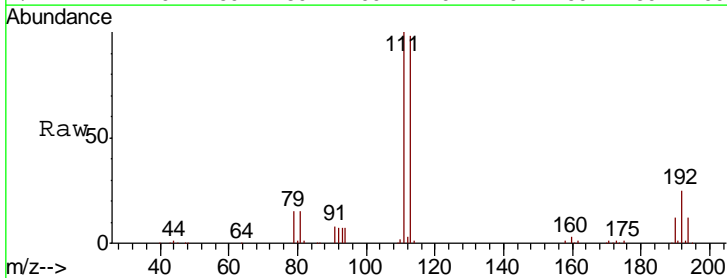
Instrument :
 MSVOA_X
 ClientSampled :
 EO-02-090718-B

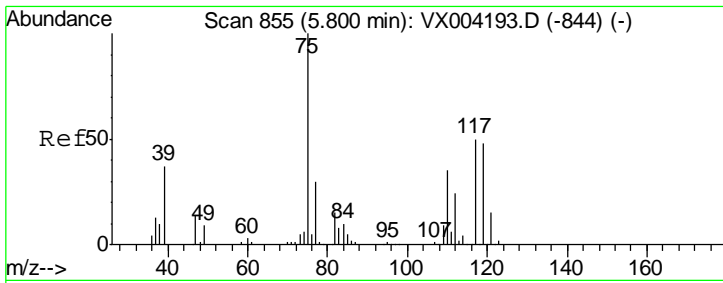
Tgt Ion	Resp	Lower	Upper
114	463610		
63	19.7	0.0	39.0
88	15.7	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 51.94 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

Tgt Ion	Resp	Lower	Upper
113	179145		
111	102.2	82.4	123.6
192	24.4	19.4	29.2

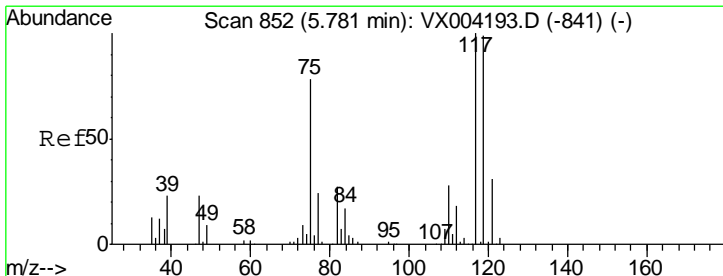
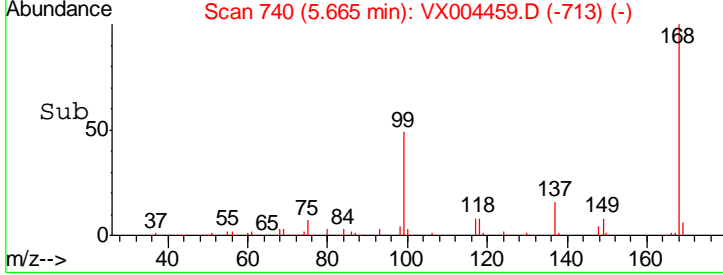
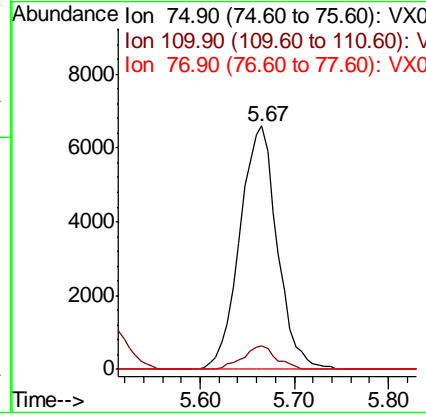
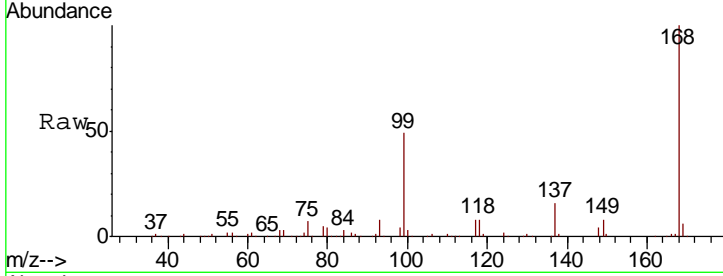




#36
 1,1-Dichloropropene
 Concen: 3.51 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

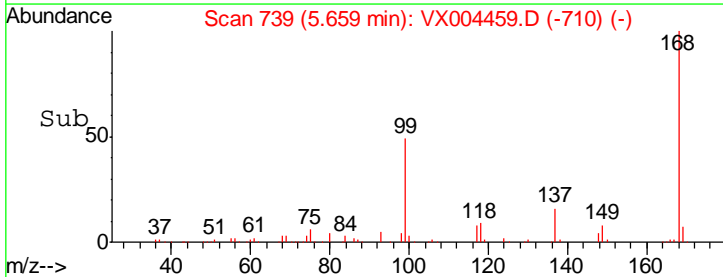
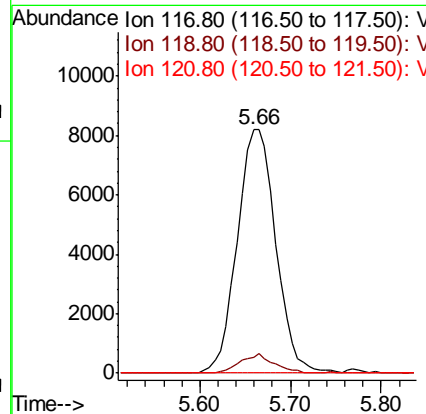
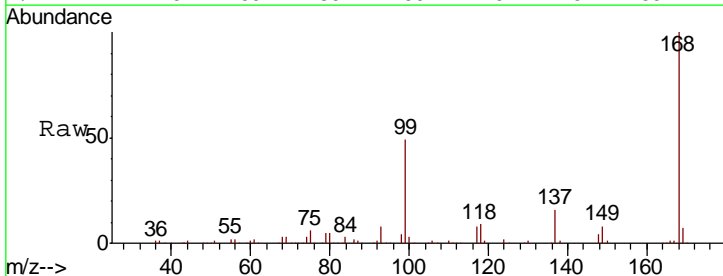
Instrument : MSVOA_X
 ClientSampled : EO-02-090718-B

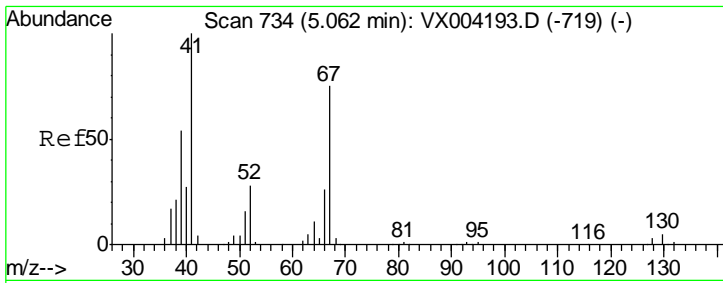
Tgt Ion	Resp	Lower	Upper
75	18276		
110	8.6	18.0	54.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 4.92 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

Tgt Ion	Resp	Lower	Upper
117	24145		
119	6.4	78.8	118.2#
121	0.0	24.9	37.3#



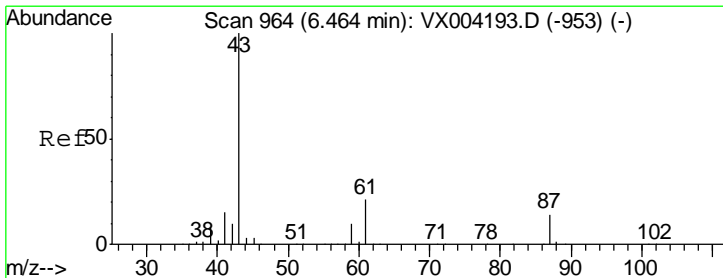
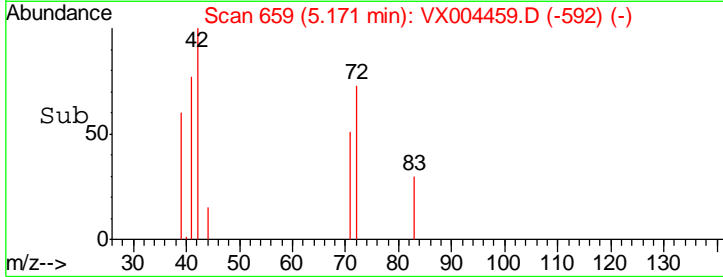
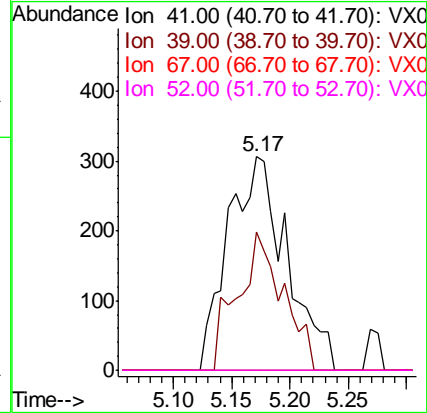
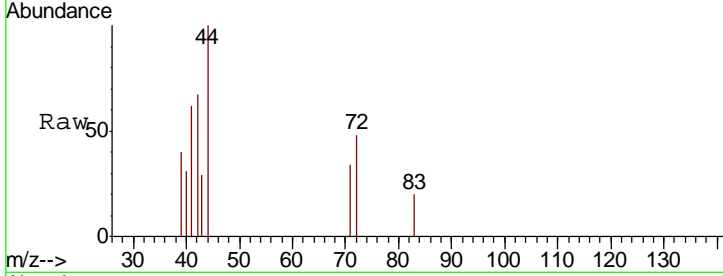


#41
 Methacrylonitrile
 Concen: 0.36 ug/l
 RT: 5.17 min Scan# 659
 Delta R.T. 0.11 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

Instrument :
 MSVOA_X
 ClientSampled :
 EO-02-090718-B

Tgt Ion: 41 Resp: 1072

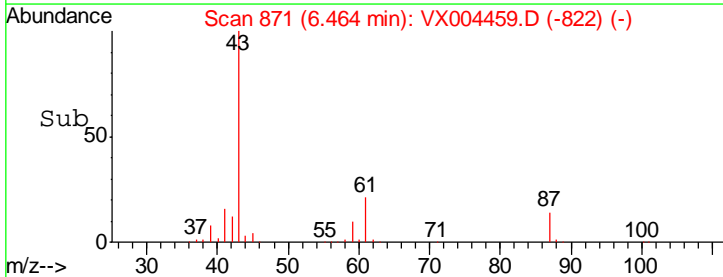
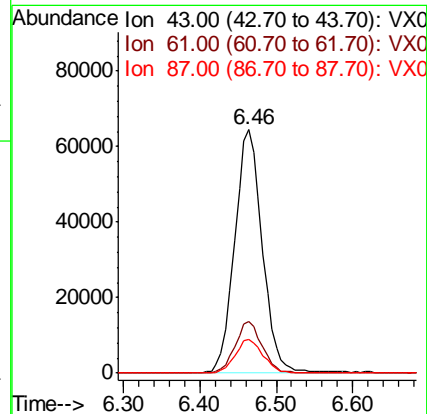
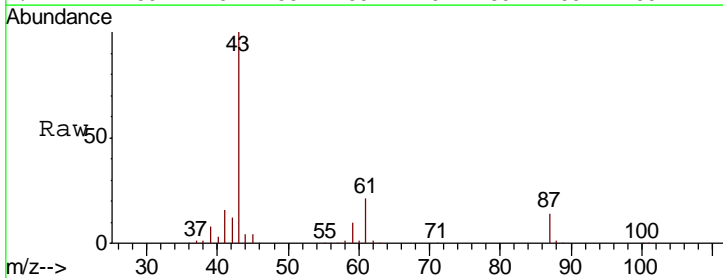
Ion	Ratio	Lower	Upper
41	100		
39	50.4	42.4	63.6
67	0.0	59.2	88.8#
52	0.0	23.0	34.4#

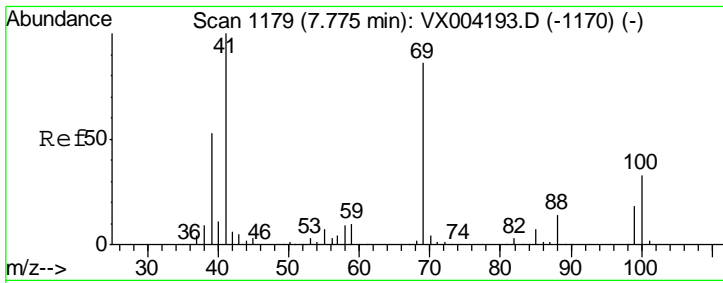


#43
 Isopropyl Acetate
 Concen: 20.47 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

Tgt Ion: 43 Resp: 161207

Ion	Ratio	Lower	Upper
43	100		
61	20.7	17.0	25.4
87	13.9	11.4	17.2

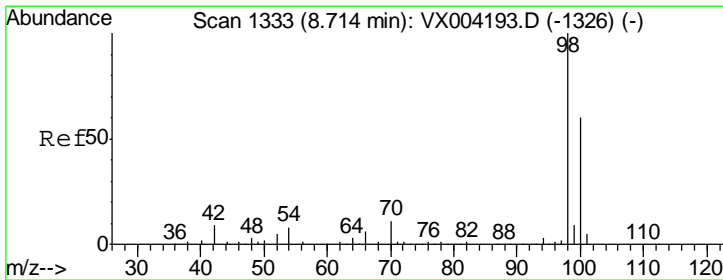
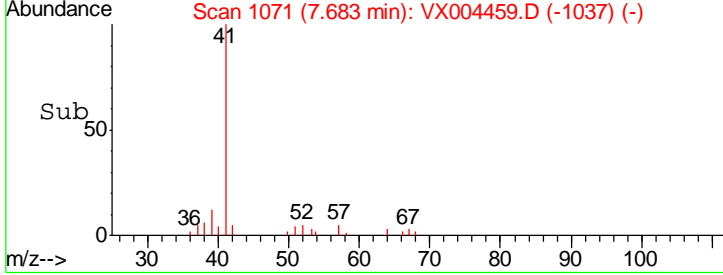
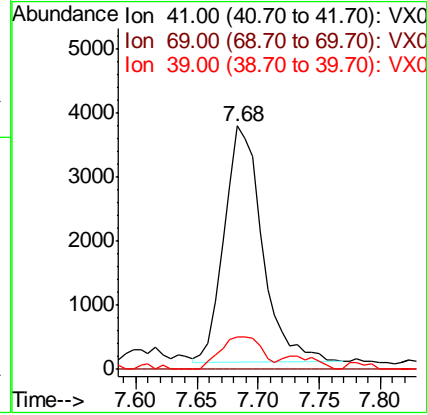
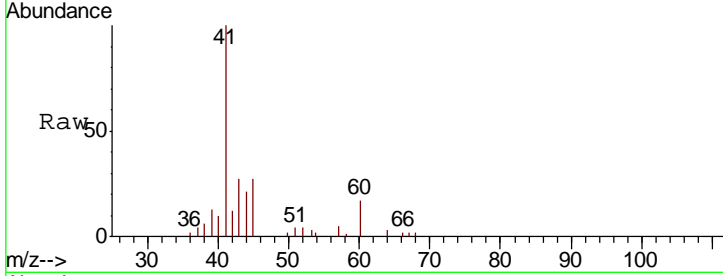




#48
 Methyl methacrylate
 Concen: 1.89 ug/l
 RT: 7.68 min Scan# 1071
 Delta R.T. -0.09 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

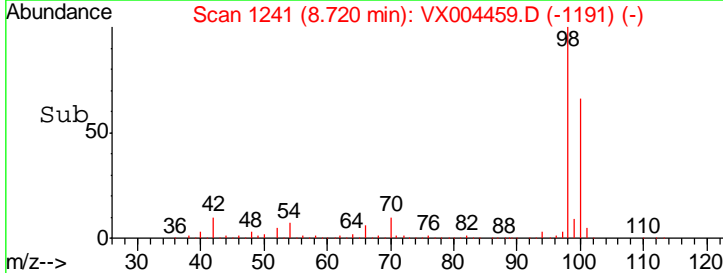
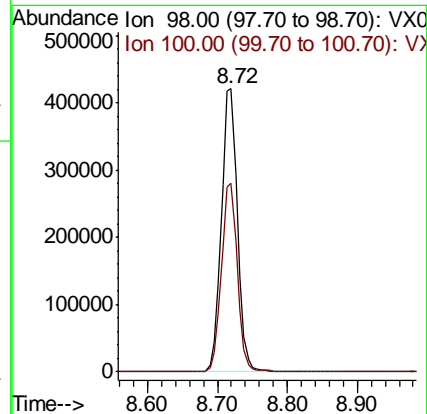
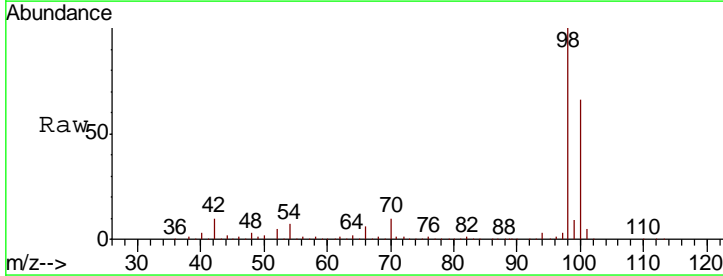
Instrument :
 MSVOA_X
ClientSampled :
 EO-02-090718-B

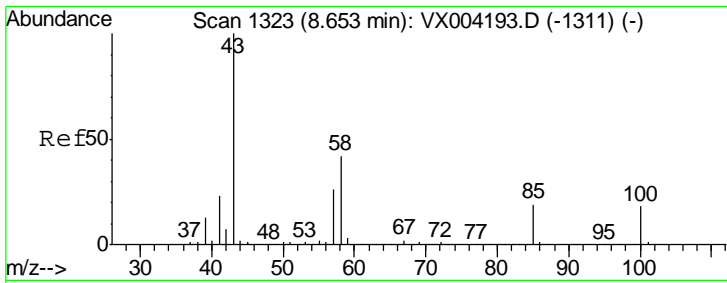
Tgt Ion	Resp	Lower	Upper
41	100		
69	0.0	70.2	105.4#
39	15.0	42.7	64.1#



#50
 Toluene-d8
 Concen: 51.71 ug/l
 RT: 8.72 min Scan# 1241
 Delta R.T. 0.01 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

Tgt Ion	Resp	Lower	Upper
98	100		
100	66.1	52.9	79.3

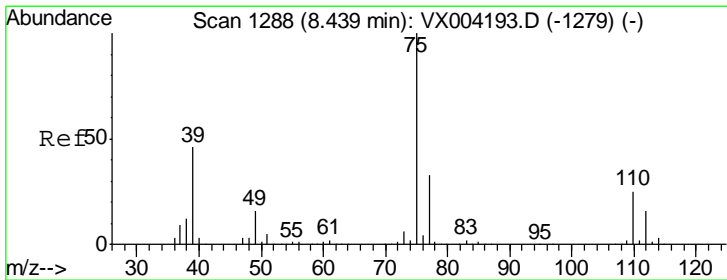
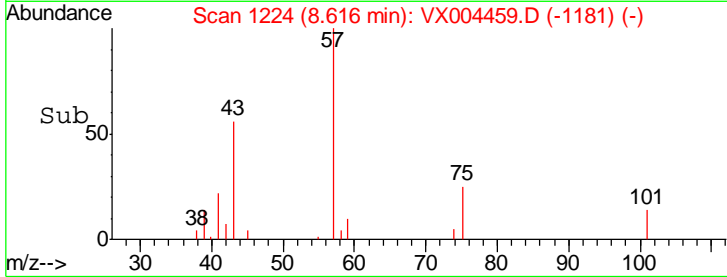
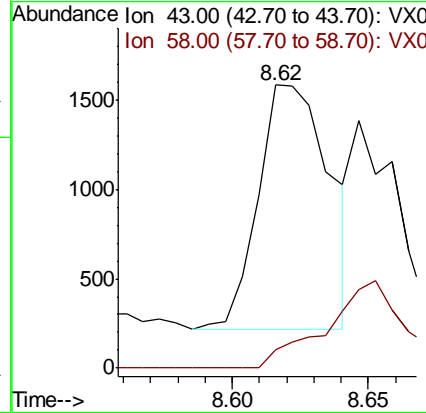
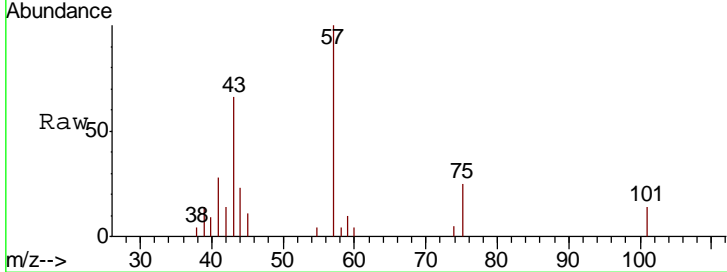




#51
 4-Methyl-2-Pentanone
 Concen: 0.43 ug/l
 RT: 8.62 min Scan# 1224
 Delta R.T. -0.04 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

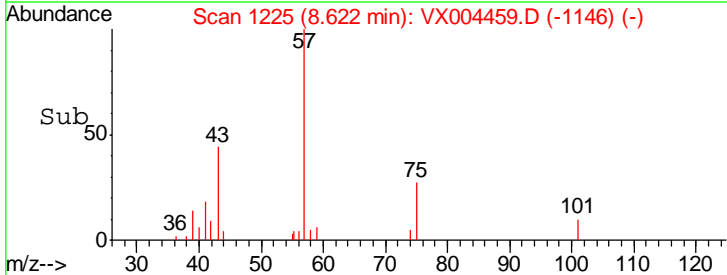
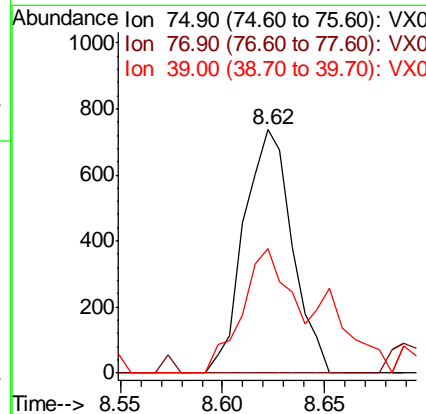
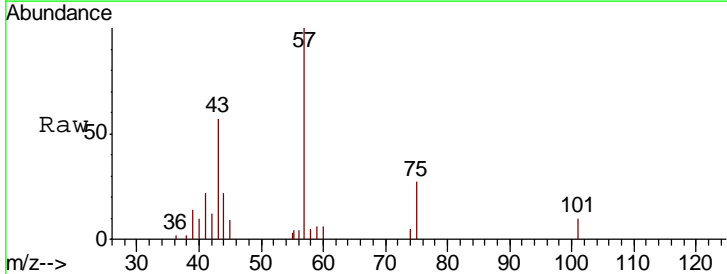
Instrument : MSVOA_X
 ClientSampled : EO-02-090718-B

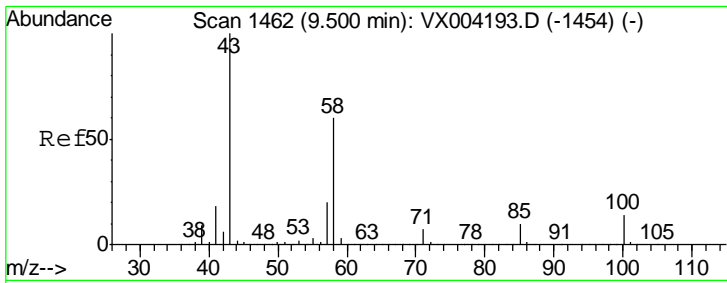
Tgt Ion	Resp	Lower	Upper
43	100		
58	0.0	33.1	49.7#



#54
 cis-1,3-Dichloropropene
 Concen: 0.21 ug/l
 RT: 8.62 min Scan# 1225
 Delta R.T. 0.18 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

Tgt Ion	Resp	Lower	Upper
75	100		
77	0.0	26.2	39.2#
39	51.3	36.4	54.6

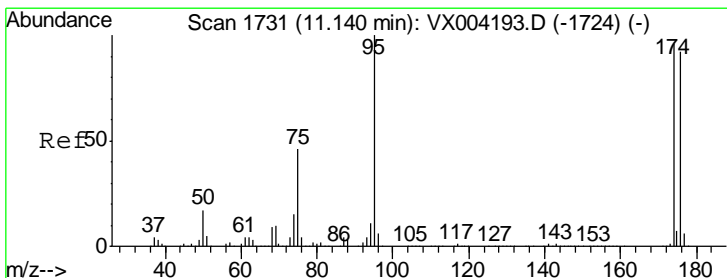
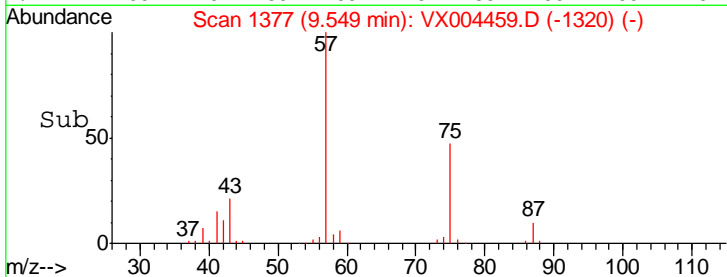
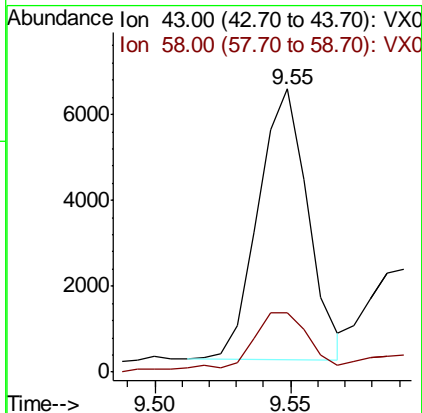
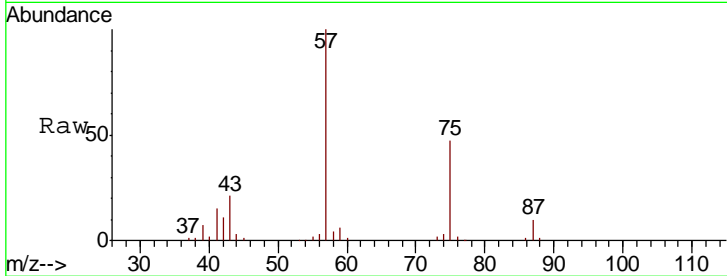




#59
 2-Hexanone
 Concen: 1.82 ug/l
 RT: 9.55 min Scan# 1377
 Delta R.T. 0.05 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

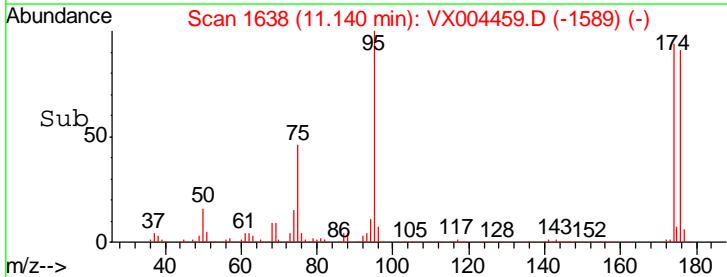
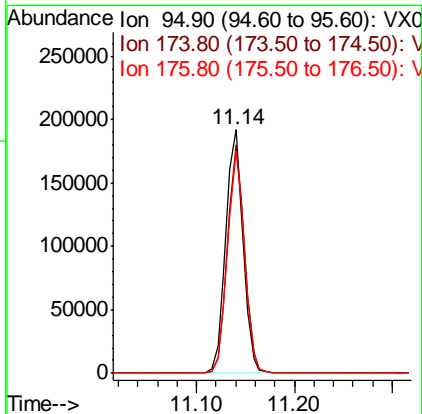
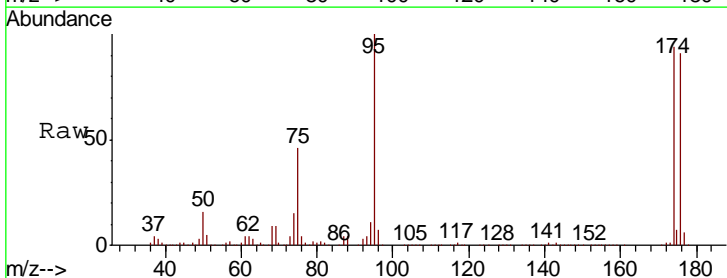
Instrument :
 MSVOA_X
 ClientSampled :
 EO-02-090718-B

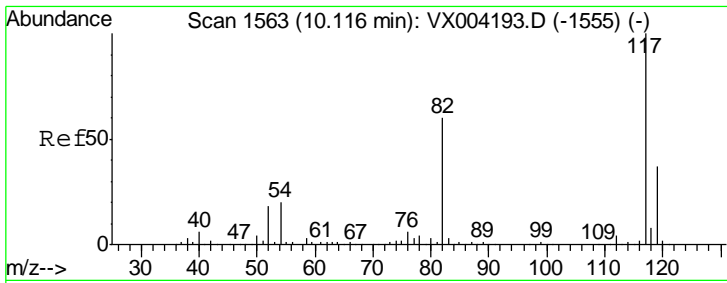
Tgt Ion	Resp	Lower	Upper
43	100		
58	27.2	29.0	87.0#



#62
 4-Bromofluorobenzene
 Concen: 48.75 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

Tgt Ion	Resp	Lower	Upper
95	100		
174	93.0	0.0	185.2
176	89.7	0.0	178.6

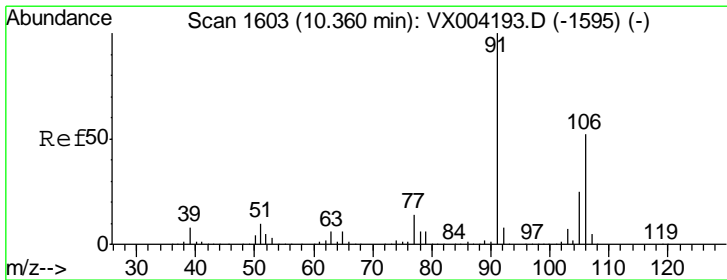
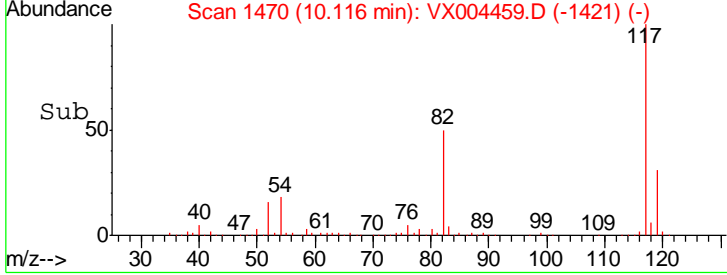
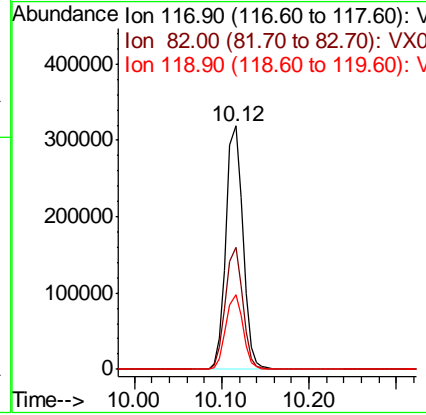
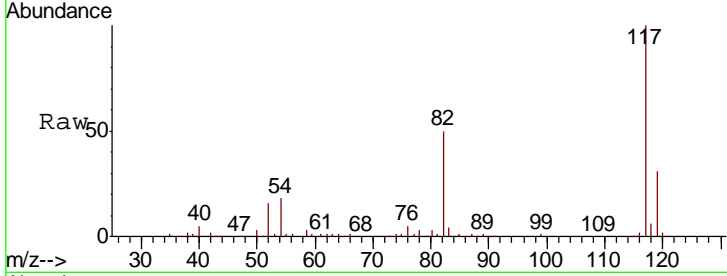




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 10.12 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

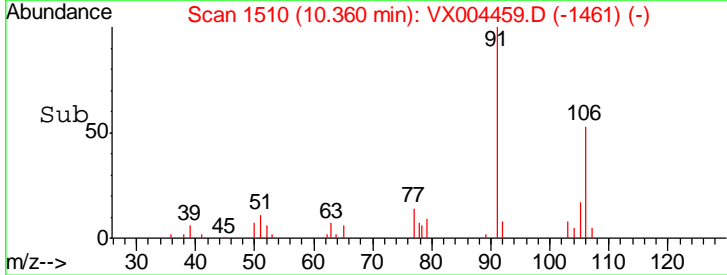
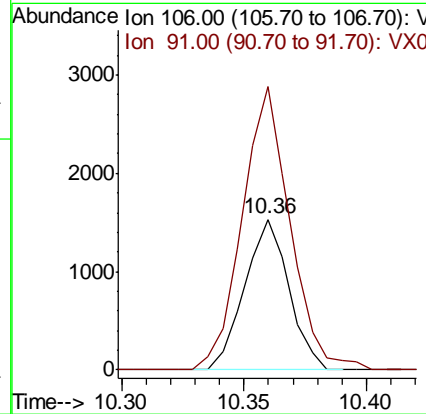
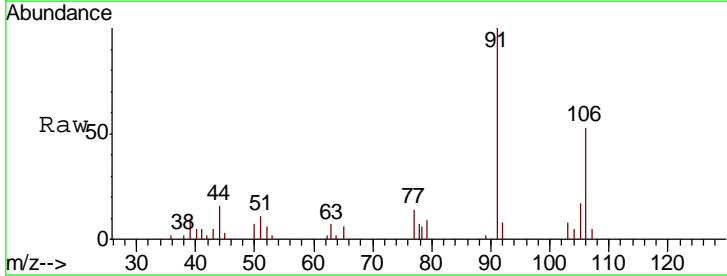
Instrument : MSVOA_X
 ClientSampled : EO-02-090718-B

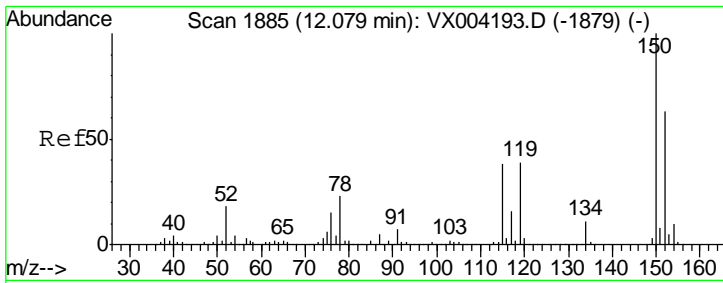
Tgt Ion	Resp	Lower	Upper
117	427471		
82	50.1	47.8	71.6
119	30.9	29.3	43.9



#68
 m/p-Xylenes
 Concen: 0.28 ug/l
 RT: 10.36 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

Tgt Ion	Resp	Lower	Upper
106	1919		
91	203.6	157.1	235.7

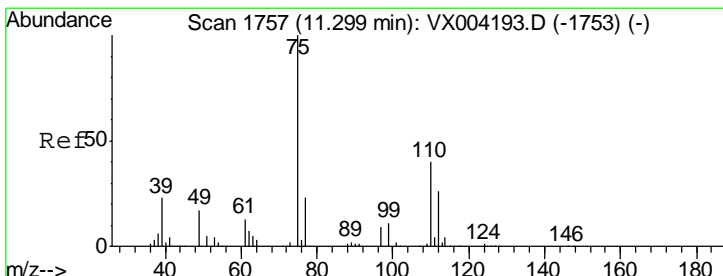
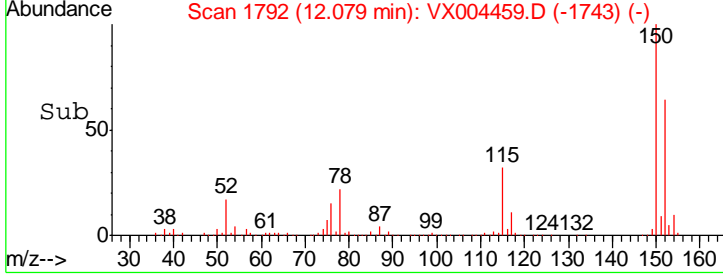
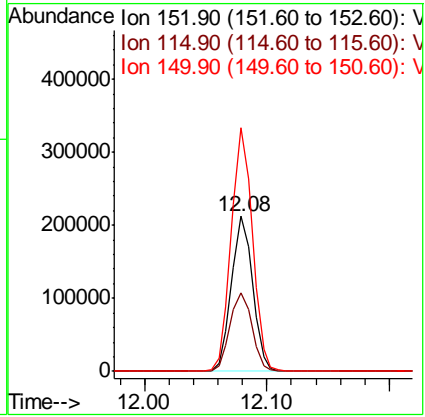
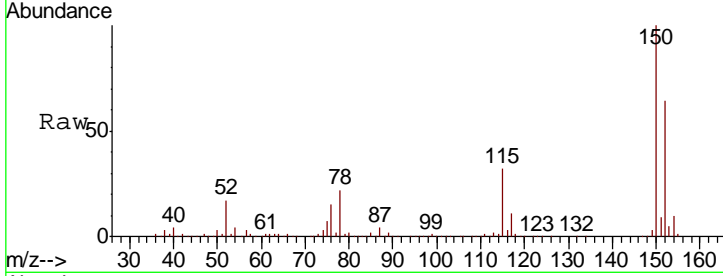




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

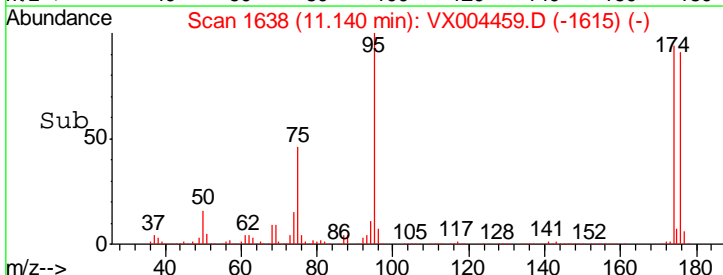
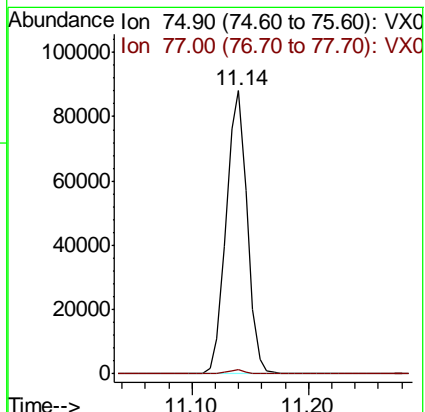
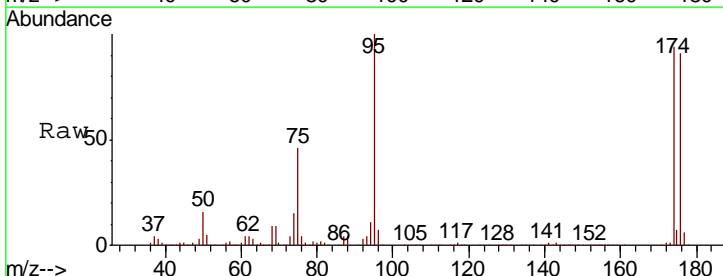
Instrument : MSVOA_X
 ClientSampled : EO-02-090718-B

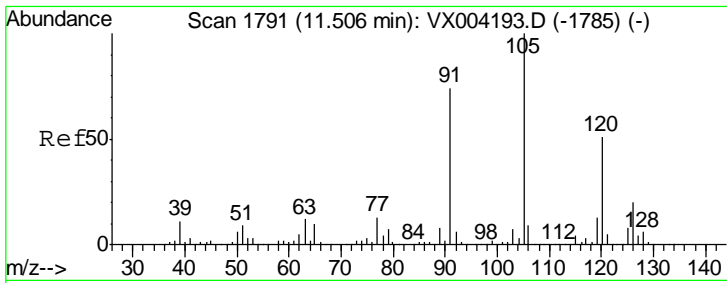
Tgt Ion	Resp	Lower	Upper
152	100		
115	53.1	39.0	117.0
150	156.7	0.0	351.0



#76
 1,2,3-Trichloropropane
 Concen: 21.33 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

Tgt Ion	Resp	Lower	Upper
75	100		
77	1.3	20.2	60.6#

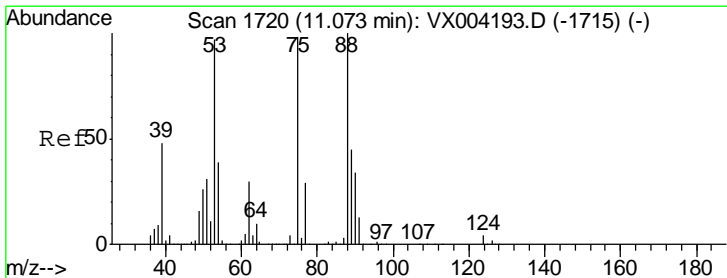
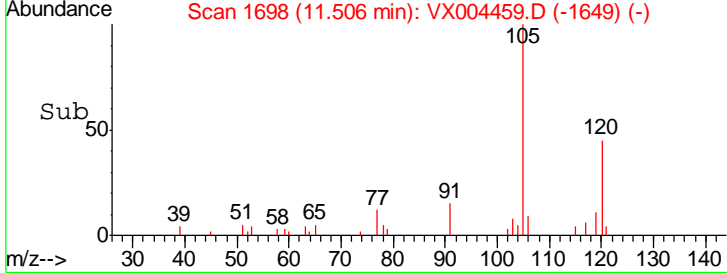
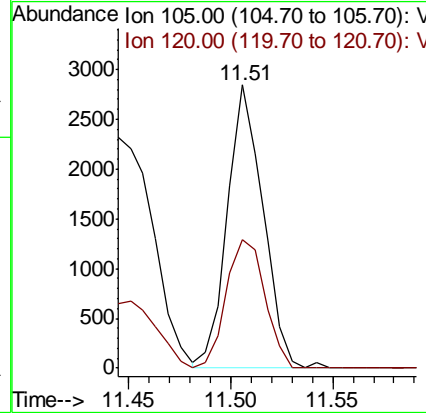
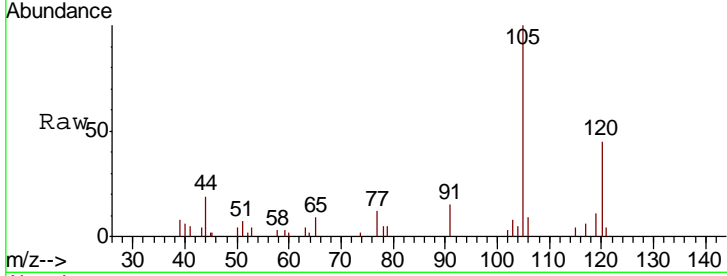




#80
 1,3,5-Trimethylbenzene
 Concen: 0.25 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

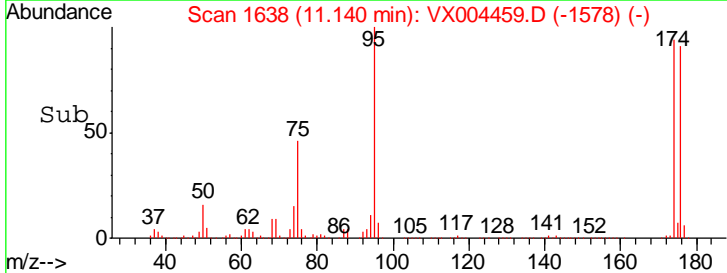
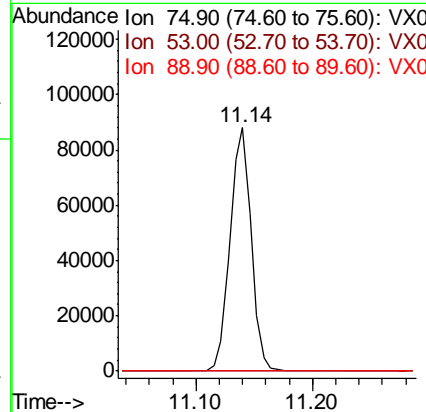
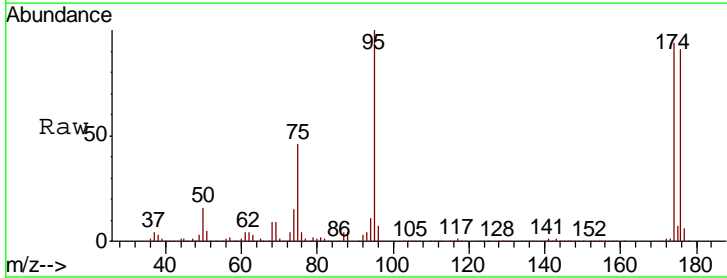
Instrument : MSVOA_X
 ClientSampled : EO-02-090718-B

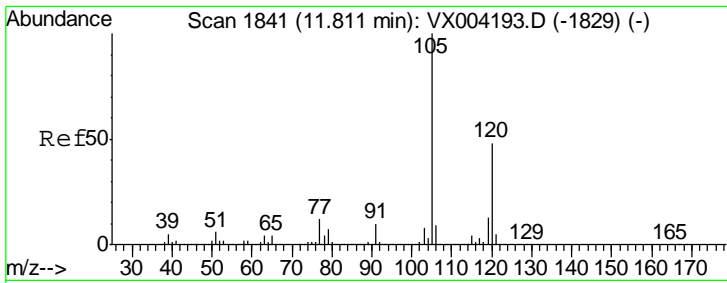
Tgt Ion	Resp	Lower	Upper
105	100		
120	49.1	25.6	76.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.22 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

Tgt Ion	Resp	Lower	Upper
75	100		
53	0.2	80.1	120.1#
89	0.0	37.2	55.8#

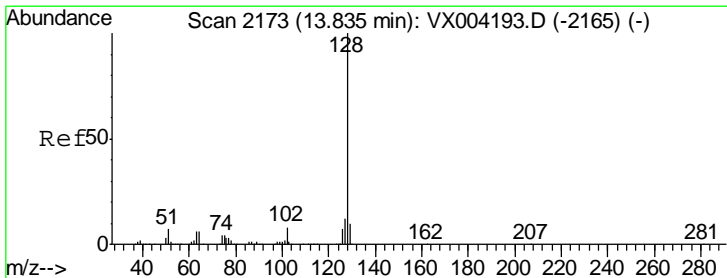
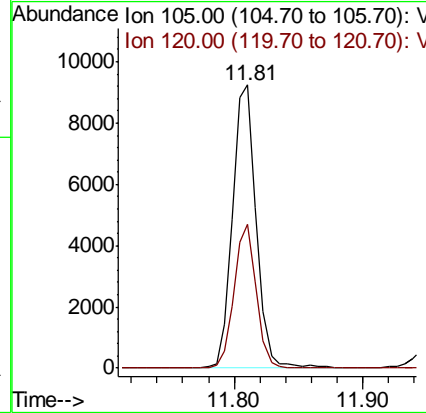
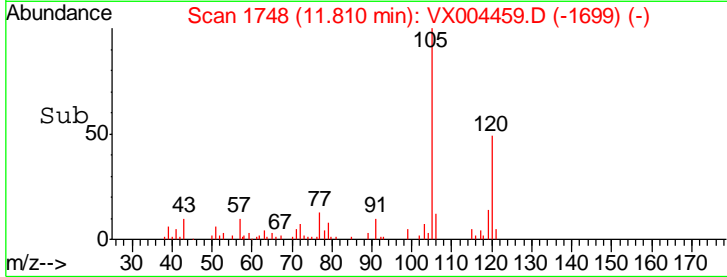
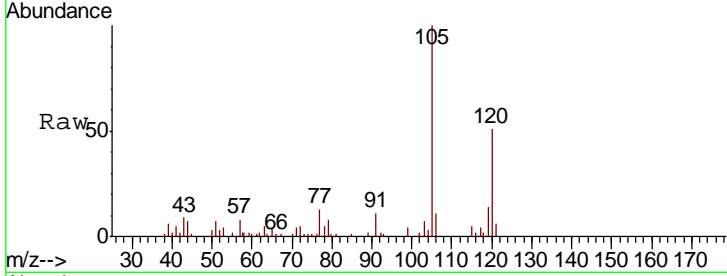




#84
 1,2,4-Trimethylbenzene
 Concen: 0.84 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

Instrument : MSVOA_X
 ClientSampled : EO-02-090718-B

Tgt Ion	Resp	Lower	Upper
105	11961		
120	47.0	23.2	69.6



#95
 Naphthalene
 Concen: 4.97 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX004459.D
 Acq: 10 Sep 2018 19:54

Tgt Ion	Resp	Lower	Upper
128	82387		
127	12.7	10.2	15.2
129	11.2	8.6	12.8

