

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122920\
 Data File : VX020442.D
 Acq On : 29 Dec 2020 18:17
 Operator : JC/MD
 Sample : L5236-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1016-MW-02(23.8)

Quant Time: Dec 30 02:39:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 18 13:09:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

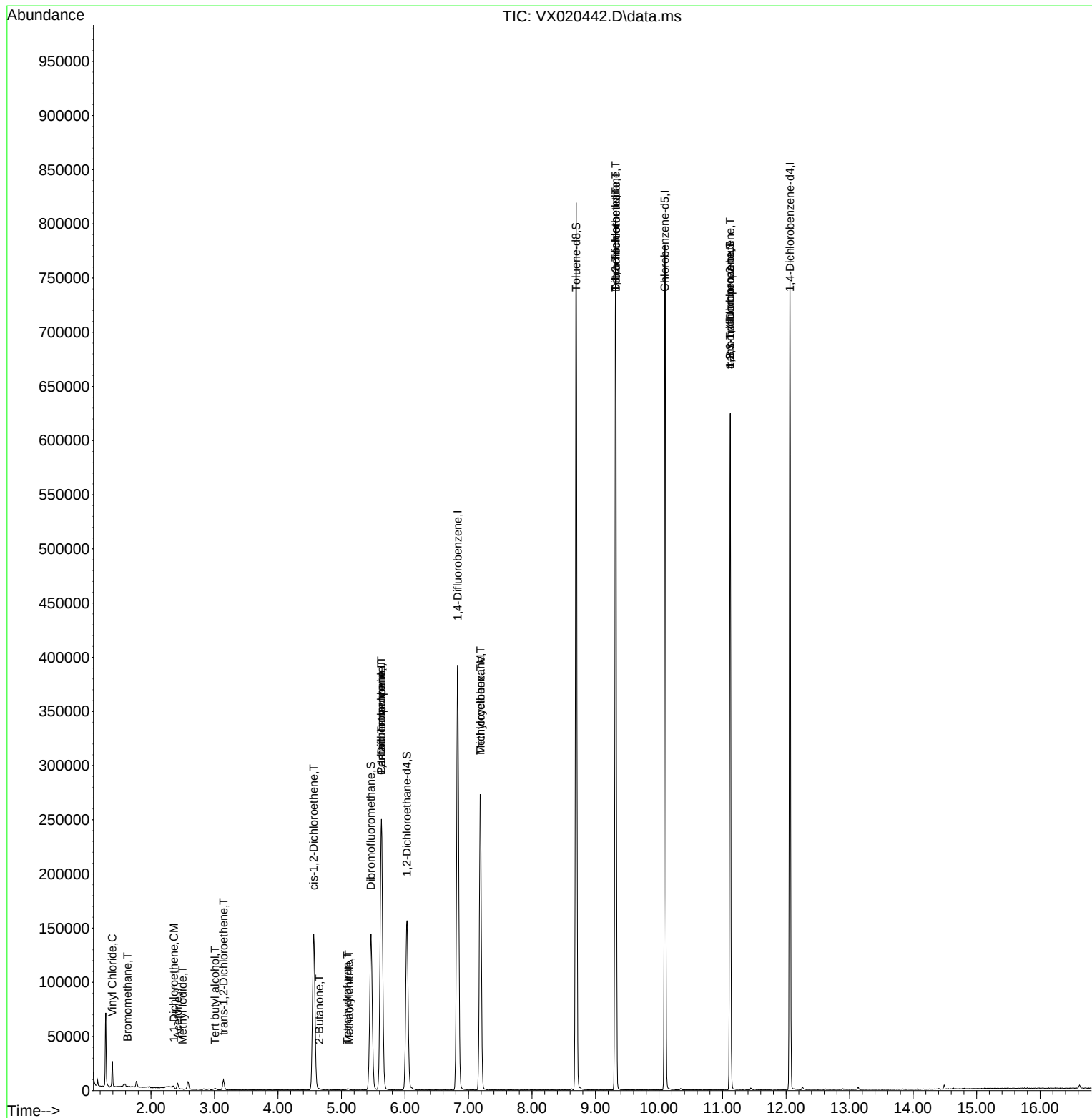
Internal Standards						
1) Pentafluorobenzene	5.629	168	244654	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	403891	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	377336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	161098	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	146924	44.80	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	89.60%		
35) Dibromofluoromethane	5.464	113	125724	48.66	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.32%		
50) Toluene-d8	8.696	98	492064	49.48	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.96%		
62) 4-Bromofluorobenzene	11.122	95	174406	45.82	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.64%		
Target Compounds						Qvalue
4) Vinyl Chloride	1.392	62	6586	1.96	ug/l	100
5) Bromomethane	1.630	94	297	0.28	ug/l #	65
10) Methyl Iodide	2.495	142	74	3.31	ug/l #	42
11) Tert butyl alcohol	3.008	59	1471	2.00	ug/l #	73
12) 1,1-Dichloroethene	2.361	96	608	0.24	ug/l	95
16) Acetone	2.422	43	5173	3.46	ug/l	95
21) trans-1,2-Dichloroethene	3.142	96	3818	1.26	ug/l	94
25) 2-Butanone	4.648	43	831	0.38	ug/l	97
27) cis-1,2-Dichloroethene	4.562	96	96954	28.33	ug/l	89
29) Tetrahydrofuran	5.093	42	930	0.68	ug/l #	82
36) 1,1-Dichloropropene	5.629	75	17548	4.40	ug/l #	49
38) Carbon Tetrachloride	5.629	117	23319	6.14	ug/l #	18
39) Methylcyclohexane	7.190	83	1253	0.27	ug/l #	1
41) Methacrylonitrile	5.117	41	591	0.27	ug/l #	22
44) Trichloroethene	7.190	130	110754	34.48	ug/l	95
55) 1,1,2-Trichloroethane	9.317	97	1300	0.42	ug/l #	1
60) Dibromochloromethane	9.317	129	156168	50.32	ug/l #	11
64) Tetrachloroethene	9.317	164	161328	56.74	ug/l	94
76) 1,2,3-Trichloropropane	11.122	75	81839	20.62	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	81839	61.19	ug/l #	12

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

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Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
Response via : Initial Calibration

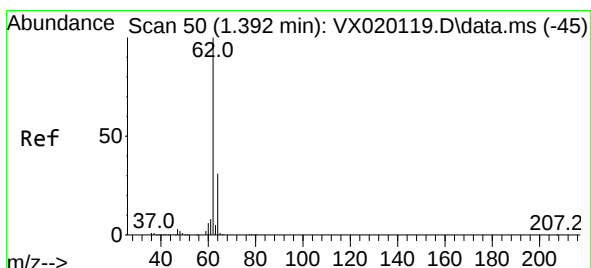
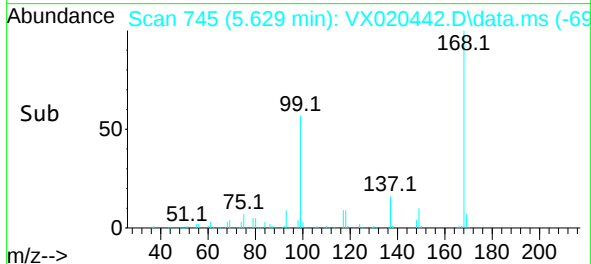
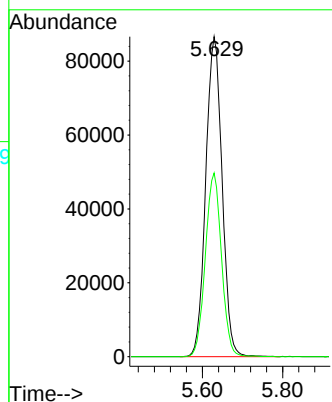
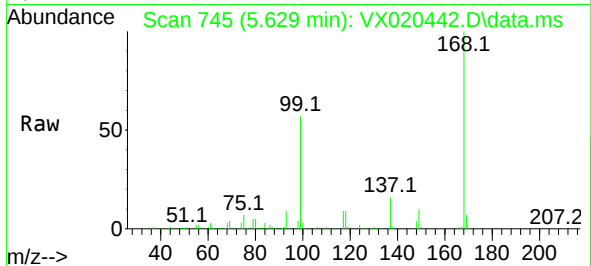




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020442.D
Acq: 29 Dec 2020 18:17

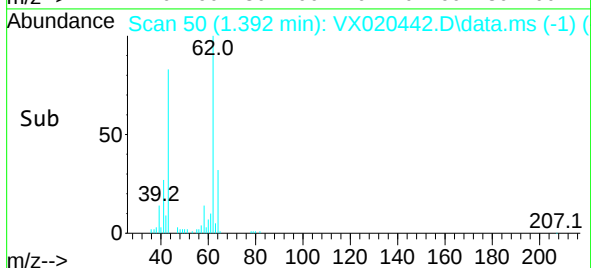
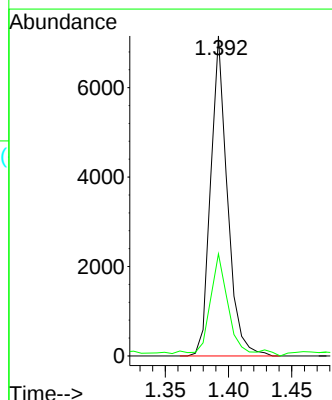
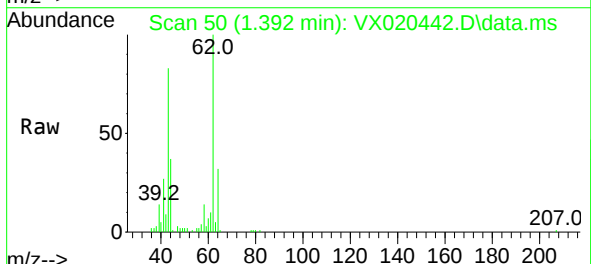
Instrument :
MSVOA_X
ClientSampleId :
1016-MW-02(23.8)

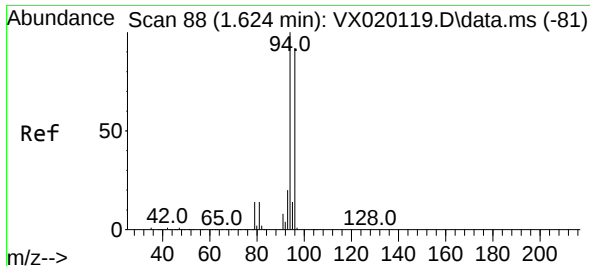
Tgt Ion:168 Resp: 244654
Ion Ratio Lower Upper
168 100
99 57.4 45.8 68.6



#4
Vinyl Chloride
Concen: 1.96 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.000 min
Lab File: VX020442.D
Acq: 29 Dec 2020 18:17

Tgt Ion: 62 Resp: 6586
Ion Ratio Lower Upper
62 100
64 31.9 25.7 38.5

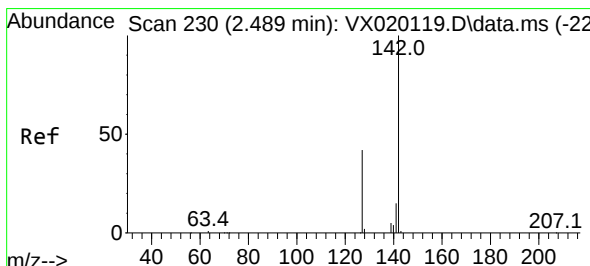
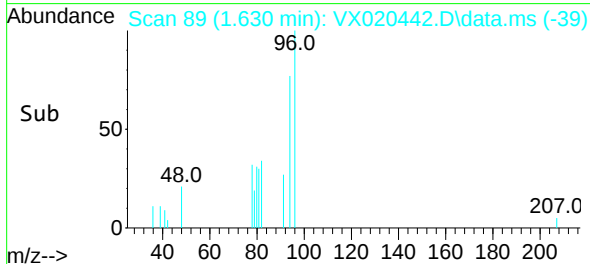
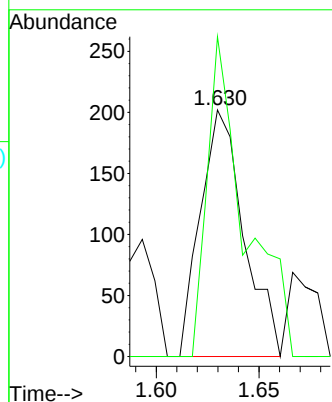
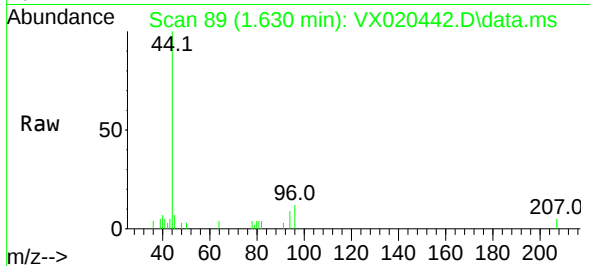




#5
Bromomethane
Concen: 0.28 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020442.D
Acq: 29 Dec 2020 18:17

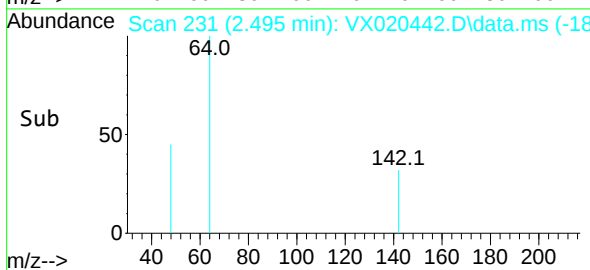
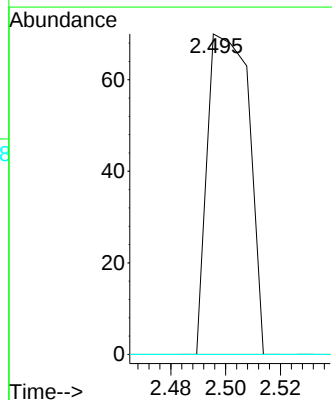
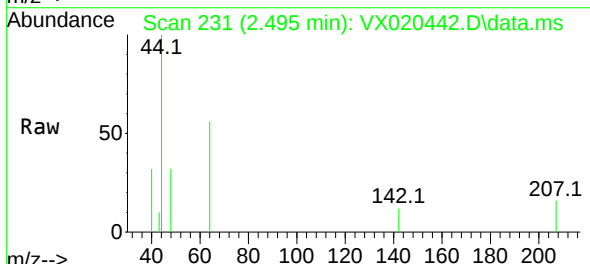
Instrument :
MSVOA_X
ClientSampleId :
1016-MW-02(23.8)

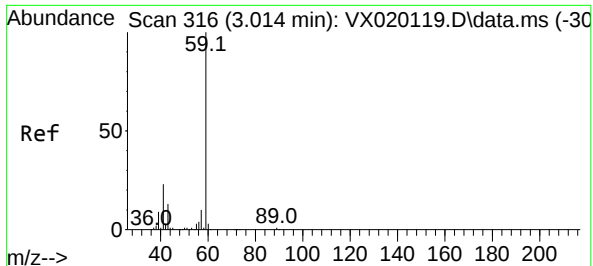
Tgt Ion: 94 Resp: 297
Ion Ratio Lower Upper
94 100
96 129.7 76.4 114.6#



#10
Methyl Iodide
Concen: 3.31 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020442.D
Acq: 29 Dec 2020 18:17

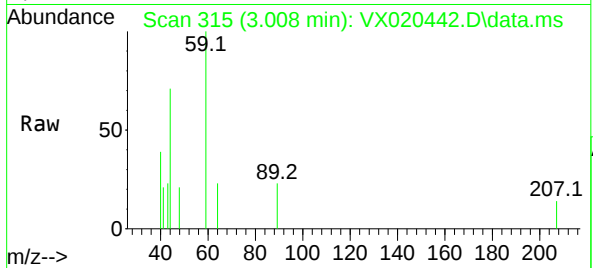
Tgt Ion: 142 Resp: 74
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



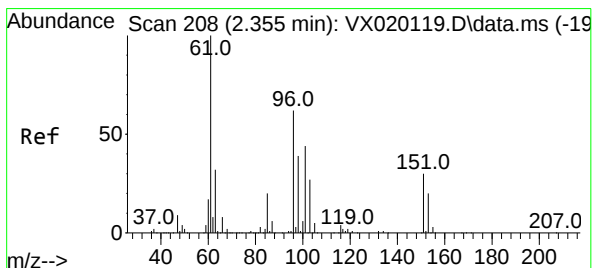
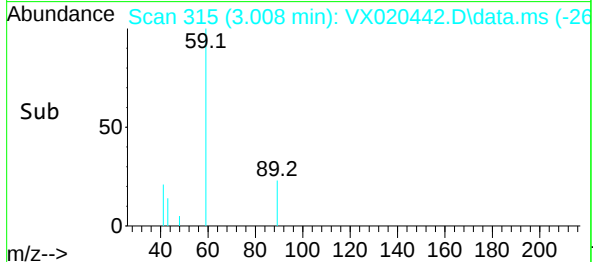
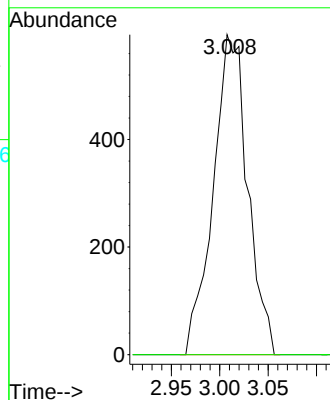


#11
Tert butyl alcohol
Concen: 2.00 ug/l
RT: 3.008 min Scan# 315
Delta R.T. -0.006 min
Lab File: VX020442.D
Acq: 29 Dec 2020 18:17

Instrument :
MSVOA_X
ClientSampleId :
1016-MW-02(23.8)

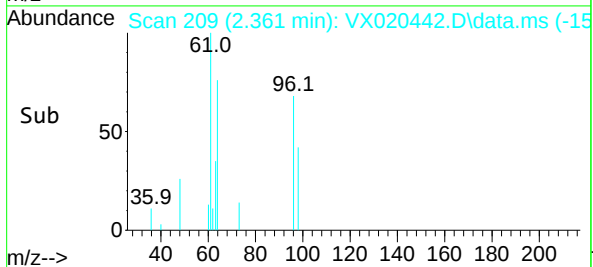
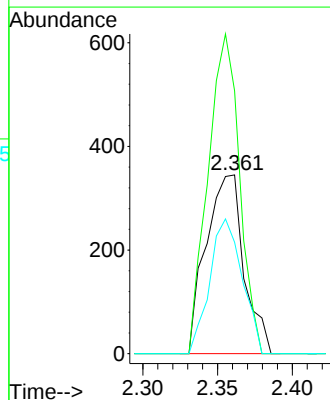
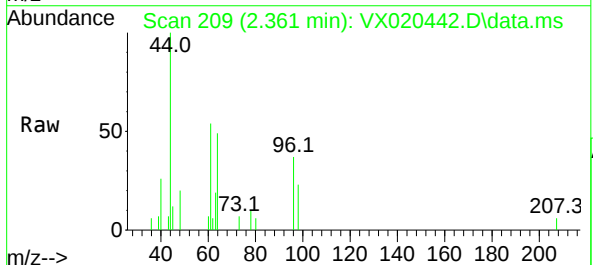


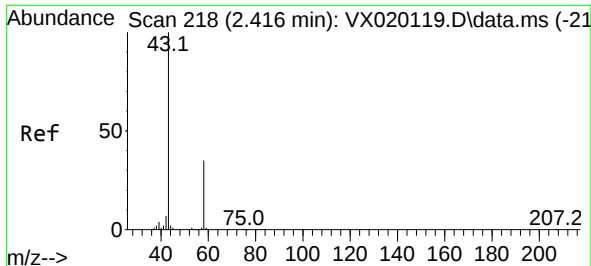
Tgt Ion: 59 Resp: 1471
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 0.24 ug/l
RT: 2.361 min Scan# 209
Delta R.T. 0.006 min
Lab File: VX020442.D
Acq: 29 Dec 2020 18:17

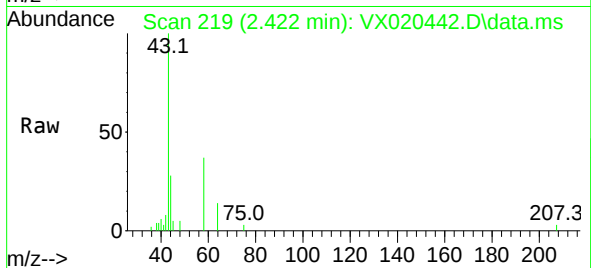
Tgt Ion: 96 Resp: 608
Ion Ratio Lower Upper
96 100
61 147.0 124.6 187.0
98 62.3 50.6 76.0



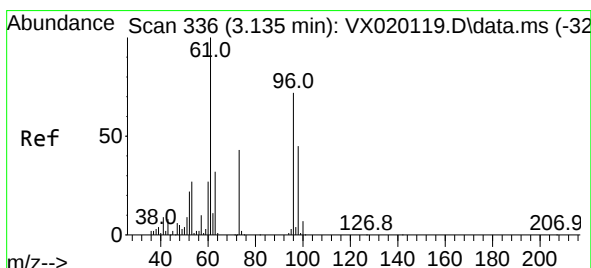
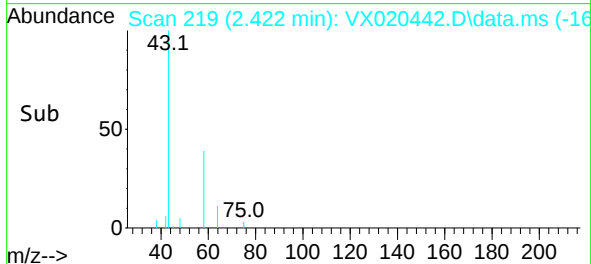
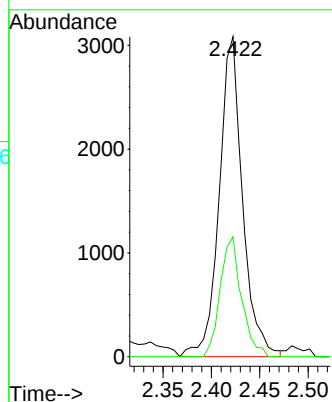


#16
Acetone
Concen: 3.46 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.006 min
Lab File: VX020442.D
Acq: 29 Dec 2020 18:17

Instrument :
MSVOA_X
ClientSampleId :
1016-MW-02(23.8)

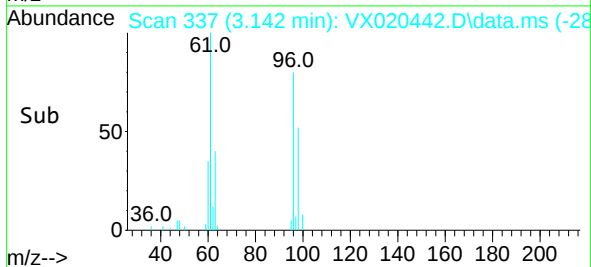
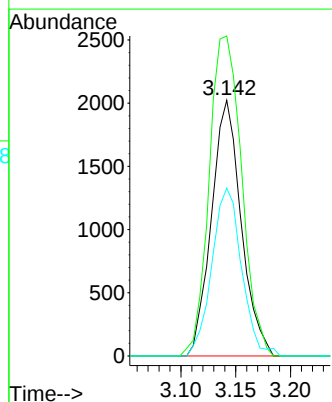
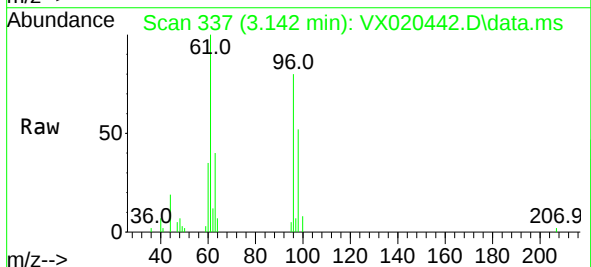


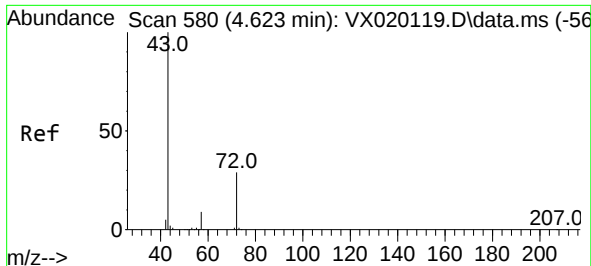
Tgt Ion: 43 Resp: 5173
Ion Ratio Lower Upper
43 100
58 37.5 27.8 41.8



#21
trans-1,2-Dichloroethene
Concen: 1.26 ug/l
RT: 3.142 min Scan# 337
Delta R.T. 0.007 min
Lab File: VX020442.D
Acq: 29 Dec 2020 18:17

Tgt Ion: 96 Resp: 3818
Ion Ratio Lower Upper
96 100
61 125.2 107.7 161.5
98 65.6 50.4 75.6

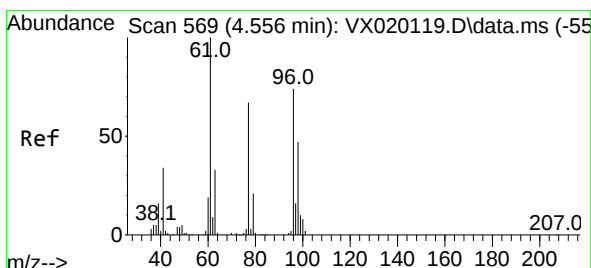
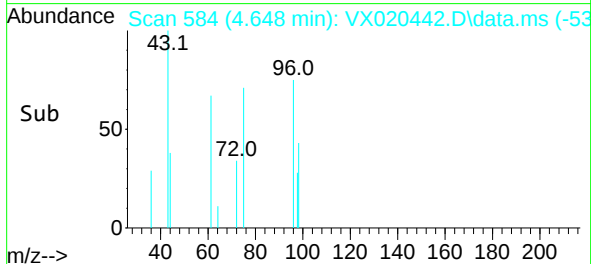
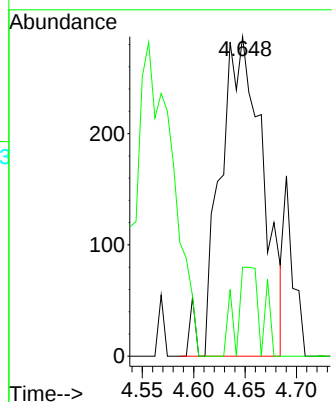
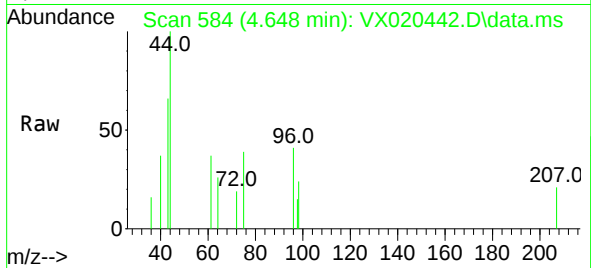




#25
2-Butanone
Concen: 0.38 ug/l
RT: 4.648 min Scan# 584
Delta R.T. 0.025 min
Lab File: VX020442.D
Acq: 29 Dec 2020 18:17

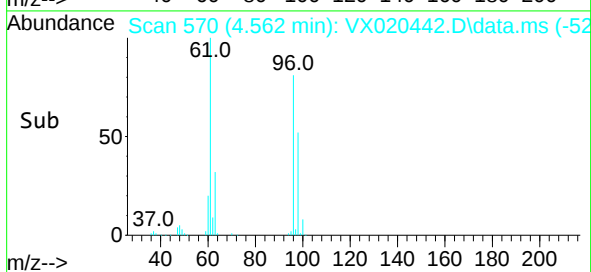
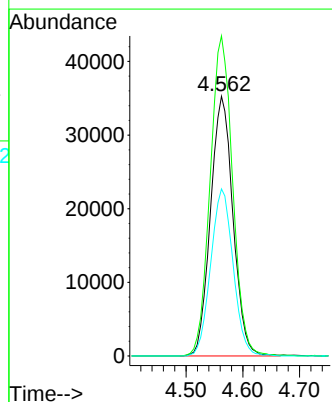
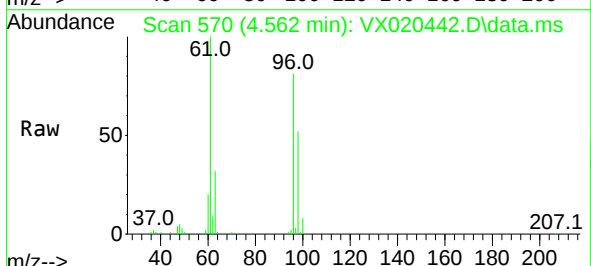
Instrument :
MSVOA_X
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1016-MW-02(23.8)

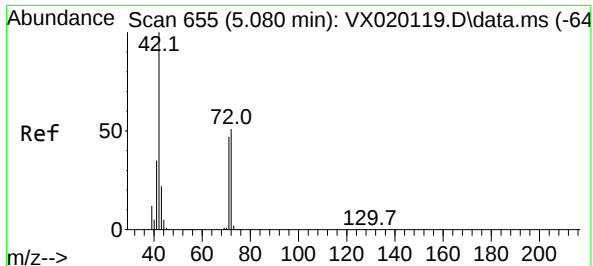
Tgt Ion: 43 Resp: 831
Ion Ratio Lower Upper
43 100
72 27.9 23.7 35.5



#27
cis-1,2-Dichloroethene
Concen: 28.33 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX020442.D
Acq: 29 Dec 2020 18:17

Tgt Ion: 96 Resp: 96954
Ion Ratio Lower Upper
96 100
61 123.5 0.0 285.6
98 64.2 0.0 129.6





#29

Tetrahydrofuran

Concen: 0.68 ug/l

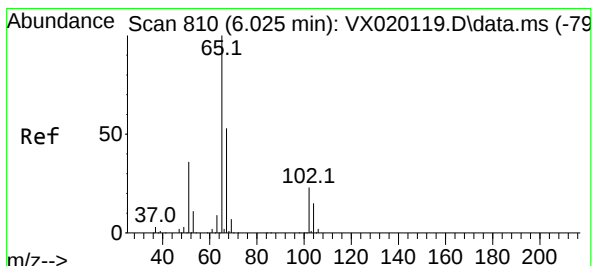
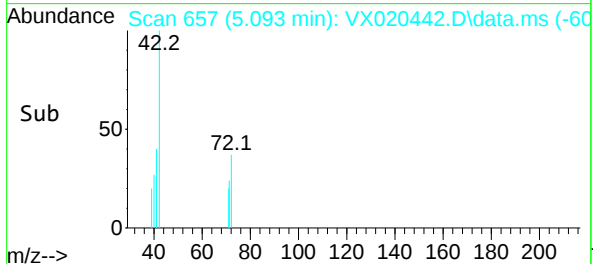
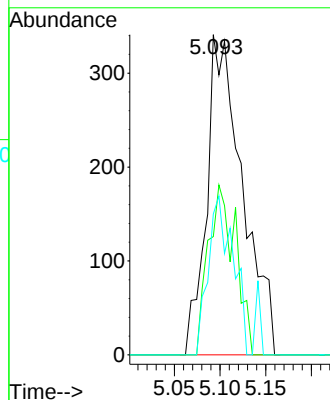
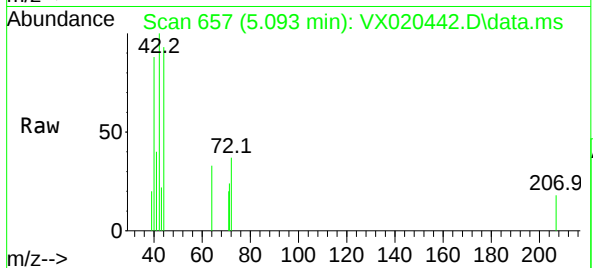
RT: 5.093 min Scan# 657

Delta R.T. 0.013 min

Lab File: VX020442.D

Acq: 29 Dec 2020 18:17

Tgt Ion:	42	Resp:	930
Ion	Ratio	Lower	Upper
42	100		
72	40.4	41.7	62.5#
71	34.4	38.4	57.6#



#33

1,2-Dichloroethane-d4

Concen: 44.80 ug/l

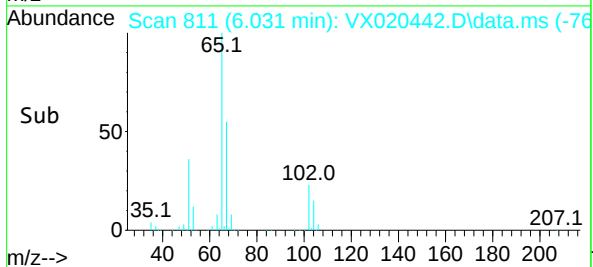
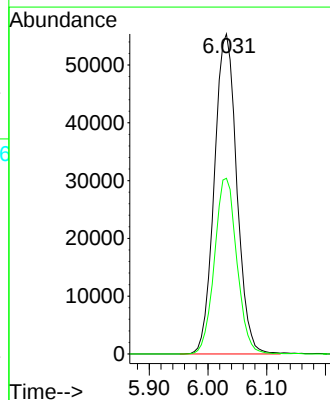
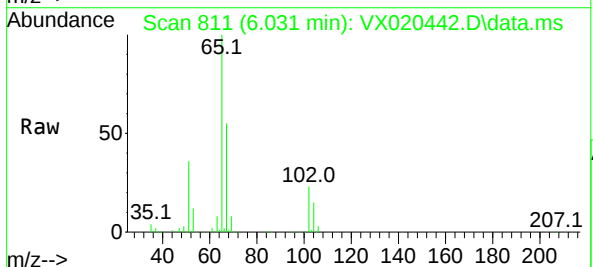
RT: 6.031 min Scan# 811

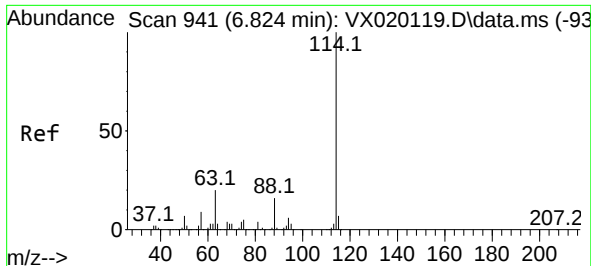
Delta R.T. 0.006 min

Lab File: VX020442.D

Acq: 29 Dec 2020 18:17

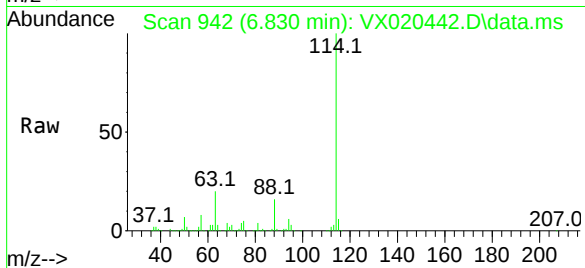
Tgt Ion:	65	Resp:	146924
Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	105.4



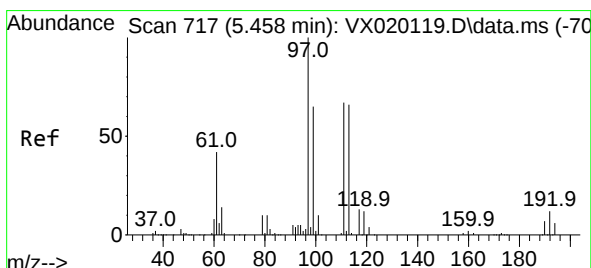
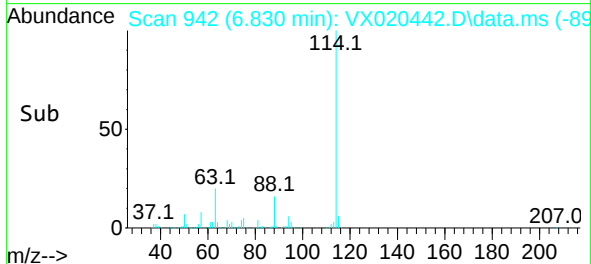
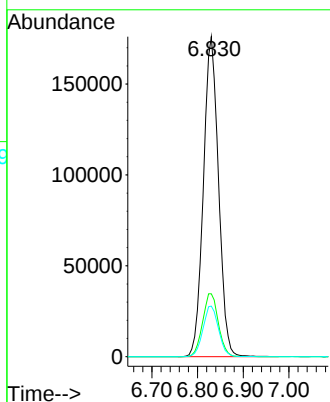


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020442.D
Acq: 29 Dec 2020 18:17

Instrument :
MSVOA_X
ClientSampleId :
1016-MW-02(23.8)

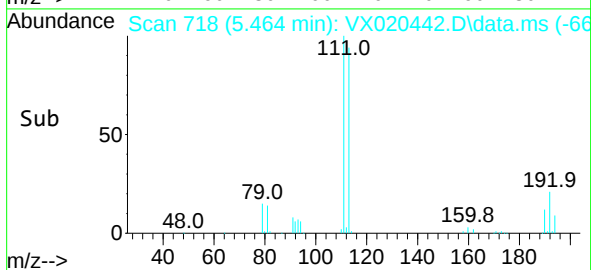
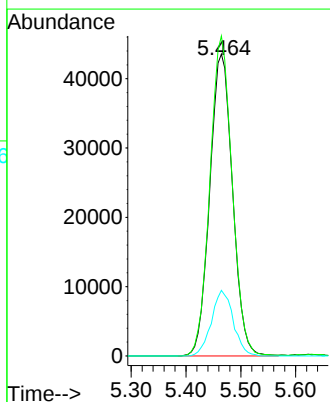
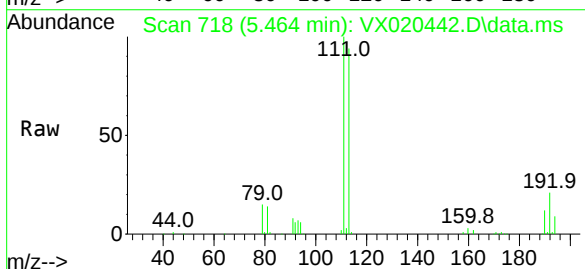


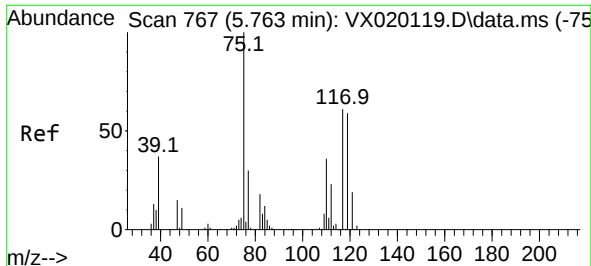
Tgt Ion:114 Resp: 403891
Ion Ratio Lower Upper
114 100
63 19.7 0.0 40.8
88 15.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.66 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020442.D
Acq: 29 Dec 2020 18:17

Tgt Ion:113 Resp: 125724
Ion Ratio Lower Upper
113 100
111 103.4 81.9 122.9
192 20.8 16.7 25.1

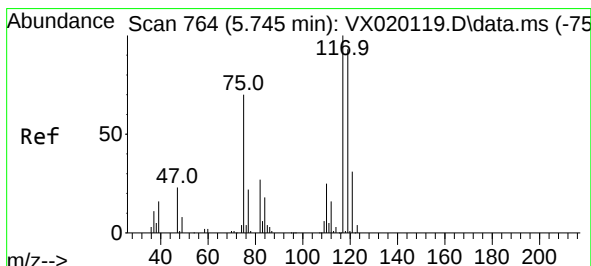
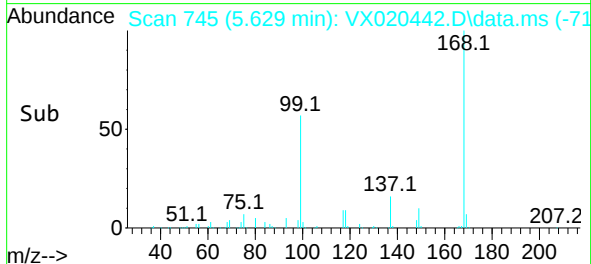
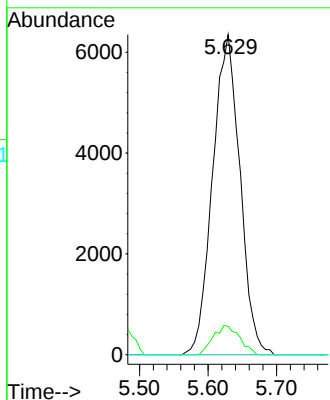
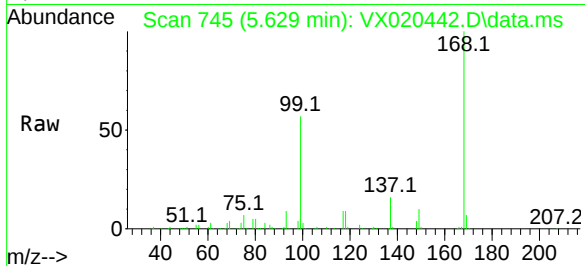




#36
1,1-Dichloropropene
Concen: 4.40 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020442.D
Acq: 29 Dec 2020 18:17

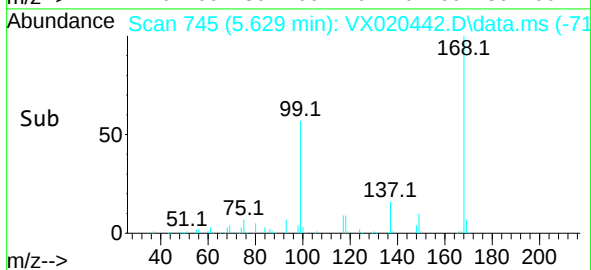
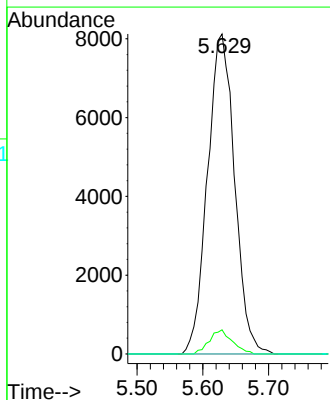
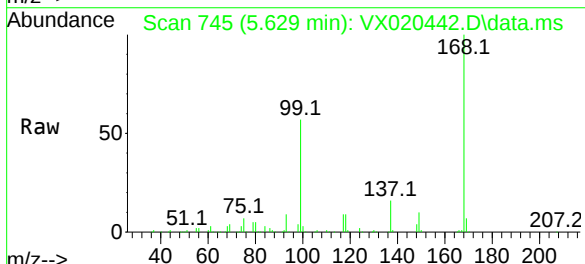
Instrument :
MSVOA_X
ClientSampleId :
1016-MW-02(23.8)

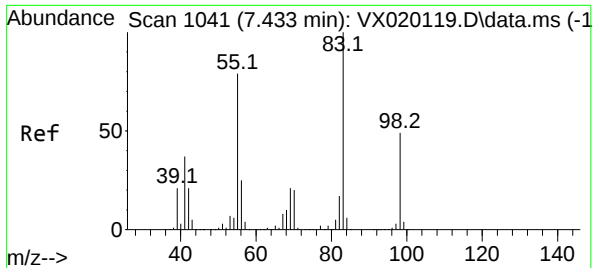
Tgt Ion: 75 Resp: 17548
Ion Ratio Lower Upper
75 100
110 8.8 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.14 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020442.D
Acq: 29 Dec 2020 18:17

Tgt Ion: 117 Resp: 23319
Ion Ratio Lower Upper
117 100
119 7.6 76.2 114.2#
121 0.0 24.8 37.2#

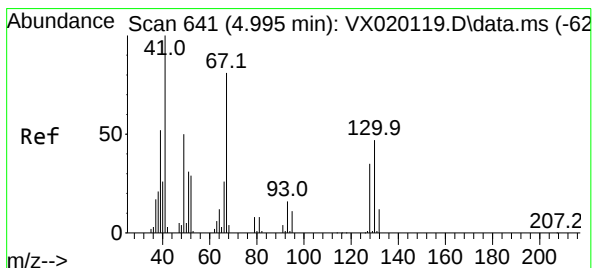
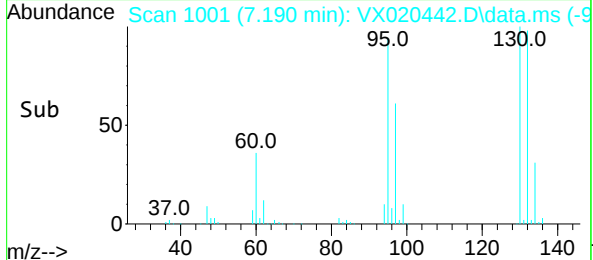
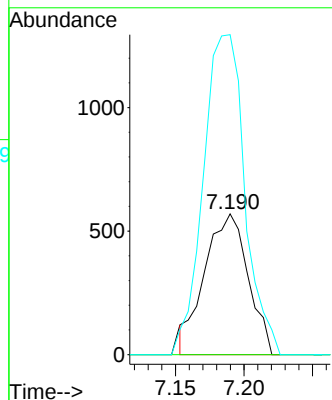
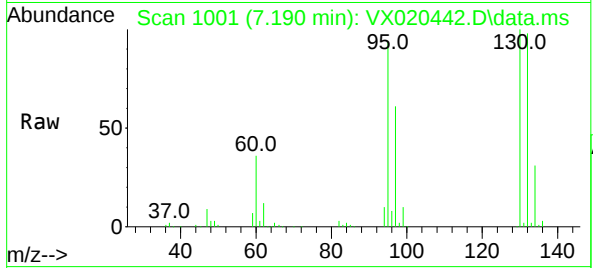




#39
Methylcyclohexane
Concen: 0.27 ug/l
RT: 7.190 min Scan# 1001
Delta R.T. -0.243 min
Lab File: VX020442.D
Acq: 29 Dec 2020 18:17

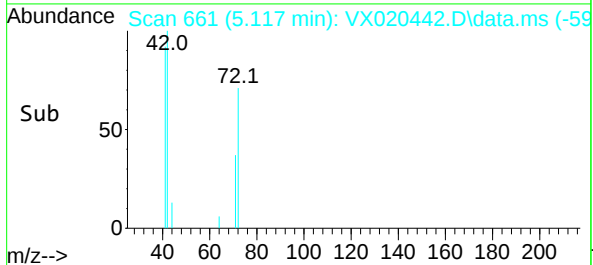
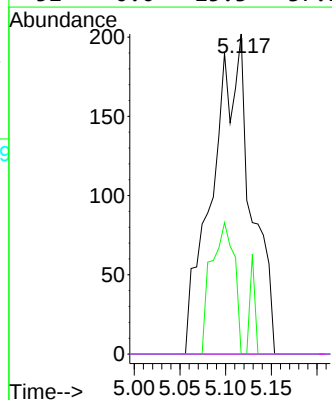
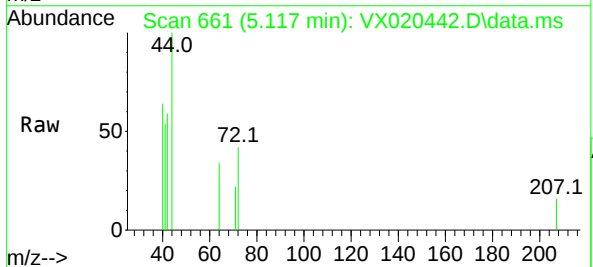
Instrument :
MSVOA_X
ClientSampleId :
1016-MW-02(23.8)

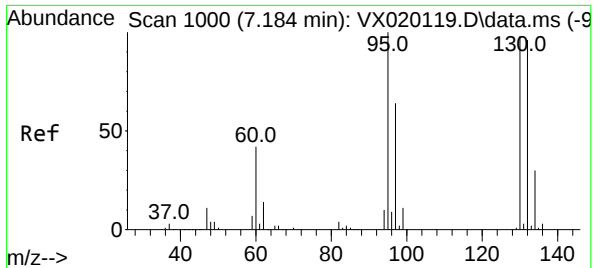
Tgt Ion: 83 Resp: 1253
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 227.2 38.1 57.1#



#41
Methacrylonitrile
Concen: 0.27 ug/l
RT: 5.117 min Scan# 661
Delta R.T. 0.122 min
Lab File: VX020442.D
Acq: 29 Dec 2020 18:17

Tgt Ion: 41 Resp: 591
Ion Ratio Lower Upper
41 100
39 3.9 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

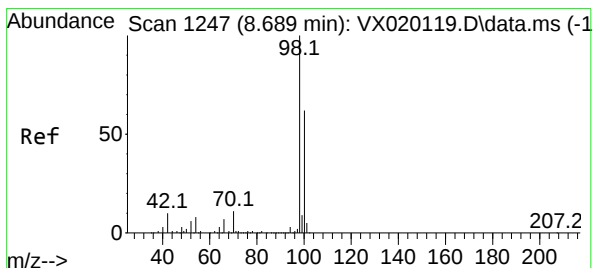
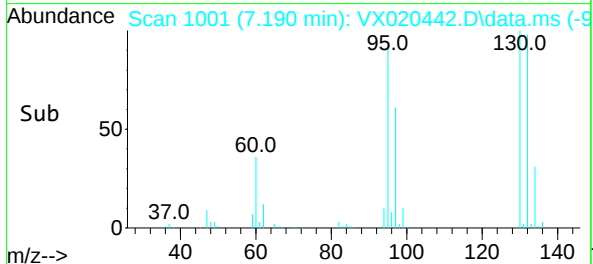
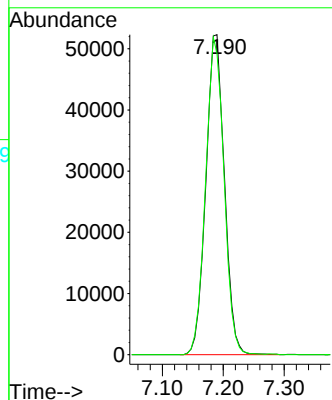
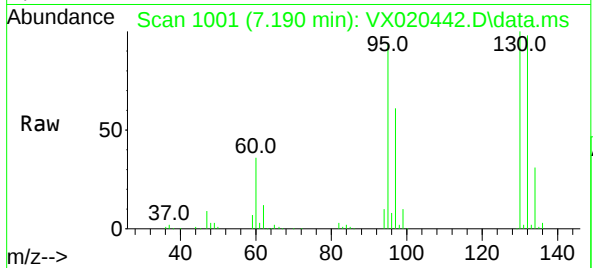




#44
Trichloroethene
Concen: 34.48 ug/l
RT: 7.190 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VX020442.D
Acq: 29 Dec 2020 18:17

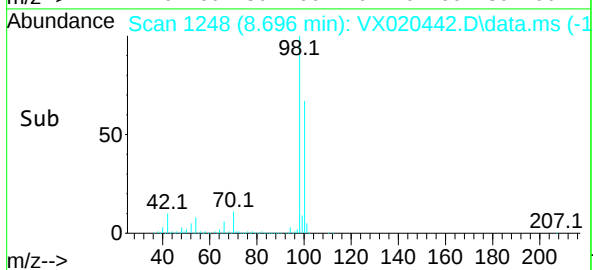
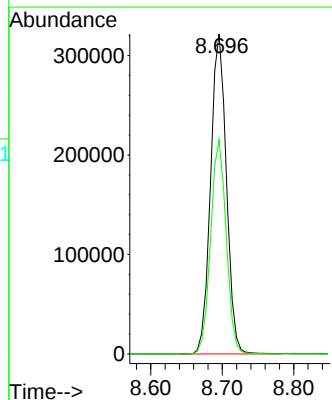
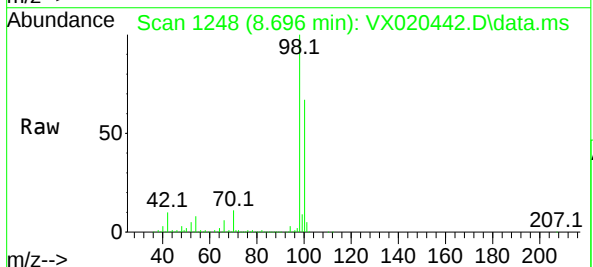
Instrument :
MSVOA_X
ClientSampleId :
1016-MW-02(23.8)

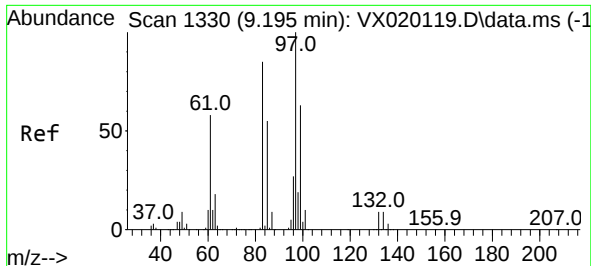
Tgt Ion:130 Resp: 110754
Ion Ratio Lower Upper
130 100
95 94.1 0.0 198.0



#50
Toluene-d8
Concen: 49.48 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020442.D
Acq: 29 Dec 2020 18:17

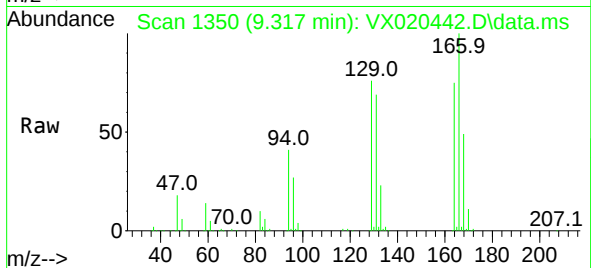
Tgt Ion: 98 Resp: 492064
Ion Ratio Lower Upper
98 100
100 66.1 51.9 77.9



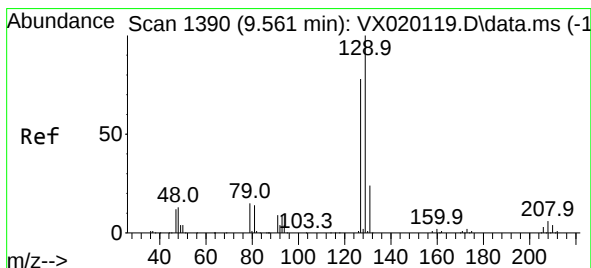
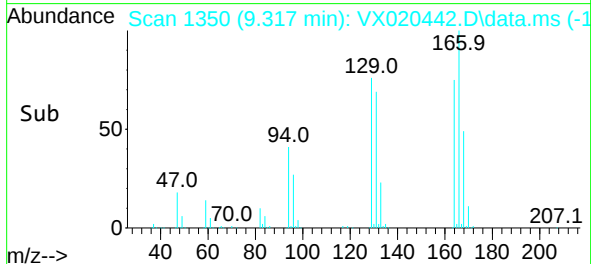
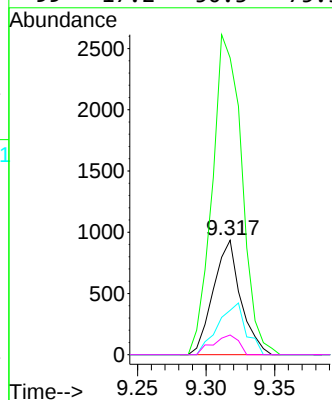


#55
1,1,2-Trichloroethane
Concen: 0.42 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.122 min
Lab File: VX020442.D
Acq: 29 Dec 2020 18:17

Instrument :
MSVOA_X
ClientSampleId :
1016-MW-02(23.8)

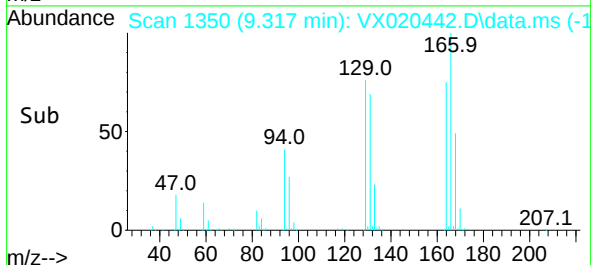
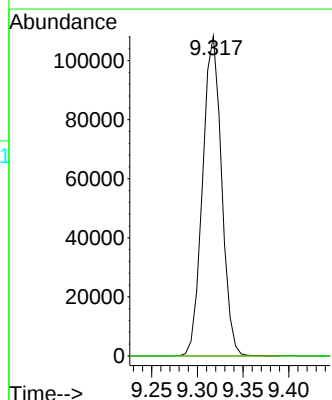
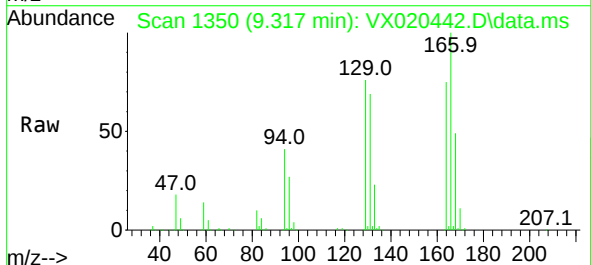


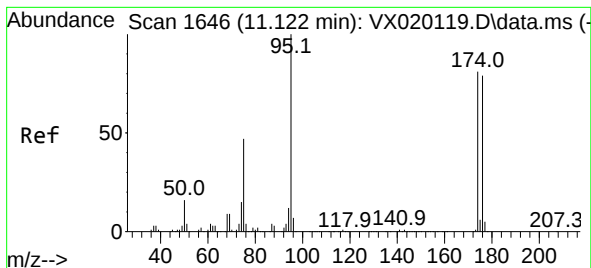
Tgt Ion:	97	Resp:	1300
Ion	Ratio	Lower	Upper
97	100		
83	259.1	69.3	103.9#
85	38.7	44.3	66.5#
99	17.2	50.3	75.5#



#60
Dibromochloromethane
Concen: 50.32 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020442.D
Acq: 29 Dec 2020 18:17

Tgt Ion:	129	Resp:	156168
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.4	115.2#

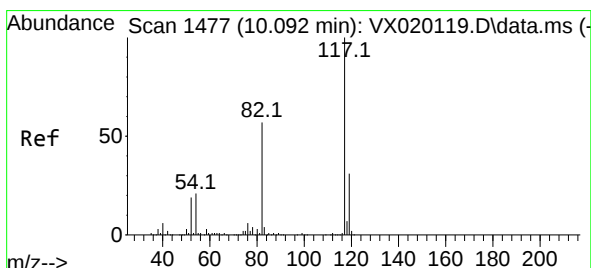
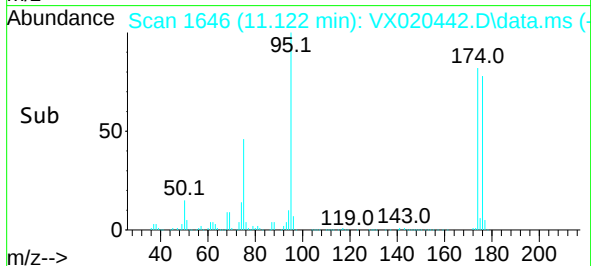
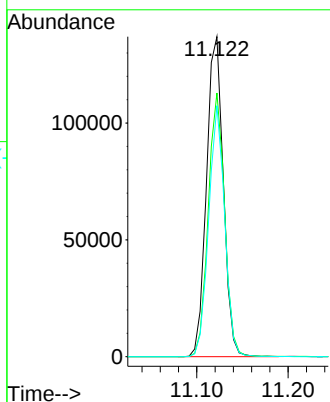
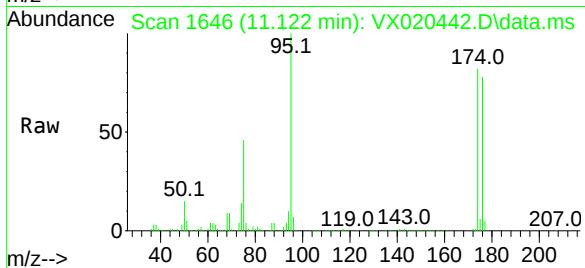




#62
4-Bromofluorobenzene
Concen: 45.82 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020442.D
Acq: 29 Dec 2020 18:17

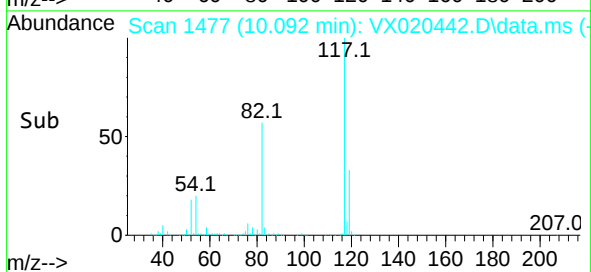
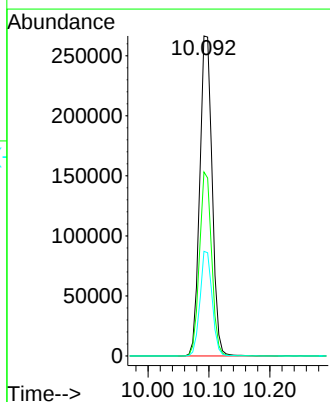
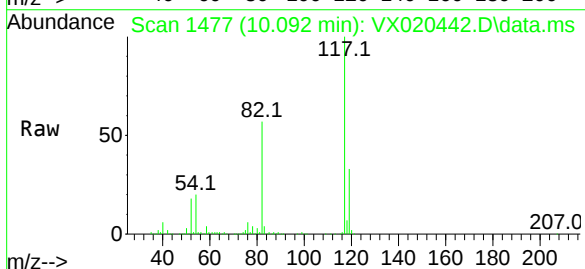
Instrument :
MSVOA_X
ClientSampleId :
1016-MW-02(23.8)

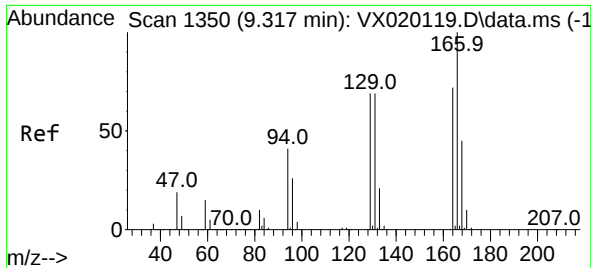
Tgt Ion: 95 Resp: 174406
Ion Ratio Lower Upper
95 100
174 80.4 0.0 154.6
176 74.5 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020442.D
Acq: 29 Dec 2020 18:17

Tgt Ion: 117 Resp: 377336
Ion Ratio Lower Upper
117 100
82 57.5 47.4 71.2
119 32.7 26.6 39.8

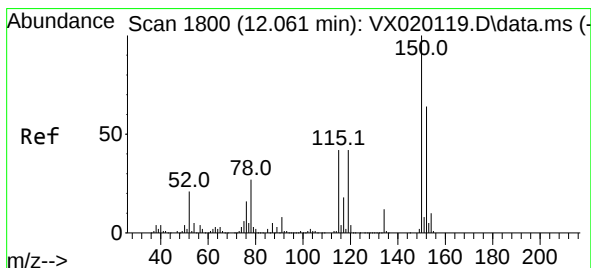
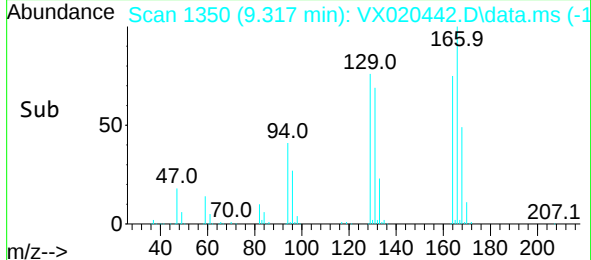
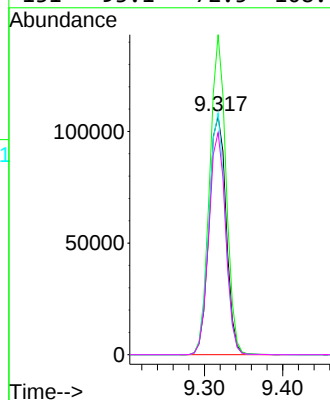
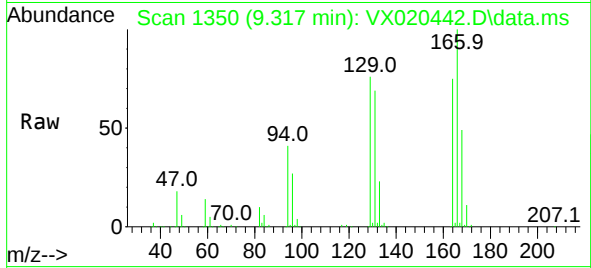




#64
Tetrachloroethene
Concen: 56.74 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020442.D
Acq: 29 Dec 2020 18:17

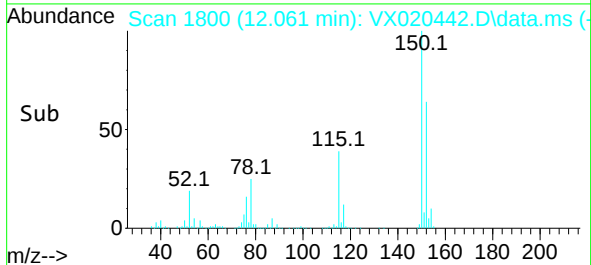
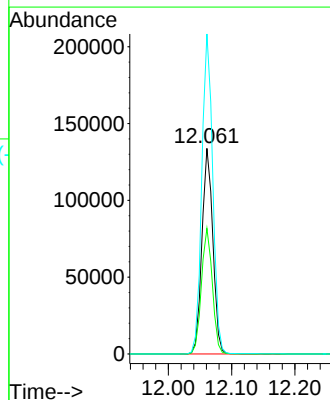
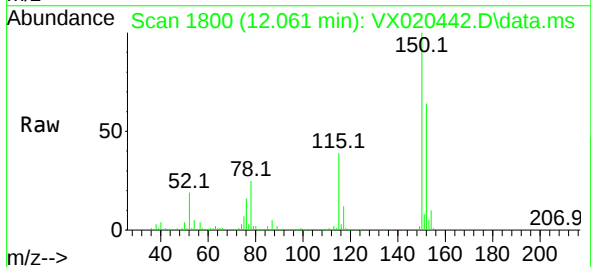
Instrument :
MSVOA_X
ClientSampleId :
1016-MW-02(23.8)

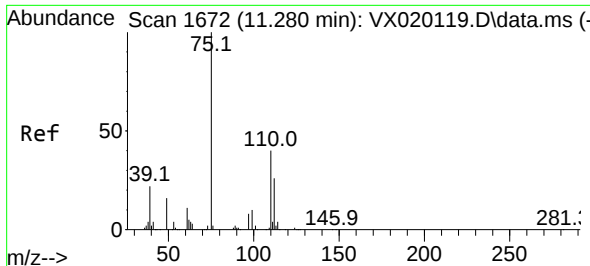
Tgt Ion:164 Resp: 161328
Ion Ratio Lower Upper
164 100
166 134.2 103.4 155.2
129 101.4 70.8 106.2
131 93.1 72.5 108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020442.D
Acq: 29 Dec 2020 18:17

Tgt Ion:152 Resp: 161098
Ion Ratio Lower Upper
152 100
115 61.1 41.1 123.3
150 155.5 0.0 349.0

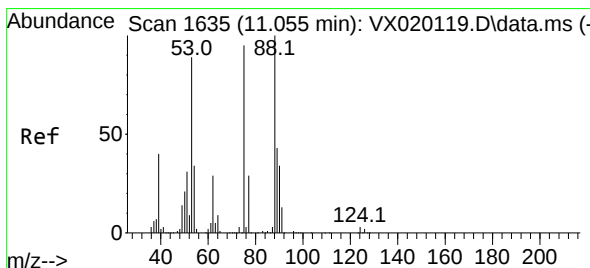
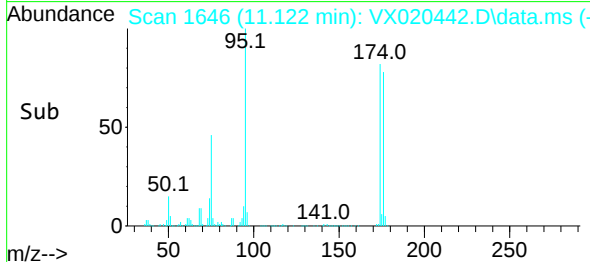
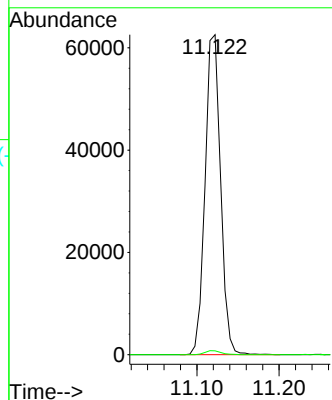
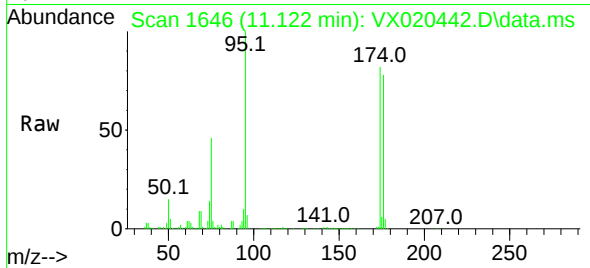




#76
1,2,3-Trichloropropane
Concen: 20.62 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020442.D
Acq: 29 Dec 2020 18:17

Instrument :
MSVOA_X
ClientSampleId :
1016-MW-02(23.8)

Tgt Ion: 75 Resp: 81839
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.19 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020442.D
Acq: 29 Dec 2020 18:17

Tgt Ion: 75 Resp: 81839
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#

