

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122920\
 Data File : VX020429.D
 Acq On : 29 Dec 2020 13:12
 Operator : JC/MD
 Sample : L5236-01DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1015-MW-01(23)DL

Quant Time: Dec 30 02:36:05 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	5.623	168	251458	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	409366	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	385711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	170837	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	150156	44.55	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	89.10%
35) Dibromofluoromethane	5.464	113	127083	48.53	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.06%
50) Toluene-d8	8.696	98	496353	49.24	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.48%
62) 4-Bromofluorobenzene	11.122	95	179491	46.52	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	93.04%

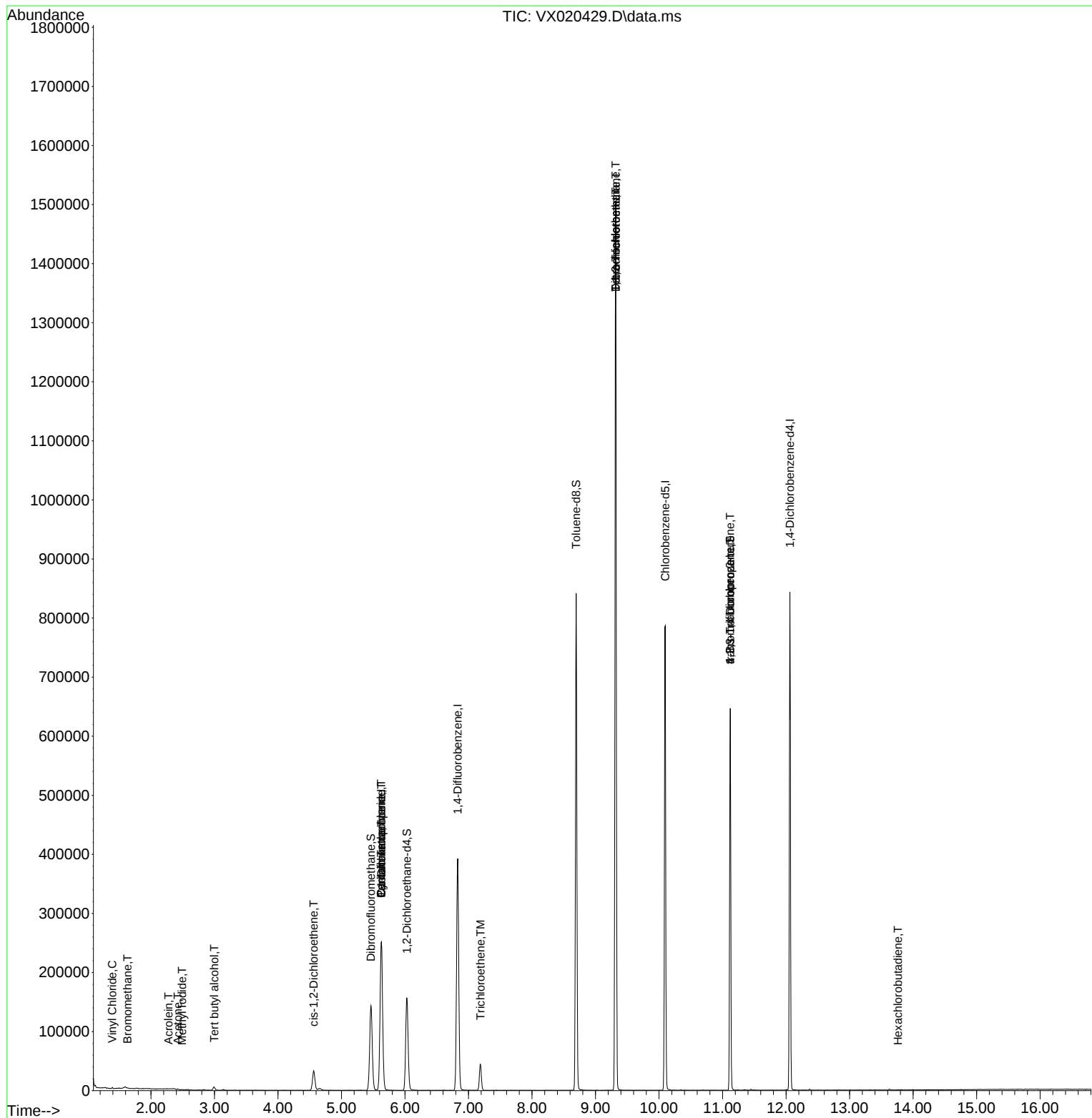
Target Compounds						Qvalue
4) Vinyl Chloride	1.392	62	932	0.27	ug/l	91
5) Bromomethane	1.630	94	403	0.36	ug/l	97
10) Methyl Iodide	2.489	142	775	3.50	ug/l #	87
11) Tert butyl alcohol	2.995	59	3489	4.62	ug/l #	73
13) Acrolein	2.276	56	129	0.27	ug/l #	1
16) Acetone	2.422	43	962	0.63	ug/l	90
27) cis-1,2-Dichloroethene	4.562	96	21443	6.10	ug/l	91
31) Cyclohexane	5.629	56	4465	0.96	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	18164	4.49	ug/l #	48
38) Carbon Tetrachloride	5.623	117	23769	6.18	ug/l #	16
44) Trichloroethene	7.190	130	17554	5.39	ug/l	97
55) 1,1,2-Trichloroethane	9.317	97	2512	0.79	ug/l #	1
60) Dibromochloromethane	9.317	129	278074	88.41	ug/l #	11
64) Tetrachloroethene	9.317	164	289714	99.69	ug/l	98
76) 1,2,3-Trichloropropane	11.122	75	85034	20.21	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	85034	59.95	ug/l #	12
94) Hexachlorobutadiene	13.762	225	176	2.75	ug/l #	65

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

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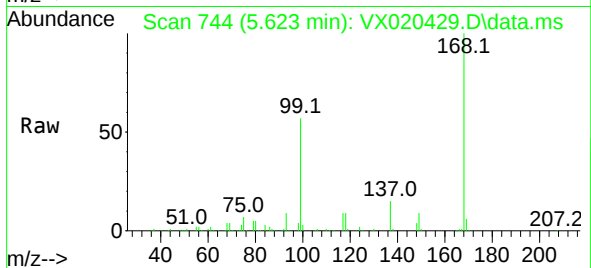
Quant Time: Dec 30 02:36:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
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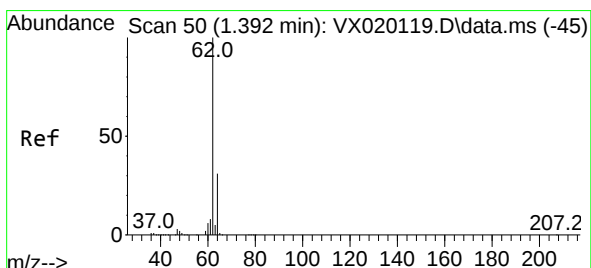
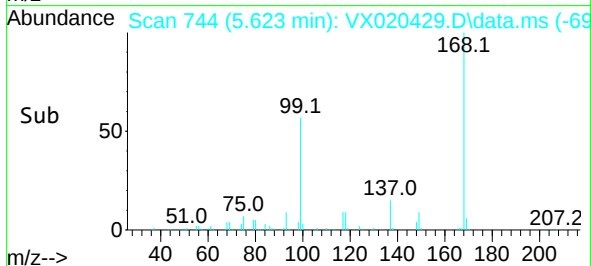
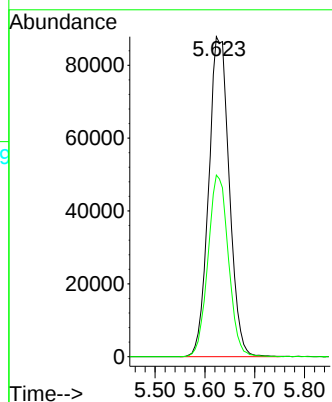


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.006 min
Lab File: VX020429.D
Acq: 29 Dec 2020 13:12

Instrument :
MSVOA_X
ClientSampleId :
1015-MW-01(23)DL

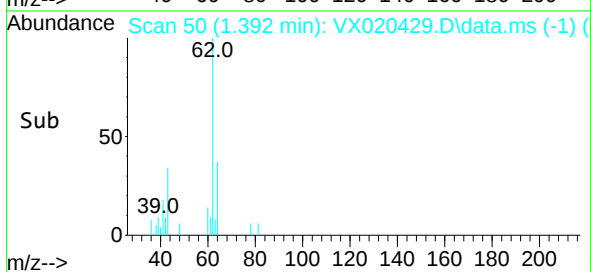
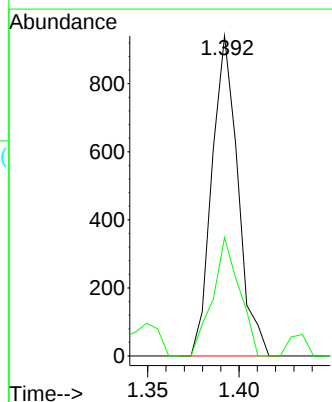
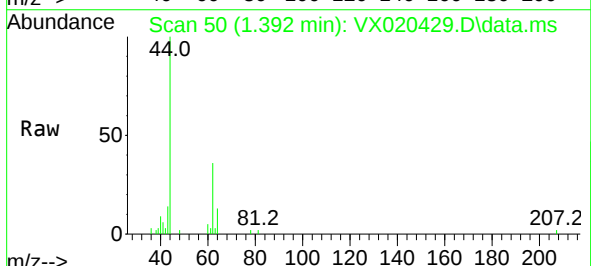


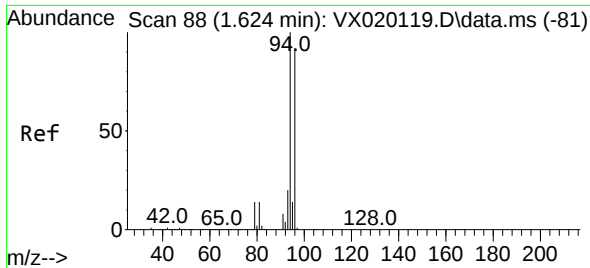
Tgt Ion:168 Resp: 251458
Ion Ratio Lower Upper
168 100
99 56.8 45.8 68.6



#4
Vinyl Chloride
Concen: 0.27 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.000 min
Lab File: VX020429.D
Acq: 29 Dec 2020 13:12

Tgt Ion: 62 Resp: 932
Ion Ratio Lower Upper
62 100
64 37.0 25.7 38.5

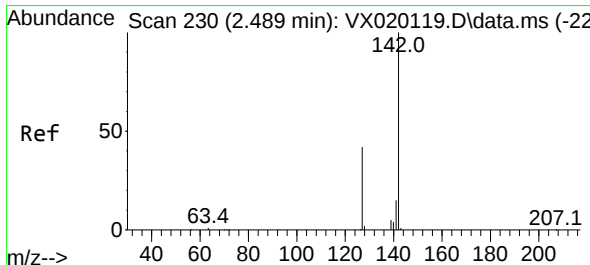
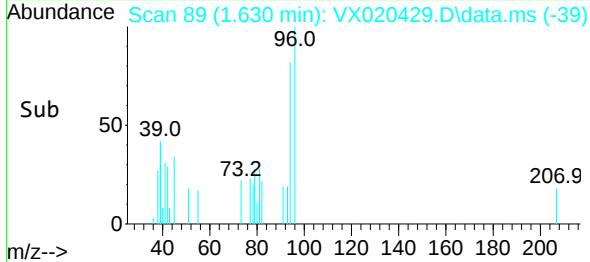
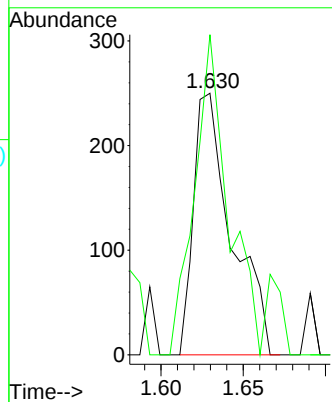
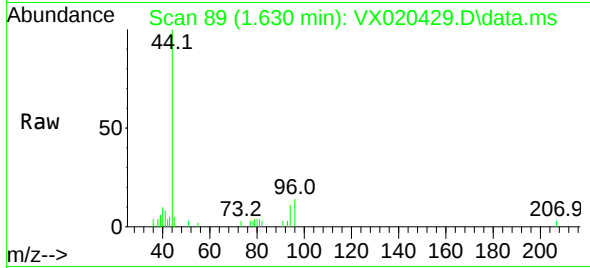




#5
Bromomethane
Concen: 0.36 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020429.D
Acq: 29 Dec 2020 13:12

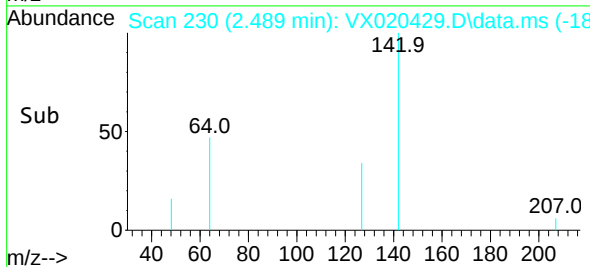
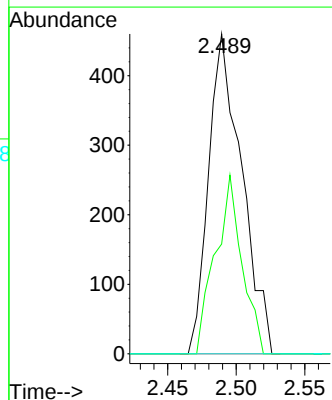
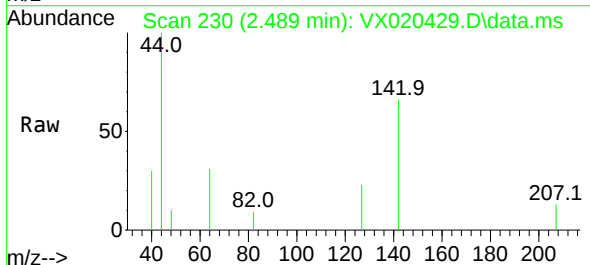
Instrument :
MSVOA_X
ClientSampleId :
1015-MW-01(23)DL

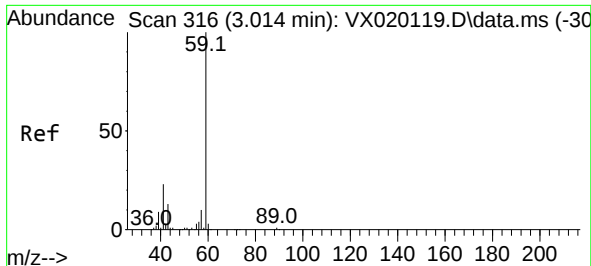
Tgt Ion: 94 Resp: 403
Ion Ratio Lower Upper
94 100
96 98.4 76.4 114.6



#10
Methyl Iodide
Concen: 3.50 ug/l
RT: 2.489 min Scan# 230
Delta R.T. 0.000 min
Lab File: VX020429.D
Acq: 29 Dec 2020 13:12

Tgt Ion: 142 Resp: 775
Ion Ratio Lower Upper
142 100
127 45.0 33.3 49.9
141 0.0 11.4 17.0#



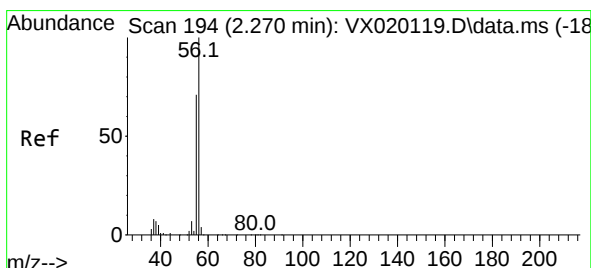
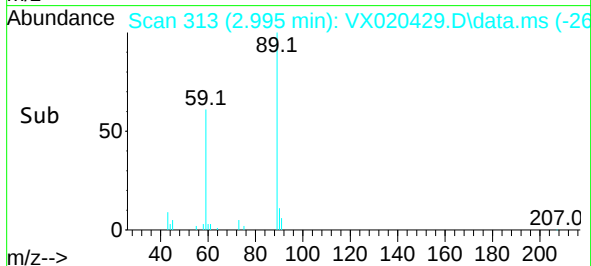
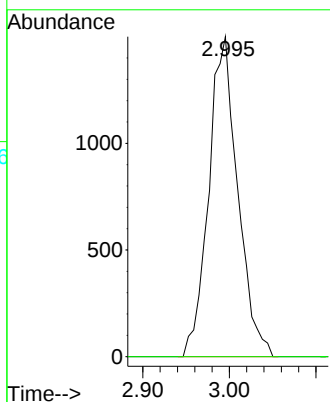
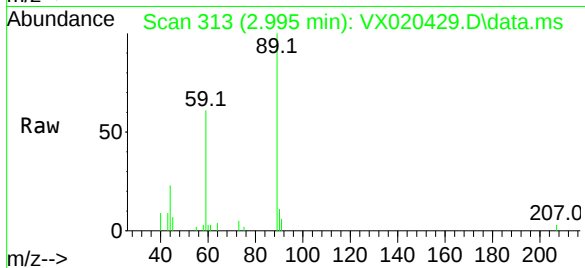


#11

Tert butyl alcohol
Concen: 4.62 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.019 min
Lab File: VX020429.D
Acq: 29 Dec 2020 13:12

Instrument :
MSVOA_X
ClientSampleId :
1015-MW-01(23)DL

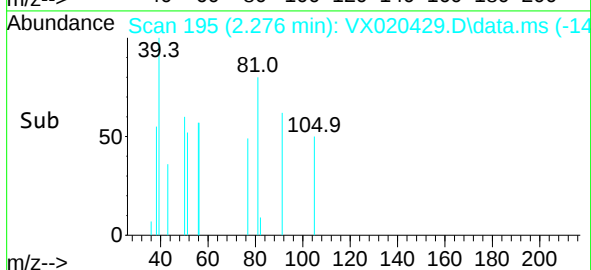
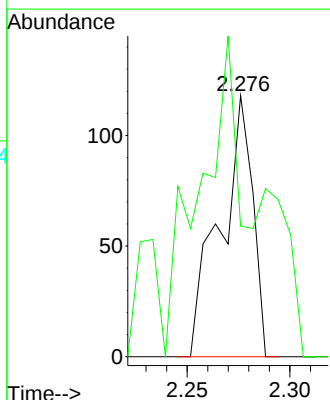
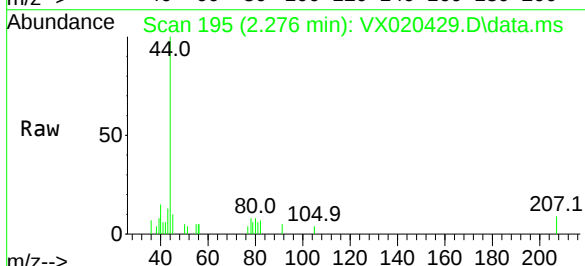
Tgt Ion: 59 Resp: 3489
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

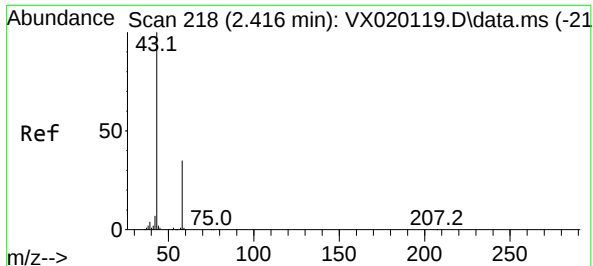


#13

Acrolein
Concen: 0.27 ug/l
RT: 2.276 min Scan# 195
Delta R.T. 0.006 min
Lab File: VX020429.D
Acq: 29 Dec 2020 13:12

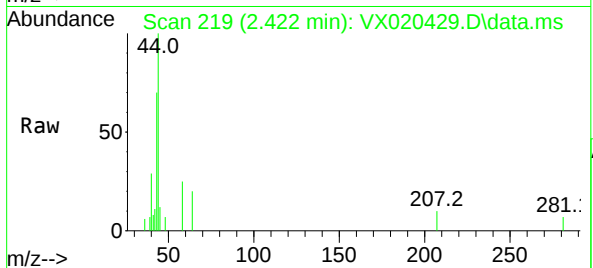
Tgt Ion: 56 Resp: 129
Ion Ratio Lower Upper
56 100
55 158.9 56.4 84.6#



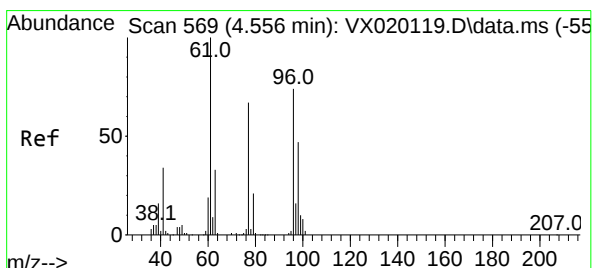
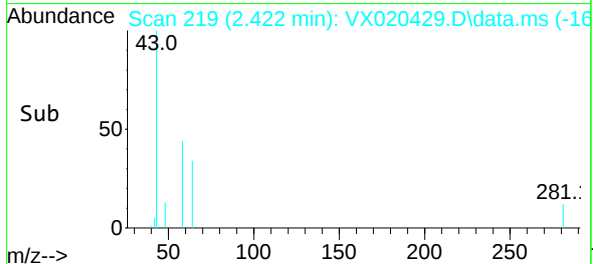
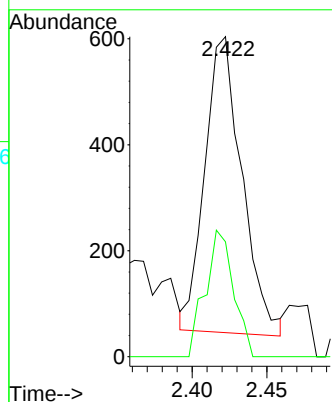


#16
Acetone
Concen: 0.63 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.006 min
Lab File: VX020429.D
Acq: 29 Dec 2020 13:12

Instrument :
MSVOA_X
ClientSampleId :
1015-MW-01(23)DL

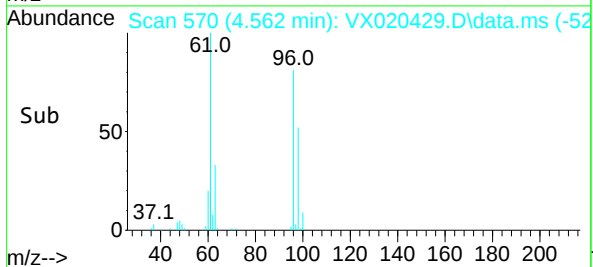
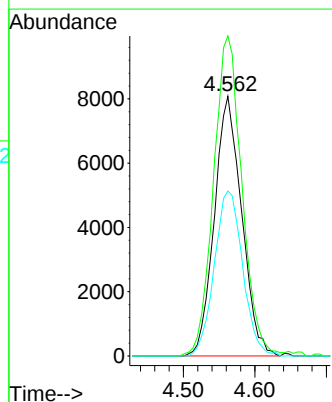
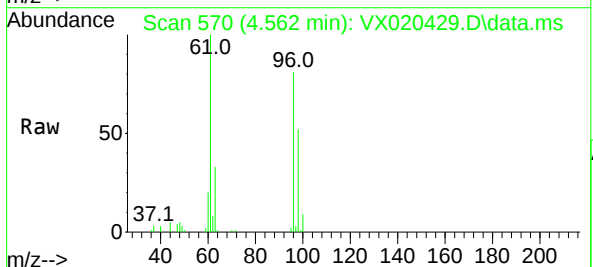


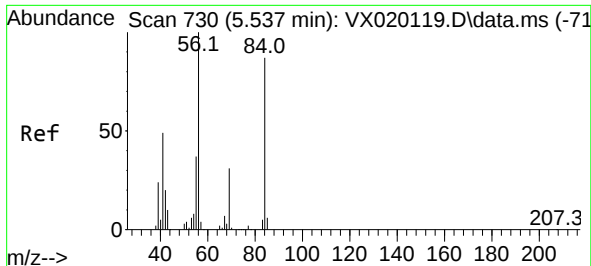
Tgt Ion: 43 Resp: 962
Ion Ratio Lower Upper
43 100
58 40.8 27.8 41.8



#27
cis-1,2-Dichloroethene
Concen: 6.10 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX020429.D
Acq: 29 Dec 2020 13:12

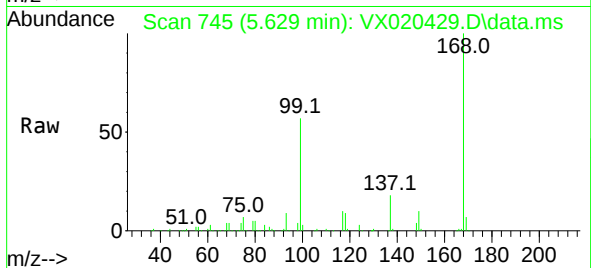
Tgt Ion: 96 Resp: 21443
Ion Ratio Lower Upper
96 100
61 127.7 0.0 285.6
98 65.9 0.0 129.6



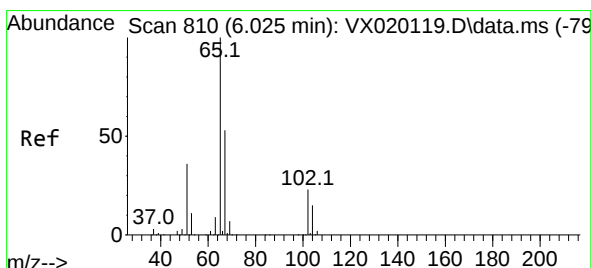
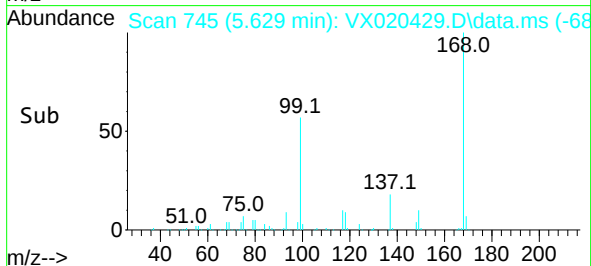
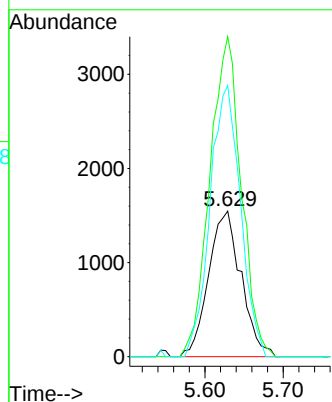


#31
Cyclohexane
Concen: 0.96 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.092 min
Lab File: VX020429.D
Acq: 29 Dec 2020 13:12

Instrument :
MSVOA_X
ClientSampleId :
1015-MW-01(23)DL

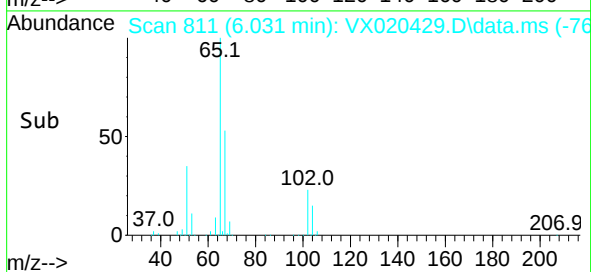
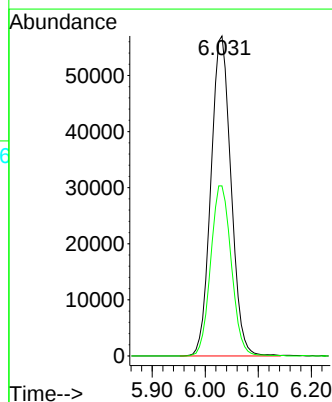
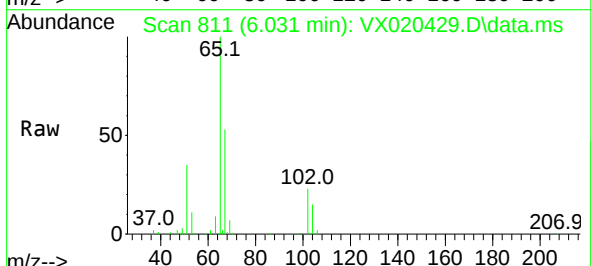


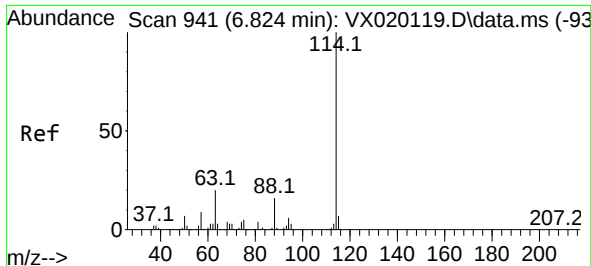
Tgt Ion: 56 Resp: 4465
Ion Ratio Lower Upper
56 100
69 219.8 25.3 37.9#
84 186.2 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 44.55 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020429.D
Acq: 29 Dec 2020 13:12

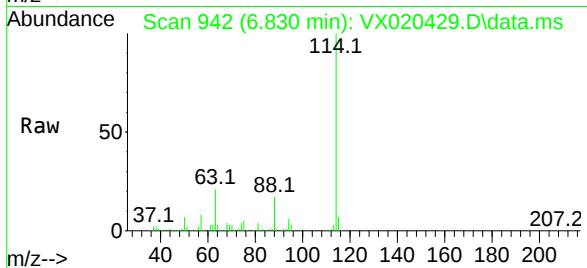
Tgt Ion: 65 Resp: 150156
Ion Ratio Lower Upper
65 100
67 54.6 0.0 105.4



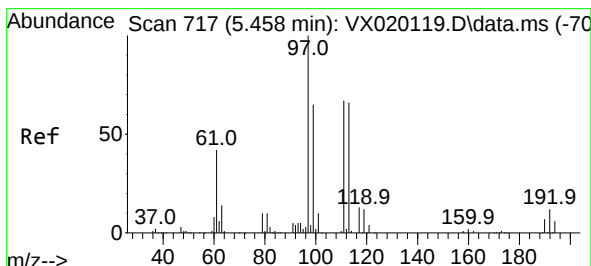
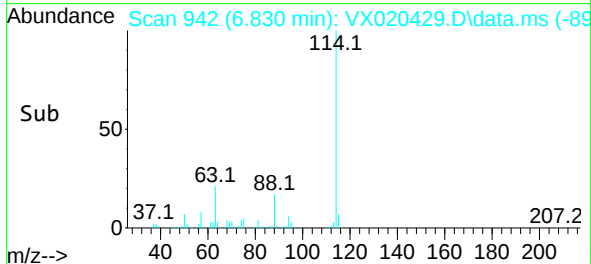
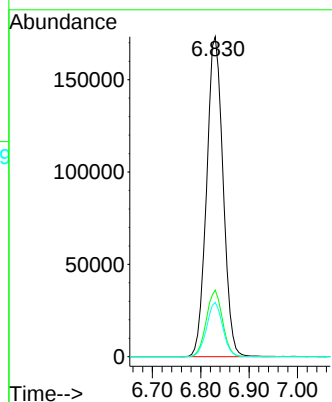


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020429.D
Acq: 29 Dec 2020 13:12

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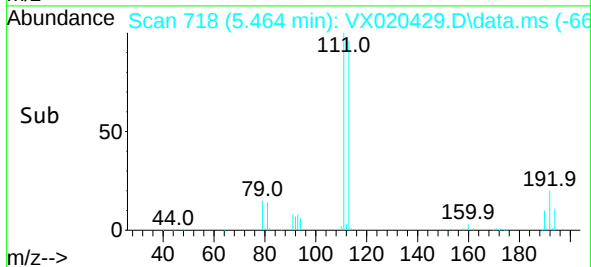
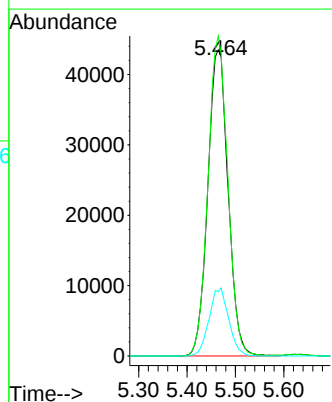
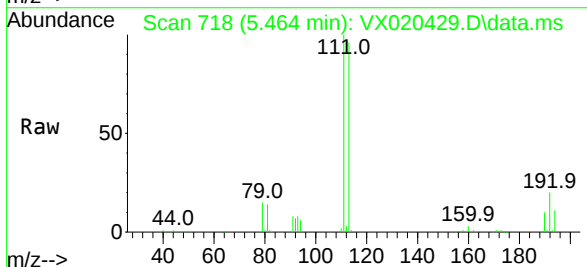


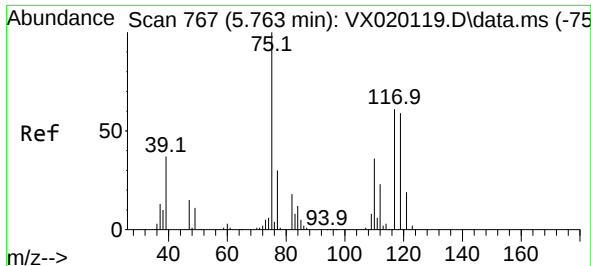
Tgt Ion:114 Resp: 409366
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 16.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.53 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020429.D
Acq: 29 Dec 2020 13:12

Tgt Ion:113 Resp: 127083
Ion Ratio Lower Upper
113 100
111 102.0 81.9 122.9
192 21.4 16.7 25.1

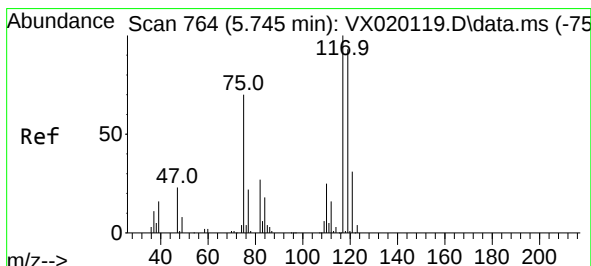
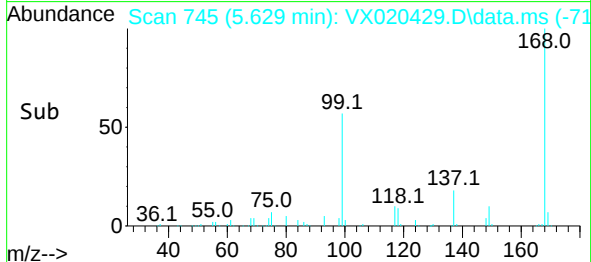
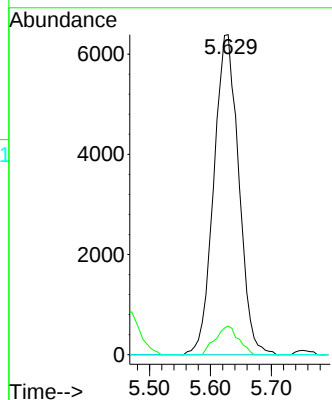
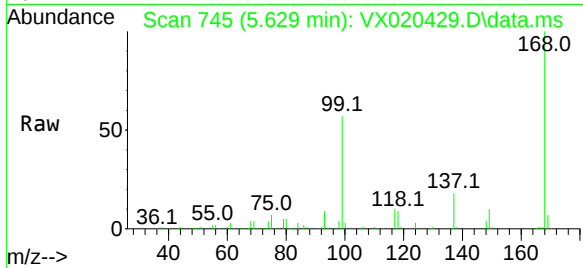




#36
1,1-Dichloropropene
Concen: 4.49 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020429.D
Acq: 29 Dec 2020 13:12

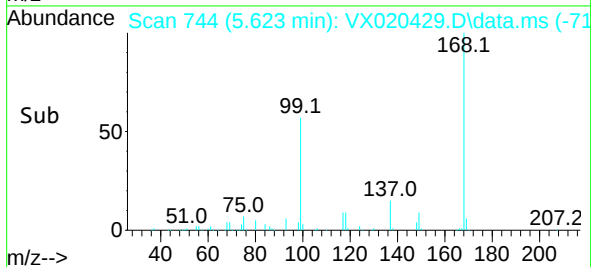
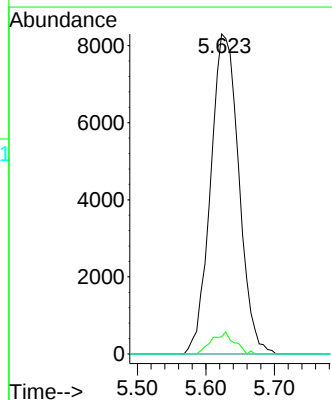
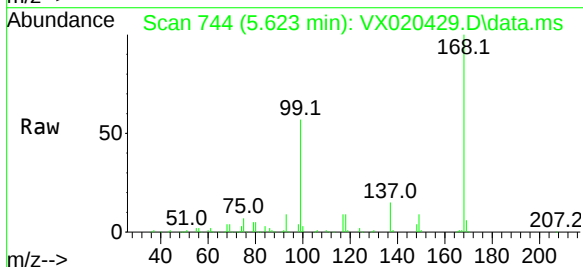
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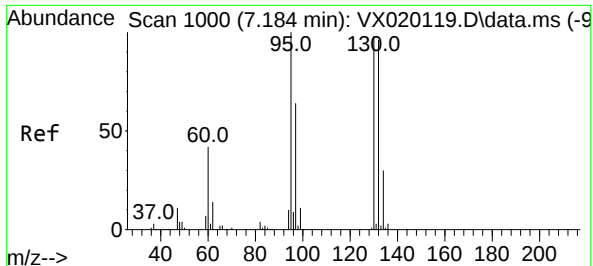
Tgt Ion: 75 Resp: 18164
Ion Ratio Lower Upper
75 100
110 8.2 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.18 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.122 min
Lab File: VX020429.D
Acq: 29 Dec 2020 13:12

Tgt Ion: 117 Resp: 23769
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.2#
121 0.0 24.8 37.2#

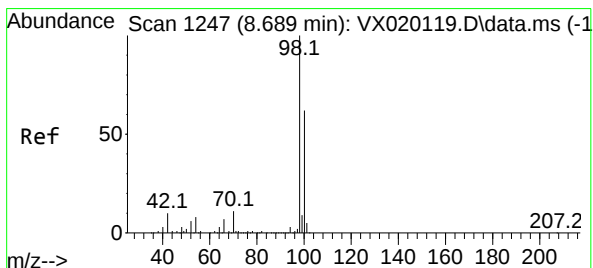
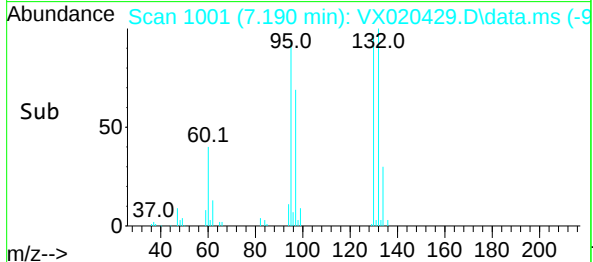
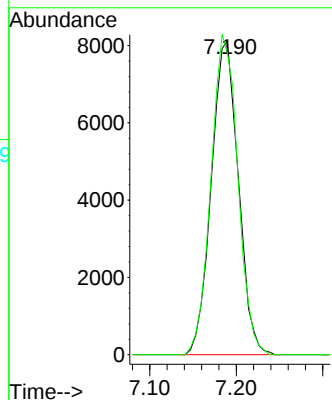
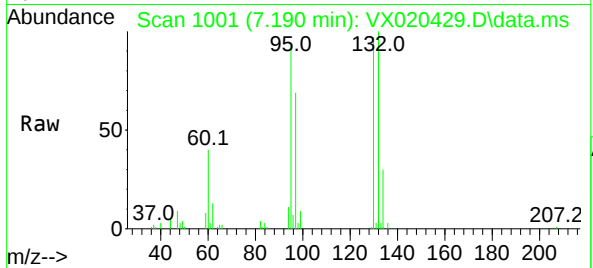




#44
Trichloroethene
Concen: 5.39 ug/l
RT: 7.190 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VX020429.D
Acq: 29 Dec 2020 13:12

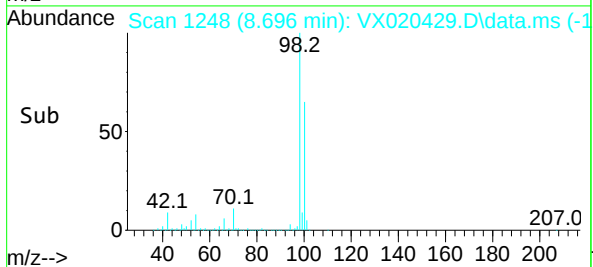
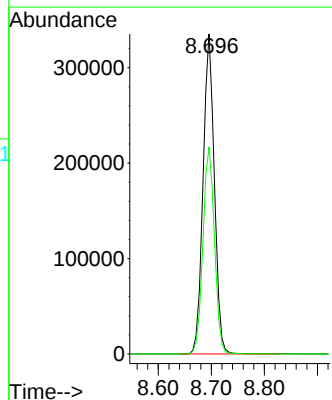
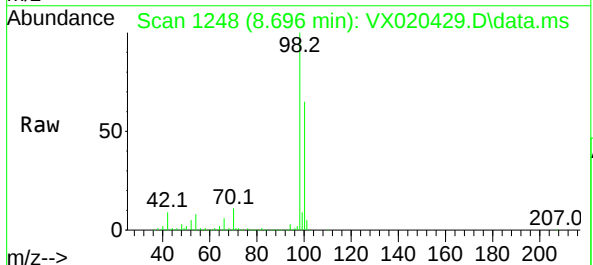
Instrument :
MSVOA_X
ClientSampleId :
1015-MW-01(23)DL

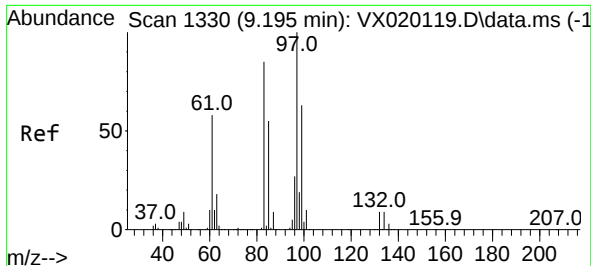
Tgt Ion:130 Resp: 17554
Ion Ratio Lower Upper
130 100
95 96.1 0.0 198.0



#50
Toluene-d8
Concen: 49.24 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020429.D
Acq: 29 Dec 2020 13:12

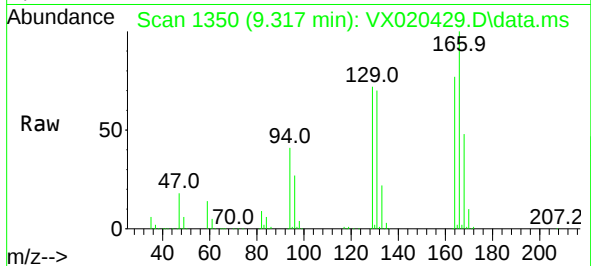
Tgt Ion: 98 Resp: 496353
Ion Ratio Lower Upper
98 100
100 65.9 51.9 77.9



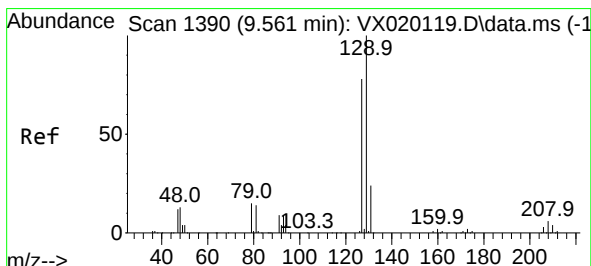
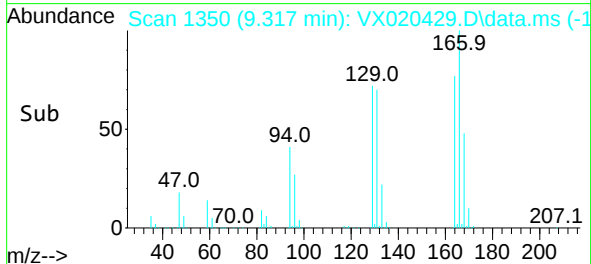
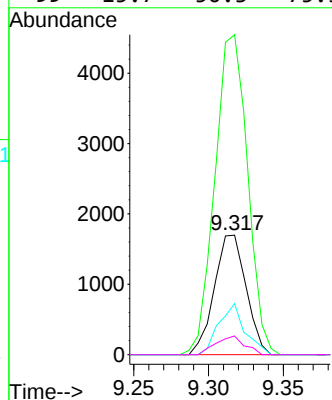


#55
1,1,2-Trichloroethane
Concen: 0.79 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.122 min
Lab File: VX020429.D
Acq: 29 Dec 2020 13:12

Instrument :
MSVOA_X
ClientSampleId :
1015-MW-01(23)DL

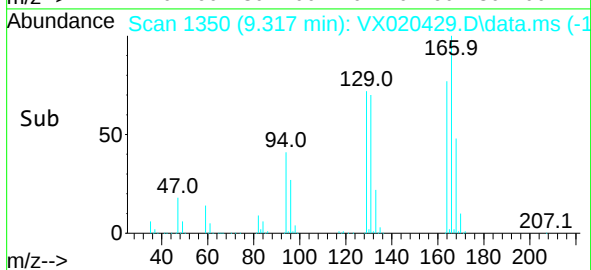
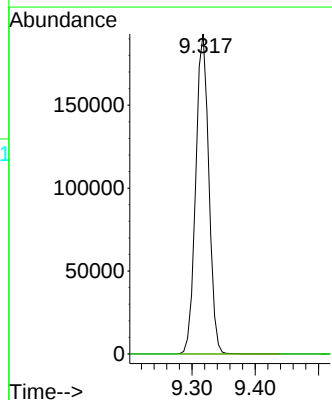
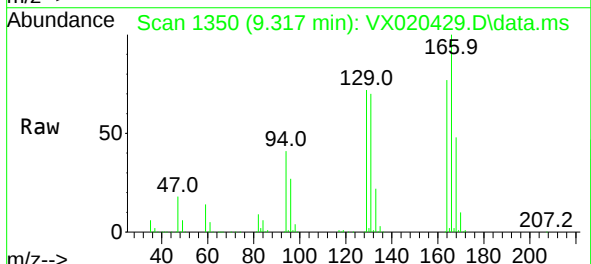


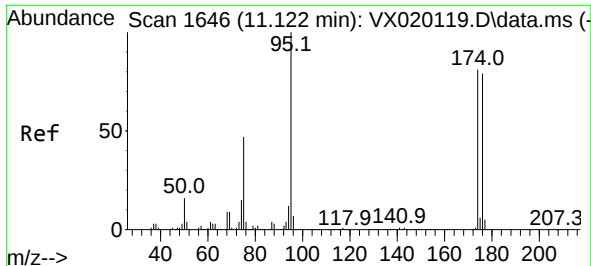
Tgt Ion	Ratio	Lower	Upper
97	100		
83	267.8	69.3	103.9#
85	42.7	44.3	66.5#
99	15.7	50.3	75.5#



#60
Dibromochloromethane
Concen: 88.41 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020429.D
Acq: 29 Dec 2020 13:12

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

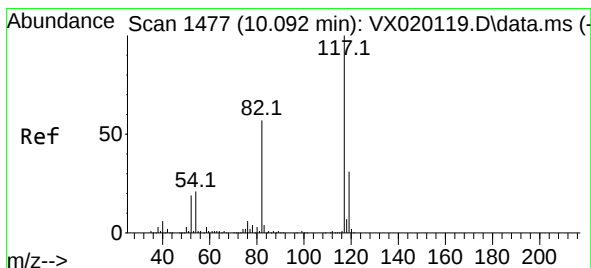
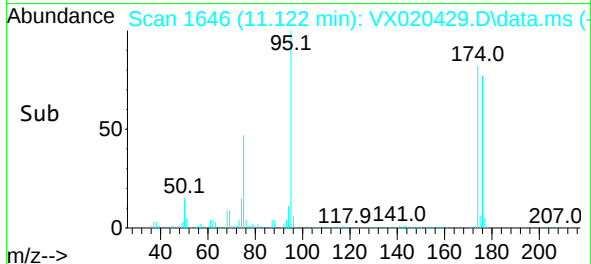
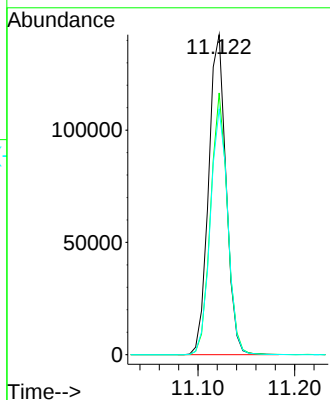
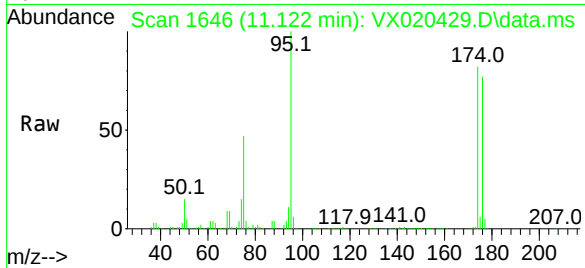




#62
4-Bromofluorobenzene
Concen: 46.52 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020429.D
Acq: 29 Dec 2020 13:12

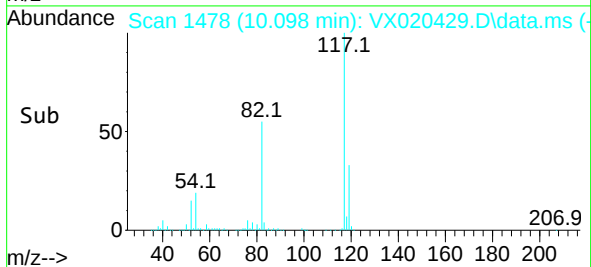
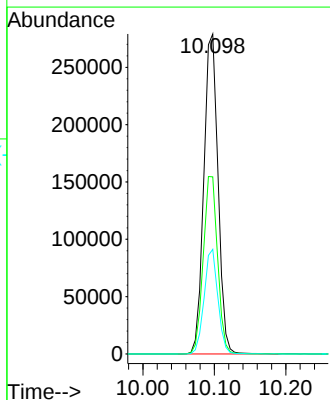
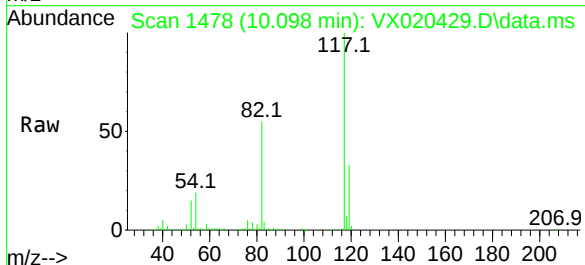
Instrument :
MSVOA_X
ClientSampleId :
1015-MW-01(23)DL

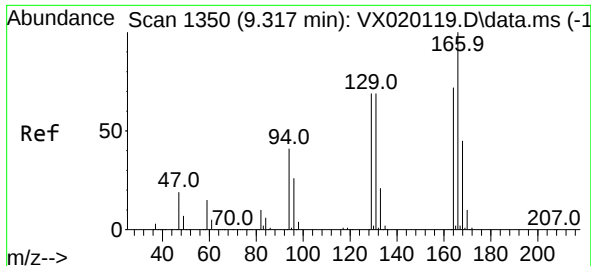
Tgt Ion: 95 Resp: 179491
Ion Ratio Lower Upper
95 100
174 78.6 0.0 154.6
176 76.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020429.D
Acq: 29 Dec 2020 13:12

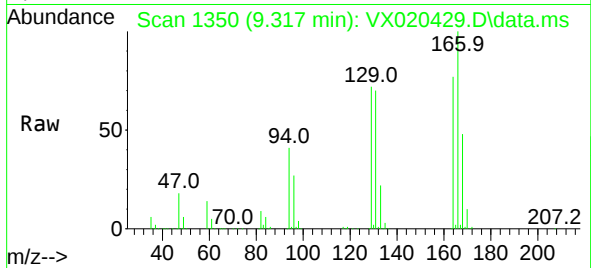
Tgt Ion: 117 Resp: 385711
Ion Ratio Lower Upper
117 100
82 55.4 47.4 71.2
119 32.7 26.6 39.8



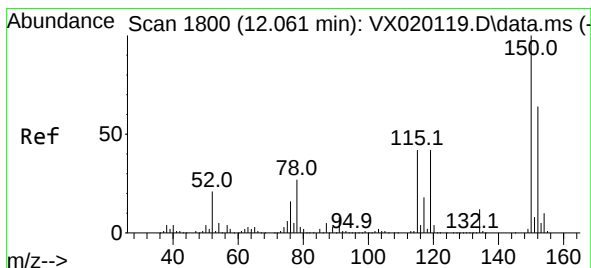
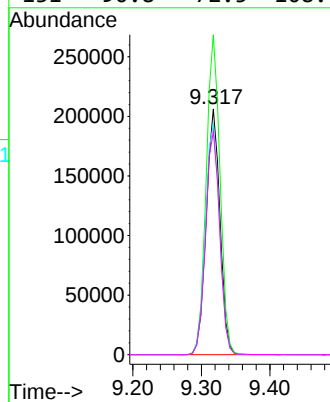
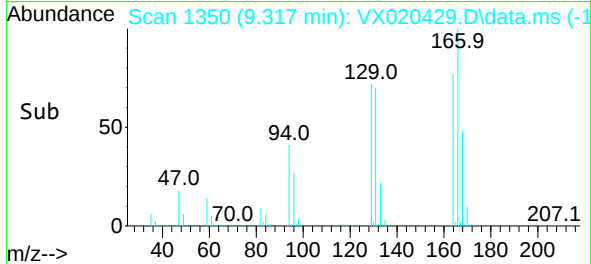


#64
Tetrachloroethene
Concen: 99.69 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020429.D
Acq: 29 Dec 2020 13:12

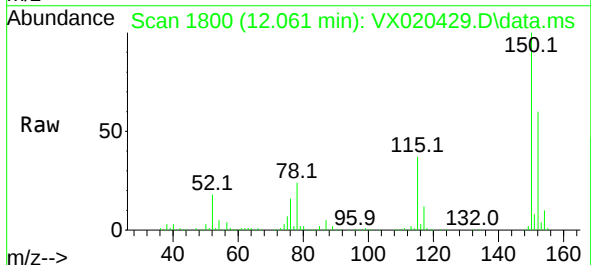
Instrument :
MSVOA_X
ClientSampleId :
1015-MW-01(23)DL



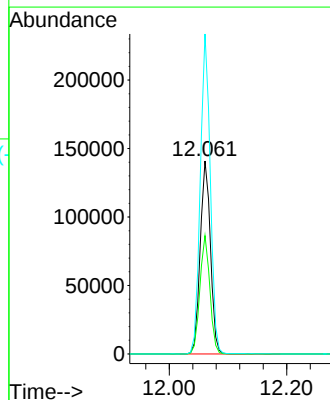
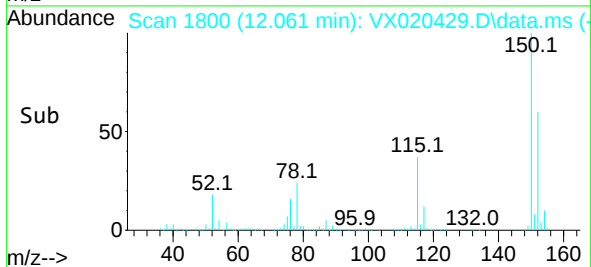
Tgt Ion:164 Resp: 289714
Ion Ratio Lower Upper
164 100
166 130.2 103.4 155.2
129 93.6 70.8 106.2
131 90.8 72.5 108.7

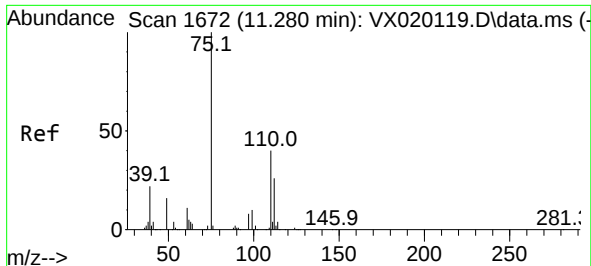


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020429.D
Acq: 29 Dec 2020 13:12



Tgt Ion:152 Resp: 170837
Ion Ratio Lower Upper
152 100
115 59.9 41.1 123.3
150 161.3 0.0 349.0

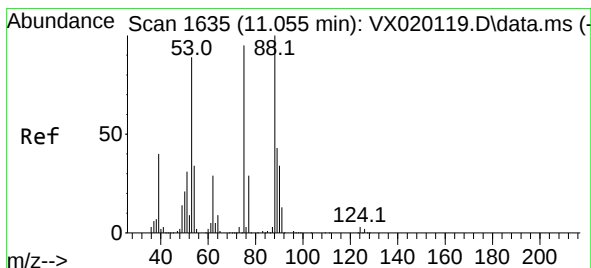
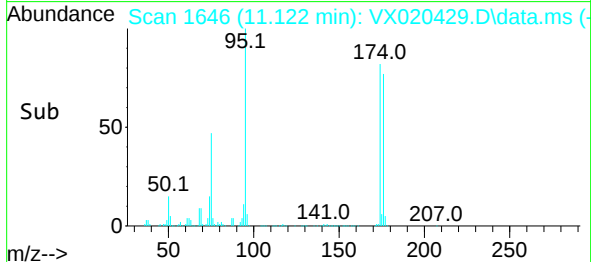
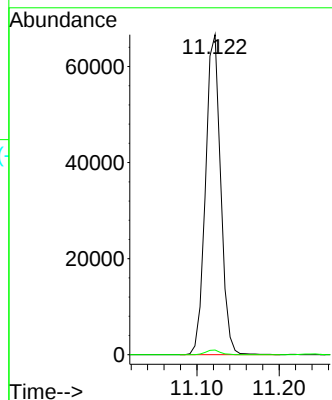
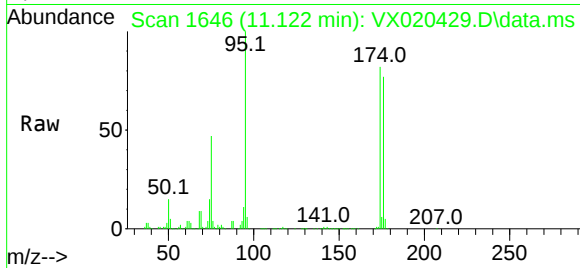




#76
1,2,3-Trichloropropane
Concen: 20.21 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020429.D
Acq: 29 Dec 2020 13:12

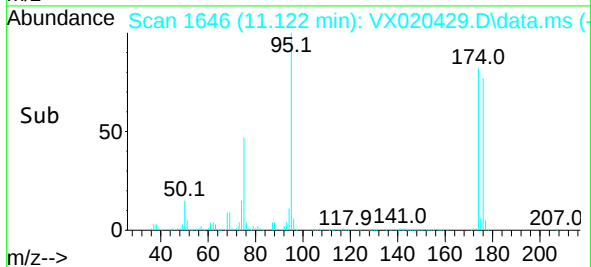
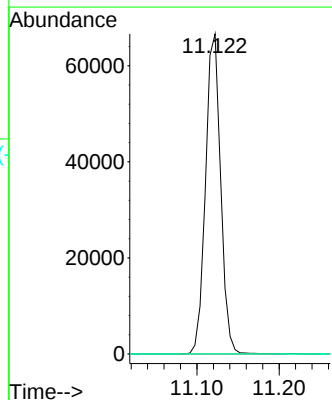
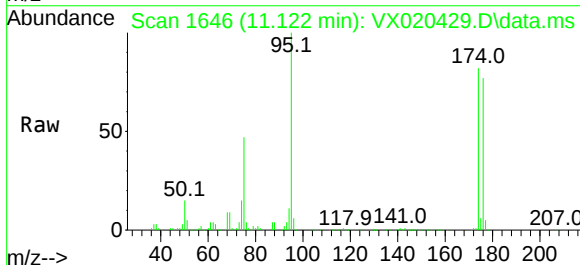
Instrument :
MSVOA_X
ClientSampleId :
1015-MW-01(23)DL

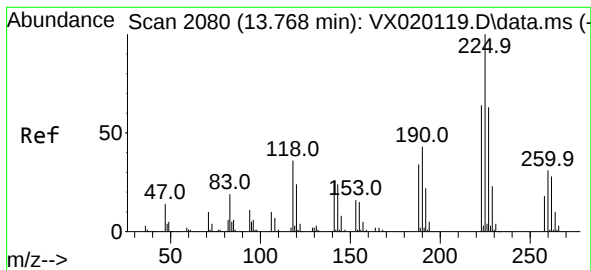
Tgt Ion: 75 Resp: 85034
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.95 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020429.D
Acq: 29 Dec 2020 13:12

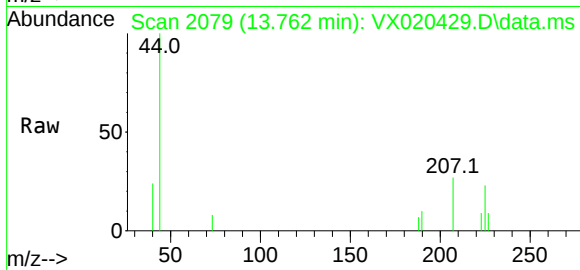
Tgt Ion: 75 Resp: 85034
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#94
 Hexachlorobutadiene
 Concen: 2.75 ug/l
 RT: 13.762 min Scan# 2079
 Delta R.T. -0.006 min
 Lab File: VX020429.D
 Acq: 29 Dec 2020 13:12

Instrument :
 MSVOA_X
 ClientSampleId :
 1015-MW-01(23)DL



Tgt Ion:	225	Resp:	176
Ion	Ratio	Lower	Upper
225	100		
223	27.8	31.1	93.2#
227	43.8	31.6	95.0

