

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122920\
 Data File : VX020432.D
 Acq On : 29 Dec 2020 14:22
 Operator : JC/MD
 Sample : L5236-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1019-MW-11(15)

Quant Time: Dec 30 02:36:51 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	245539	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	397659	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	360547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	149606	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	146385	44.48	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	88.96%
35) Dibromofluoromethane	5.464	113	122861	48.30	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.60%
50) Toluene-d8	8.696	98	474241	48.43	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.86%
62) 4-Bromofluorobenzene	11.122	95	167535	44.70	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	89.40%

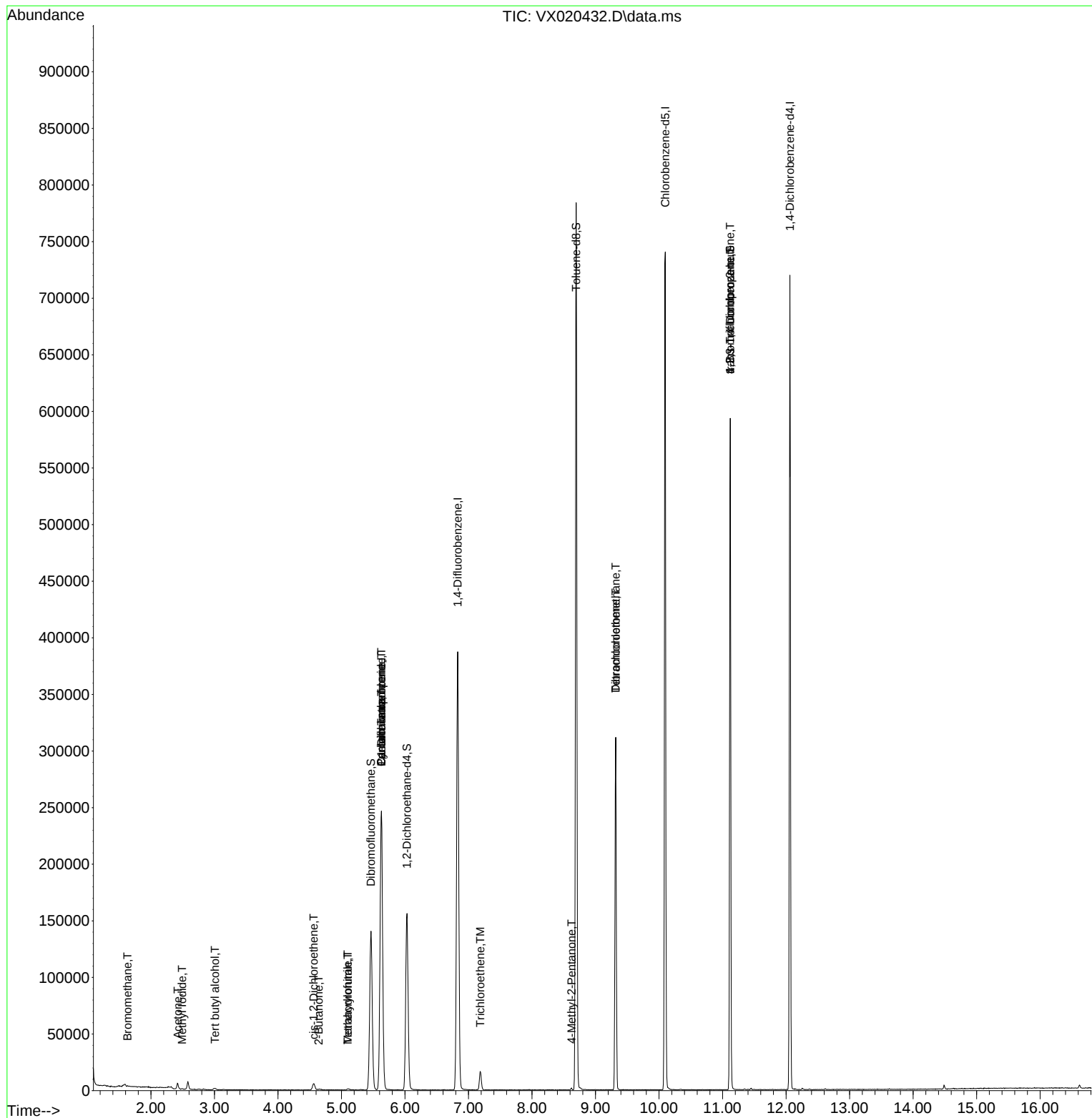
Target Compounds						Qvalue
5) Bromomethane	1.630	94	476	0.44	ug/l	89
10) Methyl Iodide	2.489	142	395	3.40	ug/l #	84
11) Tert butyl alcohol	3.008	59	1606	2.18	ug/l #	89
16) Acetone	2.422	43	5411	3.61	ug/l	100
25) 2-Butanone	4.641	43	865	0.40	ug/l #	45
27) cis-1,2-Dichloroethene	4.562	96	3878	1.13	ug/l	89
29) Tetrahydrofuran	5.099	42	878	0.64	ug/l #	81
31) Cyclohexane	5.629	56	4229	0.93	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	17737	4.51	ug/l #	48
38) Carbon Tetrachloride	5.629	117	23309	6.24	ug/l #	16
41) Methacrylonitrile	5.099	41	467	0.21	ug/l #	26
44) Trichloroethene	7.184	130	6778	2.14	ug/l	93
51) 4-Methyl-2-Pentanone	8.622	43	859	0.22	ug/l #	79
60) Dibromochloromethane	9.317	129	58429	19.12	ug/l #	11
64) Tetrachloroethene	9.317	164	61317	22.57	ug/l	96
76) 1,2,3-Trichloropropane	11.122	75	77354	20.99	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	77354	62.27	ug/l #	12

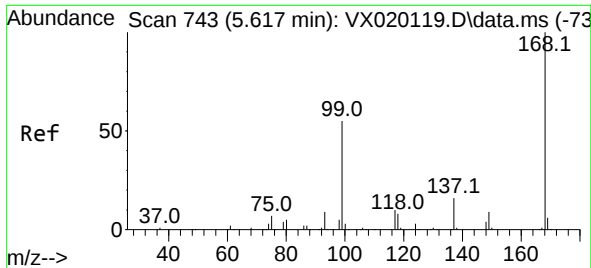
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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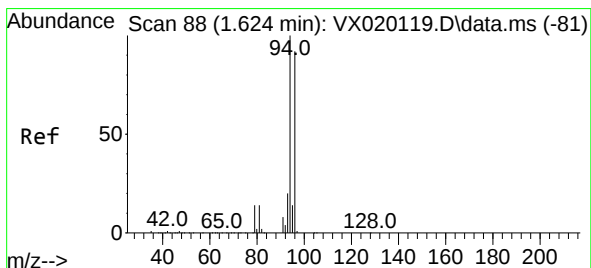
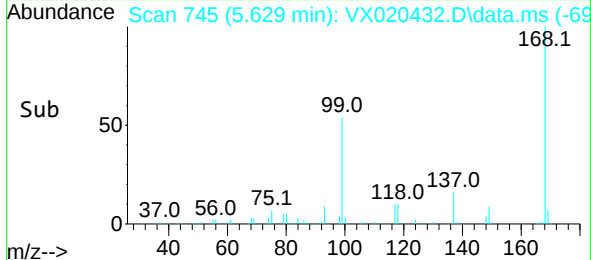
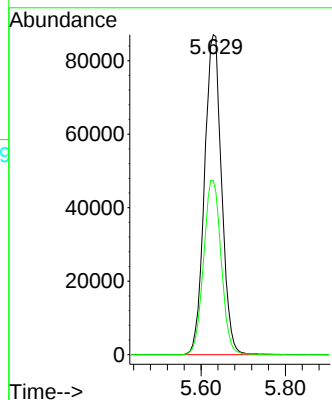
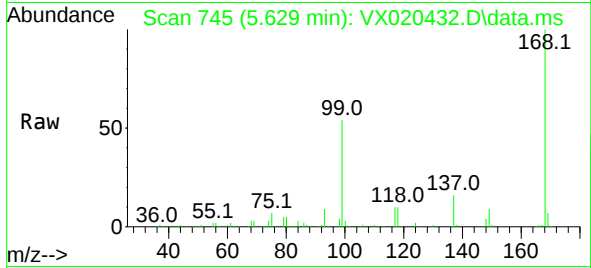




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020432.D
Acq: 29 Dec 2020 14:22

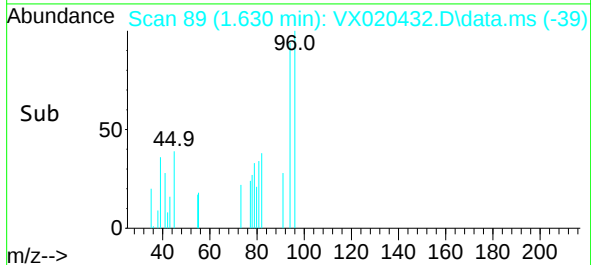
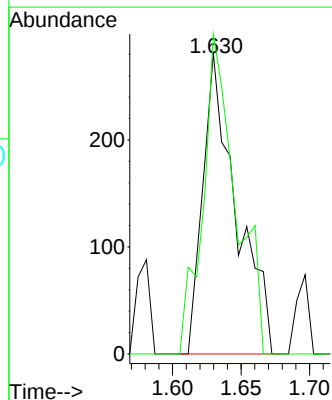
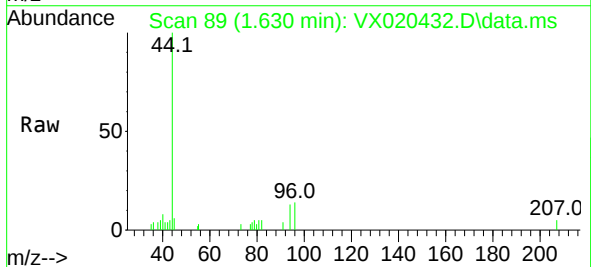
Instrument :
MSVOA_X
ClientSampleId :
1019-MW-11(15)

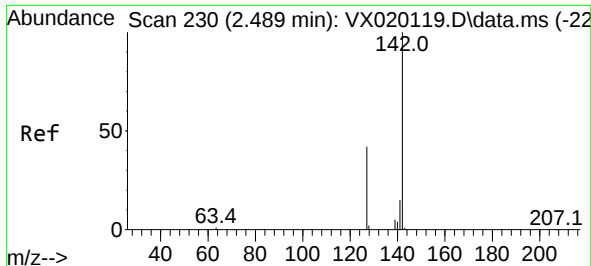
Tgt Ion:168 Resp: 245539
Ion Ratio Lower Upper
168 100
99 54.5 45.8 68.6



#5
Bromomethane
Concen: 0.44 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020432.D
Acq: 29 Dec 2020 14:22

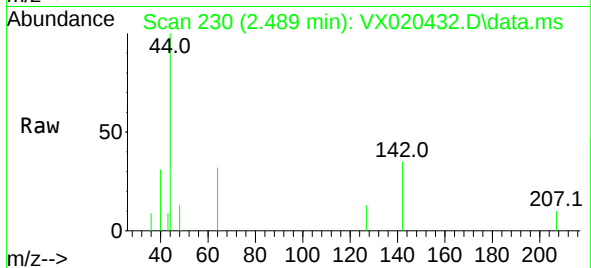
Tgt Ion: 94 Resp: 476
Ion Ratio Lower Upper
94 100
96 106.4 76.4 114.6



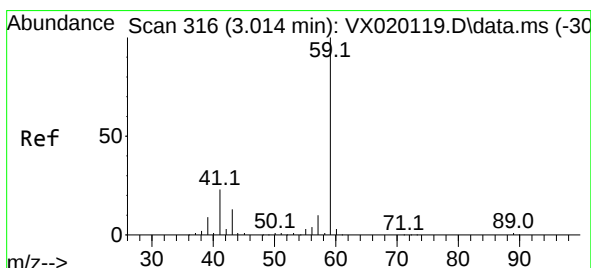
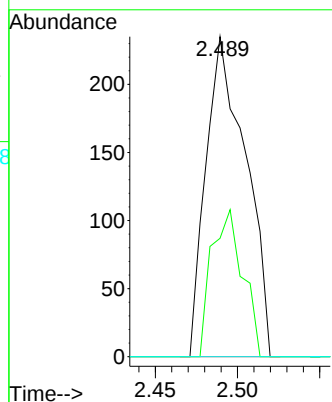
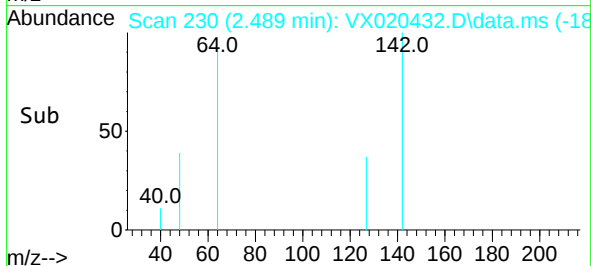


#10
Methyl Iodide
Concen: 3.40 ug/l
RT: 2.489 min Scan# 230
Delta R.T. 0.000 min
Lab File: VX020432.D
Acq: 29 Dec 2020 14:22

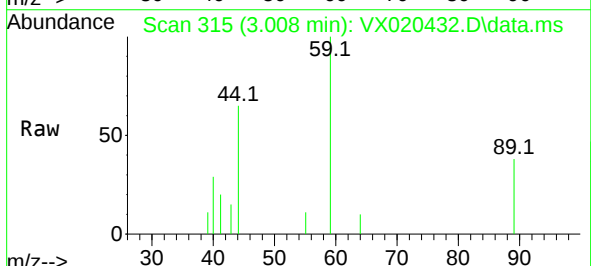
Instrument :
MSVOA_X
ClientSampleId :
1019-MW-11(15)



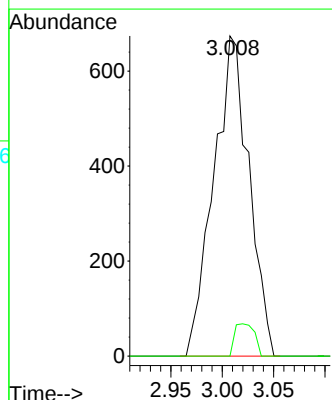
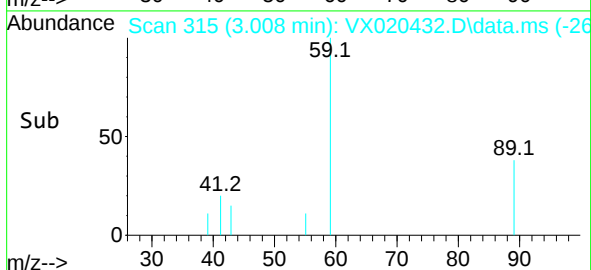
Tgt Ion:142 Resp: 395
Ion Ratio Lower Upper
142 100
127 35.9 33.3 49.9
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 2.18 ug/l
RT: 3.008 min Scan# 315
Delta R.T. -0.006 min
Lab File: VX020432.D
Acq: 29 Dec 2020 14:22



Tgt Ion: 59 Resp: 1606
Ion Ratio Lower Upper
59 100
57 5.7 7.8 11.8#

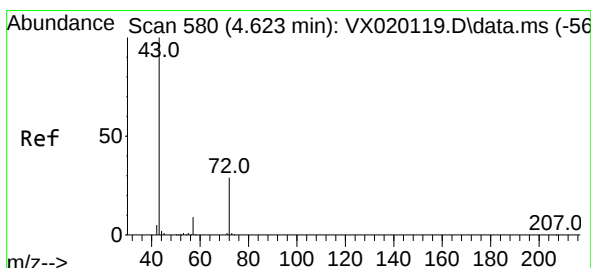
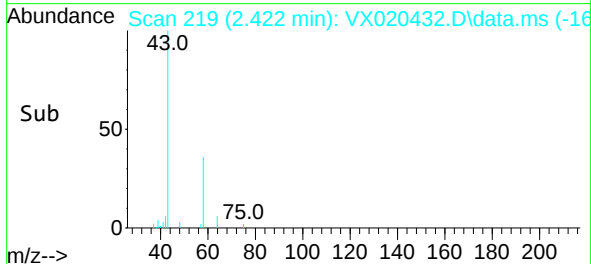
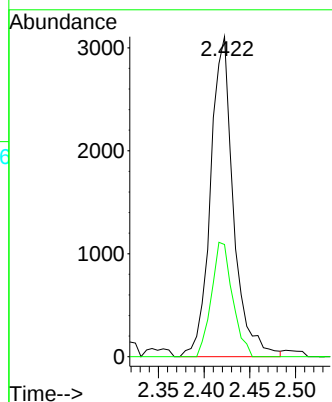
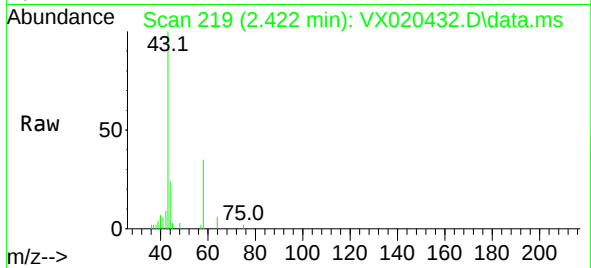




#16
Acetone
Concen: 3.61 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.006 min
Lab File: VX020432.D
Acq: 29 Dec 2020 14:22

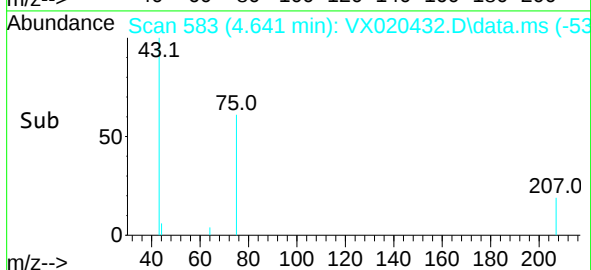
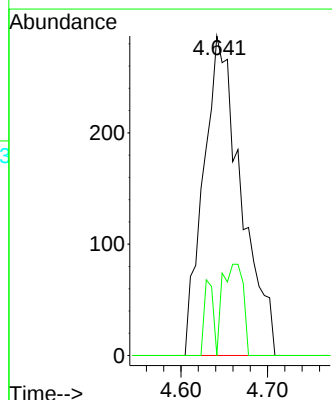
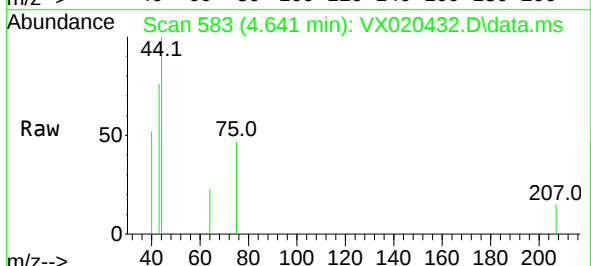
Instrument :
MSVOA_X
ClientSampleId :
1019-MW-11(15)

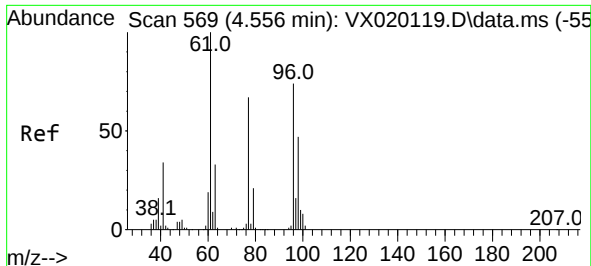
Tgt Ion: 43 Resp: 5411
Ion Ratio Lower Upper
43 100
58 35.0 27.8 41.8



#25
2-Butanone
Concen: 0.40 ug/l
RT: 4.641 min Scan# 583
Delta R.T. 0.018 min
Lab File: VX020432.D
Acq: 29 Dec 2020 14:22

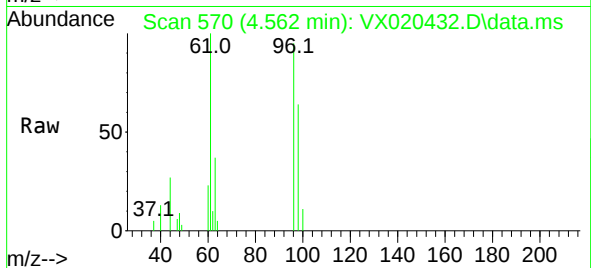
Tgt Ion: 43 Resp: 865
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



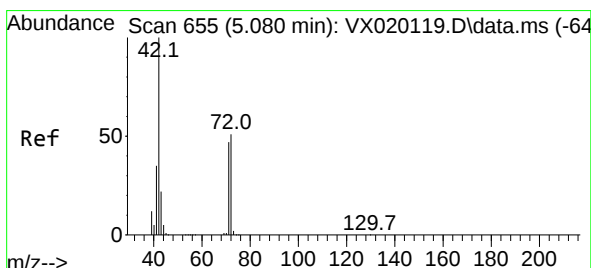
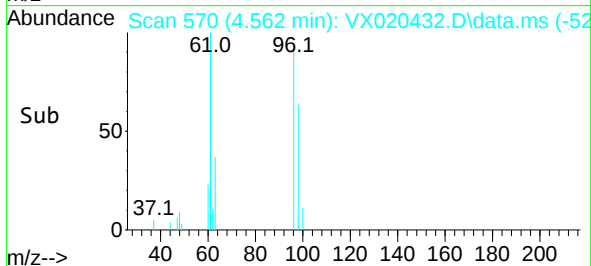
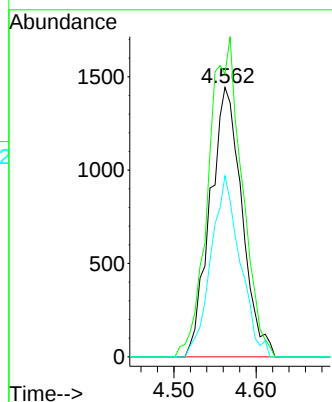


#27
cis-1,2-Dichloroethene
Concen: 1.13 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX020432.D
Acq: 29 Dec 2020 14:22

Instrument :
MSVOA_X
ClientSampleId :
1019-MW-11(15)

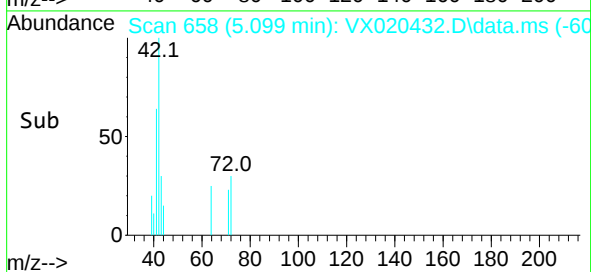
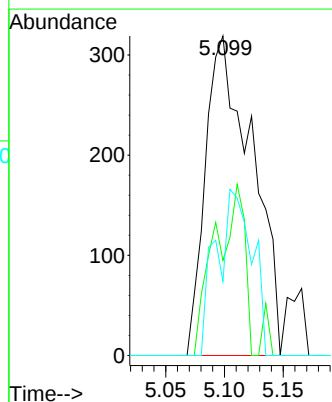
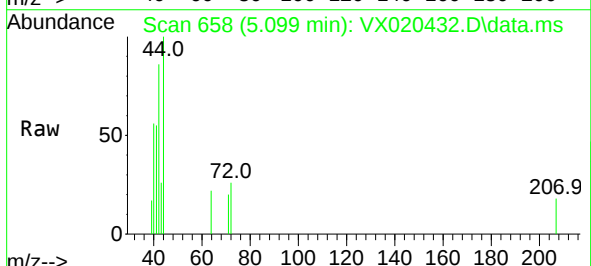


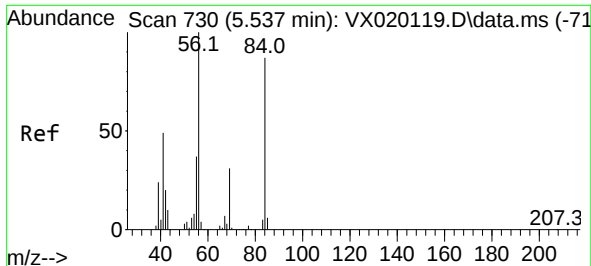
Tgt Ion: 96 Resp: 3878
Ion Ratio Lower Upper
96 100
61 125.0 0.0 285.6
98 61.7 0.0 129.6



#29
Tetrahydrofuran
Concen: 0.64 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.019 min
Lab File: VX020432.D
Acq: 29 Dec 2020 14:22

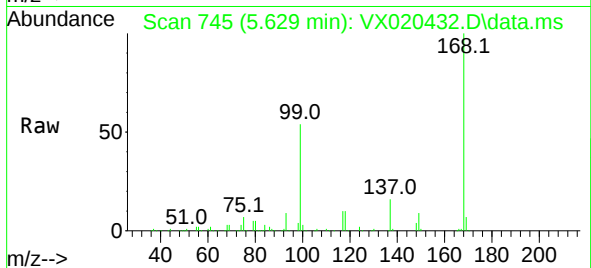
Tgt Ion: 42 Resp: 878
Ion Ratio Lower Upper
42 100
72 33.9 41.7 62.5#
71 40.0 38.4 57.6



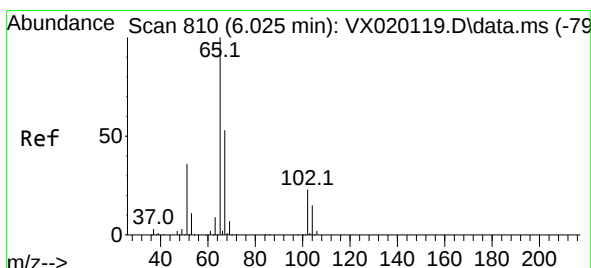
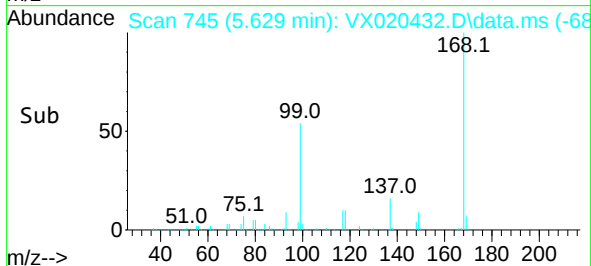
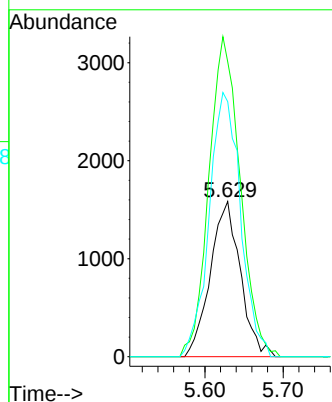


#31
Cyclohexane
Concen: 0.93 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.092 min
Lab File: VX020432.D
Acq: 29 Dec 2020 14:22

Instrument :
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ClientSampleId :
1019-MW-11(15)

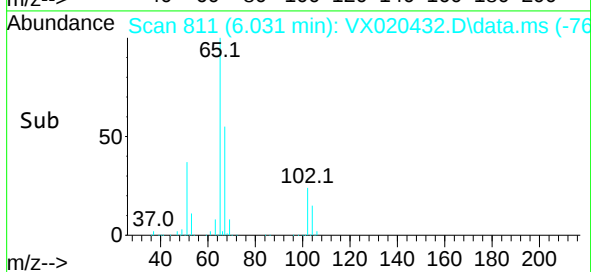
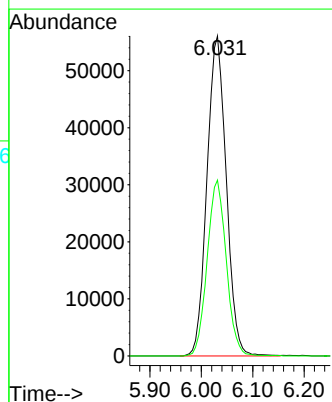
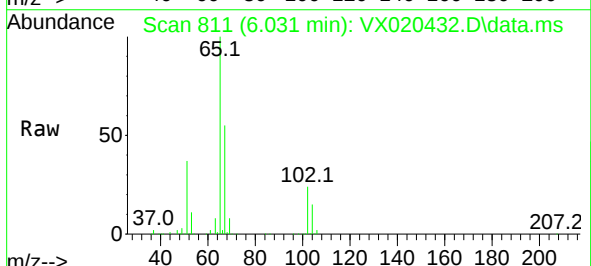


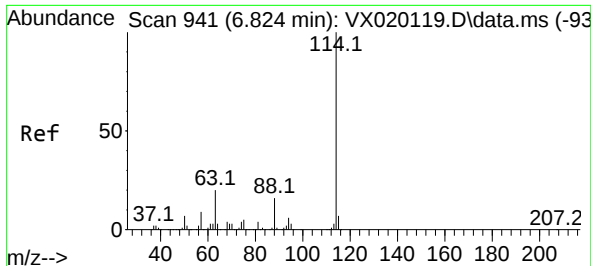
Tgt Ion: 56 Resp: 4229
Ion Ratio Lower Upper
56 100
69 190.0 25.3 37.9#
84 164.3 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 44.48 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020432.D
Acq: 29 Dec 2020 14:22

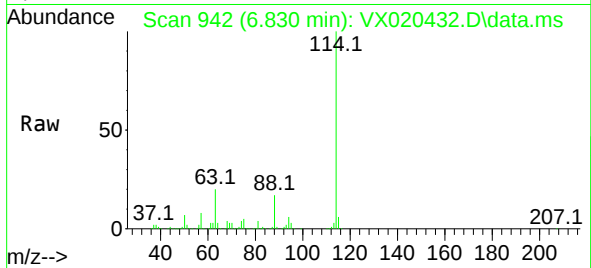
Tgt Ion: 65 Resp: 146385
Ion Ratio Lower Upper
65 100
67 54.3 0.0 105.4



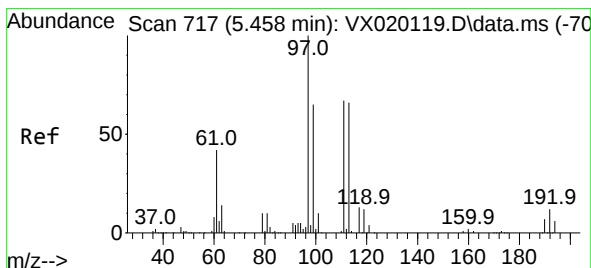
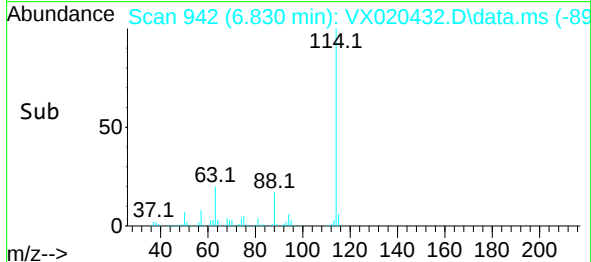
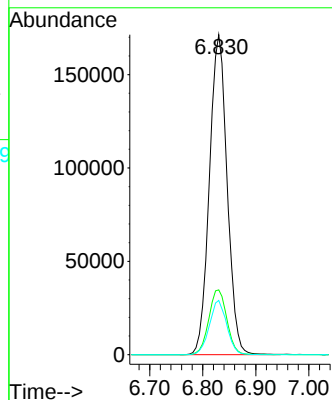


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020432.D
Acq: 29 Dec 2020 14:22

Instrument :
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ClientSampleId :
1019-MW-11(15)

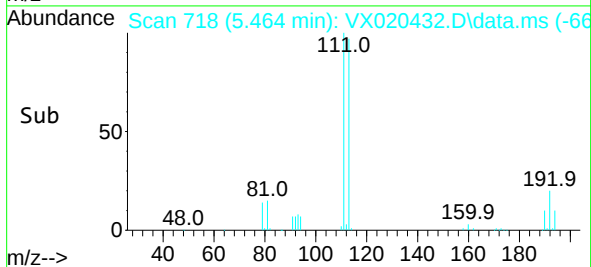
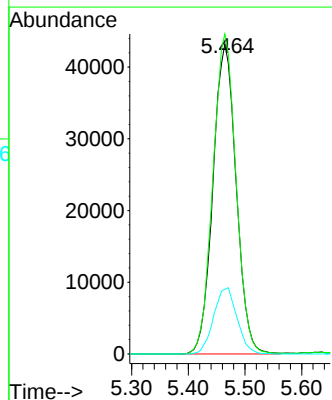
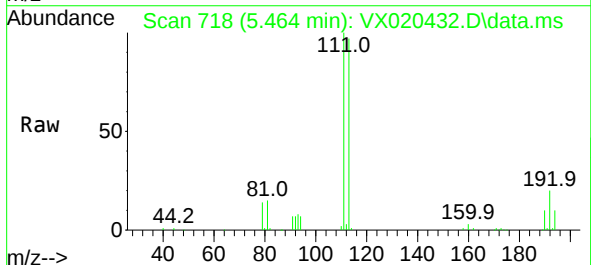


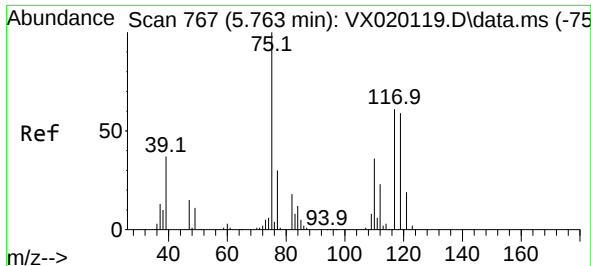
Tgt Ion:114 Resp: 397659
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 17.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.30 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020432.D
Acq: 29 Dec 2020 14:22

Tgt Ion:113 Resp: 122861
Ion Ratio Lower Upper
113 100
111 102.8 81.9 122.9
192 21.5 16.7 25.1

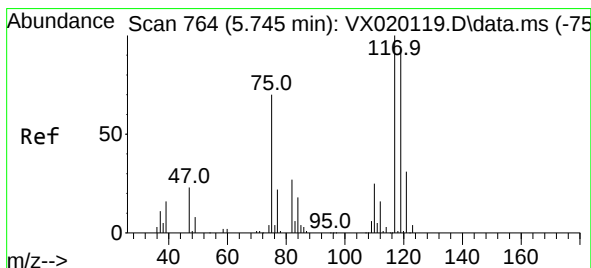
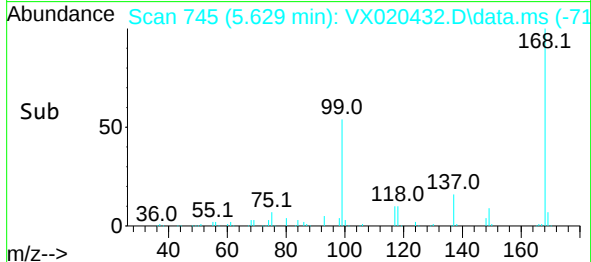
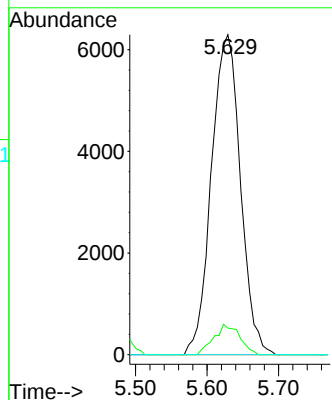
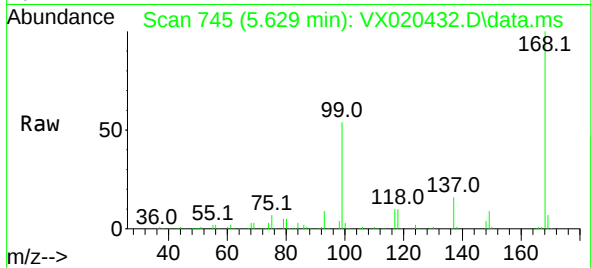




#36
1,1-Dichloropropene
Concen: 4.51 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020432.D
Acq: 29 Dec 2020 14:22

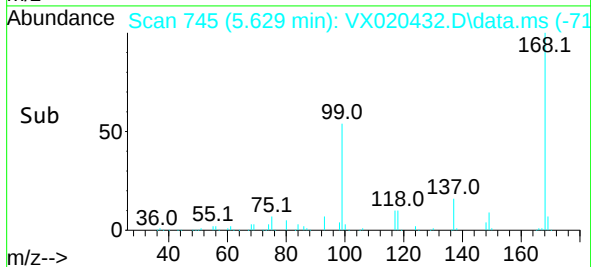
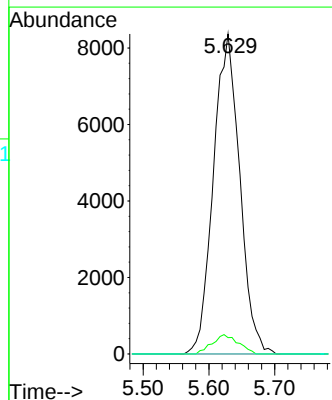
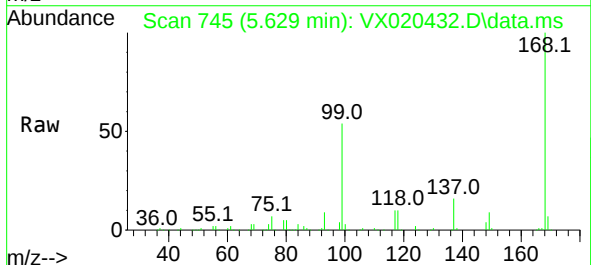
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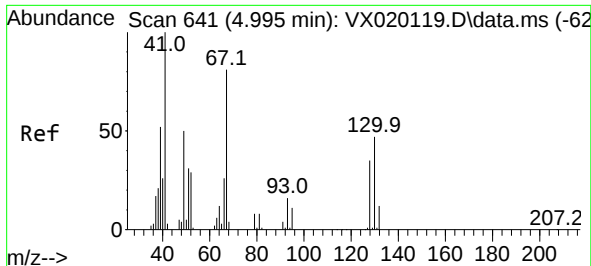
Tgt Ion: 75 Resp: 17737
Ion Ratio Lower Upper
75 100
110 8.4 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.24 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020432.D
Acq: 29 Dec 2020 14:22

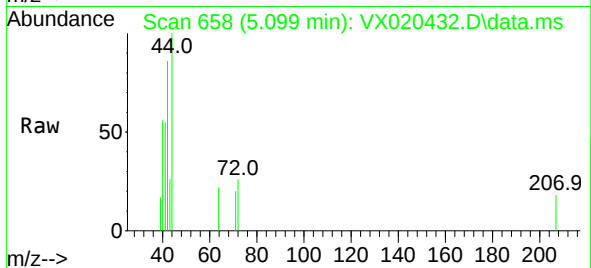
Tgt Ion: 117 Resp: 23309
Ion Ratio Lower Upper
117 100
119 5.1 76.2 114.2#
121 0.0 24.8 37.2#



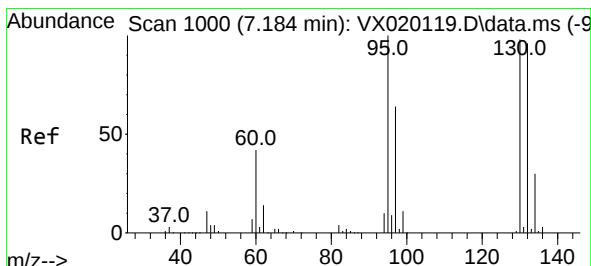
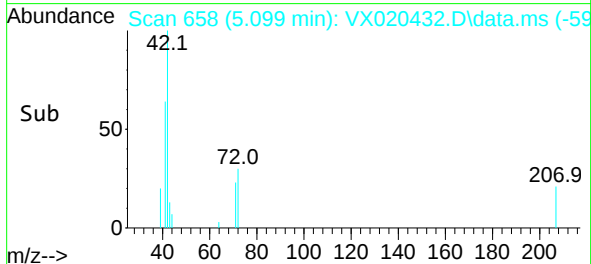
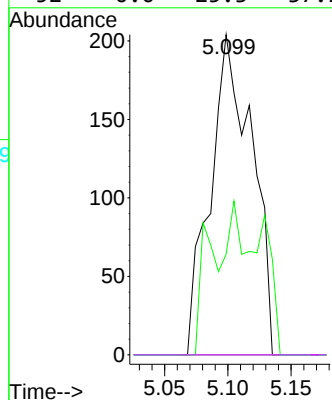


#41
Methacrylonitrile
Concen: 0.21 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.104 min
Lab File: VX020432.D
Acq: 29 Dec 2020 14:22

Instrument :
MSVOA_X
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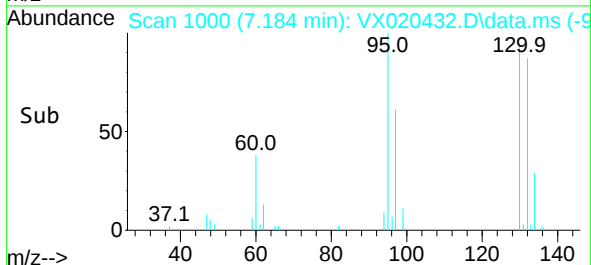
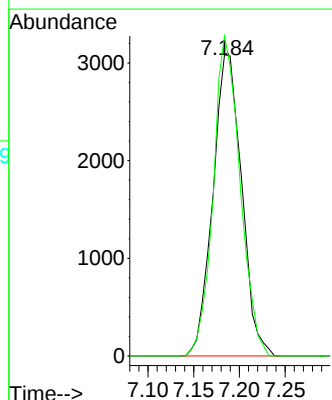
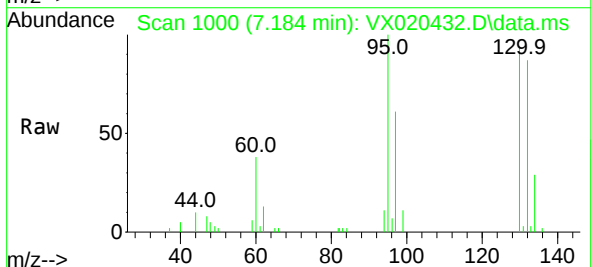


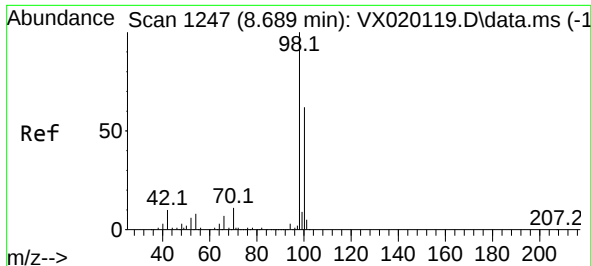
Tgt Ion:	41	Resp:	467
Ion Ratio	100	Lower	Upper
39	12.0	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#44
Trichloroethene
Concen: 2.14 ug/l
RT: 7.184 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VX020432.D
Acq: 29 Dec 2020 14:22

Tgt Ion:	130	Resp:	6778
Ion Ratio	100	Lower	Upper
95	106.2	0.0	198.0

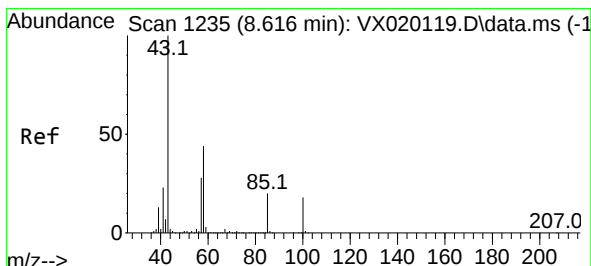
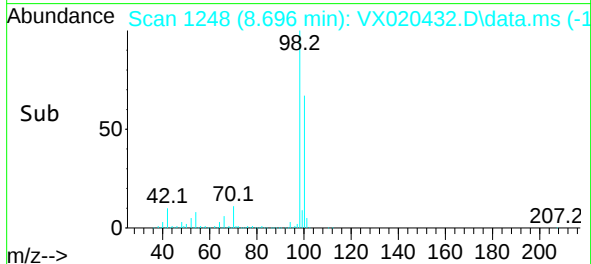
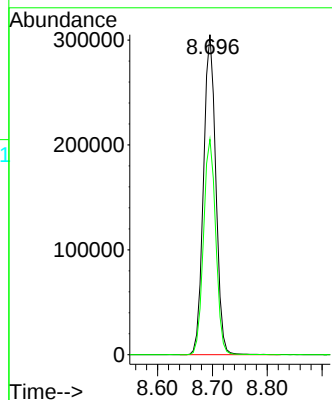
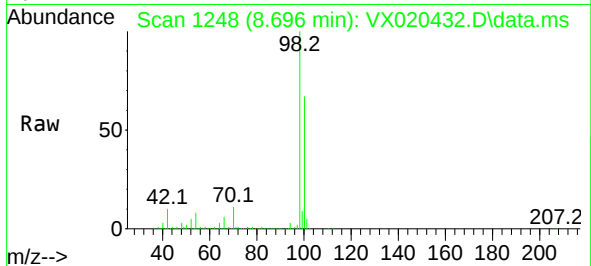




#50
Toluene-d8
Concen: 48.43 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020432.D
Acq: 29 Dec 2020 14:22

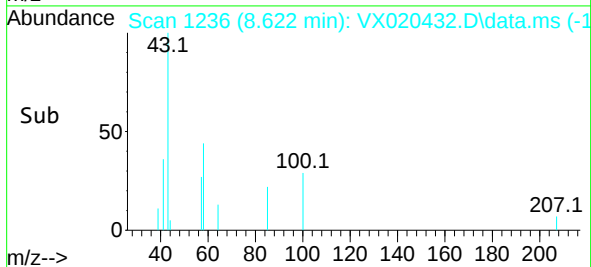
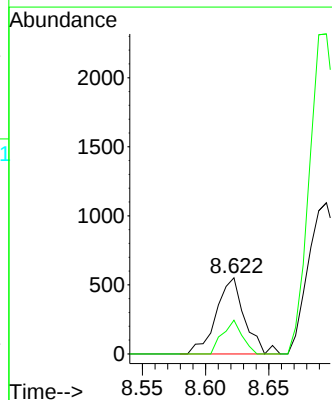
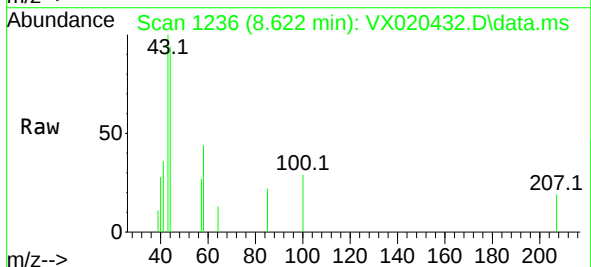
Instrument :
MSVOA_X
ClientSampleId :
1019-MW-11(15)

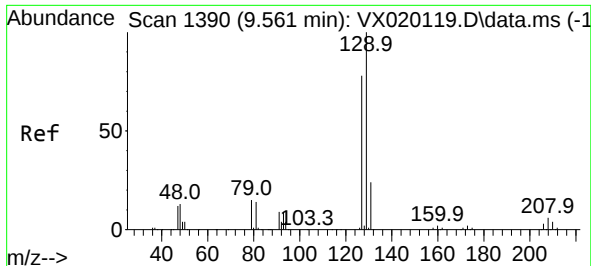
Tgt Ion: 98 Resp: 474241
Ion Ratio Lower Upper
98 100
100 67.2 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.22 ug/l
RT: 8.622 min Scan# 1236
Delta R.T. 0.006 min
Lab File: VX020432.D
Acq: 29 Dec 2020 14:22

Tgt Ion: 43 Resp: 859
Ion Ratio Lower Upper
43 100
58 30.6 35.4 53.0#

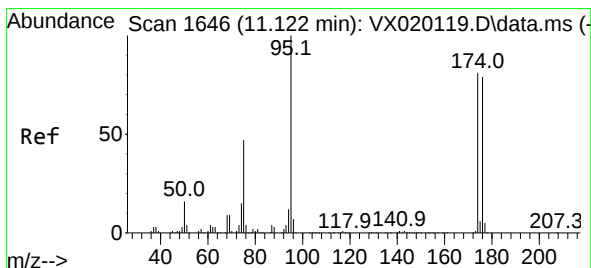
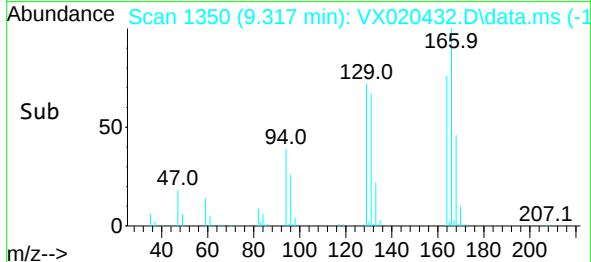
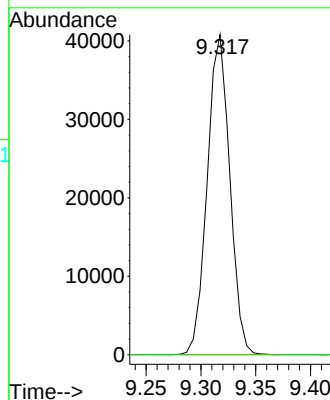
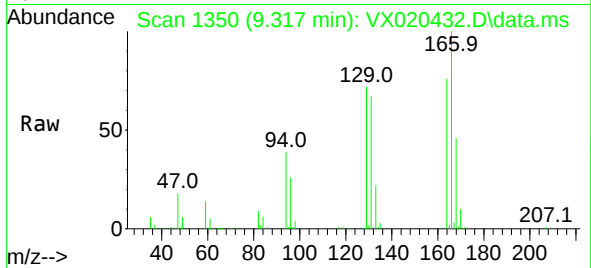




#60
Dibromochloromethane
Concen: 19.12 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020432.D
Acq: 29 Dec 2020 14:22

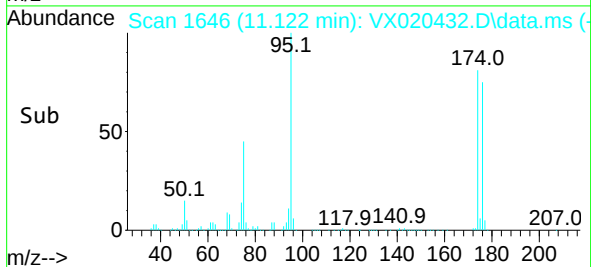
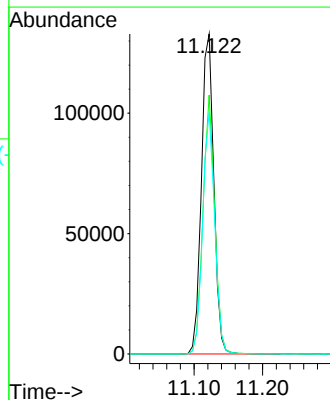
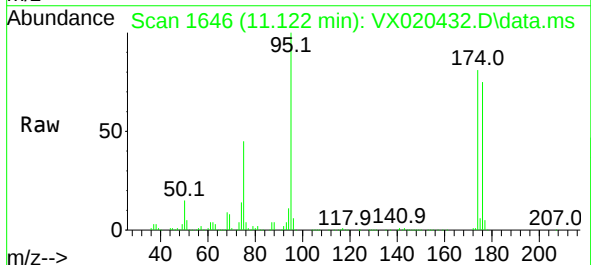
Instrument :
MSVOA_X
ClientSampleId :
1019-MW-11(15)

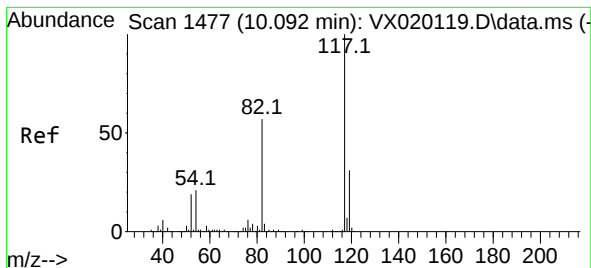
Tgt Ion:129 Resp: 58429
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 44.70 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020432.D
Acq: 29 Dec 2020 14:22

Tgt Ion: 95 Resp: 167535
Ion Ratio Lower Upper
95 100
174 77.2 0.0 154.6
176 73.3 0.0 155.8

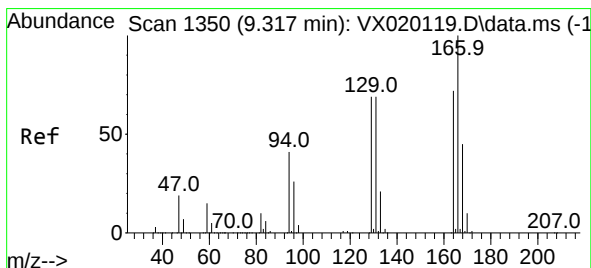
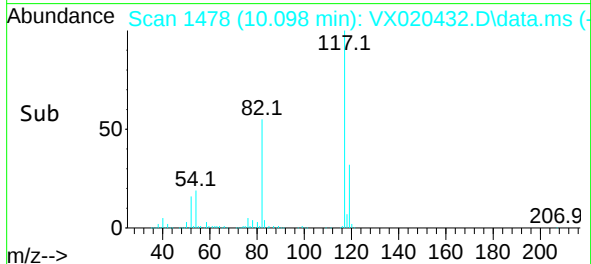
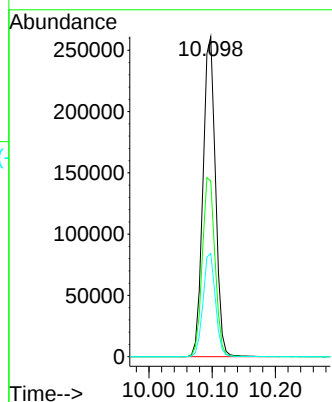
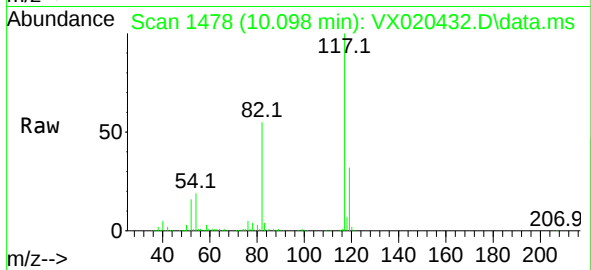




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020432.D
Acq: 29 Dec 2020 14:22

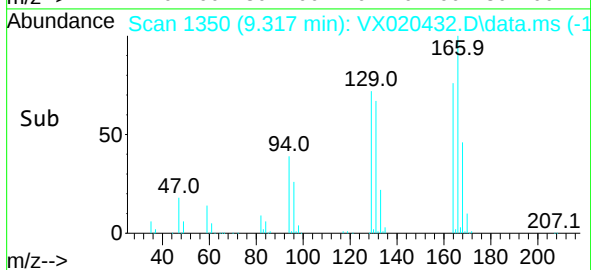
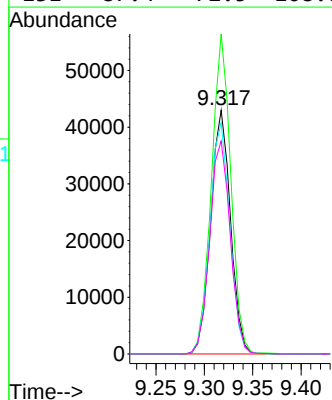
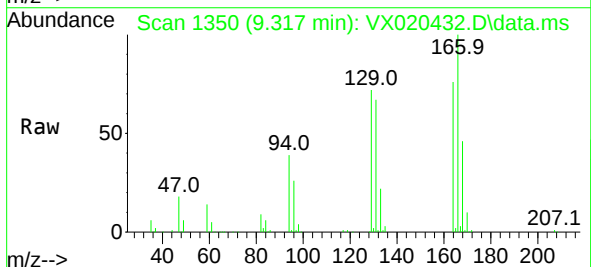
Instrument :
MSVOA_X
ClientSampleId :
1019-MW-11(15)

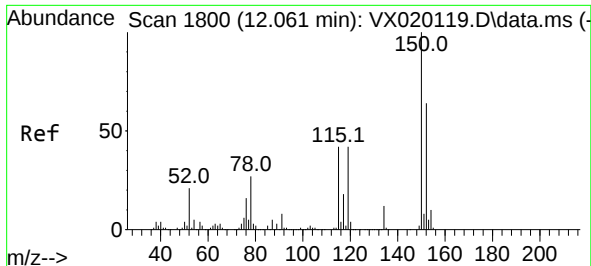
Tgt Ion:117 Resp: 360547
Ion Ratio Lower Upper
117 100
82 54.9 47.4 71.2
119 32.2 26.6 39.8



#64
Tetrachloroethene
Concen: 22.57 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020432.D
Acq: 29 Dec 2020 14:22

Tgt Ion:164 Resp: 61317
Ion Ratio Lower Upper
164 100
166 131.3 103.4 155.2
129 94.9 70.8 106.2
131 87.4 72.5 108.7

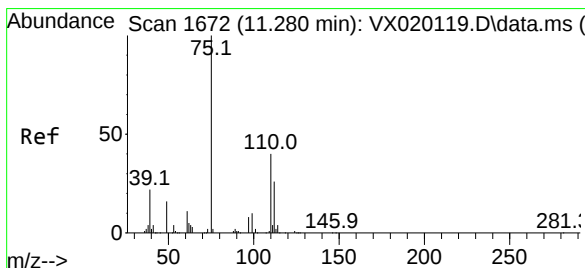
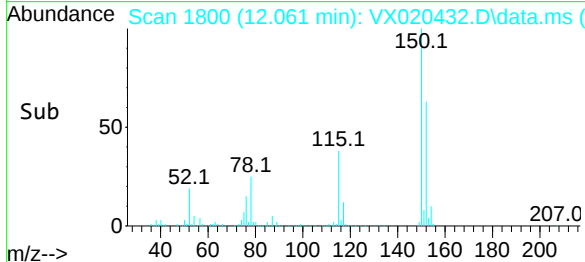
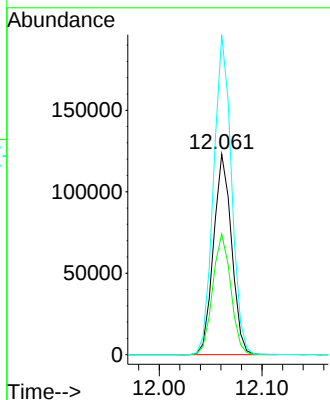
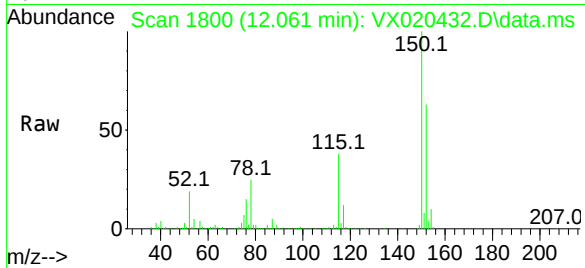




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020432.D
Acq: 29 Dec 2020 14:22

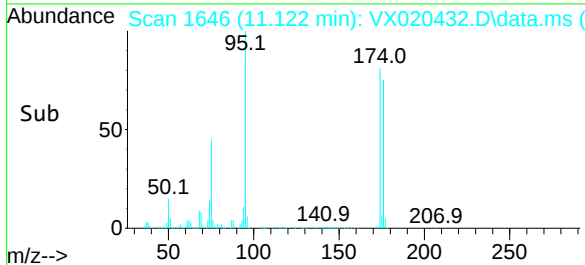
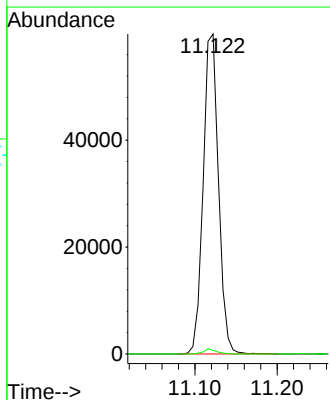
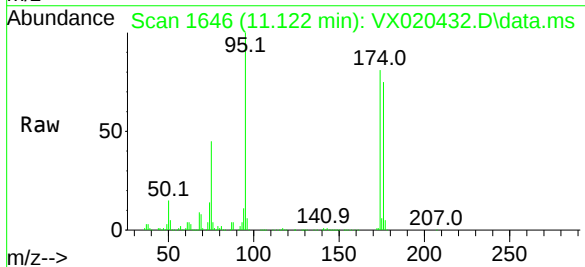
Instrument :
MSVOA_X
ClientSampleId :
1019-MW-11(15)

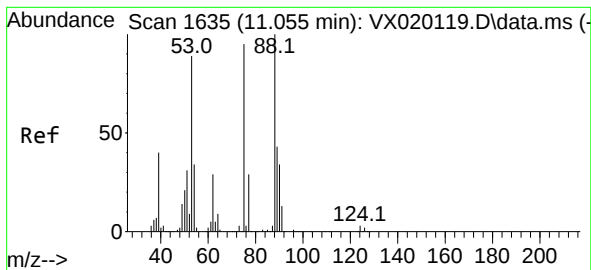
Tgt Ion:152 Resp: 149606
Ion Ratio Lower Upper
152 100
115 60.3 41.1 123.3
150 158.2 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 20.99 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020432.D
Acq: 29 Dec 2020 14:22

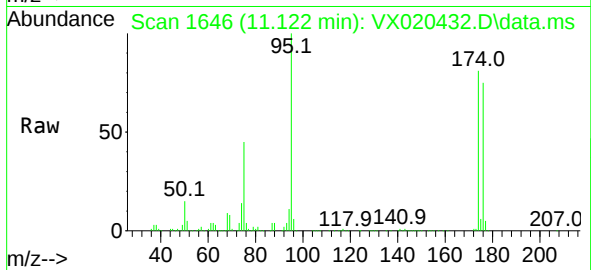
Tgt Ion: 75 Resp: 77354
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.27 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. 0.067 min
 Lab File: VX020432.D
 Acq: 29 Dec 2020 14:22

Instrument :
 MSVOA_X
 ClientSampleId :
 1019-MW-11(15)



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

