

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122920\
 Data File : VX020435.D
 Acq On : 29 Dec 2020 15:32
 Operator : JC/MD
 Sample : L5236-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1018-MW-05(17)

Quant Time: Dec 30 02:37:40 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	241113	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	391085	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.097	117	359497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.060	152	151292	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	145189	44.92	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	89.84%
35) Dibromofluoromethane	5.464	113	124716	49.85	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.70%
50) Toluene-d8	8.695	98	473260	49.14	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.28%
62) 4-Bromofluorobenzene	11.122	95	166325	45.13	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.26%

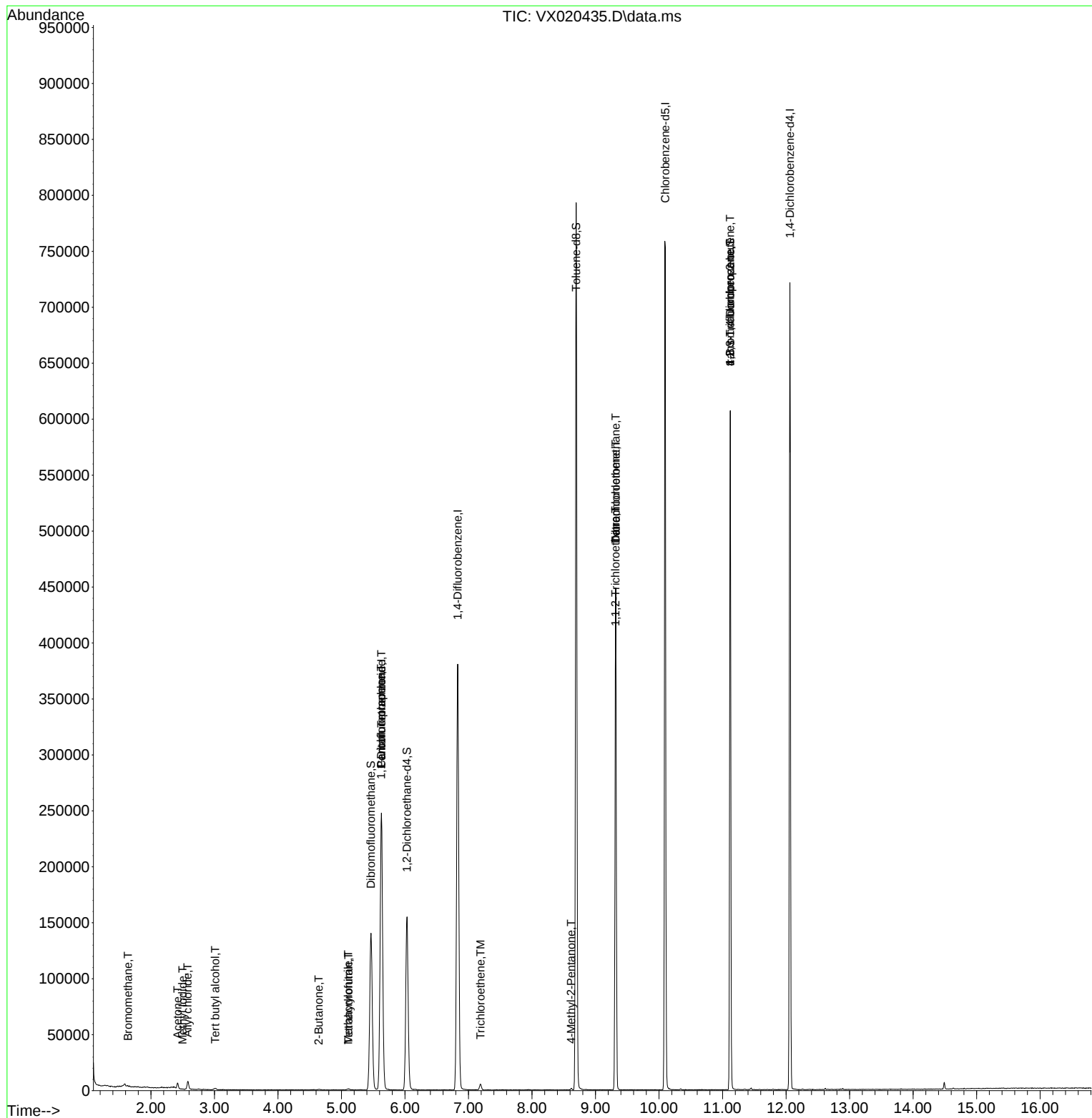
Target Compounds					Qvalue
5) Bromomethane	1.636	94	361	0.34	ug/l 90
10) Methyl Iodide	2.495	142	178	3.34	ug/l # 57
11) Tert butyl alcohol	3.013	59	1621	2.24	ug/l # 94
14) Allyl chloride	2.574	41	928	0.21	ug/l # 70
16) Acetone	2.416	43	5607	3.80	ug/l 96
25) 2-Butanone	4.641	43	835	0.39	ug/l 90
29) Tetrahydrofuran	5.110	42	851	0.63	ug/l # 68
36) 1,1-Dichloropropene	5.623	75	17393	4.50	ug/l # 48
38) Carbon Tetrachloride	5.629	117	23122	6.29	ug/l # 17
41) Methacrylonitrile	5.104	41	461	0.22	ug/l # 39
44) Trichloroethene	7.189	130	2108	0.68	ug/l 91
51) 4-Methyl-2-Pentanone	8.616	43	788	0.20	ug/l 97
55) 1,1,2-Trichloroethane	9.311	97	669	0.22	ug/l # 1
60) Dibromochloromethane	9.317	129	82829	27.57	ug/l # 11
64) Tetrachloroethene	9.317	164	87035	32.13	ug/l 97
76) 1,2,3-Trichloropropane	11.122	75	77374	20.76	ug/l # 39
81) trans-1,4-Dichloro-2-b...	11.122	75	77374	61.60	ug/l # 12

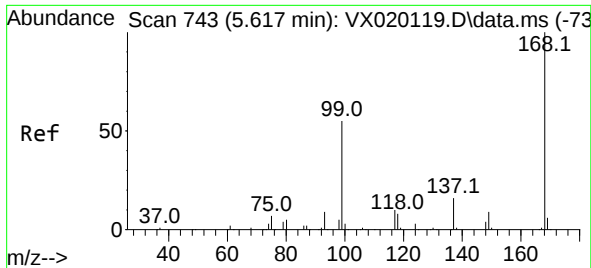
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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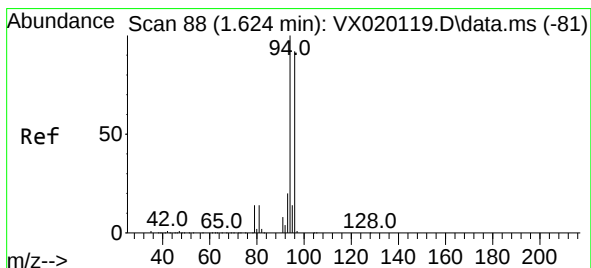
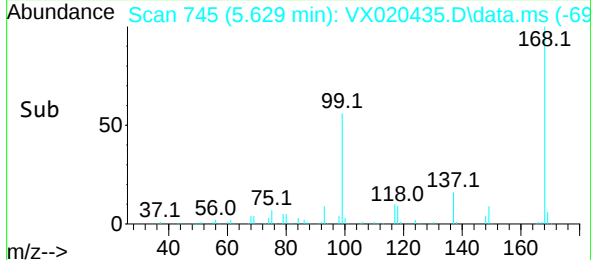
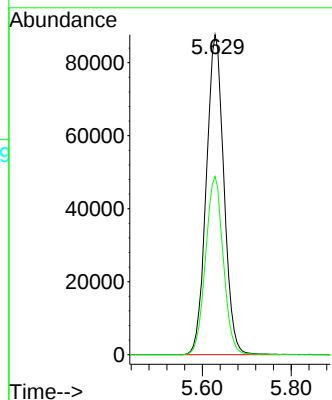
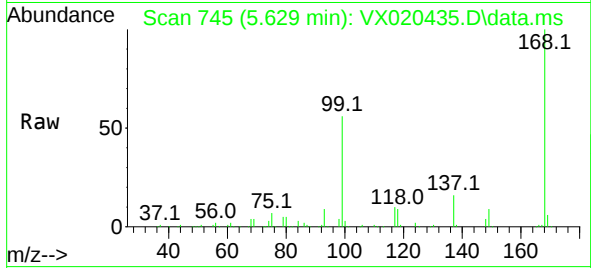




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020435.D
Acq: 29 Dec 2020 15:32

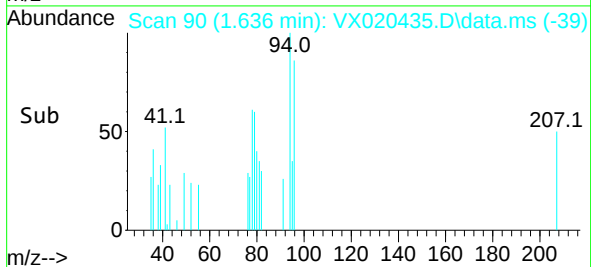
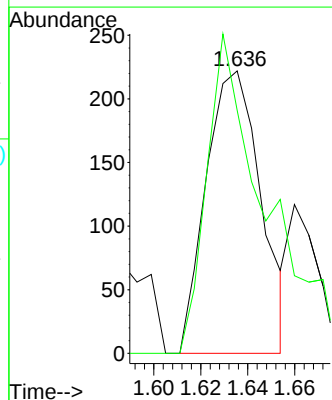
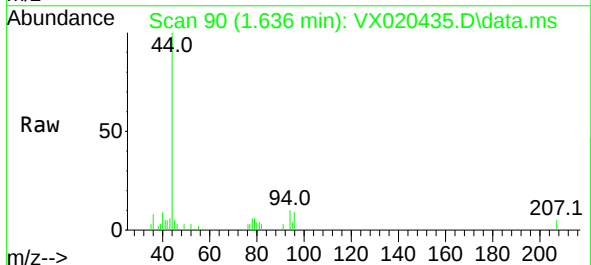
Instrument :
MSVOA_X
ClientSampleId :
1018-MW-05(17)

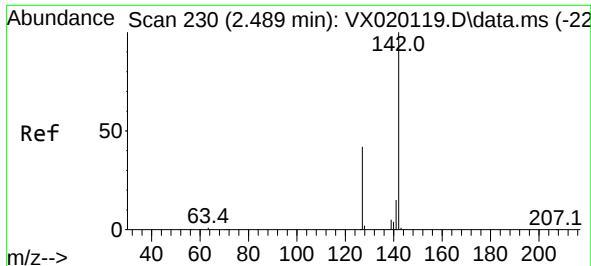
Tgt Ion:168 Resp: 241113
Ion Ratio Lower Upper
168 100
99 55.7 45.8 68.6



#5
Bromomethane
Concen: 0.34 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.011 min
Lab File: VX020435.D
Acq: 29 Dec 2020 15:32

Tgt Ion: 94 Resp: 361
Ion Ratio Lower Upper
94 100
96 86.0 76.4 114.6

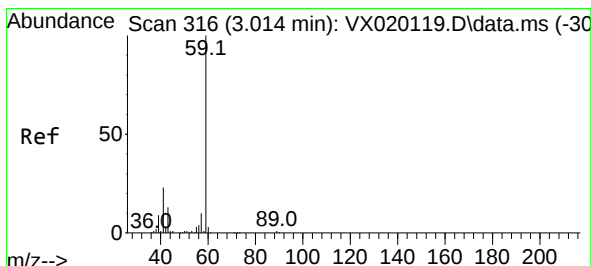
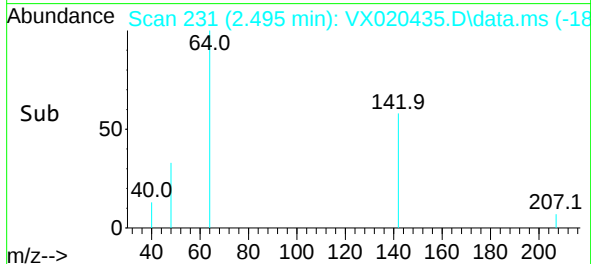
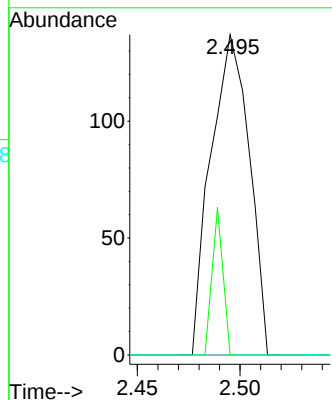
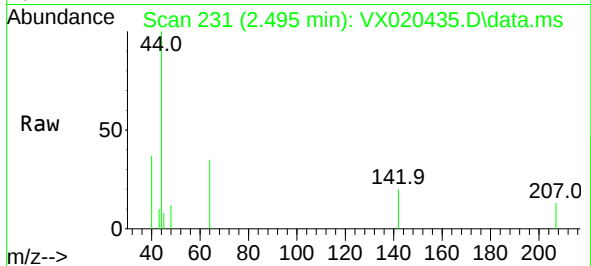




#10
Methyl Iodide
Concen: 3.34 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020435.D
Acq: 29 Dec 2020 15:32

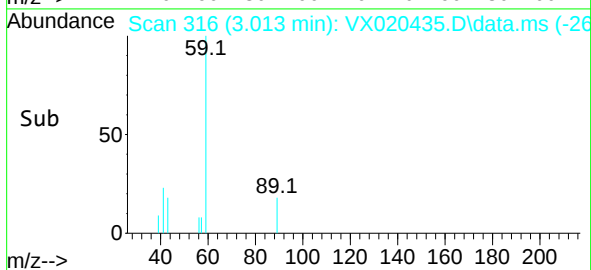
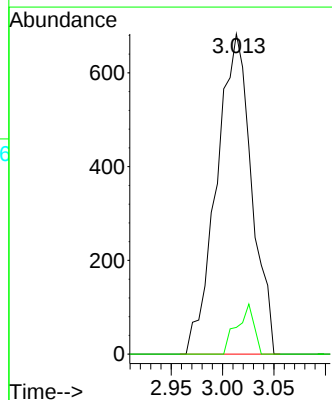
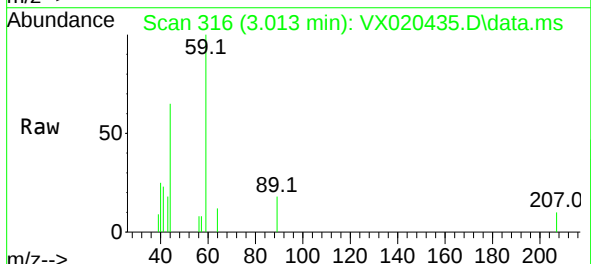
Instrument :
MSVOA_X
ClientSampleId :
1018-MW-05(17)

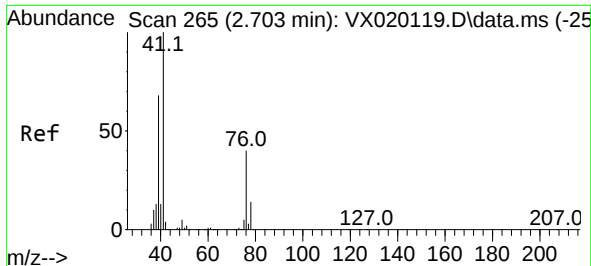
Tgt Ion:142 Resp: 178
Ion Ratio Lower Upper
142 100
127 12.9 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 2.24 ug/l
RT: 3.013 min Scan# 316
Delta R.T. -0.001 min
Lab File: VX020435.D
Acq: 29 Dec 2020 15:32

Tgt Ion: 59 Resp: 1621
Ion Ratio Lower Upper
59 100
57 7.6 7.8 11.8#





#14

Allyl chloride

Concen: 0.21 ug/l

RT: 2.574 min Scan# 244

Delta R.T. -0.129 min

Lab File: VX020435.D

Acq: 29 Dec 2020 15:32

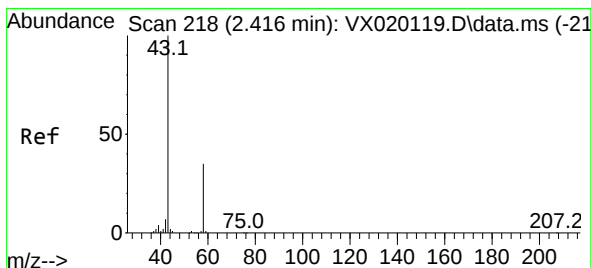
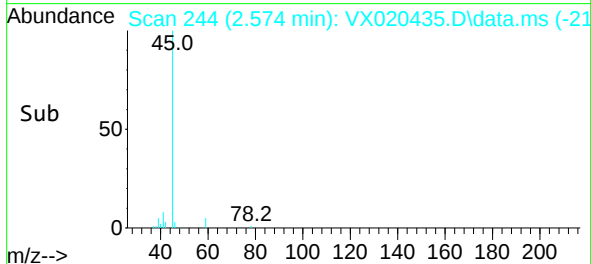
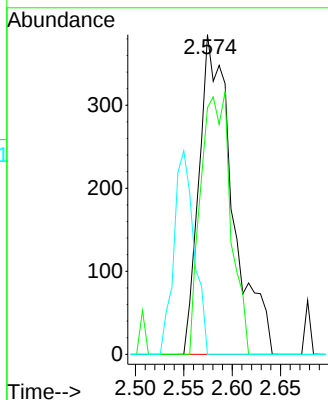
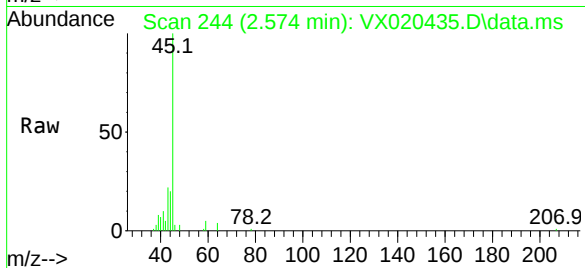
Instrument :

MSVOA_X

ClientSampleId :

1018-MW-05(17)

Tgt Ion: 41	Resp: 928
Ion Ratio	Lower Upper
41 100	
39 72.8	51.6 77.4
76 0.0	30.5 45.7#



#16

Acetone

Concen: 3.80 ug/l

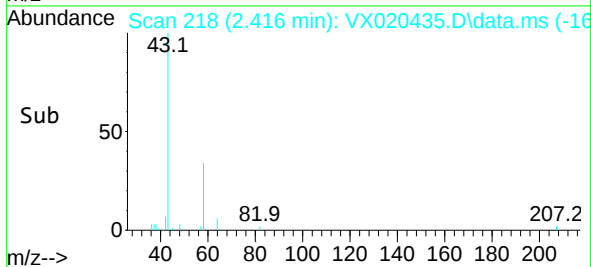
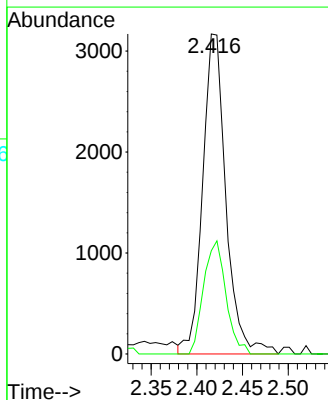
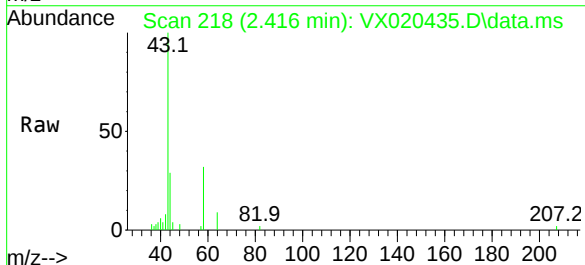
RT: 2.416 min Scan# 218

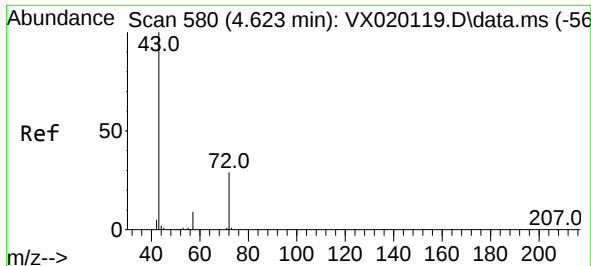
Delta R.T. -0.000 min

Lab File: VX020435.D

Acq: 29 Dec 2020 15:32

Tgt Ion: 43	Resp: 5607
Ion Ratio	Lower Upper
43 100	
58 32.2	27.8 41.8

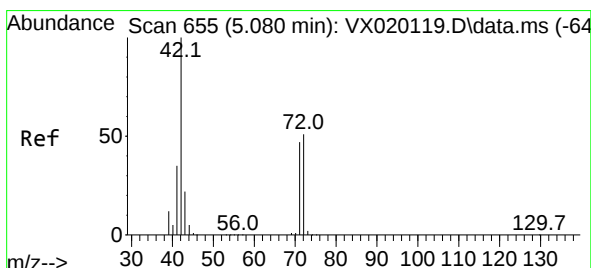
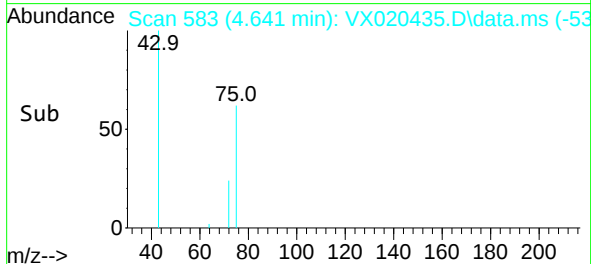
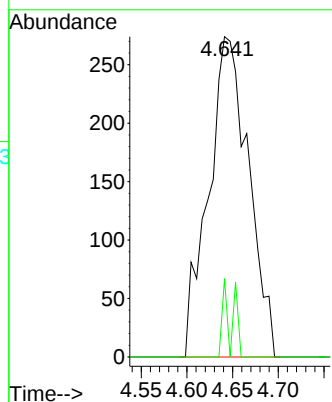
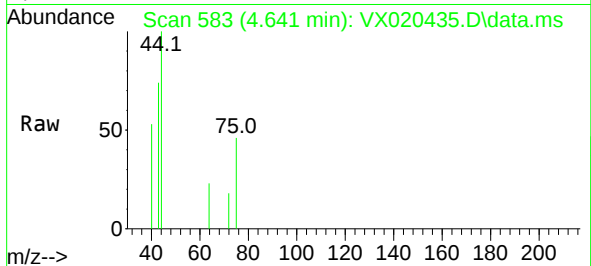




#25
2-Butanone
Concen: 0.39 ug/l
RT: 4.641 min Scan# 583
Delta R.T. 0.018 min
Lab File: VX020435.D
Acq: 29 Dec 2020 15:32

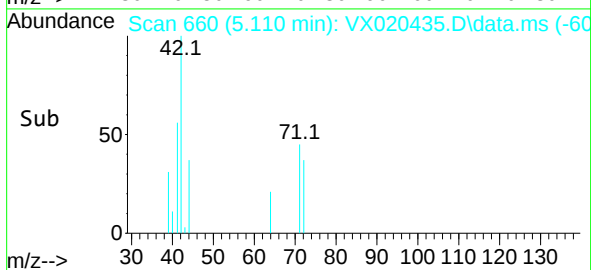
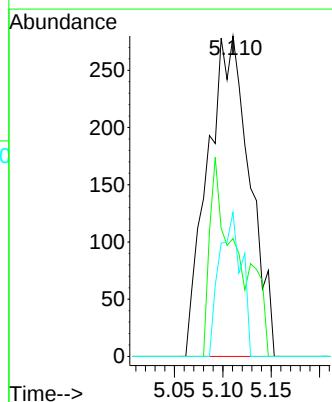
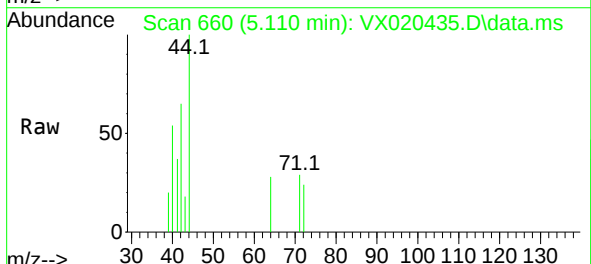
Instrument :
MSVOA_X
ClientSampleId :
1018-MW-05(17)

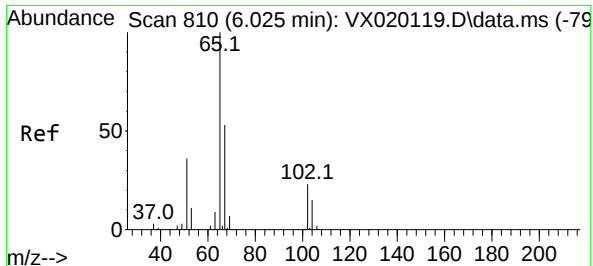
Tgt Ion: 43 Resp: 835
Ion Ratio Lower Upper
43 100
72 24.5 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.63 ug/l
RT: 5.110 min Scan# 660
Delta R.T. 0.030 min
Lab File: VX020435.D
Acq: 29 Dec 2020 15:32

Tgt Ion: 42 Resp: 851
Ion Ratio Lower Upper
42 100
72 32.0 41.7 62.5#
71 23.6 38.4 57.6#





#33

1,2-Dichloroethane-d4

Concen: 44.92 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020435.D

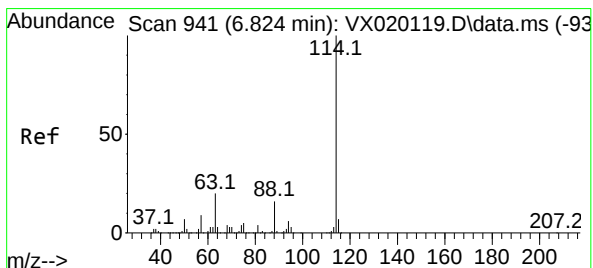
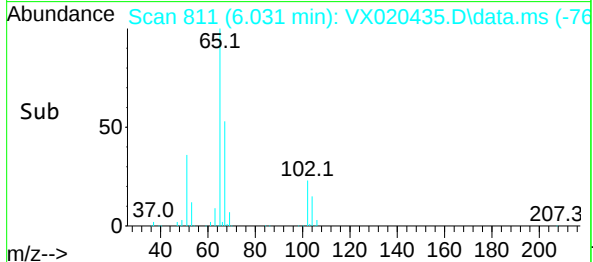
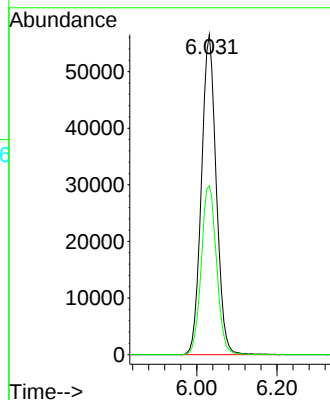
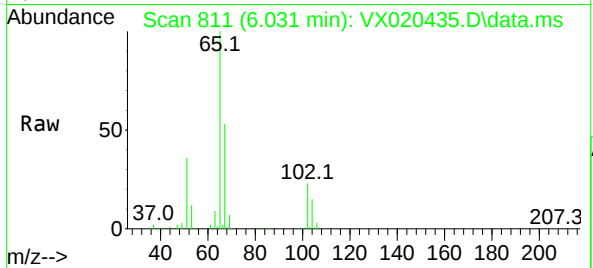
Acq: 29 Dec 2020 15:32

Tgt Ion: 65 Resp: 145189

Ion Ratio Lower Upper

65 100

67 54.4 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: VX020435.D

Acq: 29 Dec 2020 15:32

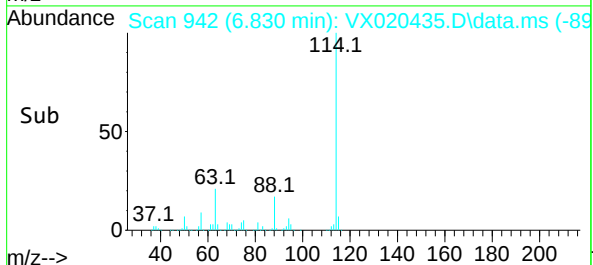
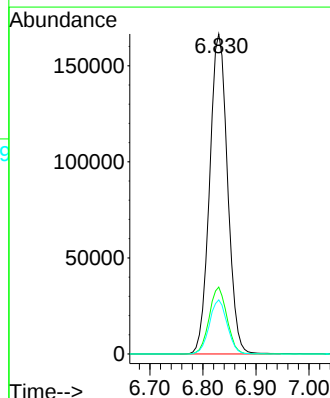
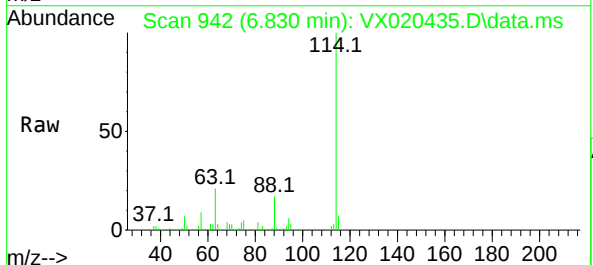
Tgt Ion: 114 Resp: 391085

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

88 16.9 0.0 32.8

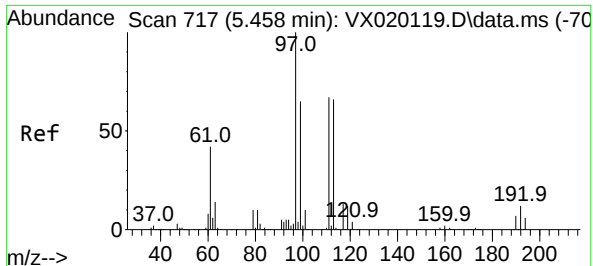


Instrument :

MSVOA_X

ClientSampleId :

1018-MW-05(17)



#35

Dibromofluoromethane

Concen: 49.85 ug/l

RT: 5.464 min Scan# 718

Delta R.T. 0.006 min

Lab File: VX020435.D

Acq: 29 Dec 2020 15:32

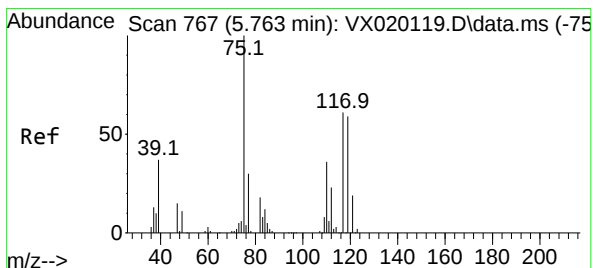
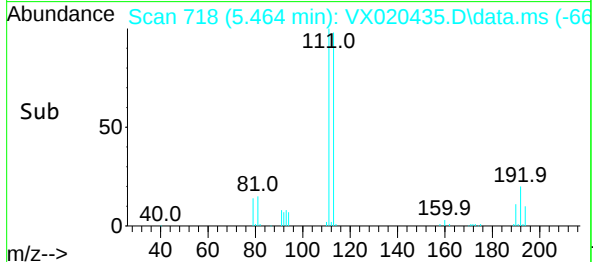
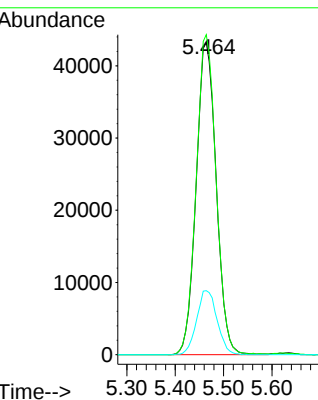
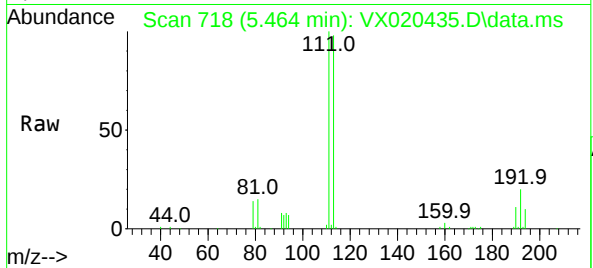
Tgt Ion:113 Resp: 124716

Ion Ratio Lower Upper

113 100

111 101.5 81.9 122.9

192 20.9 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.50 ug/l

RT: 5.623 min Scan# 744

Delta R.T. -0.140 min

Lab File: VX020435.D

Acq: 29 Dec 2020 15:32

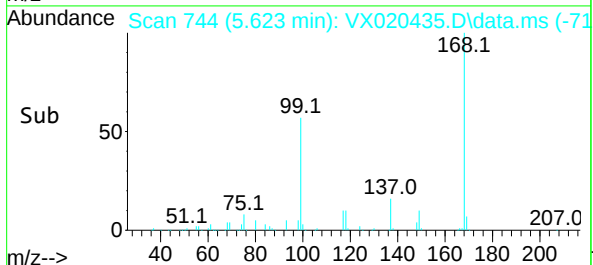
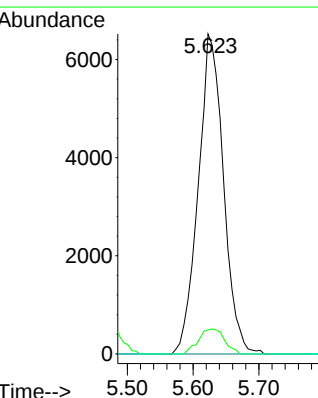
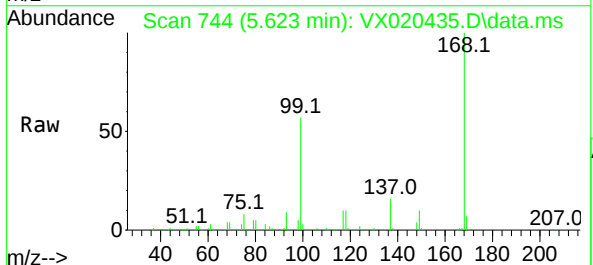
Tgt Ion: 75 Resp: 17393

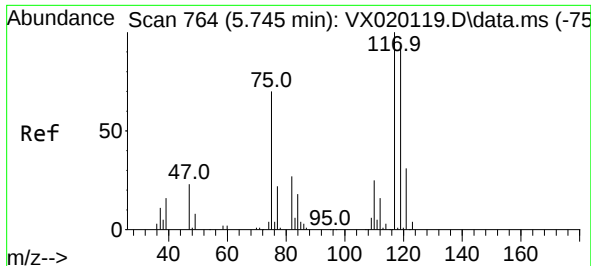
Ion Ratio Lower Upper

75 100

110 8.1 18.1 54.4#

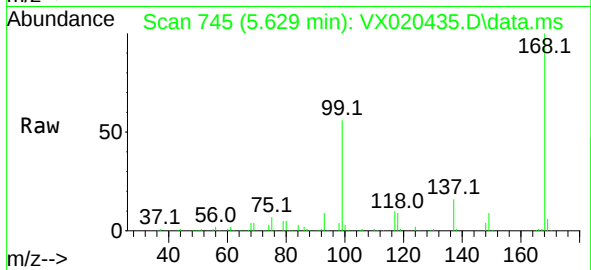
77 0.0 25.3 37.9#



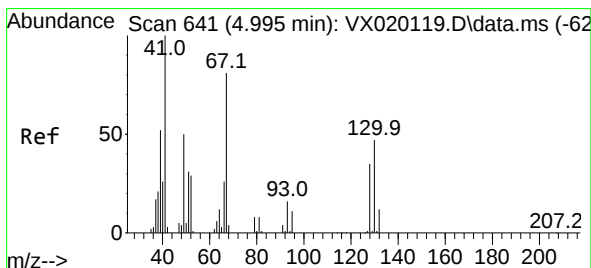
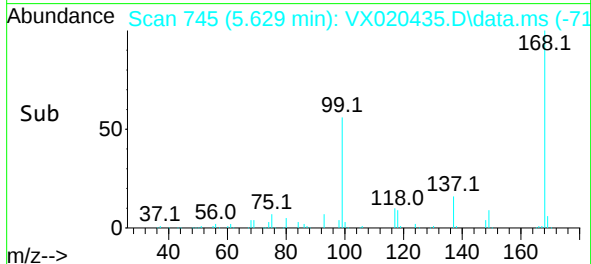
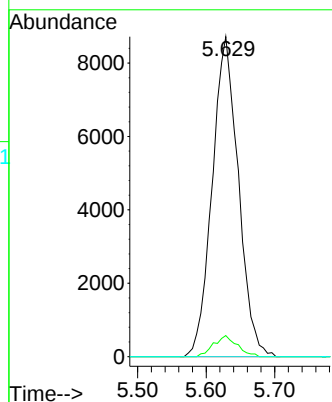


#38
Carbon Tetrachloride
Concen: 6.29 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020435.D
Acq: 29 Dec 2020 15:32

Instrument :
MSVOA_X
ClientSampleId :
1018-MW-05(17)

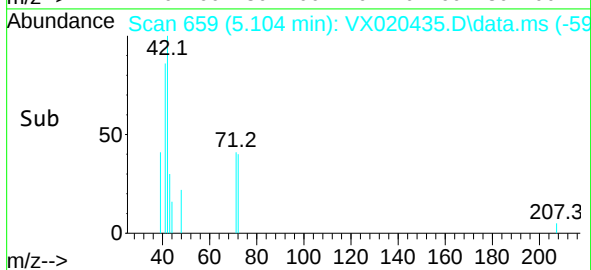
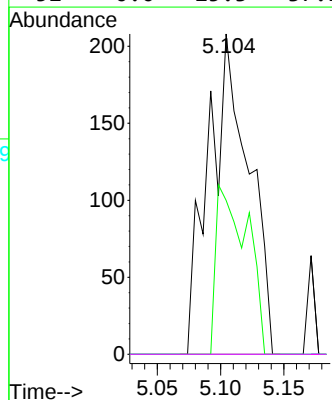
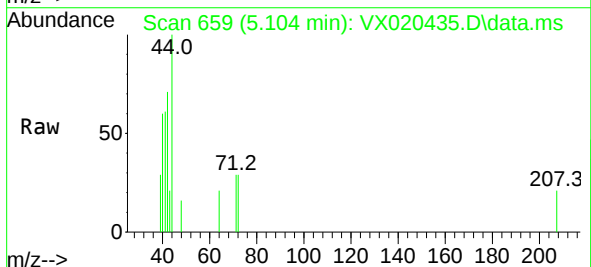


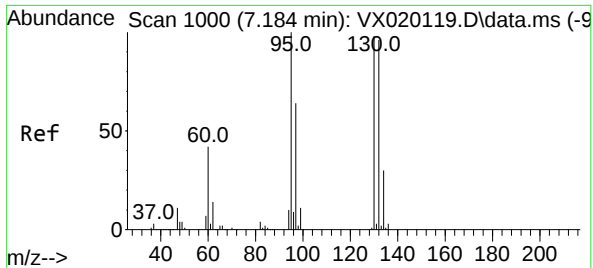
Tgt Ion:117 Resp: 23122
Ion Ratio Lower Upper
117 100
119 6.6 76.2 114.2#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.22 ug/l
RT: 5.104 min Scan# 659
Delta R.T. 0.109 min
Lab File: VX020435.D
Acq: 29 Dec 2020 15:32

Tgt Ion: 41 Resp: 461
Ion Ratio Lower Upper
41 100
39 40.8 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

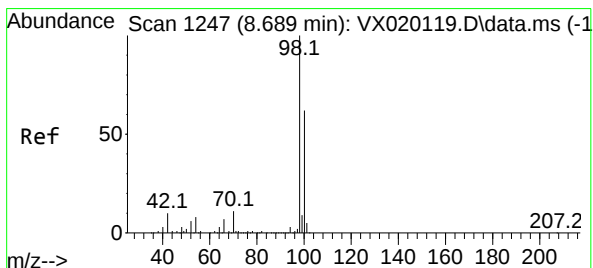
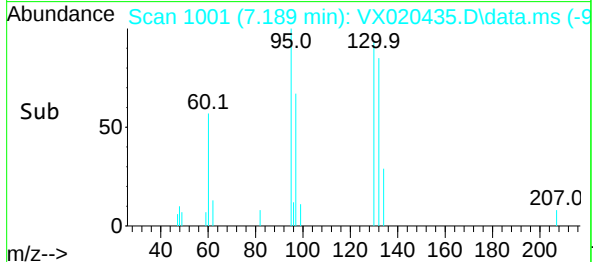
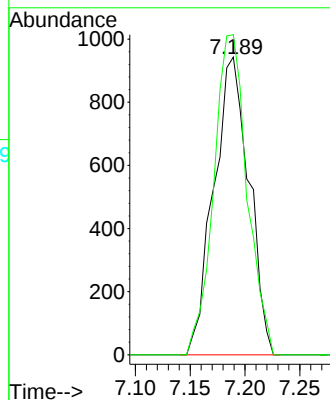
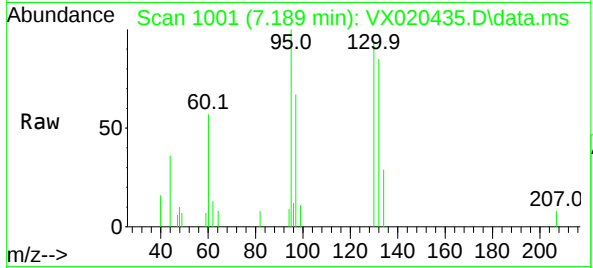




#44
Trichloroethene
Concen: 0.68 ug/l
RT: 7.189 min Scan# 1001
Delta R.T. 0.005 min
Lab File: VX020435.D
Acq: 29 Dec 2020 15:32

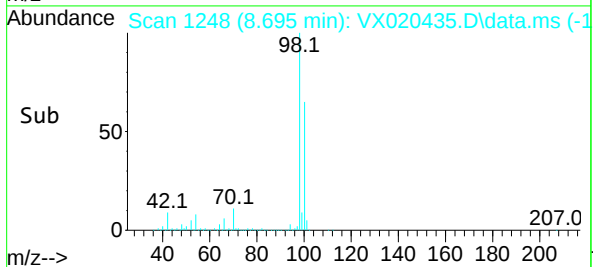
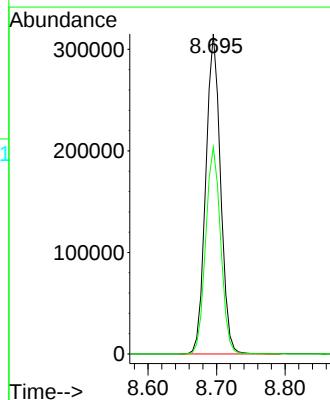
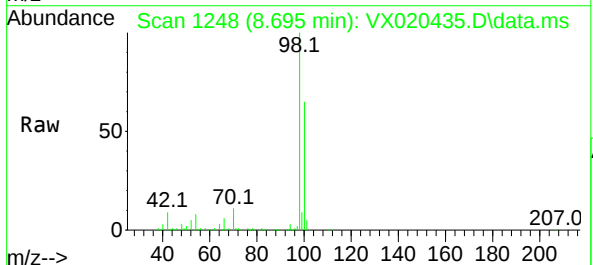
Instrument :
MSVOA_X
ClientSampleId :
1018-MW-05(17)

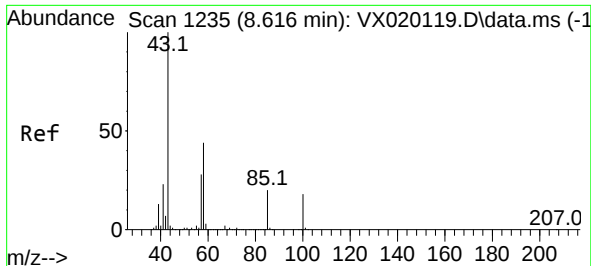
Tgt Ion:130 Resp: 2108
Ion Ratio Lower Upper
130 100
95 107.5 0.0 198.0



#50
Toluene-d8
Concen: 49.14 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020435.D
Acq: 29 Dec 2020 15:32

Tgt Ion: 98 Resp: 473260
Ion Ratio Lower Upper
98 100
100 65.5 51.9 77.9

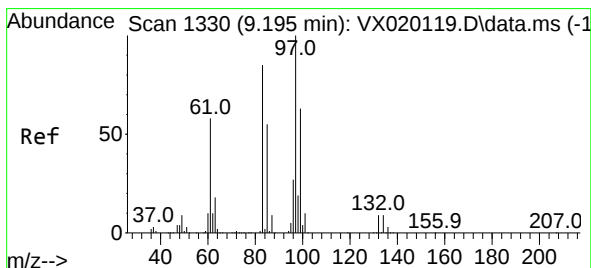
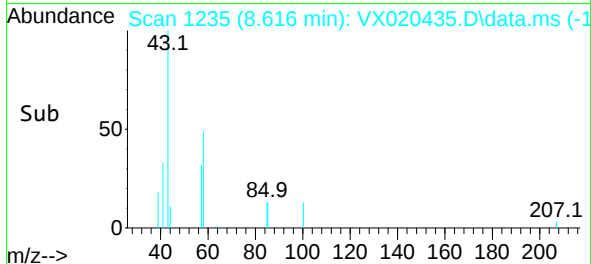
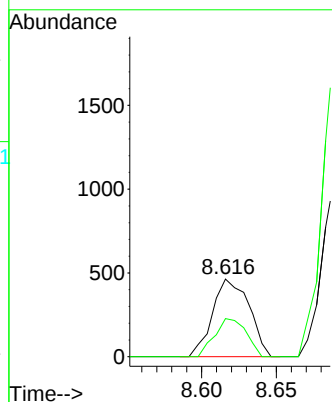
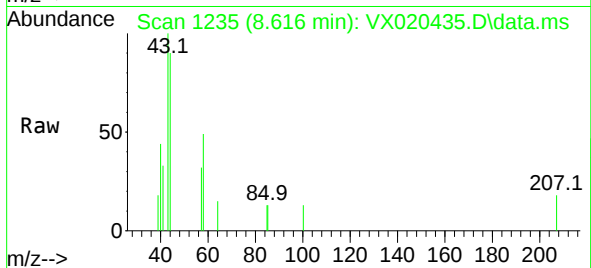




#51
4-Methyl-2-Pentanone
Concen: 0.20 ug/l
RT: 8.616 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VX020435.D
Acq: 29 Dec 2020 15:32

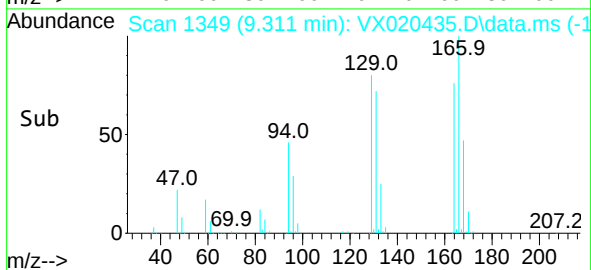
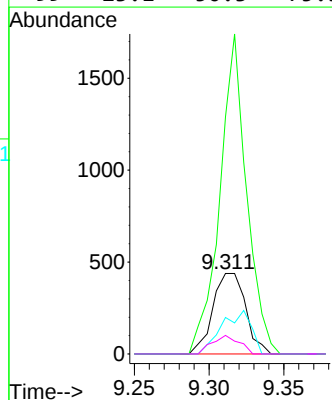
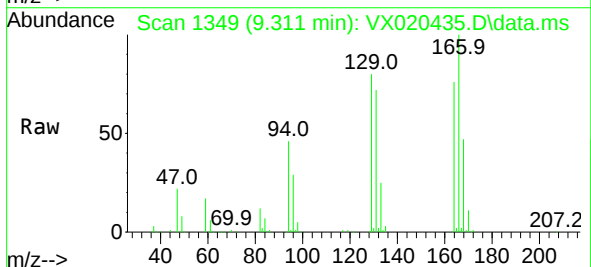
Instrument :
MSVOA_X
ClientSampleId :
1018-MW-05(17)

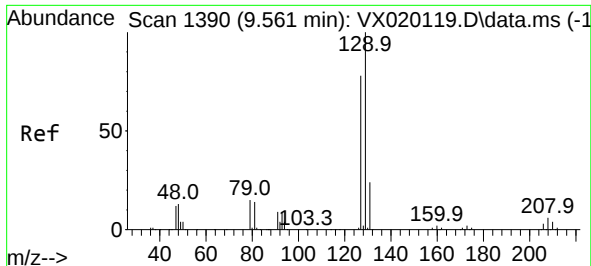
Tgt Ion: 43 Resp: 788
Ion Ratio Lower Upper
43 100
58 42.3 35.4 53.0



#55
1,1,2-Trichloroethane
Concen: 0.22 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.116 min
Lab File: VX020435.D
Acq: 29 Dec 2020 15:32

Tgt Ion: 97 Resp: 669
Ion Ratio Lower Upper
97 100
83 294.3 69.3 103.9#
85 45.4 44.3 66.5
99 23.1 50.3 75.5#

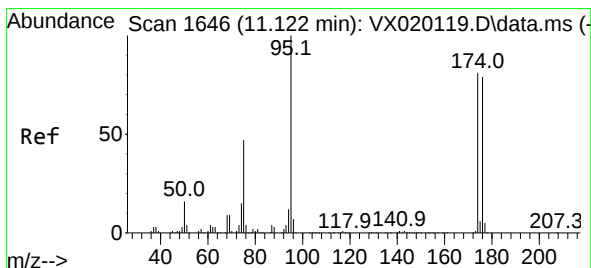
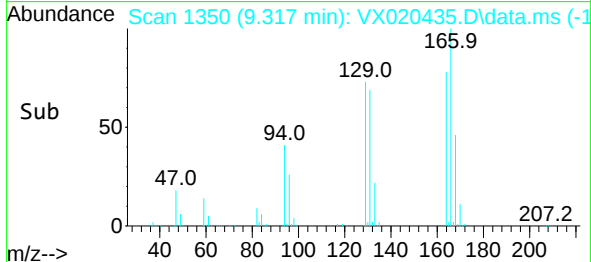
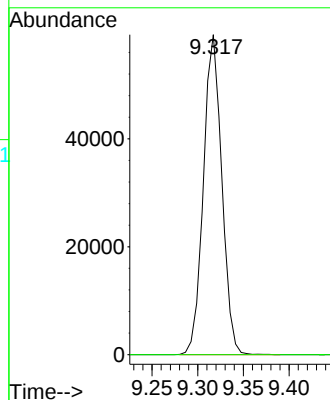
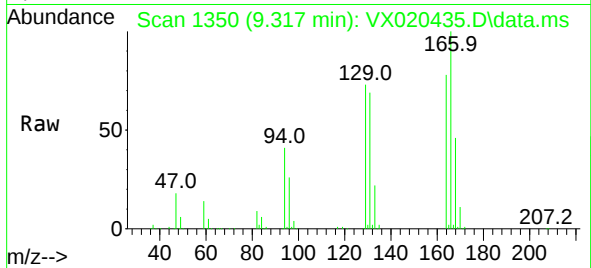




#60
Dibromochloromethane
Concen: 27.57 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020435.D
Acq: 29 Dec 2020 15:32

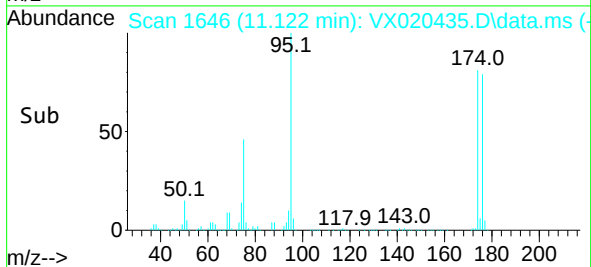
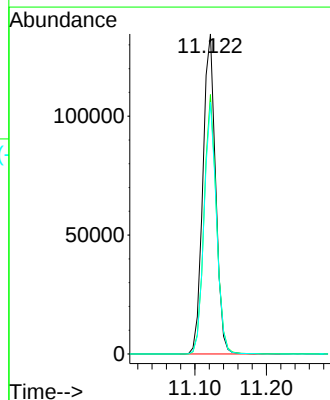
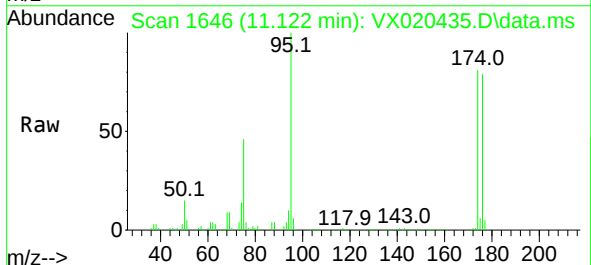
Instrument :
MSVOA_X
ClientSampleId :
1018-MW-05(17)

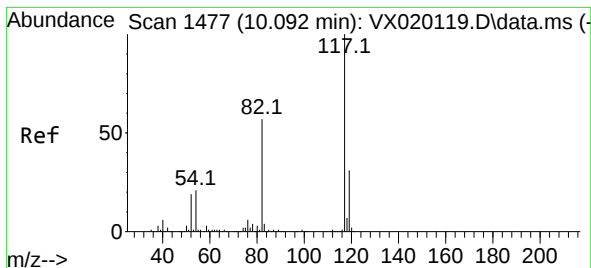
Tgt Ion:129 Resp: 82829
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 45.13 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020435.D
Acq: 29 Dec 2020 15:32

Tgt Ion: 95 Resp: 166325
Ion Ratio Lower Upper
95 100
174 78.5 0.0 154.6
176 76.6 0.0 155.8

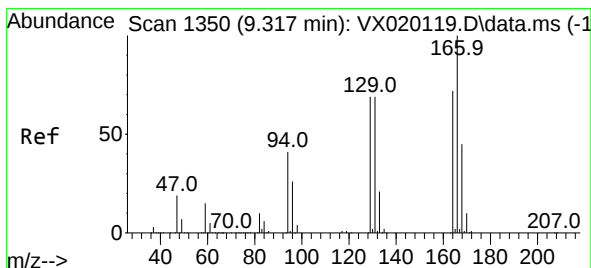
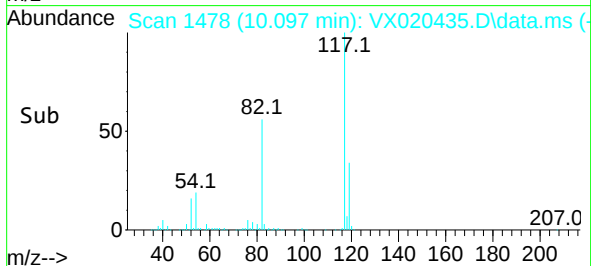
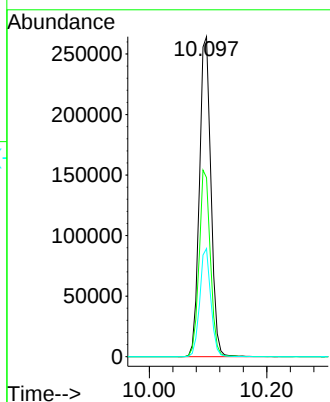
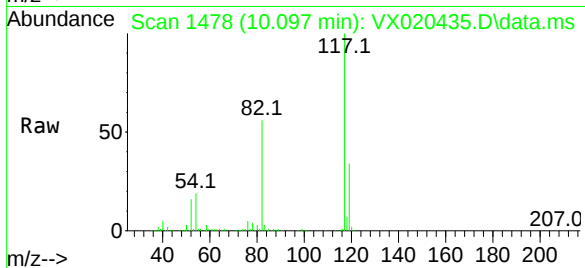




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.097 min Scan# 1478
Delta R.T. 0.005 min
Lab File: VX020435.D
Acq: 29 Dec 2020 15:32

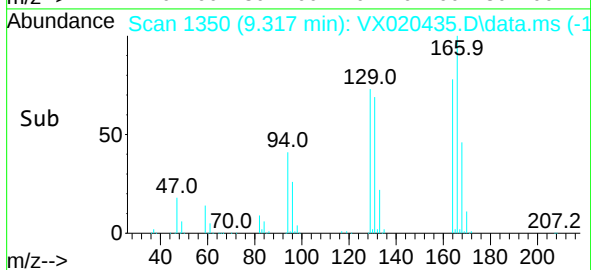
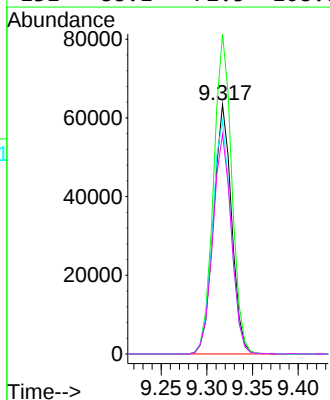
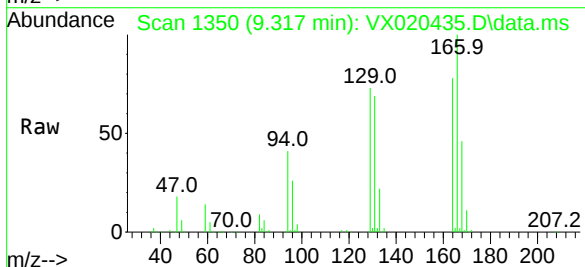
Instrument :
MSVOA_X
ClientSampleId :
1018-MW-05(17)

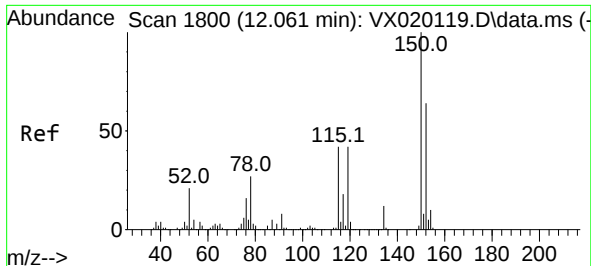
Tgt Ion:117 Resp: 359497
Ion Ratio Lower Upper
117 100
82 55.9 47.4 71.2
119 33.8 26.6 39.8



#64
Tetrachloroethene
Concen: 32.13 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020435.D
Acq: 29 Dec 2020 15:32

Tgt Ion:164 Resp: 87035
Ion Ratio Lower Upper
164 100
166 128.3 103.4 155.2
129 93.6 70.8 106.2
131 88.1 72.5 108.7

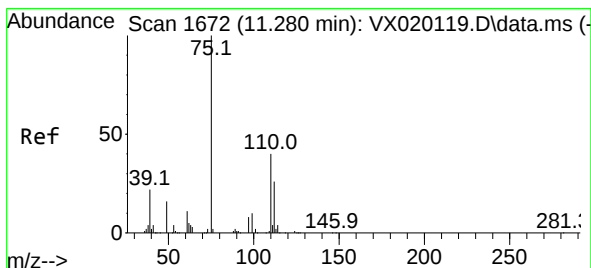
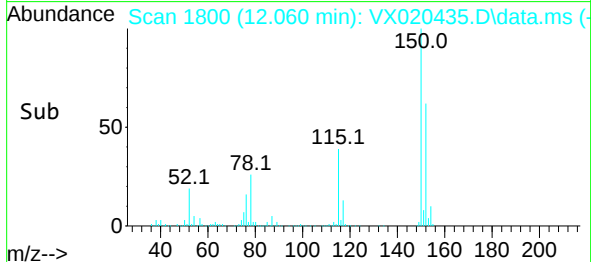
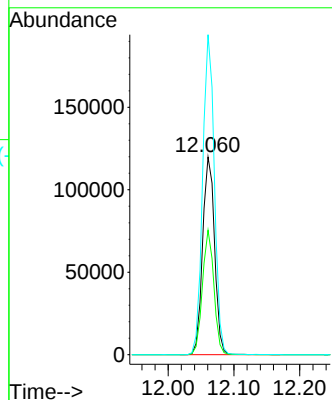
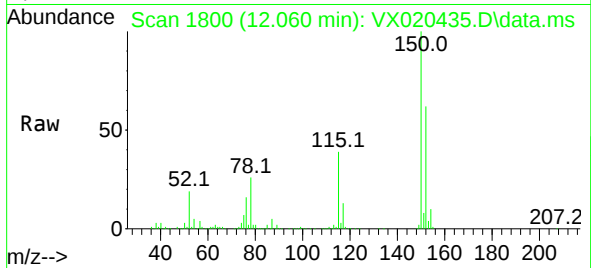




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.060 min Scan# 1800
Delta R.T. -0.001 min
Lab File: VX020435.D
Acq: 29 Dec 2020 15:32

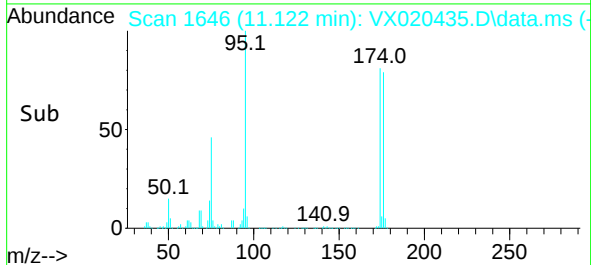
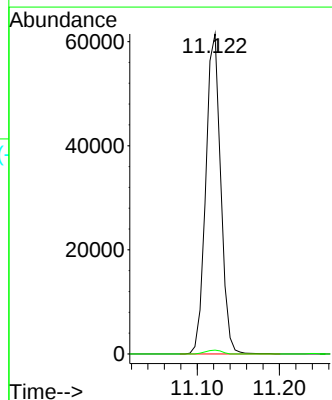
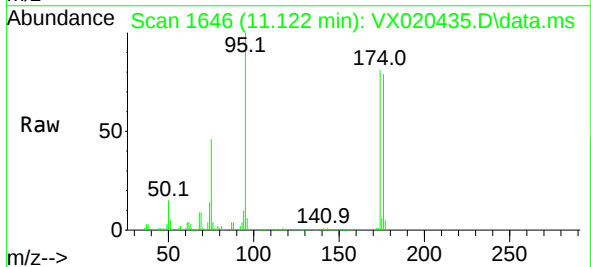
Instrument :
MSVOA_X
ClientSampleId :
1018-MW-05(17)

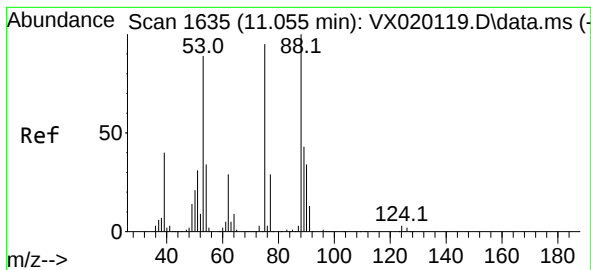
Tgt Ion:152 Resp: 151292
Ion Ratio Lower Upper
152 100
115 60.3 41.1 123.3
150 158.5 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 20.76 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020435.D
Acq: 29 Dec 2020 15:32

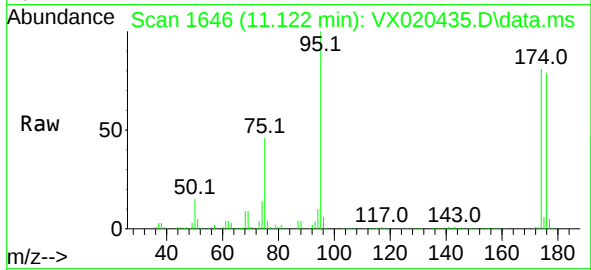
Tgt Ion: 75 Resp: 77374
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.60 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. 0.067 min
 Lab File: VX020435.D
 Acq: 29 Dec 2020 15:32

Instrument :
 MSVOA_X
 ClientSampleId :
 1018-MW-05(17)



Tgt Ion: 75 Resp: 77374
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.5 111.7#
 89 0.0 37.9 56.9#

