

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122920\
 Data File : VX020439.D
 Acq On : 29 Dec 2020 17:06
 Operator : JC/MD
 Sample : L5236-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1023-MW-18(21.5)

Quant Time: Dec 30 02:38:43 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)

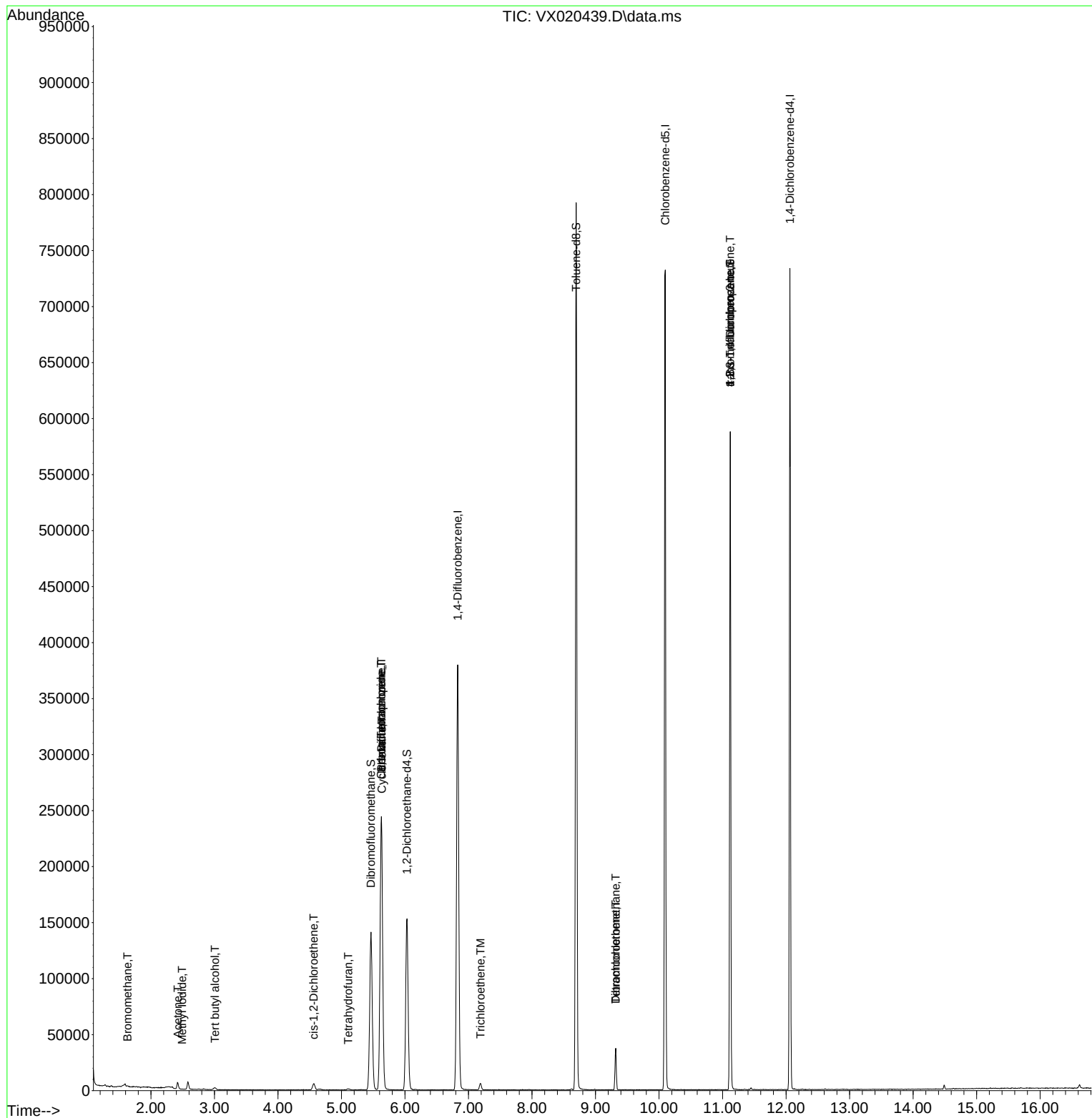
Internal Standards						
1) Pentafluorobenzene	5.629	168	239358	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	390358	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	357313	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	147630	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	144505	45.04	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	90.08%
35) Dibromofluoromethane	5.464	113	123126	49.31	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.62%
50) Toluene-d8	8.695	98	471152	49.02	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.04%
62) 4-Bromofluorobenzene	11.122	95	163059	44.32	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.64%
Target Compounds						
					Qvalue	
5) Bromomethane	1.630	94	445	0.42	ug/l	82
10) Methyl Iodide	2.489	142	101	3.32	ug/l #	42
11) Tert butyl alcohol	3.007	59	1921	2.67	ug/l #	92
16) Acetone	2.422	43	5995	4.10	ug/l	99
27) cis-1,2-Dichloroethene	4.562	96	3936	1.18	ug/l	89
29) Tetrahydrofuran	5.105	42	798	0.60	ug/l #	69
31) Cyclohexane	5.635	56	4193	0.95	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	17334	4.49	ug/l #	48
38) Carbon Tetrachloride	5.623	117	22693	6.18	ug/l #	17
44) Trichloroethene	7.190	130	2421	0.78	ug/l	97
60) Dibromochloromethane	9.317	129	6667	2.22	ug/l #	11
64) Tetrachloroethene	9.317	164	7298	2.71	ug/l	93
76) 1,2,3-Trichloropropane	11.122	75	75375	20.73	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	75375	61.49	ug/l #	12

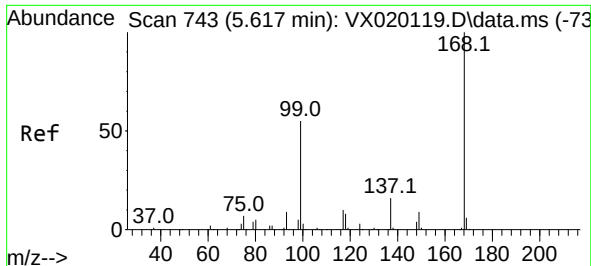
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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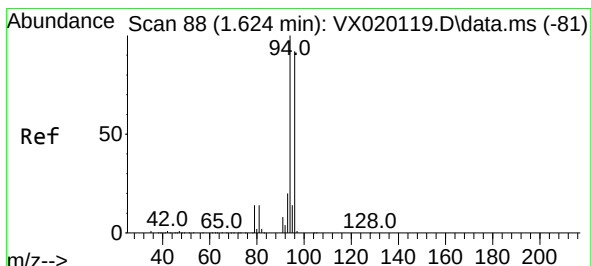
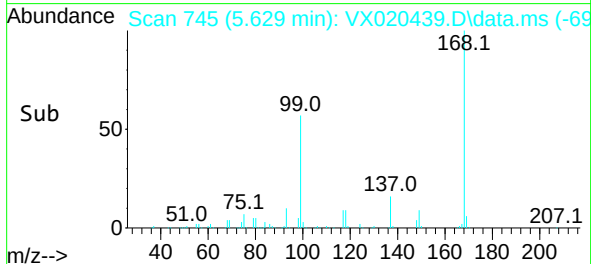
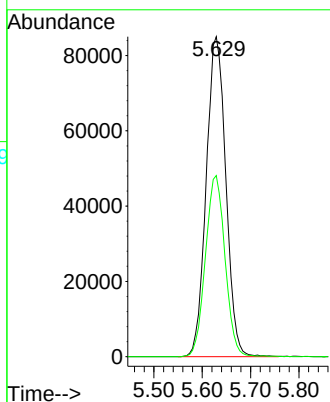
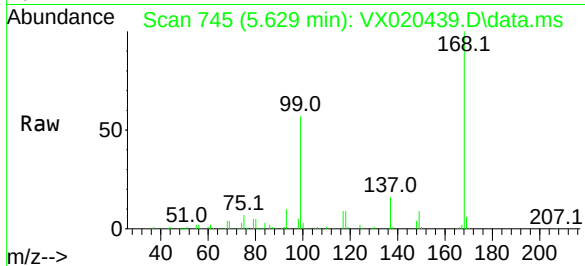




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020439.D
Acq: 29 Dec 2020 17:06

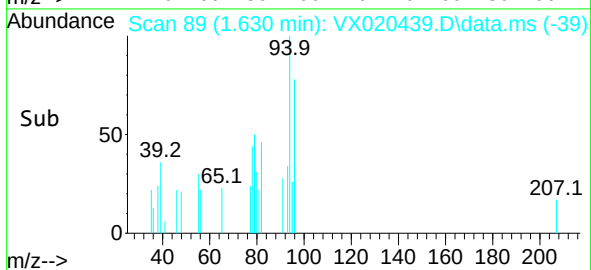
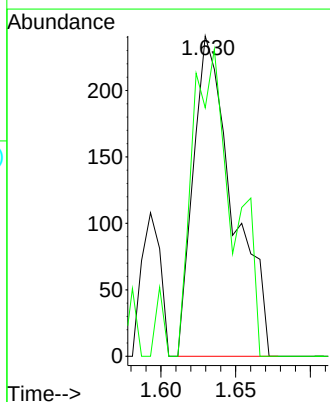
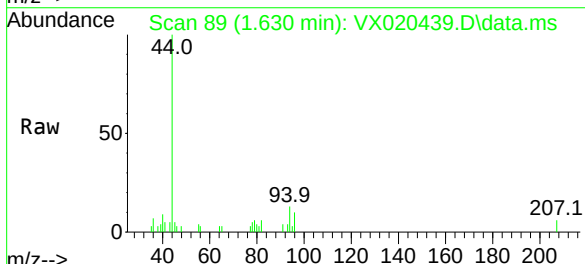
Instrument :
MSVOA_X
ClientSampleId :
1023-MW-18(21.5)

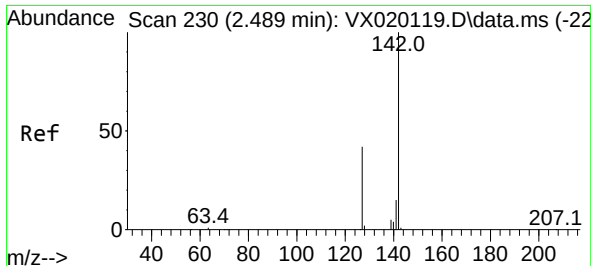
Tgt Ion:168 Resp: 239358
Ion Ratio Lower Upper
168 100
99 56.6 45.8 68.6



#5
Bromomethane
Concen: 0.42 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020439.D
Acq: 29 Dec 2020 17:06

Tgt Ion: 94 Resp: 445
Ion Ratio Lower Upper
94 100
96 77.6 76.4 114.6

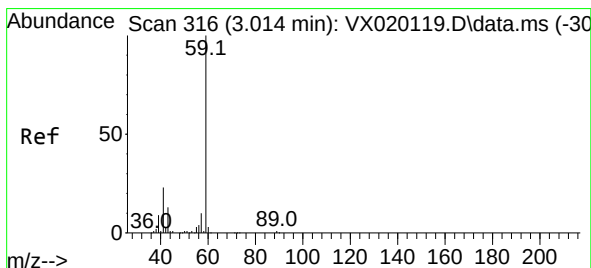
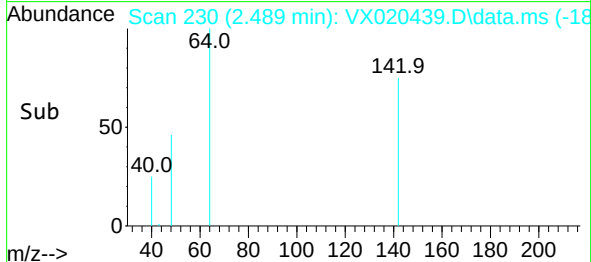
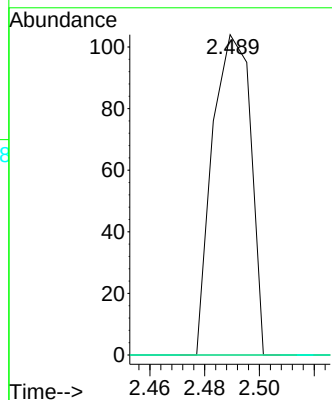
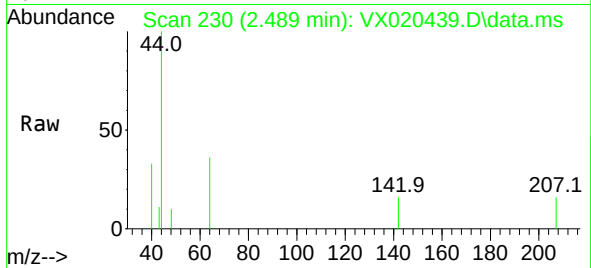




#10
Methyl Iodide
Concen: 3.32 ug/l
RT: 2.489 min Scan# 230
Delta R.T. 0.000 min
Lab File: VX020439.D
Acq: 29 Dec 2020 17:06

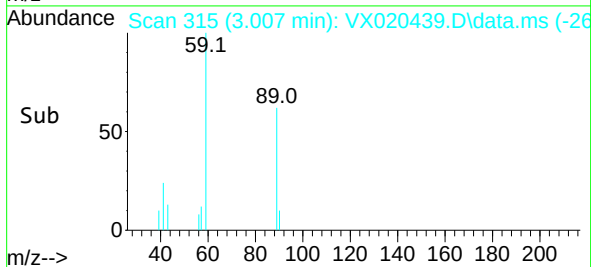
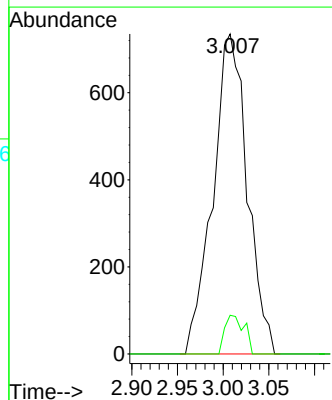
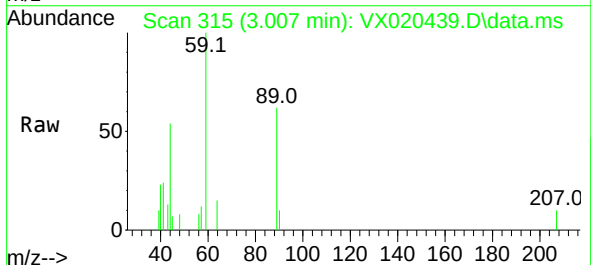
Instrument :
MSVOA_X
ClientSampleId :
1023-MW-18(21.5)

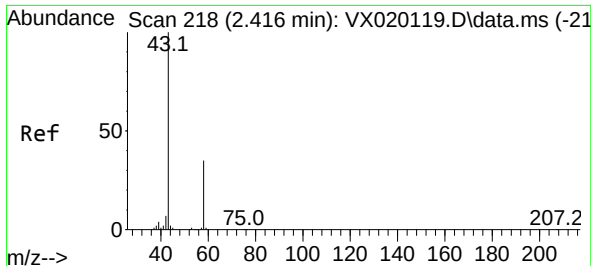
Tgt Ion:142 Resp: 101
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 2.67 ug/l
RT: 3.007 min Scan# 315
Delta R.T. -0.007 min
Lab File: VX020439.D
Acq: 29 Dec 2020 17:06

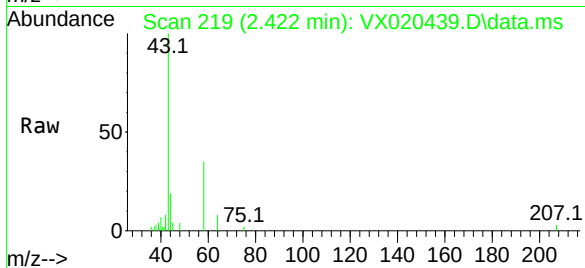
Tgt Ion: 59 Resp: 1921
Ion Ratio Lower Upper
59 100
57 6.9 7.8 11.8#



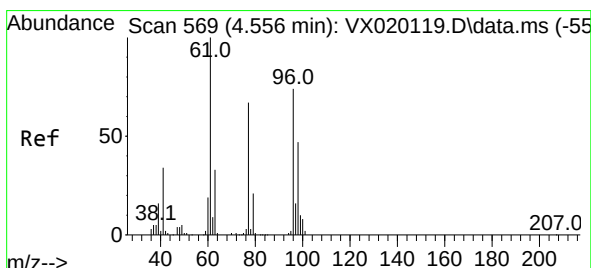
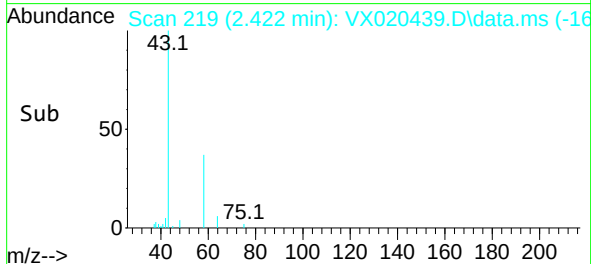
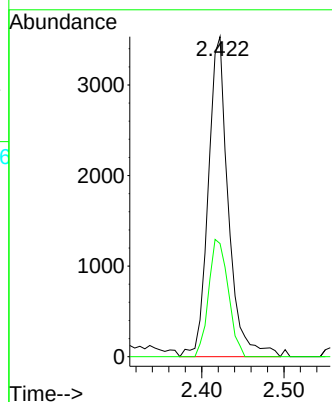


#16
Acetone
Concen: 4.10 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.006 min
Lab File: VX020439.D
Acq: 29 Dec 2020 17:06

Instrument :
MSVOA_X
ClientSampleId :
1023-MW-18(21.5)

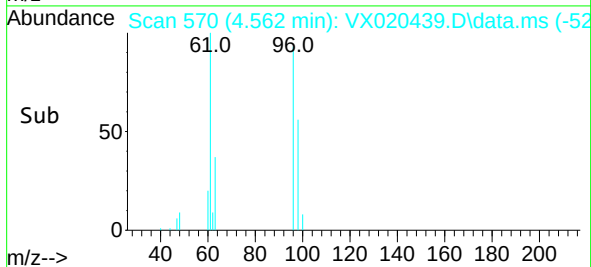
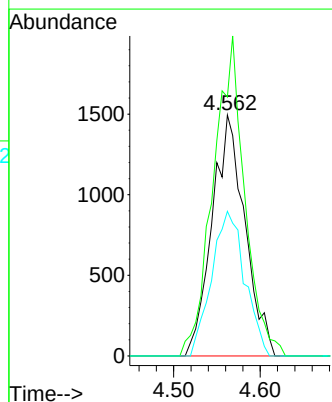
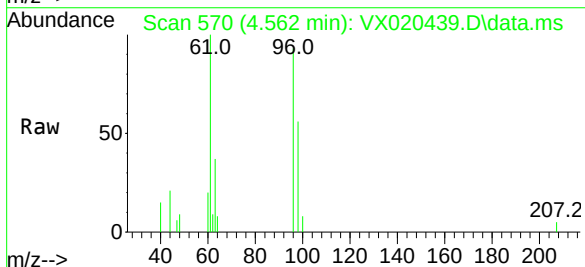


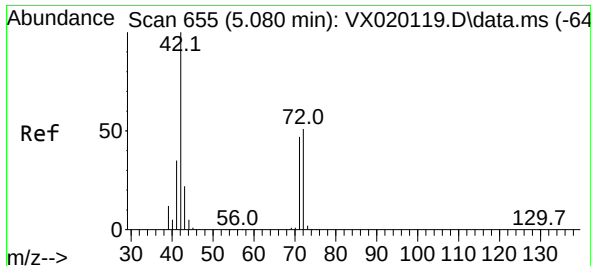
Tgt Ion: 43 Resp: 5995
Ion Ratio Lower Upper
43 100
58 35.4 27.8 41.8



#27
cis-1,2-Dichloroethene
Concen: 1.18 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX020439.D
Acq: 29 Dec 2020 17:06

Tgt Ion: 96 Resp: 3936
Ion Ratio Lower Upper
96 100
61 126.9 0.0 285.6
98 60.7 0.0 129.6





#29

Tetrahydrofuran

Concen: 0.60 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.025 min

Lab File: VX020439.D

Acq: 29 Dec 2020 17:06

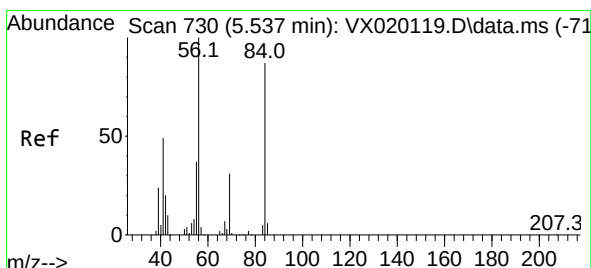
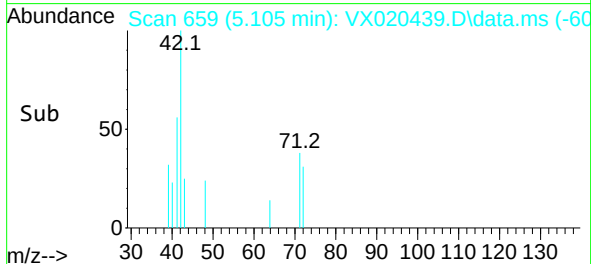
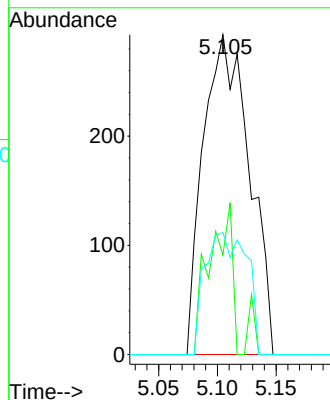
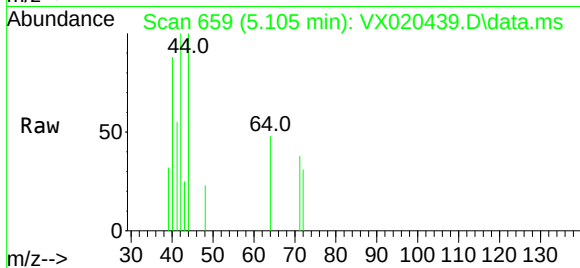
Instrument :

MSVOA_X

ClientSampleId :

1023-MW-18(21.5)

Tgt Ion:	42	Resp:	798
Ion	Ratio	Lower	Upper
42	100		
72	23.2	41.7	62.5#
71	34.6	38.4	57.6#



#31

Cyclohexane

Concen: 0.95 ug/l

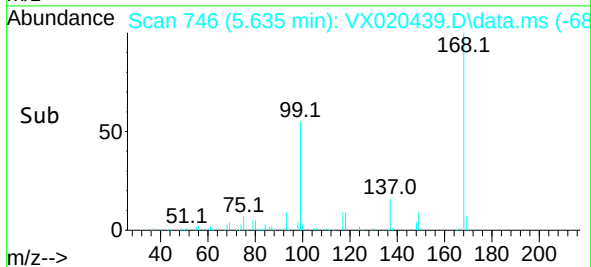
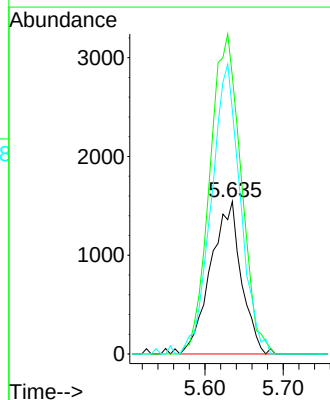
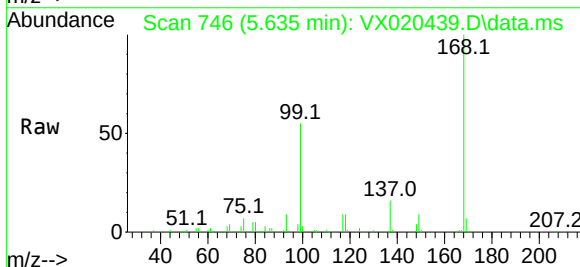
RT: 5.635 min Scan# 746

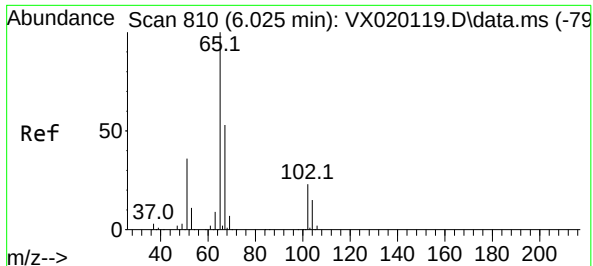
Delta R.T. 0.098 min

Lab File: VX020439.D

Acq: 29 Dec 2020 17:06

Tgt Ion:	56	Resp:	4193
Ion	Ratio	Lower	Upper
56	100		
69	181.9	25.3	37.9#
84	159.8	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 45.04 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020439.D

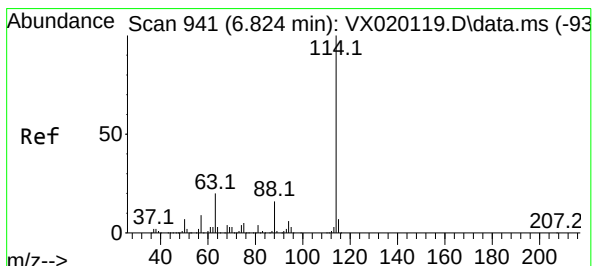
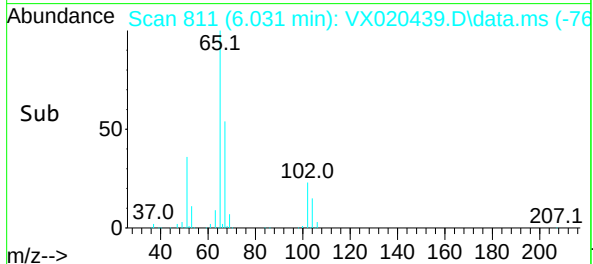
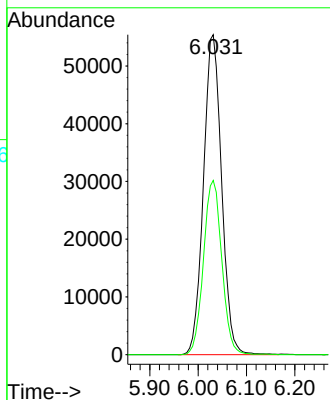
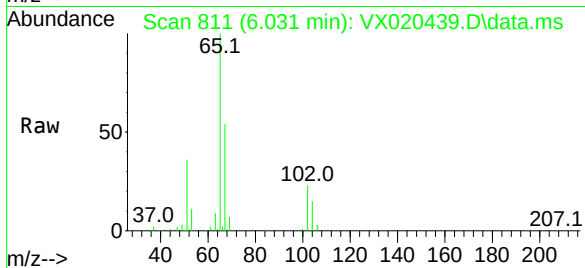
Acq: 29 Dec 2020 17:06

Tgt Ion: 65 Resp: 144505

Ion Ratio Lower Upper

65 100

67 54.9 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: VX020439.D

Acq: 29 Dec 2020 17:06

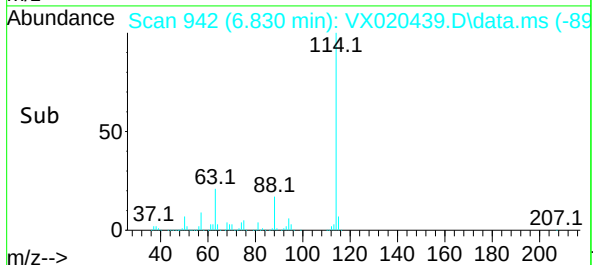
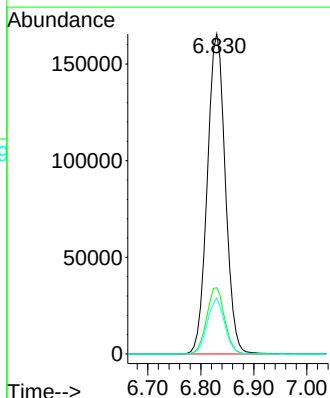
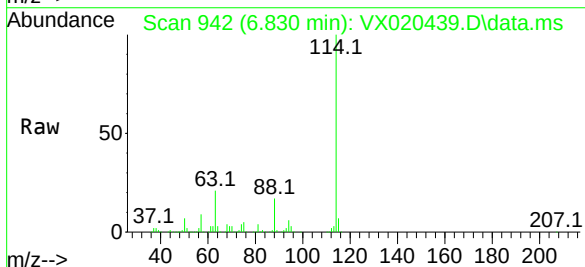
Tgt Ion: 114 Resp: 390358

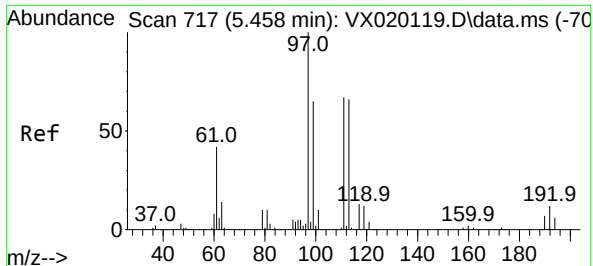
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

88 17.5 0.0 32.8

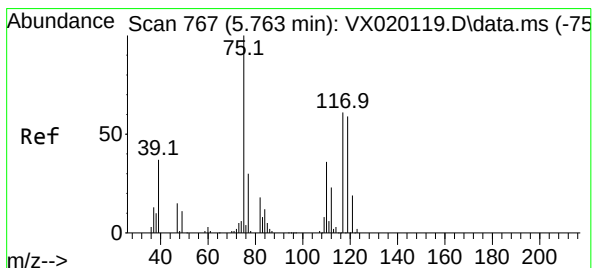
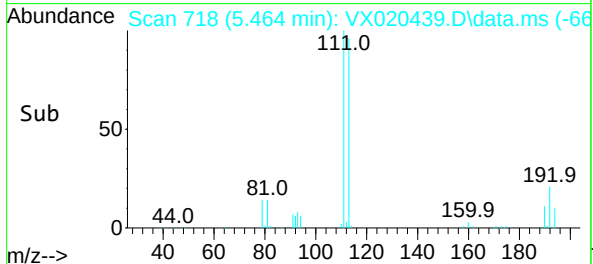
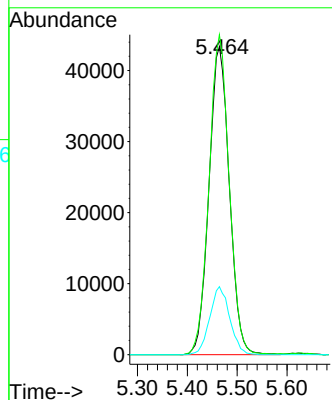
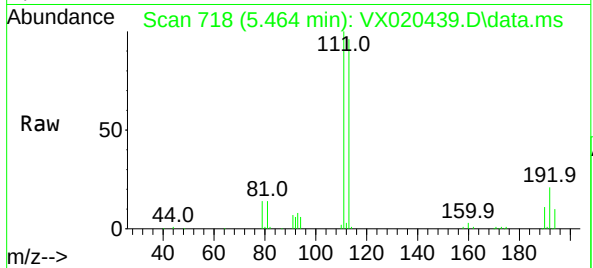




#35
Dibromofluoromethane
Concen: 49.31 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020439.D
Acq: 29 Dec 2020 17:06

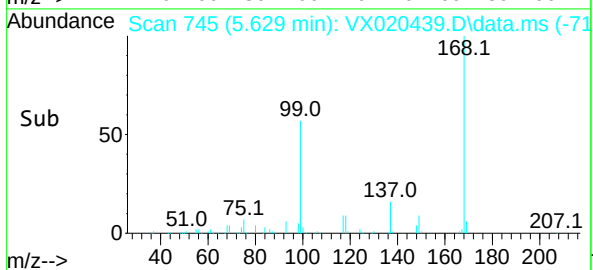
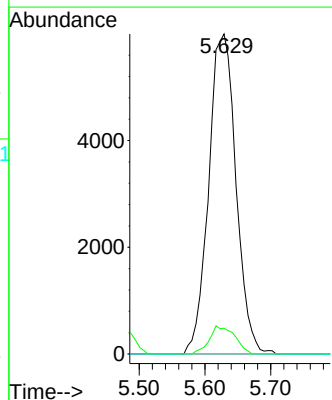
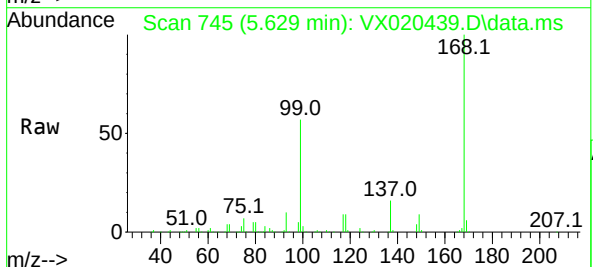
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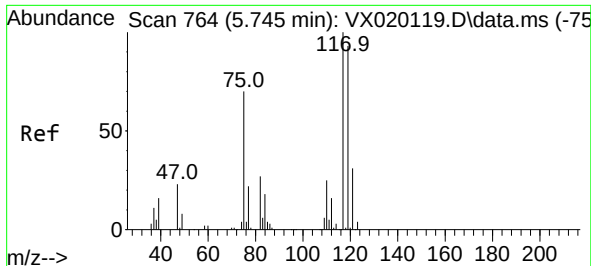
Tgt Ion:113 Resp: 123126
Ion Ratio Lower Upper
113 100
111 102.8 81.9 122.9
192 21.7 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.49 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020439.D
Acq: 29 Dec 2020 17:06

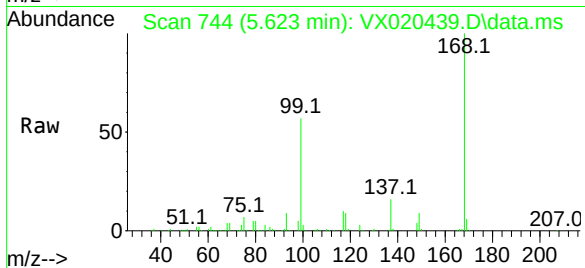
Tgt Ion: 75 Resp: 17334
Ion Ratio Lower Upper
75 100
110 8.1 18.1 54.4#
77 0.0 25.3 37.9#



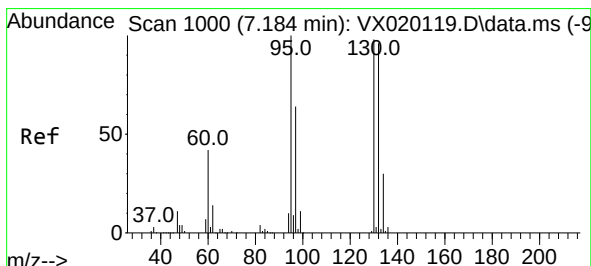
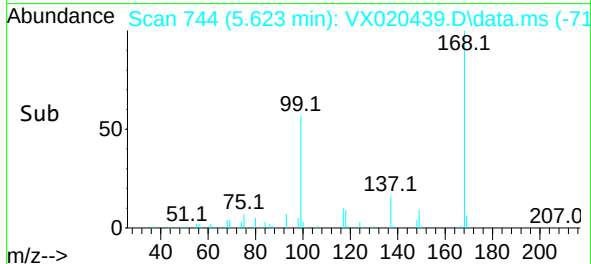
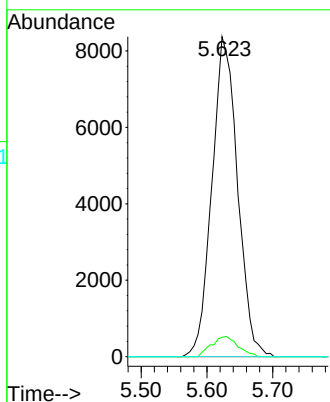


#38
Carbon Tetrachloride
Concen: 6.18 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.122 min
Lab File: VX020439.D
Acq: 29 Dec 2020 17:06

Instrument :
MSVOA_X
ClientSampleId :
1023-MW-18(21.5)

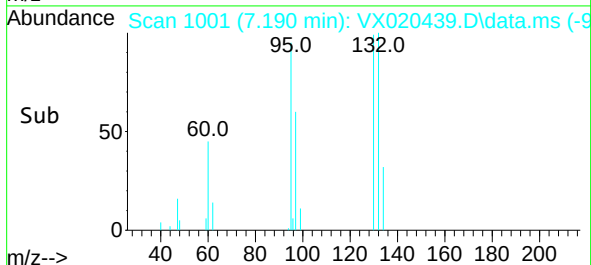
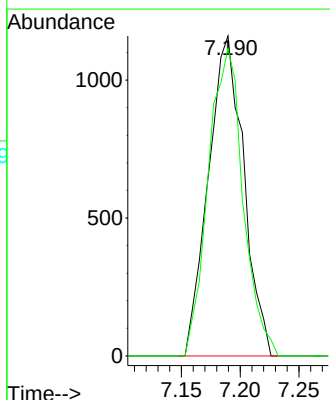
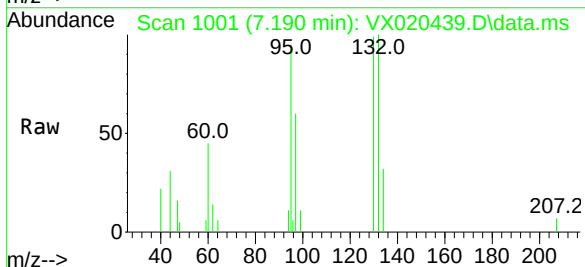


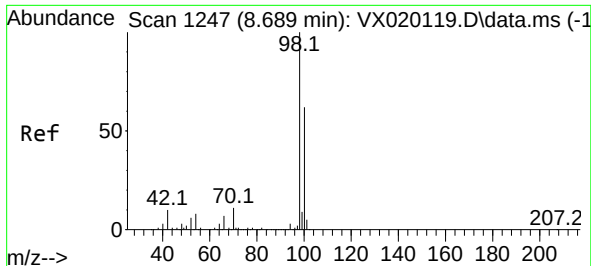
Tgt Ion:117 Resp: 22693
Ion Ratio Lower Upper
117 100
119 6.1 76.2 114.2#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 0.78 ug/l
RT: 7.190 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VX020439.D
Acq: 29 Dec 2020 17:06

Tgt Ion:130 Resp: 2421
Ion Ratio Lower Upper
130 100
95 96.0 0.0 198.0

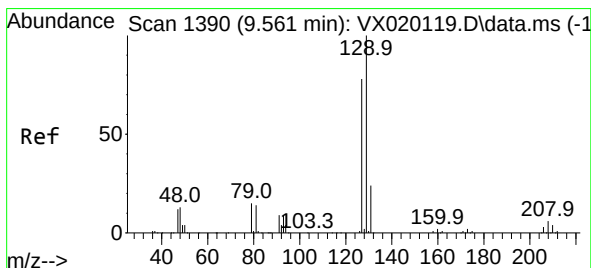
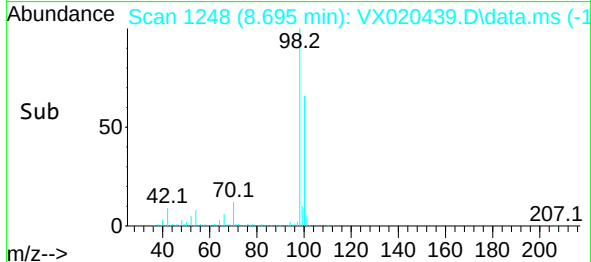
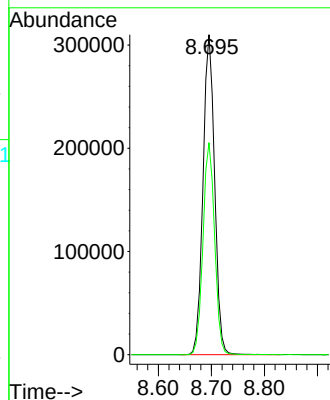
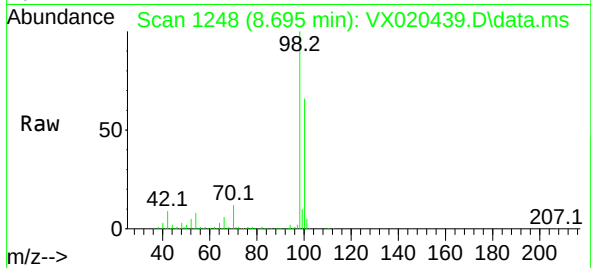




#50
Toluene-d8
Concen: 49.02 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020439.D
Acq: 29 Dec 2020 17:06

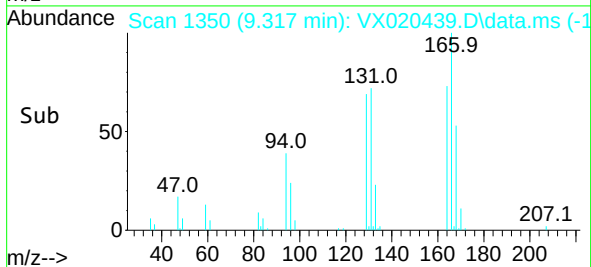
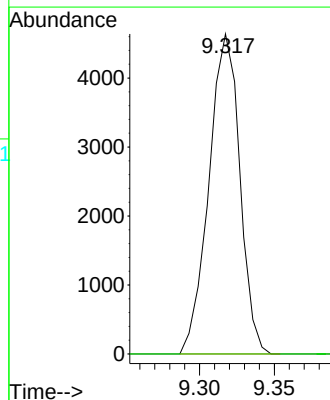
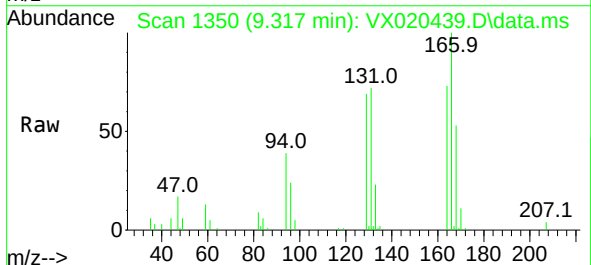
Instrument :
MSVOA_X
ClientSampleId :
1023-MW-18(21.5)

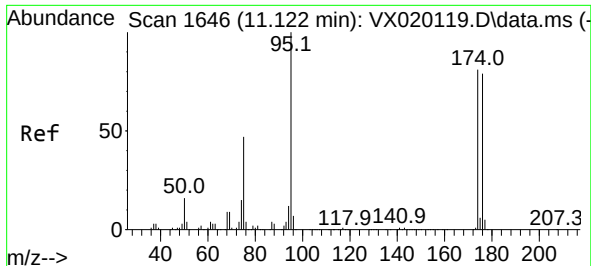
Tgt Ion: 98 Resp: 471152
Ion Ratio Lower Upper
98 100
100 66.4 51.9 77.9



#60
Dibromochloromethane
Concen: 2.22 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020439.D
Acq: 29 Dec 2020 17:06

Tgt Ion: 129 Resp: 6667
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

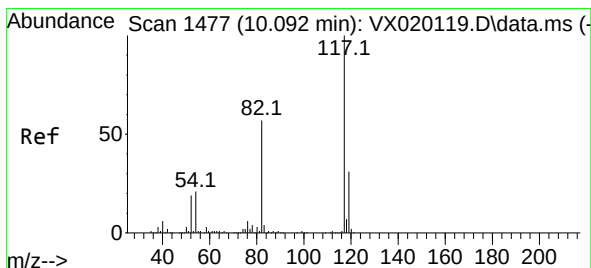
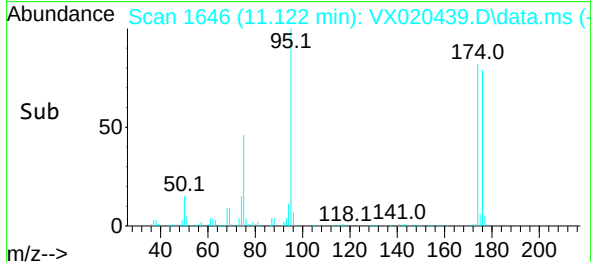
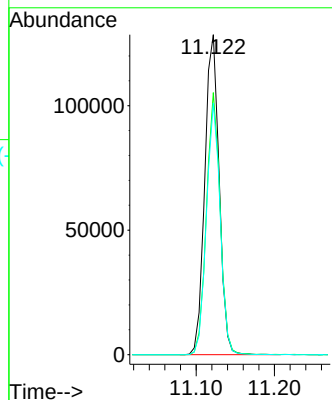
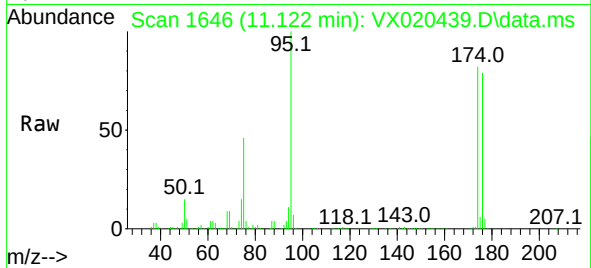




#62
4-Bromofluorobenzene
Concen: 44.32 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020439.D
Acq: 29 Dec 2020 17:06

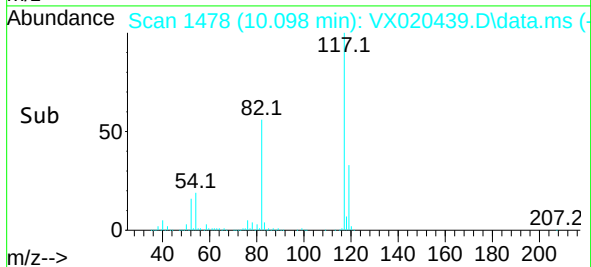
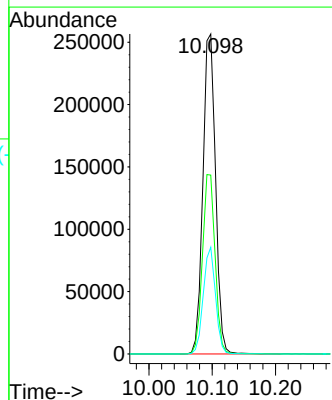
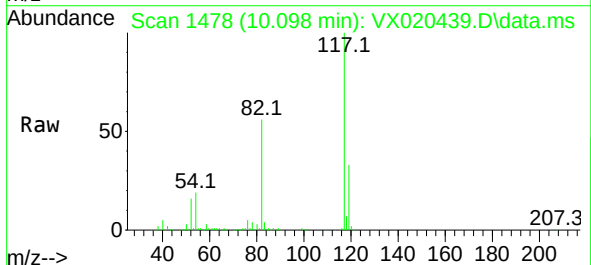
Instrument :
MSVOA_X
ClientSampleId :
1023-MW-18(21.5)

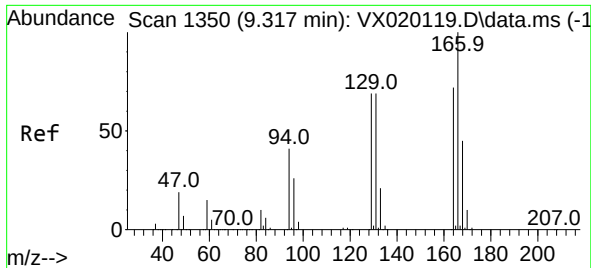
Tgt Ion: 95 Resp: 163059
Ion Ratio Lower Upper
95 100
174 78.1 0.0 154.6
176 75.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020439.D
Acq: 29 Dec 2020 17:06

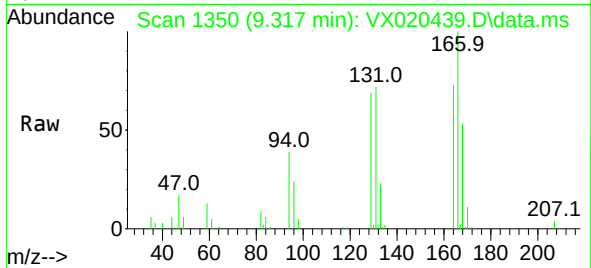
Tgt Ion: 117 Resp: 357313
Ion Ratio Lower Upper
117 100
82 55.9 47.4 71.2
119 33.3 26.6 39.8



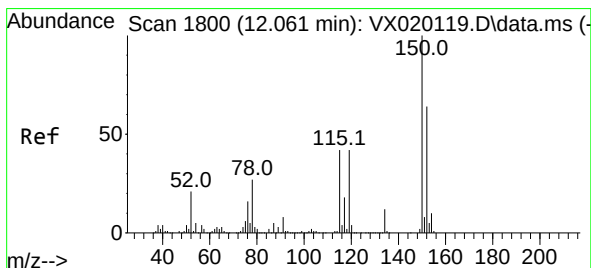
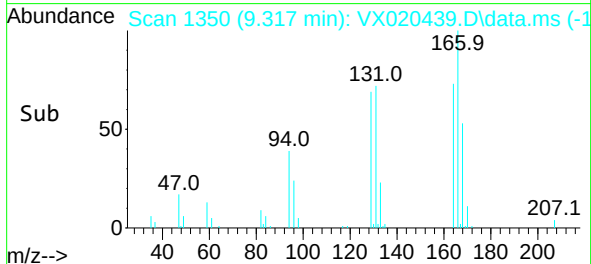
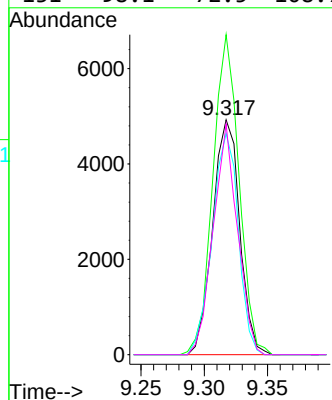


#64
Tetrachloroethene
Concen: 2.71 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020439.D
Acq: 29 Dec 2020 17:06

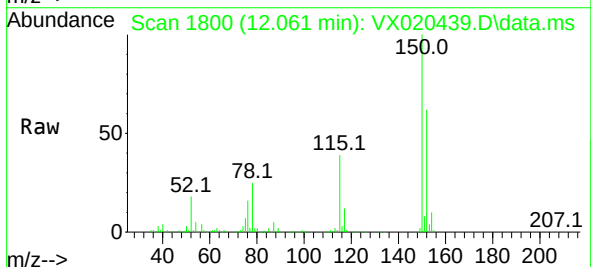
Instrument :
MSVOA_X
ClientSampleId :
1023-MW-18(21.5)



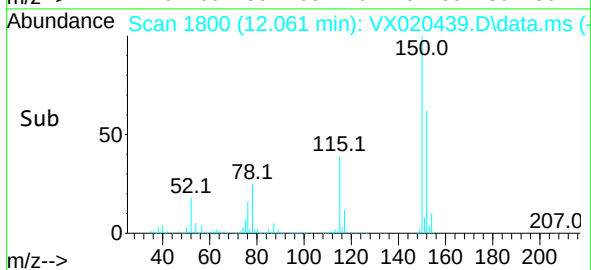
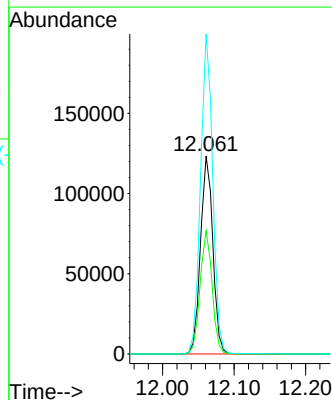
Tgt Ion:164	Resp:	7298
Ion	Ratio	Lower Upper
164	100	
166	136.3	103.4 155.2
129	94.2	70.8 106.2
131	98.1	72.5 108.7

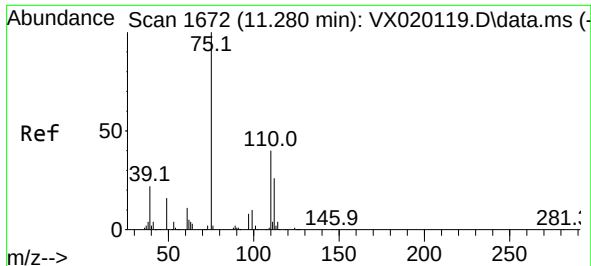


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020439.D
Acq: 29 Dec 2020 17:06



Tgt Ion:152	Resp:	147630
Ion	Ratio	Lower Upper
152	100	
115	60.8	41.1 123.3
150	159.0	0.0 349.0

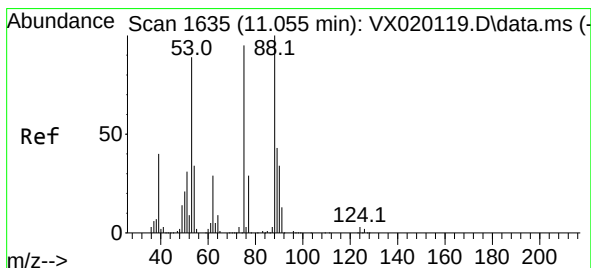
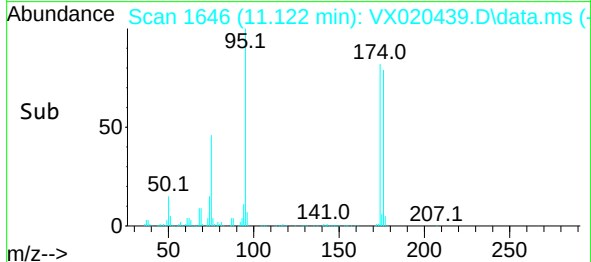
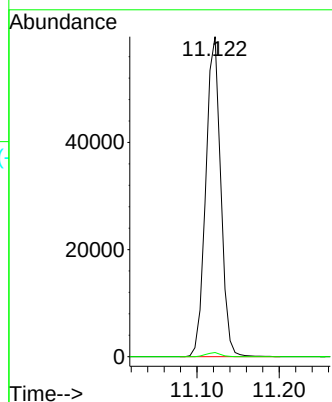
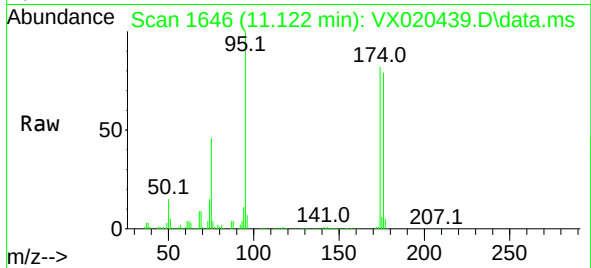




#76
1,2,3-Trichloropropane
Concen: 20.73 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020439.D
Acq: 29 Dec 2020 17:06

Instrument :
MSVOA_X
ClientSampleId :
1023-MW-18(21.5)

Tgt Ion: 75 Resp: 75375
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.49 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020439.D
Acq: 29 Dec 2020 17:06

Tgt Ion: 75 Resp: 75375
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#

