

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121820\
 Data File : VX020128.D
 Acq On : 18 Dec 2020 16:00
 Operator : JC/MD
 Sample : L5059-01
 Misc : 4.12g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
ClientSampleId :
 CALDRUM1-20201209

Quant Time: Dec 18 16:52:57 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

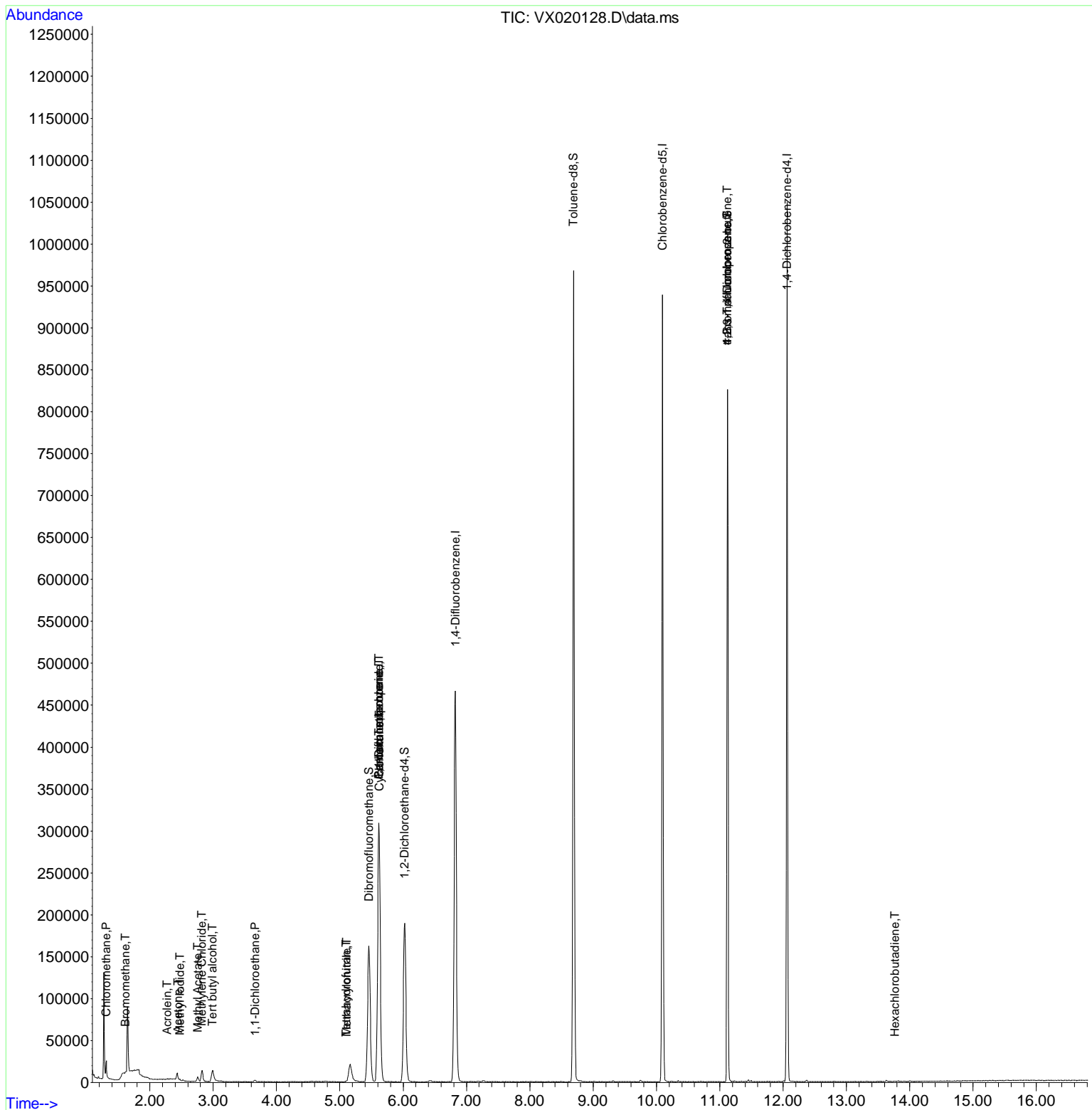
Compound	R.T.	QI on	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.617	168	296326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.824	114	490930	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	458665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	213569	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	185450	46.69	ug/l	0.00
Spike Amount	50.000	Range 61 - 141	Recovery	=	93.38%	
35) Dibromofluoromethane	5.458	113	145384	46.29	ug/l	0.00
Spike Amount	50.000	Range 69 - 133	Recovery	=	92.58%	
50) Toluene-d8	8.689	98	597243	49.41	ug/l	0.00
Spike Amount	50.000	Range 65 - 126	Recovery	=	98.82%	
62) 4-Bromofluorobenzene	11.122	95	225263	48.69	ug/l	0.00
Spike Amount	50.000	Range 58 - 135	Recovery	=	97.38%	
Target Compounds						
3) Chloromethane	1.313	50	12163	3.26	ug/l	99
5) Bromomethane	1.618	94	928	0.71	ug/l	97
10) Methyl Iodide	2.477	142	1332	3.60	ug/l	94
11) Tert butyl alcohol	2.989	59	10467	11.77	ug/l	# 74
13) Acrolein	2.276	56	288	0.52	ug/l	# 14
16) Acetone	2.447	43	1942	1.07	ug/l	# 84
18) Methyl Acetate	2.758	43	7110	1.76	ug/l	96
20) Methylene Chloride	2.825	84	6311	1.55	ug/l	98
24) 1,1-Dichloroethane	3.666	63	2132	0.33	ug/l	# 96
29) Tetrahydrofuran	5.099	42	1307	0.79	ug/l	# 47
31) Cyclohexane	5.623	56	6087	1.11	ug/l	# 1
36) 1,1-Dichloropropene	5.617	75	22778	4.69	ug/l	# 49
38) Carbon Tetrachloride	5.617	117	29464	6.38	ug/l	# 16
41) Methacrylonitrile	5.111	41	795	0.30	ug/l	# 42
76) 1,2,3-Trichloropropane	11.122	75	108052	20.54	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.122	75	108052	60.94	ug/l	# 12
94) Hexachlorobutadiene	13.768	225	137	2.71	ug/l	87

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

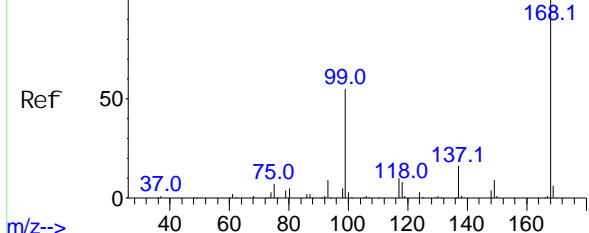
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121820\
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 ALS Vial : 15 Sample Multiplier: 1

Instrument :
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Quant Time: Dec 18 16:52:57 2020
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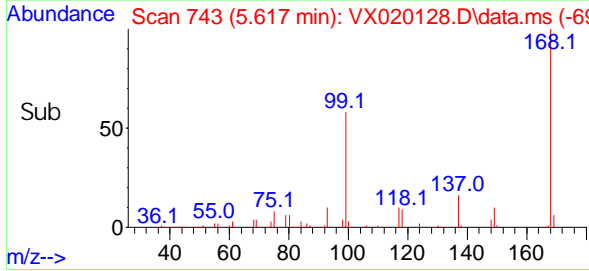
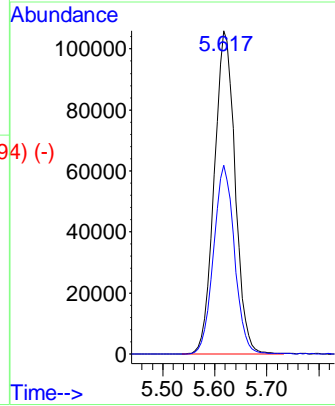
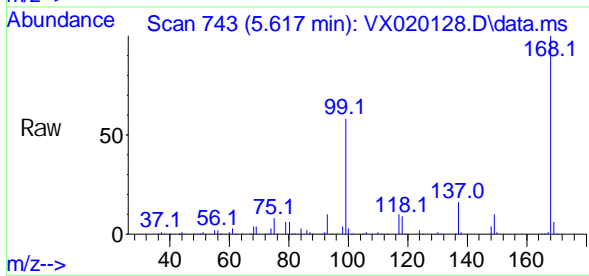
Abundance Scan 743 (5.617 min): VX020119.D\data.ms (-730)#(4)



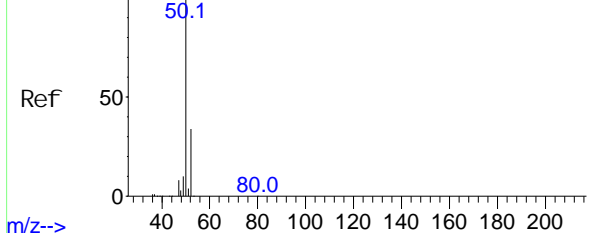
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.617 min Scan# 743
Delta R.T. -0.000 min
Lab File: VX020128.D
Acq: 18 Dec 2020 16:00

Instrument : MSVOA_X
Client Sampled : CALDRUM1-20201209

Tgt Ion: 168 Resp: 296326
Ion Ratio Lower Upper
168 100
99 58.5 45.8 68.6

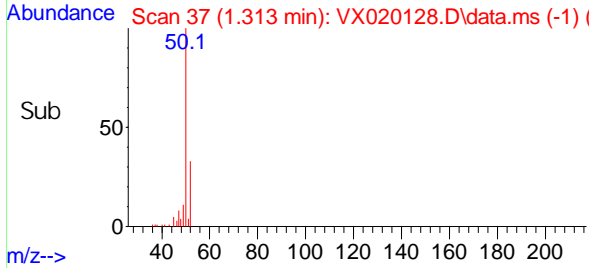
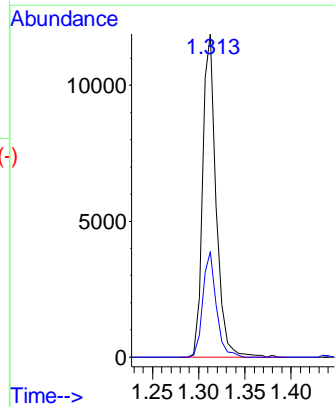
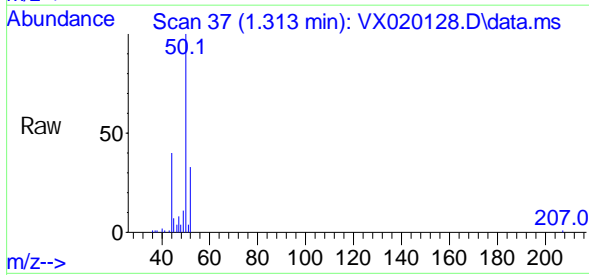


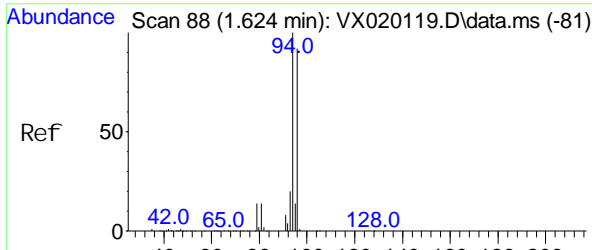
Abundance Scan 37 (1.313 min): VX020119.D\data.ms (-32) (-#3)



Chloromethane
Concen: 3.26 ug/l
RT: 1.313 min Scan# 37
Delta R.T. -0.000 min
Lab File: VX020128.D
Acq: 18 Dec 2020 16:00

Tgt Ion: 50 Resp: 12163
Ion Ratio Lower Upper
50 100
52 32.6 26.4 39.6

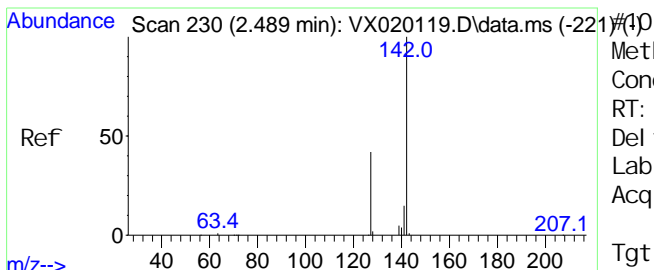
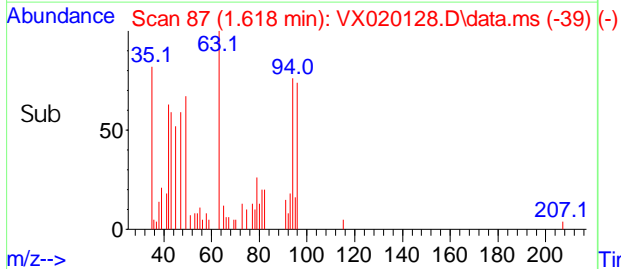
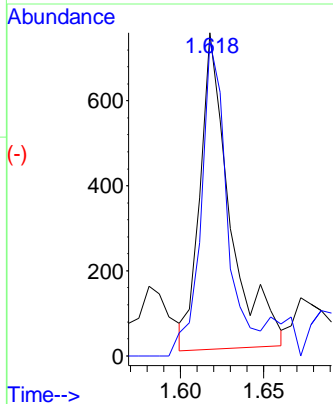
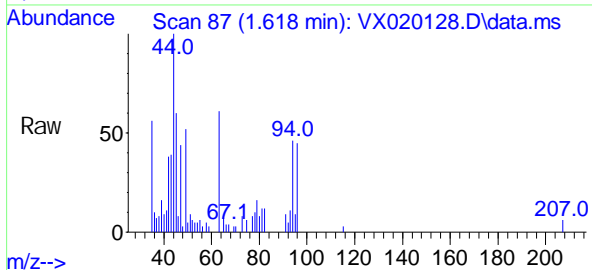




Bromomethane
 Concen: 0.71 ug/l
 RT: 1.618 min Scan# 87
 Delta R.T. -0.006 min
 Lab File: VX020128.D
 Acq: 18 Dec 2020 16:00

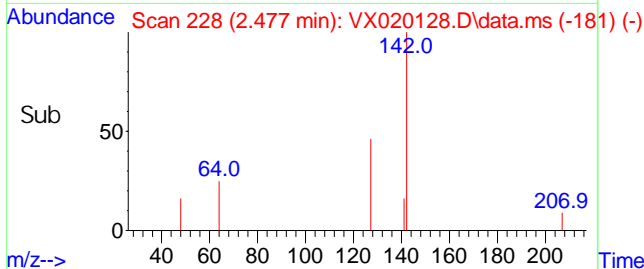
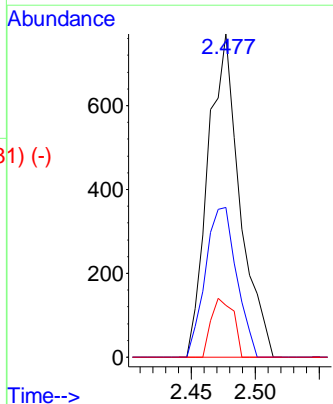
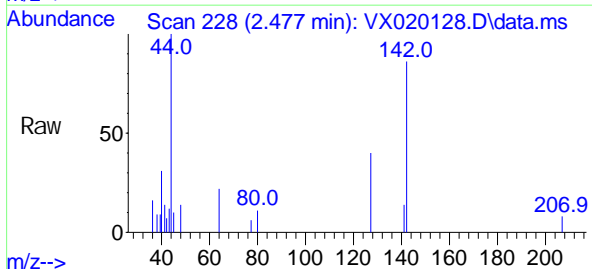
Instrument :
 MSVOA_X
ClientSampled :
 CALDRUM1-20201209

Tgt Ion: 94 Resp: 928
 Ion Ratio Lower Upper
 94 100
 96 98.0 76.4 114.6

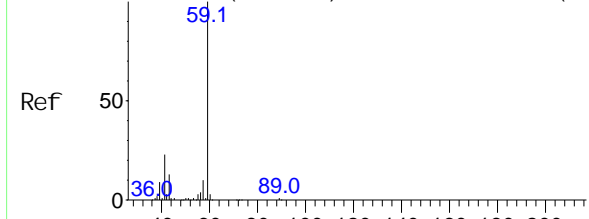


Methyl Iodide
 Concen: 3.60 ug/l
 RT: 2.477 min Scan# 228
 Delta R.T. -0.012 min
 Lab File: VX020128.D
 Acq: 18 Dec 2020 16:00

Tgt Ion: 142 Resp: 1332
 Ion Ratio Lower Upper
 142 100
 127 45.5 33.3 49.9
 141 12.7 11.4 17.0



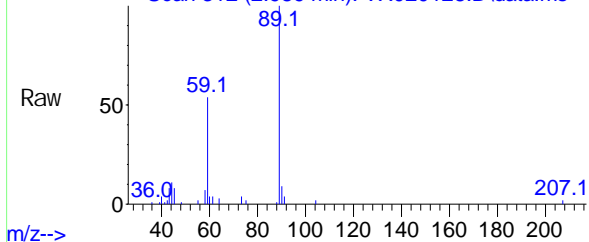
Abundance Scan 316 (3.014 min): VX020119.D\data.ms (-304)#(1)



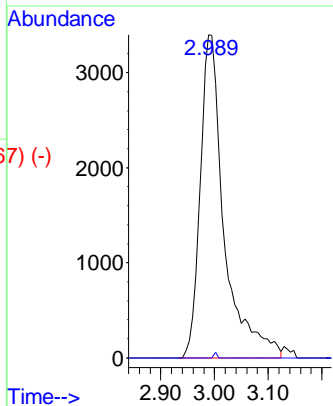
Tert butyl alcohol
Concen: 11.77 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.025 min
Lab File: VX020128.D
Acq: 18 Dec 2020 16:00

Instrument : MSVOA_X
Client Sampled : CALDRUM1-20201209

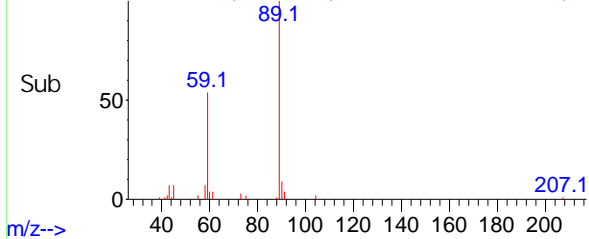
Abundance Scan 312 (2.989 min): VX020128.D\data.ms



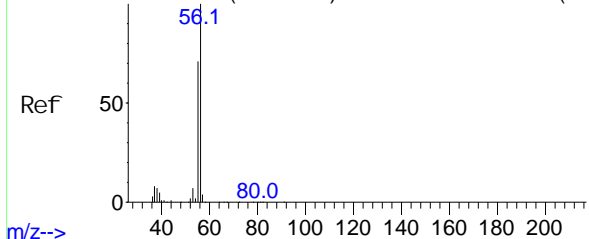
Tgt Ion: 59 Resp: 10467
Ion Ratio Lower Upper
59 100
57 0.2 7.8 11.8#



Abundance Scan 312 (2.989 min): VX020128.D\data.ms (-267) (-)



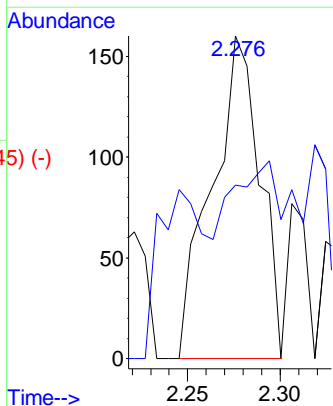
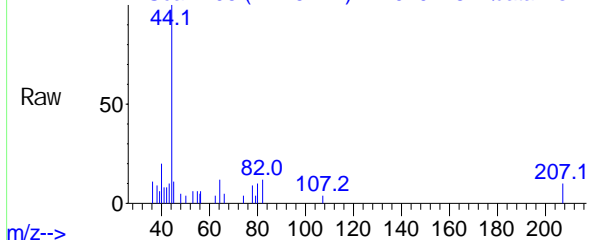
Abundance Scan 194 (2.270 min): VX020119.D\data.ms (-183)#(1)



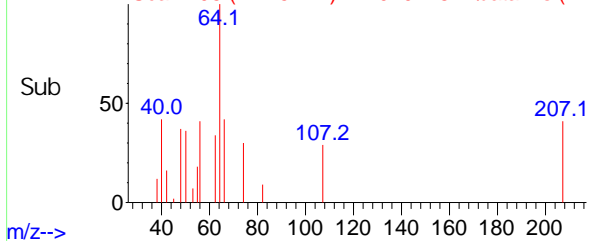
Acrolein
Concen: 0.52 ug/l
RT: 2.276 min Scan# 195
Delta R.T. 0.006 min
Lab File: VX020128.D
Acq: 18 Dec 2020 16:00

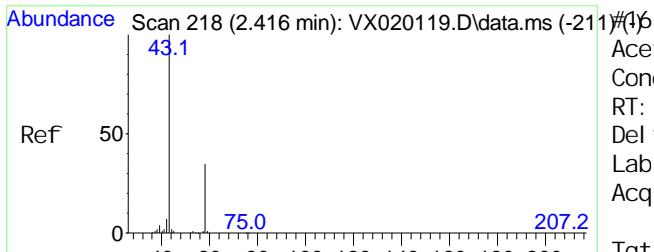
Tgt Ion: 56 Resp: 288
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

Abundance Scan 195 (2.276 min): VX020128.D\data.ms



Abundance Scan 195 (2.276 min): VX020128.D\data.ms (-145) (-)

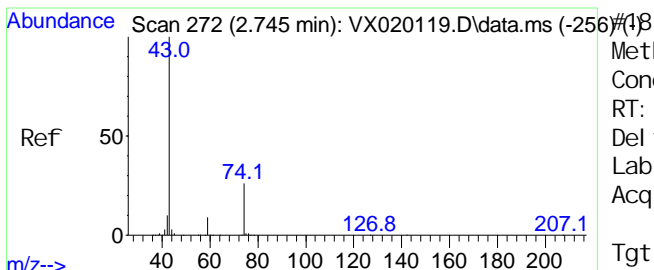
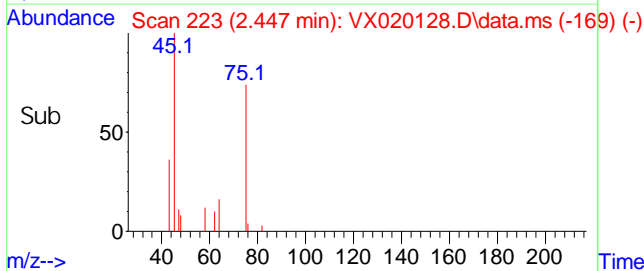
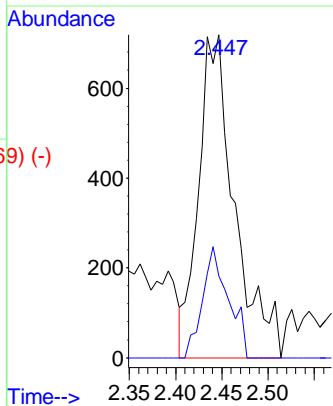
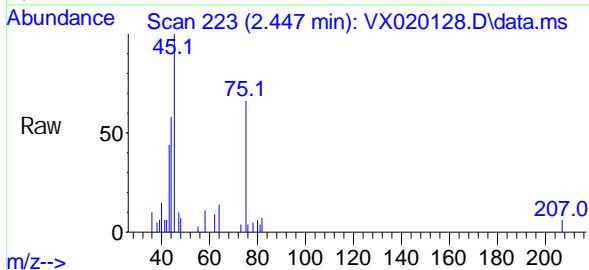




Acetone
 Concen: 1.07 ug/l
 RT: 2.447 min Scan# 223
 Delta R.T. 0.031 min
 Lab File: VX020128.D
 Acq: 18 Dec 2020 16:00

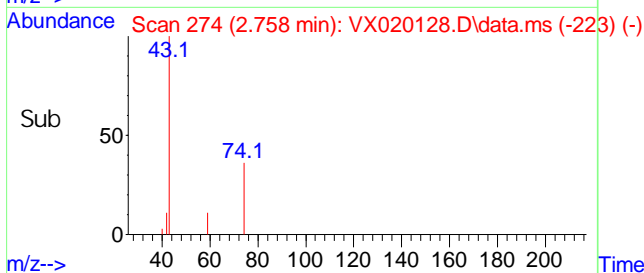
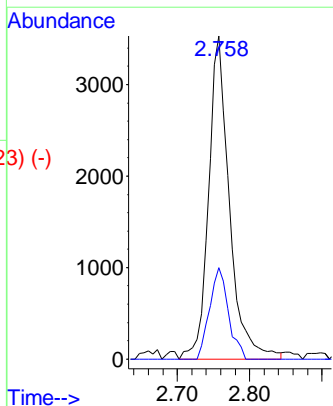
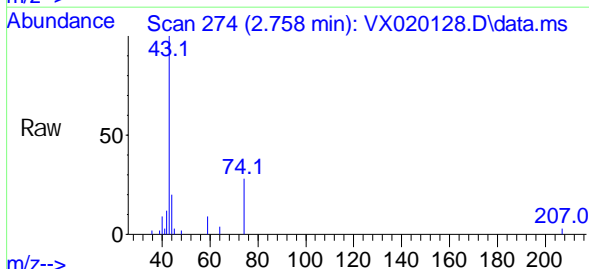
Instrument :
 MSVOA_X
Client Sampled :
 CALDRUM1-20201209

Tgt Ion: 43 Resp: 1942
 Ion Ratio Lower Upper
 43 100
 58 25.3 27.8 41.8#

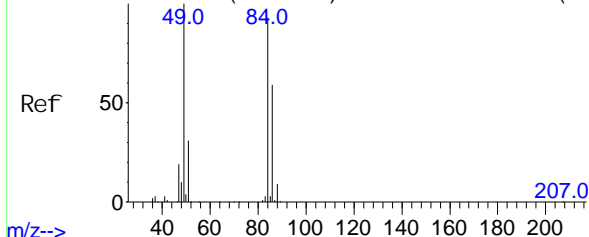


Methyl Acetate
 Concen: 1.76 ug/l
 RT: 2.758 min Scan# 274
 Delta R.T. 0.013 min
 Lab File: VX020128.D
 Acq: 18 Dec 2020 16:00

Tgt Ion: 43 Resp: 7110
 Ion Ratio Lower Upper
 43 100
 74 25.3 21.9 32.9



Abundance Scan 286 (2.831 min): VX020119.D\data.ms (-277)#20

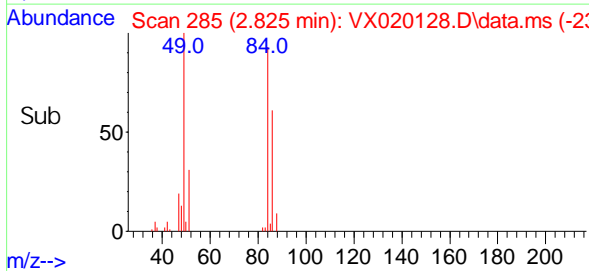
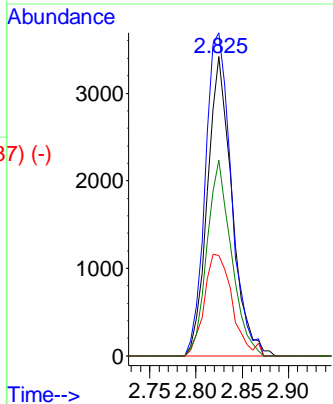
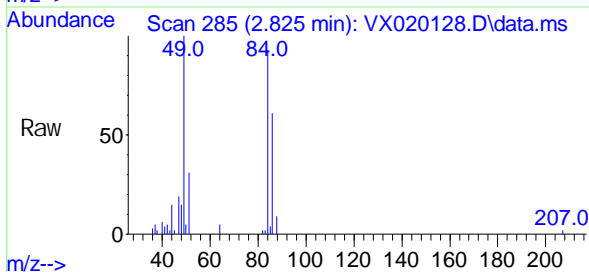


Methyl ene Chlori de
Concen: 1.55 ug/l
RT: 2.825 min Scan# 285
Del ta R. T. -0.006 min
Lab Fi le: VX020128.D
Acq: 18 Dec 2020 16:00

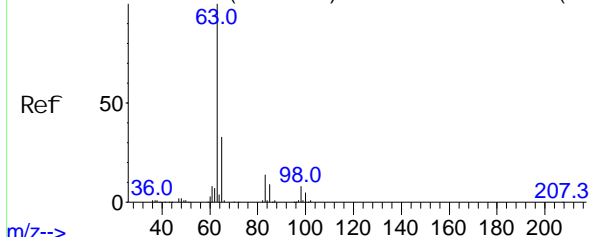
Instrument :
MSVOA_X
ClientSampled :
CALDRUM1-20201209

Tgt Ion: 84 Resp: 6311

Ion	Ratio	Lower	Upper
84	100		
49	108.0	88.6	132.8
51	33.5	27.0	40.6
86	65.5	50.3	75.5



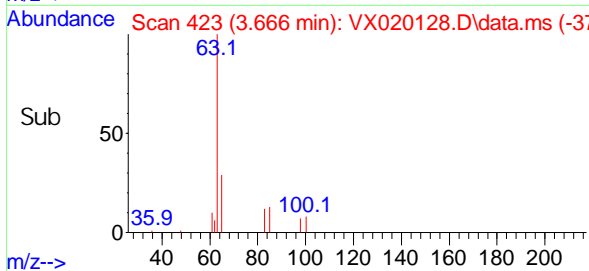
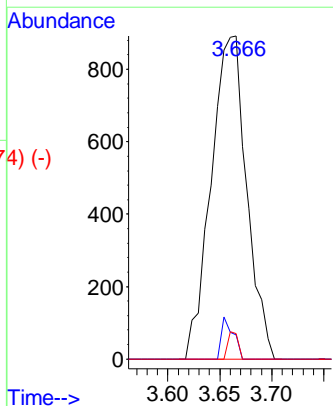
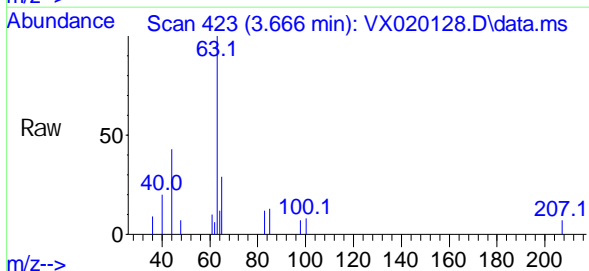
Abundance Scan 423 (3.666 min): VX020119.D\data.ms (-412)#24



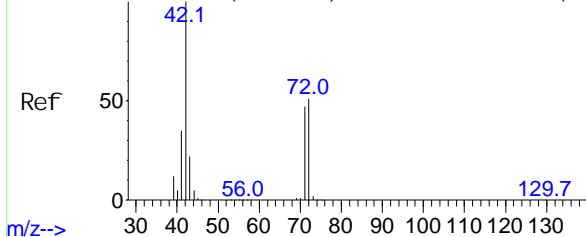
1,1-Di chl oroethane
Concen: 0.33 ug/l
RT: 3.666 min Scan# 423
Del ta R. T. -0.000 min
Lab Fi le: VX020128.D
Acq: 18 Dec 2020 16:00

Tgt Ion: 63 Resp: 2132

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.8	11.2
100	7.8	2.5	7.5#



Abundance Scan 655 (5.080 min): VX020119.D\data.ms (-644) #29

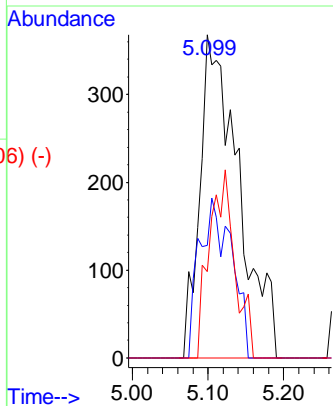
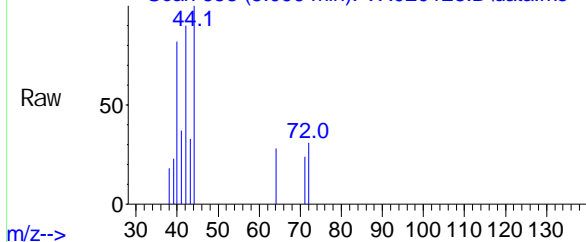


Tetrahydrofuran
 Concen: 0.79 ug/l
 RT: 5.099 min Scan# 658
 Delta R.T. 0.019 min
 Lab File: VX020128.D
 Acq: 18 Dec 2020 16:00

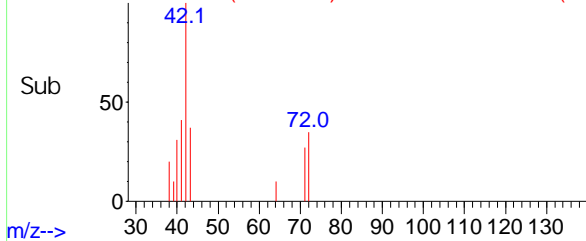
Instrument :
 MSVOA_X
Client Sampled :
 CALDRUM1-20201209

Tgt Ion	Ratio	Lower	Upper
42	100		
72	26.2	41.7	62.5#
71	0.0	38.4	57.6#

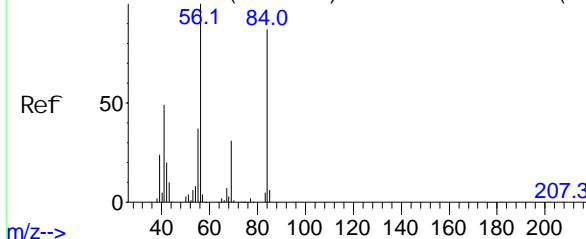
Abundance Scan 658 (5.099 min): VX020128.D\data.ms



Abundance Scan 658 (5.099 min): VX020128.D\data.ms (-606) (-)



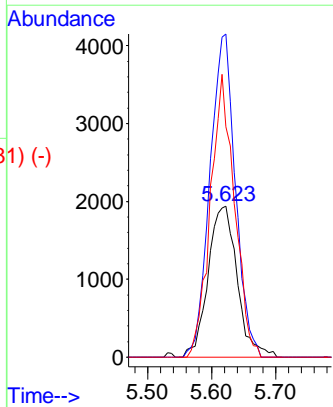
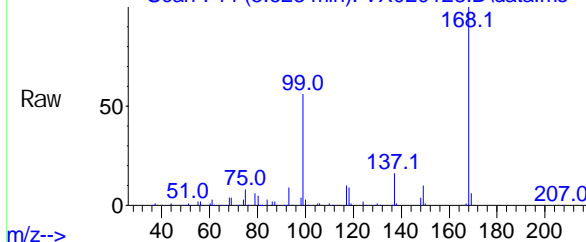
Abundance Scan 730 (5.537 min): VX020119.D\data.ms (-715) #31



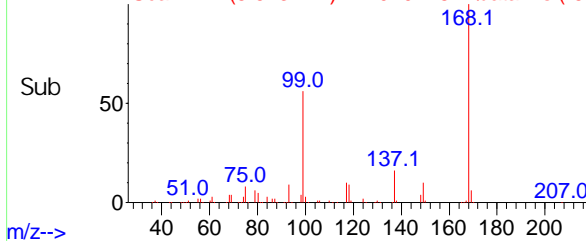
Cyclohexane
 Concen: 1.11 ug/l
 RT: 5.623 min Scan# 744
 Delta R.T. 0.086 min
 Lab File: VX020128.D
 Acq: 18 Dec 2020 16:00

Tgt Ion	Ratio	Lower	Upper
56	100		
69	214.1	25.3	37.9#
84	152.8	71.4	107.0#

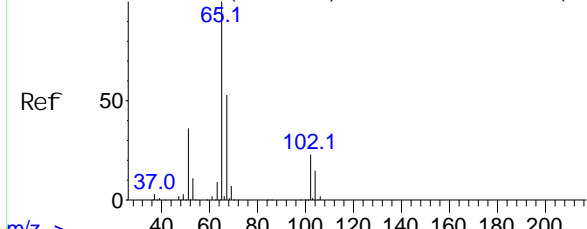
Abundance Scan 744 (5.623 min): VX020128.D\data.ms



Abundance Scan 744 (5.623 min): VX020128.D\data.ms (-681) (-)



Abundance Scan 810 (6.025 min): VX020119.D\data.ms (-797)#33

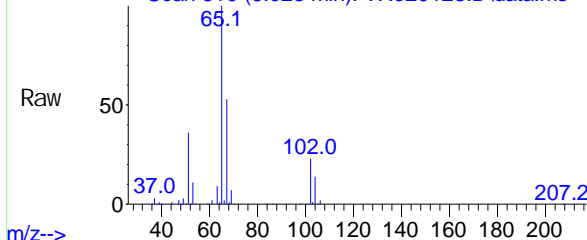


1, 2-Di chloroethane-d4
Concen: 46.69 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX020128.D
Acq: 18 Dec 2020 16:00

Instrument :
MSVOA_X
ClientSampled :
CALDRUM1-20201209

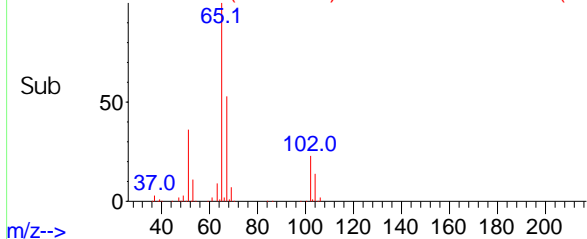
Tgt Ion: 65 Resp: 185450
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.4

Abundance Scan 810 (6.025 min): VX020128.D\data.ms

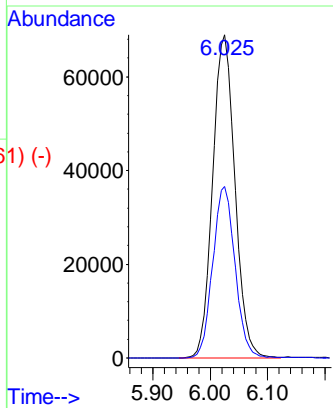


m/z-->

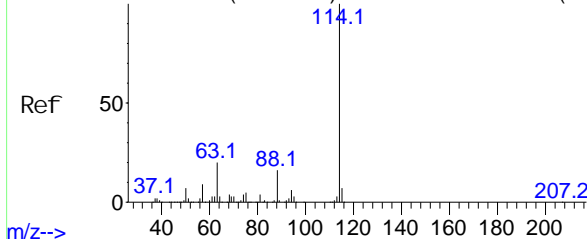
Abundance Scan 810 (6.025 min): VX020128.D\data.ms (-761) (-)



m/z-->



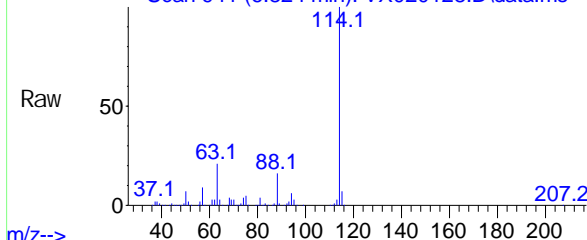
Abundance Scan 941 (6.824 min): VX020119.D\data.ms (-930)#34



1, 4-Di fluorobenzene
Concen: 50.00 ug/l
RT: 6.824 min Scan# 941
Delta R.T. -0.000 min
Lab File: VX020128.D
Acq: 18 Dec 2020 16:00

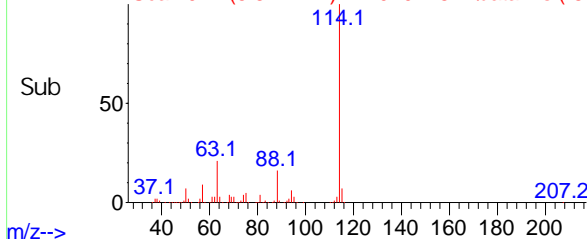
Tgt Ion: 114 Resp: 490930
Ion Ratio Lower Upper
114 100
63 21.2 0.0 40.8
88 16.2 0.0 32.8

Abundance Scan 941 (6.824 min): VX020128.D\data.ms

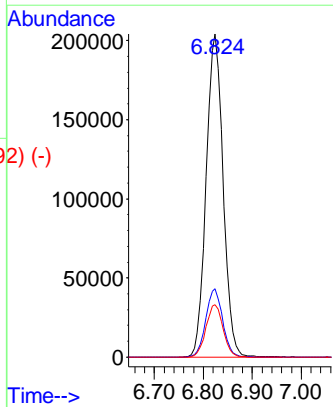


m/z-->

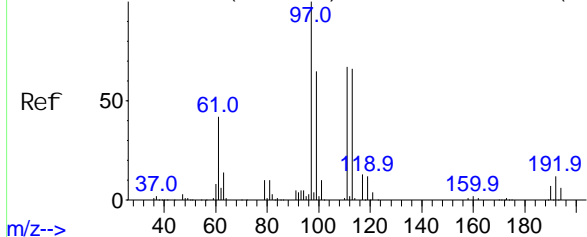
Abundance Scan 941 (6.824 min): VX020128.D\data.ms (-892) (-)



m/z-->

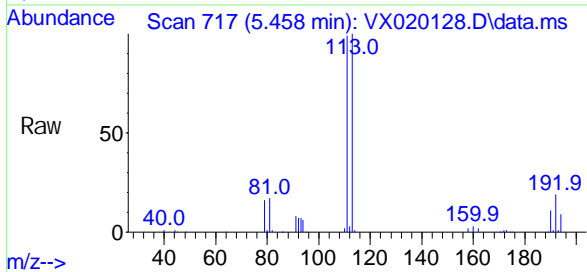


Abundance Scan 717 (5.458 min): VX020119.D\data.ms (-704)#35

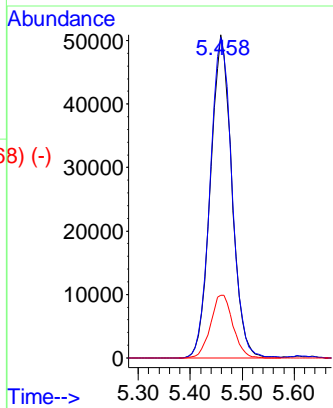
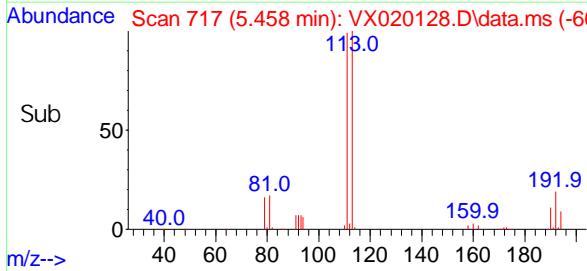


Di bromofluoromethane
Concen: 46.29 ug/l
RT: 5.458 min Scan# 717
Delta R.T. 0.000 min
Lab File: VX020128.D
Acq: 18 Dec 2020 16:00

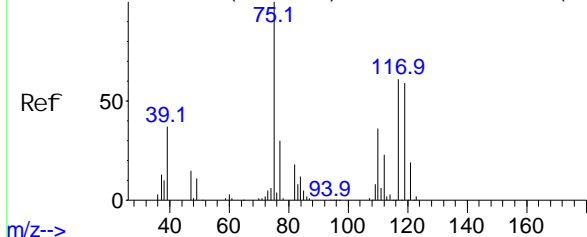
Instrument : MSVOA_X
ClientSampled : CALDRUM1-20201209



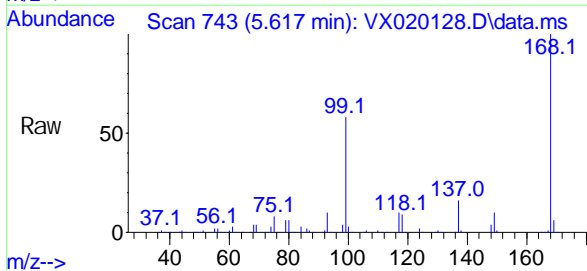
Tgt Ion: 113 Resp: 145384
Ion Ratio Lower Upper
113 100
111 101.6 81.9 122.9
192 20.4 16.7 25.1



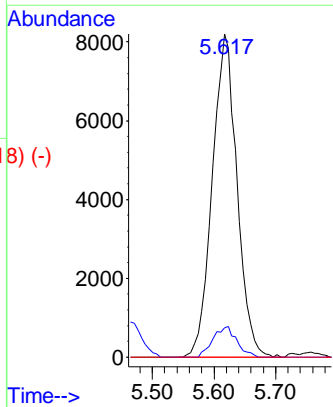
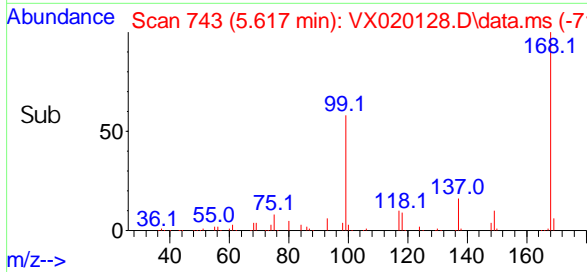
Abundance Scan 767 (5.763 min): VX020119.D\data.ms (-756)#36



1,1-Dichloropropene
Concen: 4.69 ug/l
RT: 5.617 min Scan# 743
Delta R.T. -0.146 min
Lab File: VX020128.D
Acq: 18 Dec 2020 16:00



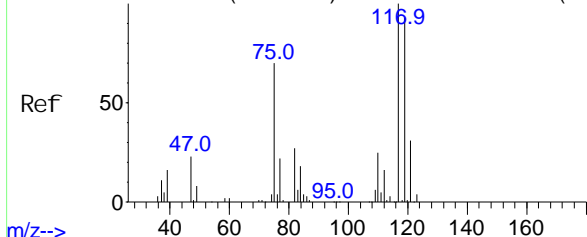
Tgt Ion: 75 Resp: 22778
Ion Ratio Lower Upper
75 100
110 9.1 18.1 54.4#
77 0.0 25.3 37.9#



Abundance Scan 764 (5.745 min): VX020119.D\data.ms (-753)#38

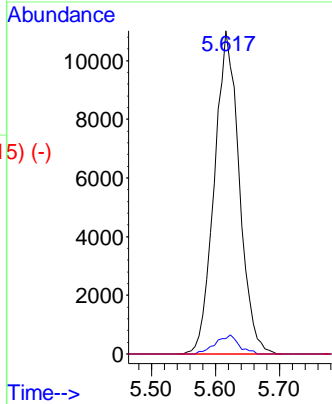
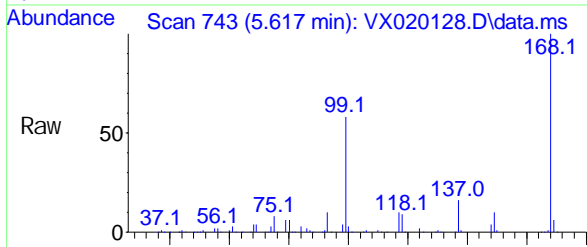
Carbon Tetrachloride
Concen: 6.38 ug/l
RT: 5.617 min Scan# 743
Delta R.T. -0.128 min
Lab File: VX020128.D
Acq: 18 Dec 2020 16:00

Instrument : MSVOA_X
Client Sampled : CALDRUM1-20201209

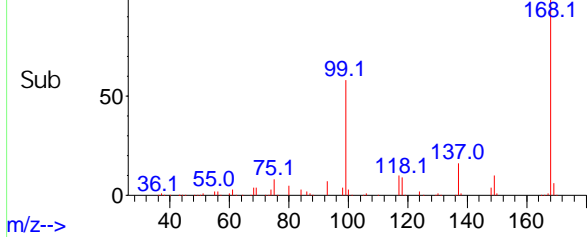


Tgt Ion: 117 Resp: 29464

Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.2	114.2#
121	0.0	24.8	37.2#

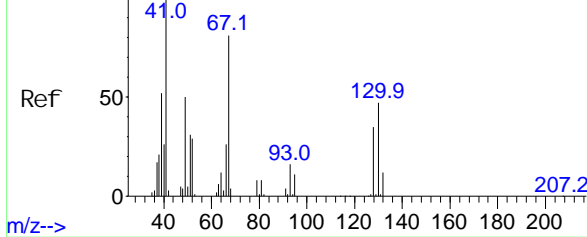


Abundance Scan 743 (5.617 min): VX020128.D\data.ms (-715) (-)



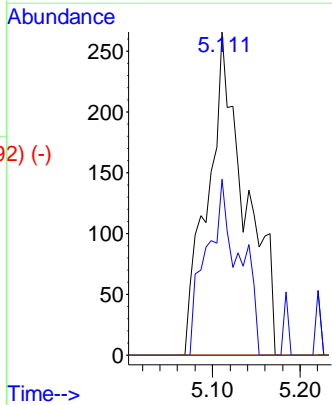
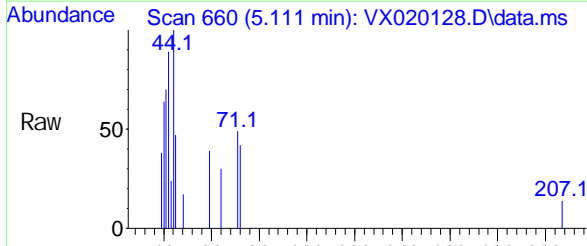
Abundance Scan 641 (4.995 min): VX020119.D\data.ms (-628)#41

Methacrylonitrile
Concen: 0.30 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.116 min
Lab File: VX020128.D
Acq: 18 Dec 2020 16:00

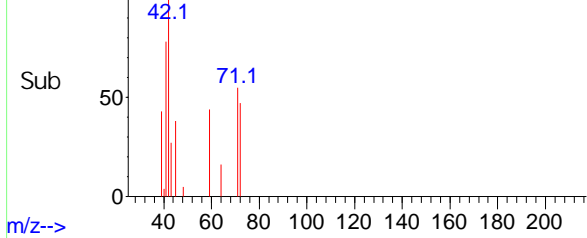


Tgt Ion: 41 Resp: 795

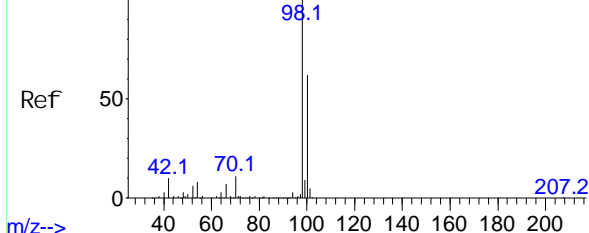
Ion	Ratio	Lower	Upper
41	100		
39	47.7	42.5	63.7
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



Abundance Scan 660 (5.111 min): VX020128.D\data.ms (-592) (-)



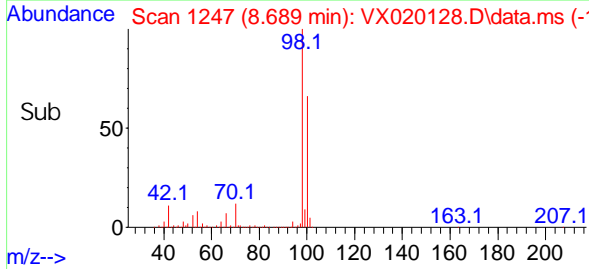
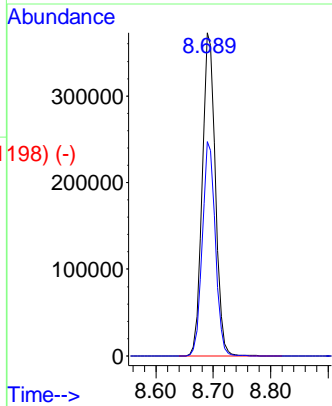
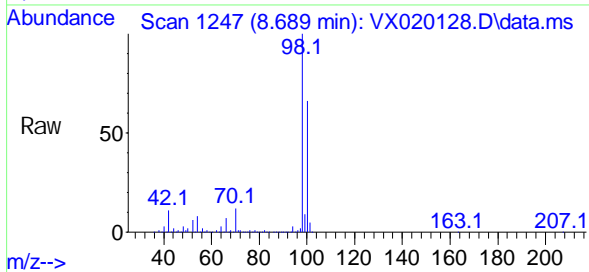
Abundance Scan 1247 (8.689 min): VX020119.D\data.ms (-1235) (-)



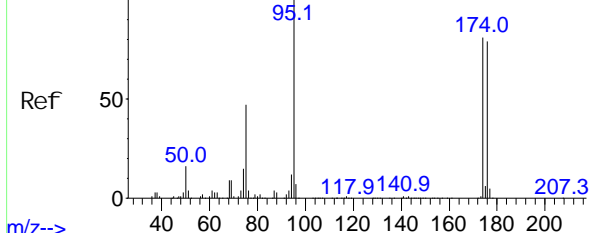
Toluene-d8
Concn: 49.41 ug/l
RT: 8.689 min Scan# 1247
Delta R.T. 0.000 min
Lab File: VX020128.D
Acq: 18 Dec 2020 16:00

Instrument :
MSVOA_X
ClientSampled :
CALDRUM1-20201209

Tgt Ion: 98 Resp: 597243
Ion Ratio Lower Upper
98 100
100 65.8 51.9 77.9

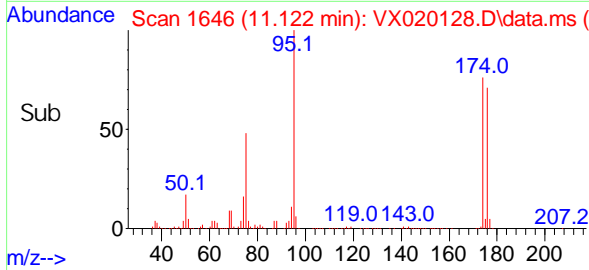
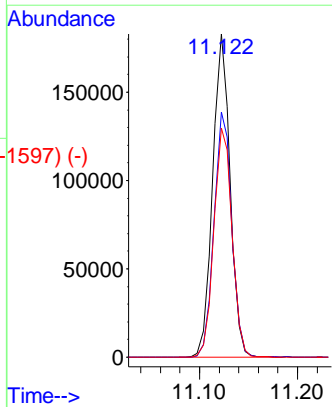
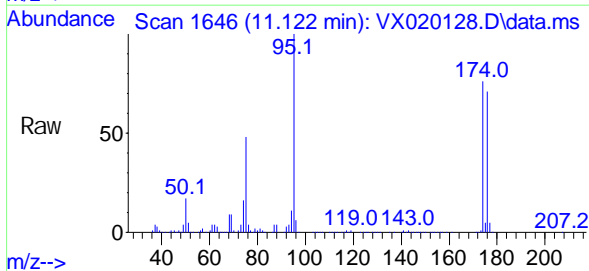


Abundance Scan 1646 (11.122 min): VX020119.D\data.ms (-1659) (-)

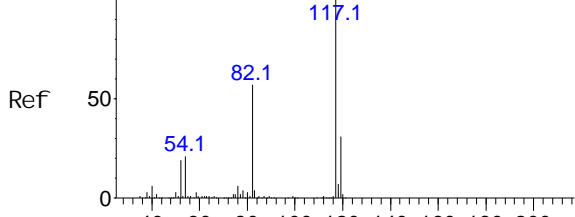


4-Bromofluorobenzene
Concn: 48.69 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020128.D
Acq: 18 Dec 2020 16:00

Tgt Ion: 95 Resp: 225263
Ion Ratio Lower Upper
95 100
174 77.3 0.0 154.6
176 74.0 0.0 155.8



Abundance Scan 1477 (10.092 min): VX020119.D\data.ms (-1477) (-)



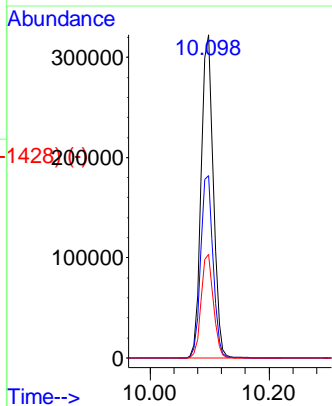
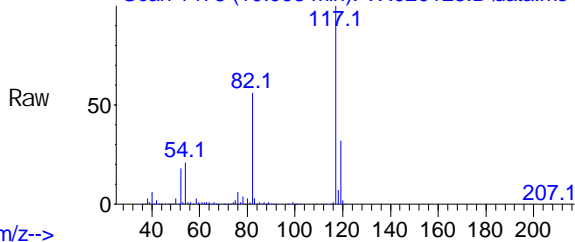
Chl orobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020128.D
Acq: 18 Dec 2020 16:00

Instrument : MSVOA_X
Client Sampled : CALDRUM1-20201209

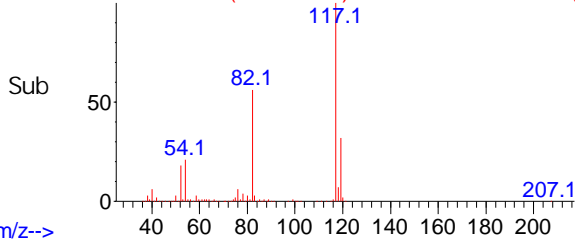
Tgt Ion: 117 Resp: 458665

Ion	Ratio	Lower	Upper
117	100		
82	56.4	47.4	71.2
119	32.1	26.6	39.8

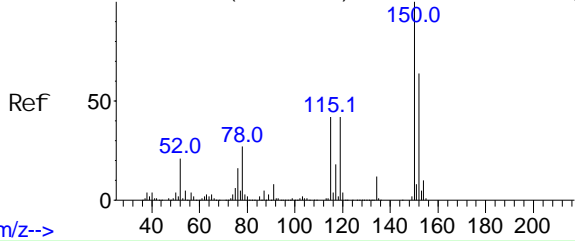
Abundance Scan 1478 (10.098 min): VX020128.D\data.ms



Abundance Scan 1478 (10.098 min): VX020128.D\data.ms (-1478) (-)



Abundance Scan 1800 (12.061 min): VX020119.D\data.ms (-1800) (-)

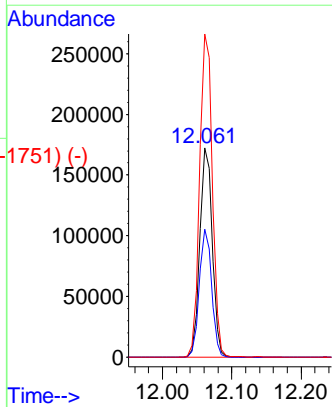
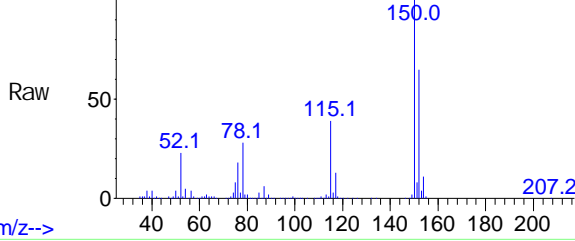


1,4-Di chl orobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020128.D
Acq: 18 Dec 2020 16:00

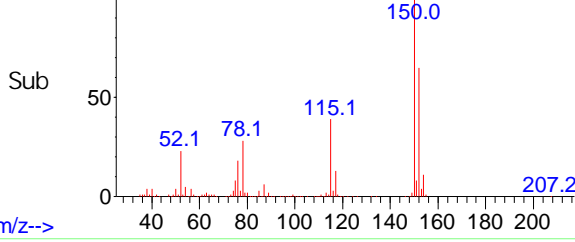
Tgt Ion: 152 Resp: 213569

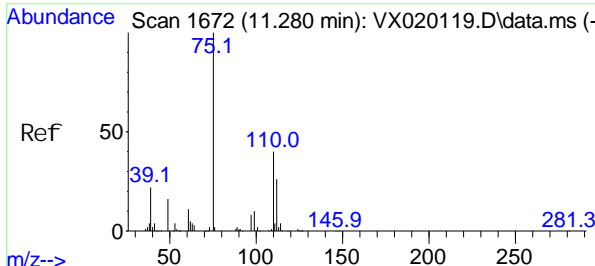
Ion	Ratio	Lower	Upper
152	100		
115	60.4	41.1	123.3
150	157.5	0.0	349.0

Abundance Scan 1800 (12.061 min): VX020128.D\data.ms



Abundance Scan 1800 (12.061 min): VX020128.D\data.ms (-1800) (-)

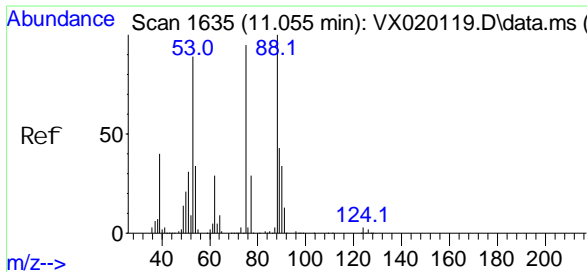
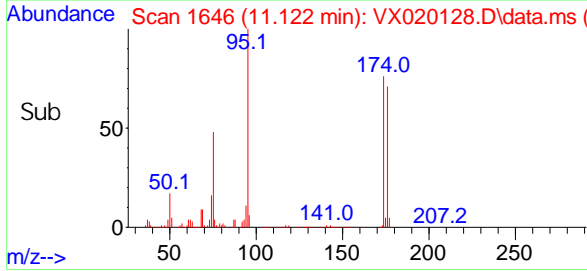
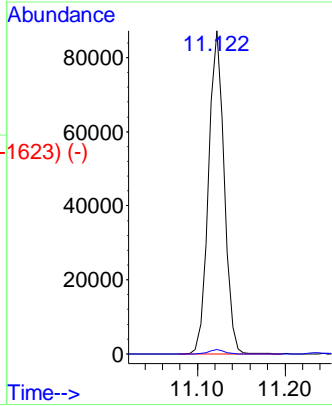
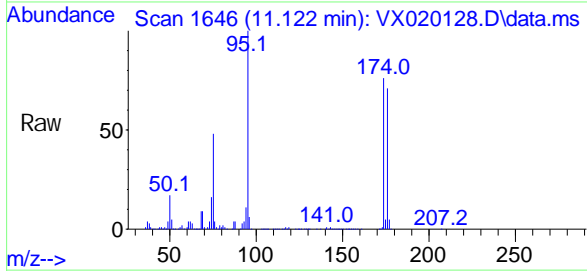




1, 2, 3-Tri chl oropropane
 Concen: 20.54 ug/l
 RT: 11.122 min Scan# 1646
 Del ta R. T. -0.158 min
 Lab Fi le: VX020128. D
 Acq: 18 Dec 2020 16:00

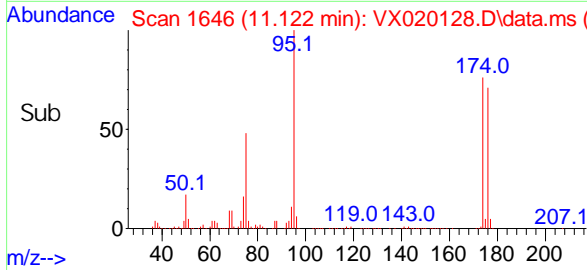
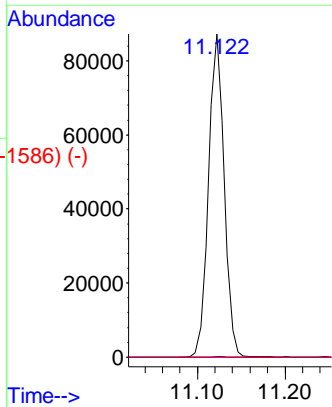
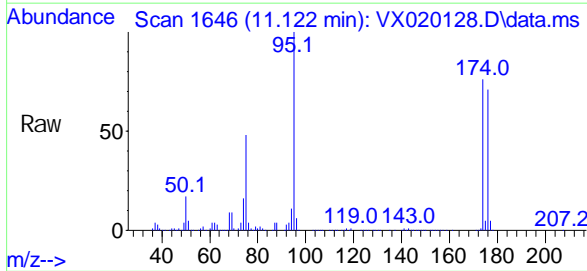
Instrument :
 MSVOA_X
ClientSampled :
 CALDRUM1-20201209

Tgt Ion: 75 Resp: 108052
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#

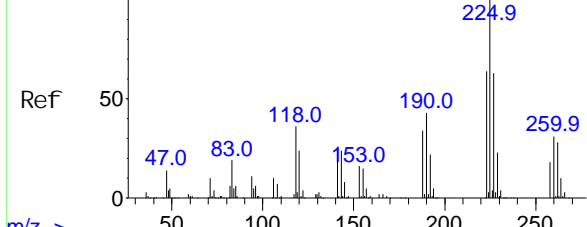


trans-1, 4-Di chl oro-2-butene
 Concen: 60.94 ug/l
 RT: 11.122 min Scan# 1646
 Del ta R. T. 0.067 min
 Lab Fi le: VX020128. D
 Acq: 18 Dec 2020 16:00

Tgt Ion: 75 Resp: 108052
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.5 111.7#
 89 0.0 37.9 56.9#



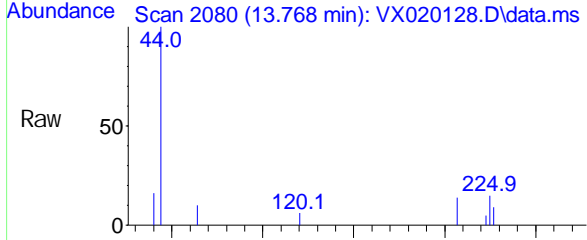
Abundance Scan 2080 (13.768 min): VX020119.D\data.ms (-2079) (-)



Hexachlorobutadiene
 Concn: 2.71 ug/l
 RT: 13.768 min Scan# 2080
 Delta R.T. -0.000 min
 Lab File: VX020128.D
 Acq: 18 Dec 2020 16:00

Instrument :
 MSVOA_X
ClientSampled :
 CALDRUM1-20201209

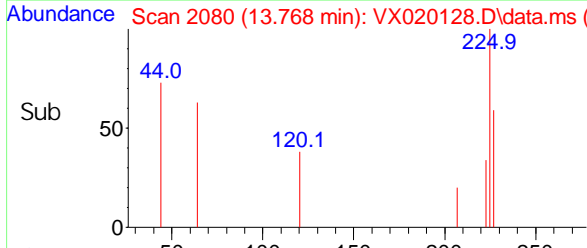
m/z-->



Tgt Ion: 225 Resp: 137

Ion	Ratio	Lower	Upper
225	100		
223	48.9	31.1	93.2
227	70.8	31.6	95.0

m/z-->



m/z-->

