

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121620\
 Data File : VX020062.D
 Acq On : 16 Dec 2020 13:40
 Operator : JC/MD
 Sample : L5076-02 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EFF-WW

Quant Time: Dec 17 00:32:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X120820w.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Dec 09 06:09:21 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

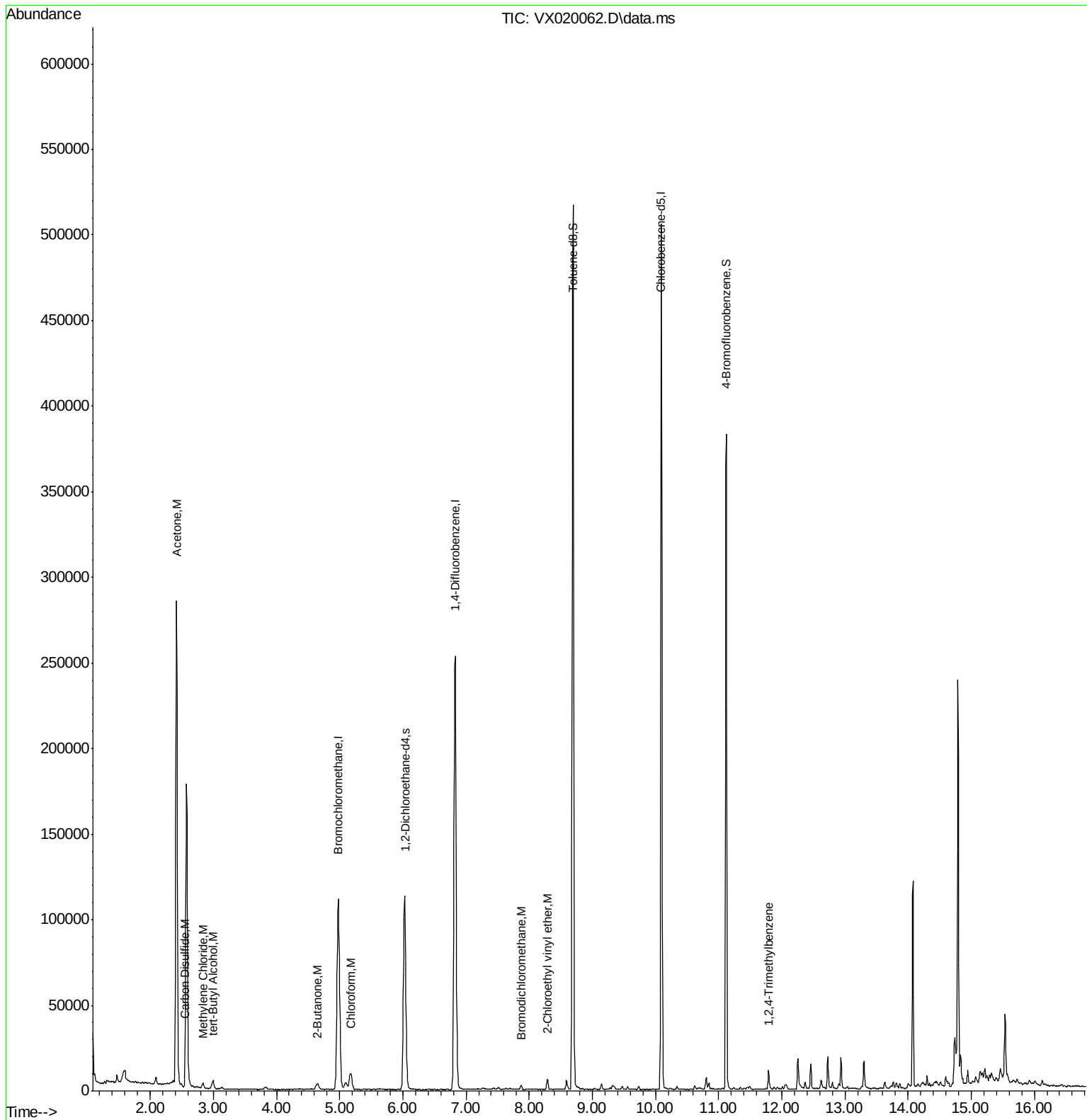
Internal Standards						
1) Bromochloromethane	4.977	128	49583	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.830	114	256126	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.092	117	236782	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.031	65	109014	31.72	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.73%
60) 4-Bromofluorobenzene	11.122	95	107465	27.03	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.10%
63) Toluene-d8	8.695	98	312197	30.10	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.33%
Target Compounds						
					Qvalue	
15) Acetone	2.416	58	97741	193.92	ug/l	98
16) Carbon Disulfide	2.550	76	1794	0.24	ug/l #	93
18) Methylene Chloride	2.831	84	1425	0.43	ug/l	96
23) tert-Butyl Alcohol	2.989	59	3255	4.08	ug/l #	96
25) Chloroform	5.178	83	11924	2.11	ug/l	100
30) 2-Butanone	4.641	43	2749	1.31	ug/l #	93
41) Bromodichloromethane	7.879	83	1552	0.37	ug/l	97
55) 2-Chloroethyl vinyl ether	8.287	63	2472	1.00	ug/l	96
80) 1,2,4-Trimethylbenzene	11.792	105	3270	0.27	ug/l	39

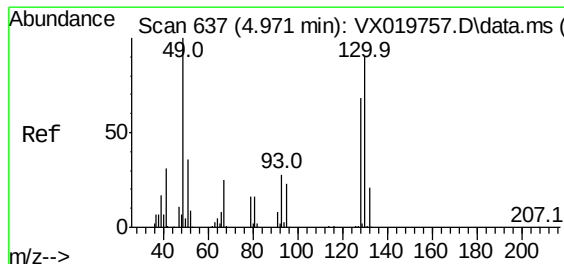
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :
EFF-WW

Quant Time: Dec 17 00:32:29 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X120820W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Dec 09 06:09:21 2020
Response via : Initial Calibration

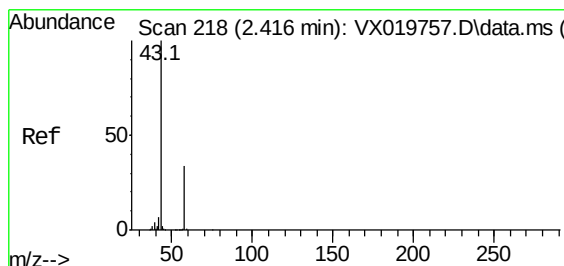
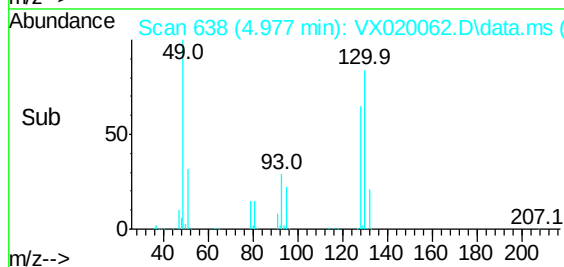
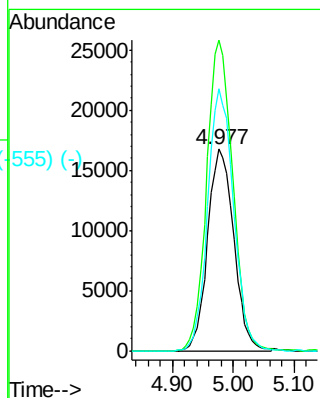
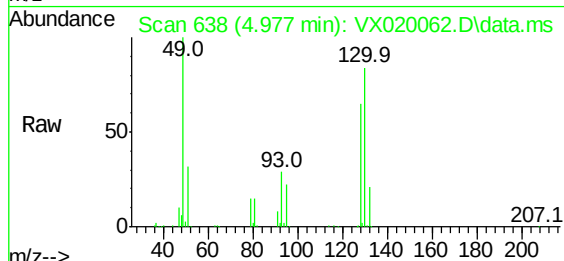




Bromochloromethane
 Concen: 30.00 ug/l
 RT: 4.977 min Scan# 638
 Delta R.T. 0.006 min
 Lab File: VX020062.D
 Acq: 16 Dec 2020 13:40

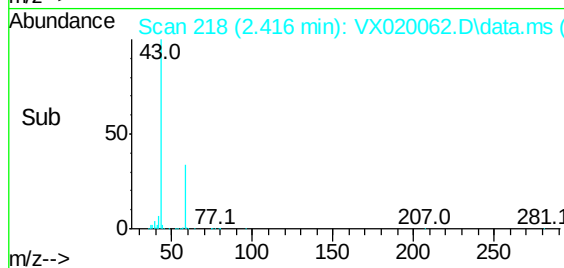
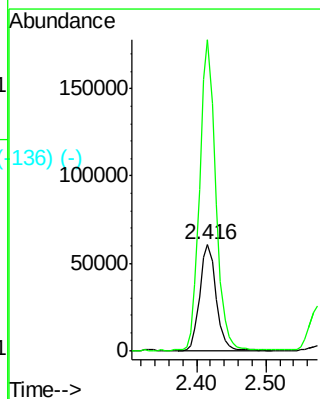
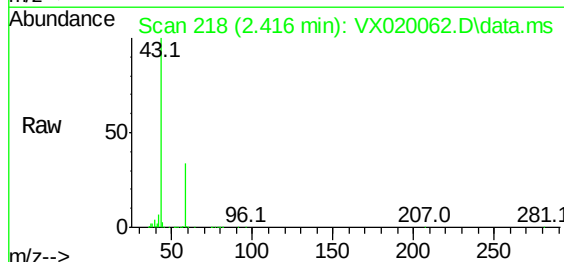
Instrument :
 MSVOA_X
 ClientSampleId :
 EFF-WW

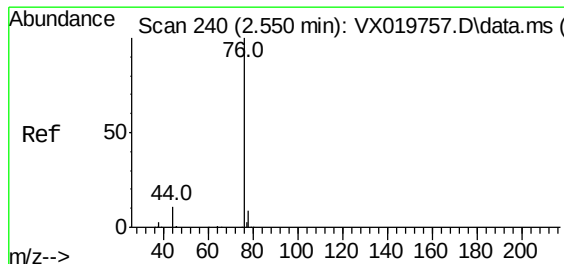
Tgt Ion:	128	Resp:	49583
Ion Ratio	Lower	Upper	
128	100		
49	153.8	0.0	367.5
130	128.7	0.0	318.8



Acetone
 Concen: 193.92 ug/l
 RT: 2.416 min Scan# 218
 Delta R.T. -0.000 min
 Lab File: VX020062.D
 Acq: 16 Dec 2020 13:40

Tgt Ion:	58	Resp:	97741
Ion Ratio	Lower	Upper	
58	100		
43	294.6	232.6	348.8

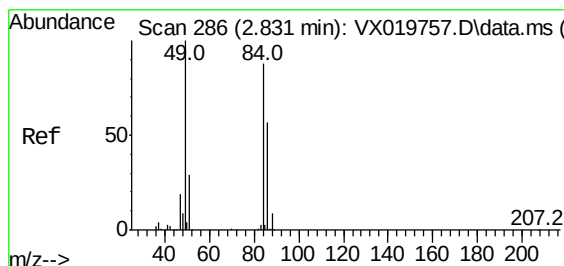
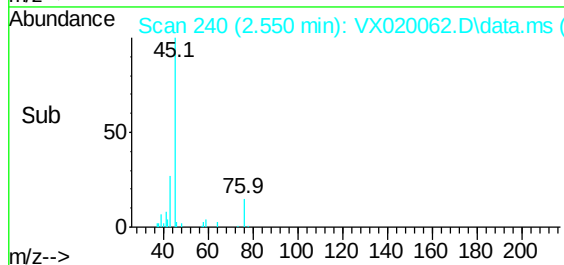
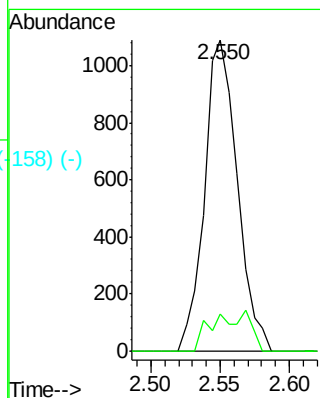
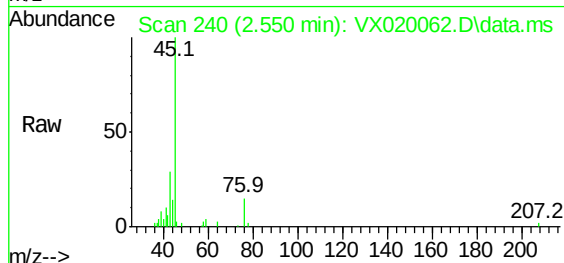




Carbon Disulfide
 Concen: 0.24 ug/l
 RT: 2.550 min Scan# 240
 Delta R.T. -0.000 min
 Lab File: VX020062.D
 Acq: 16 Dec 2020 13:40

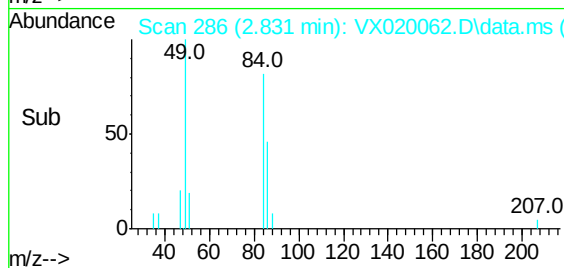
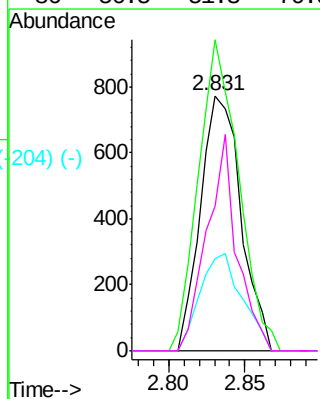
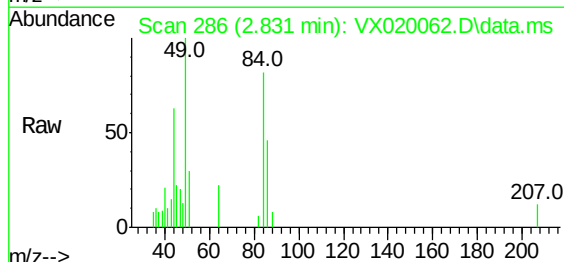
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 MSVOA_X
 ClientSampleId :
 EFF-WW

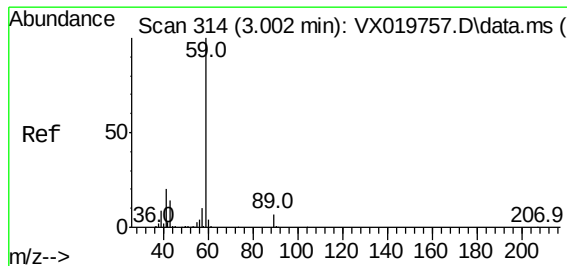
Tgt Ion: 76 Resp: 1794
 Ion Ratio Lower Upper
 76 100
 78 11.8 7.4 11.0#



Methylene Chloride
 Concen: 0.43 ug/l
 RT: 2.831 min Scan# 286
 Delta R.T. -0.000 min
 Lab File: VX020062.D
 Acq: 16 Dec 2020 13:40

Tgt Ion: 84 Resp: 1425
 Ion Ratio Lower Upper
 84 100
 49 114.3 90.6 136.0
 51 36.0 26.3 39.5
 86 56.5 51.3 76.9

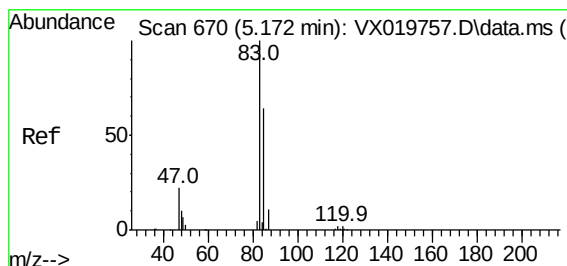
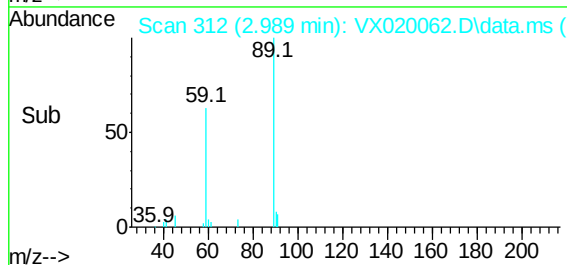
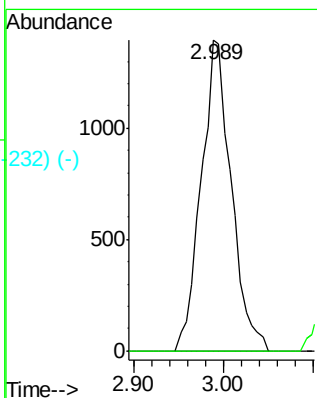
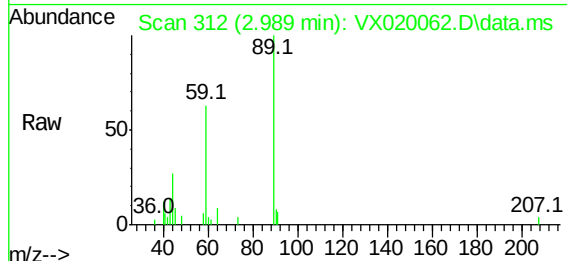




#83 (-)
tert-Butyl Alcohol
Concen: 4.08 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.012 min
Lab File: VX020062.D
Acq: 16 Dec 2020 13:40

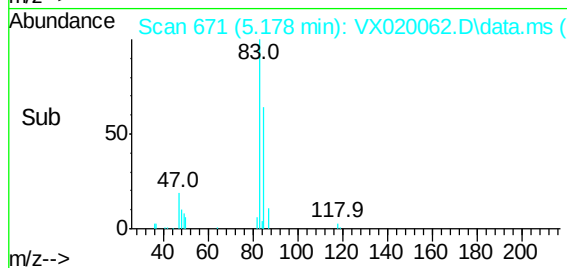
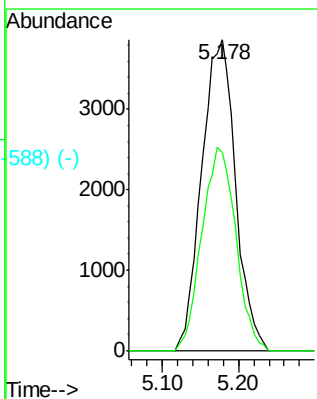
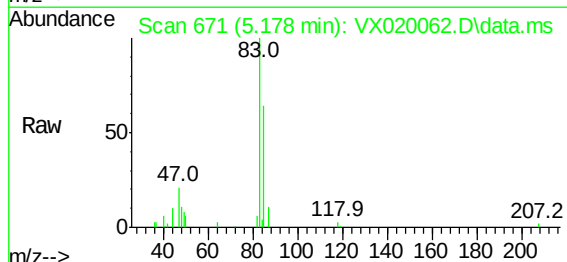
Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

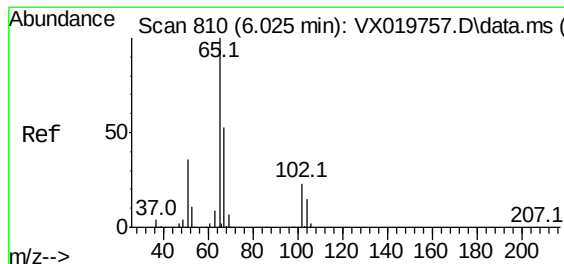
Tgt Ion: 59 Resp: 3255
Ion Ratio Lower Upper
59 100
52 8.7 0.1 0.1#



#85 (-)
Chloroform
Concen: 2.11 ug/l
RT: 5.178 min Scan# 671
Delta R.T. 0.006 min
Lab File: VX020062.D
Acq: 16 Dec 2020 13:40

Tgt Ion: 83 Resp: 11924
Ion Ratio Lower Upper
83 100
85 63.7 51.2 76.8

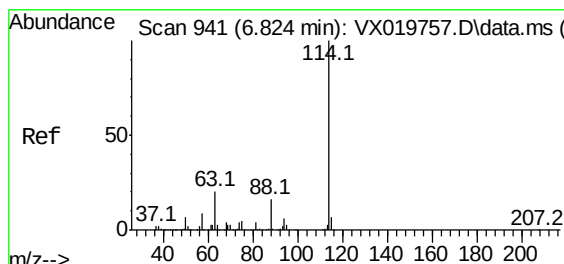
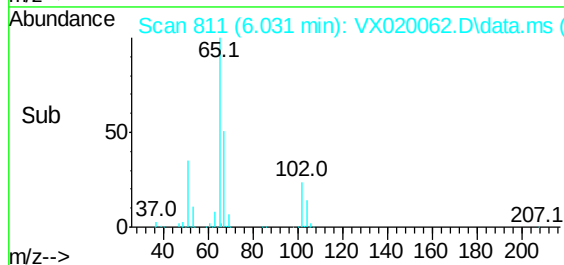
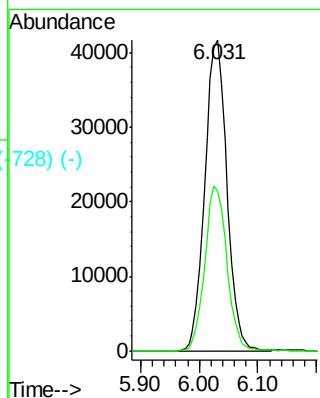
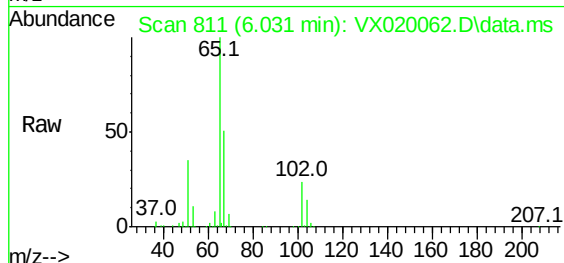




1,2-Dichloroethane-d4
 Concen: 31.72 ug/l
 RT: 6.031 min Scan# 811
 Delta R.T. 0.006 min
 Lab File: VX020062.D
 Acq: 16 Dec 2020 13:40

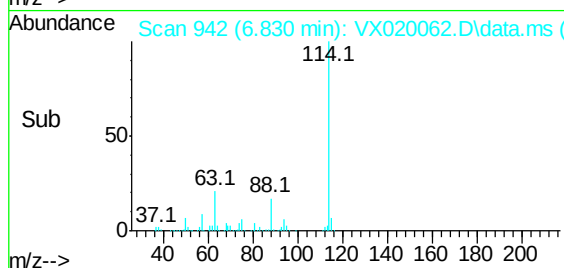
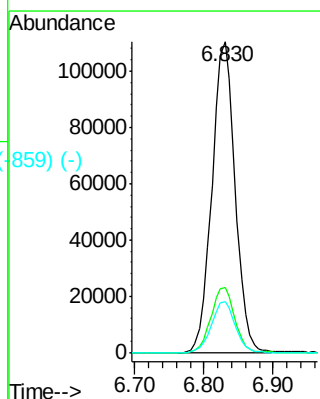
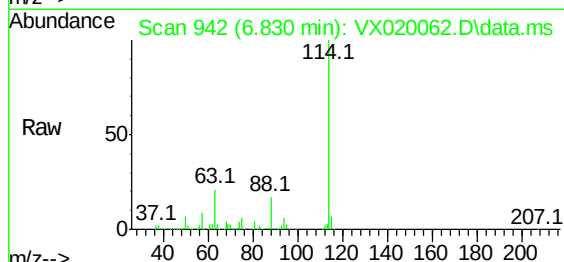
Instrument :
 MSVOA_X
 ClientSampled :
 EFF-WW

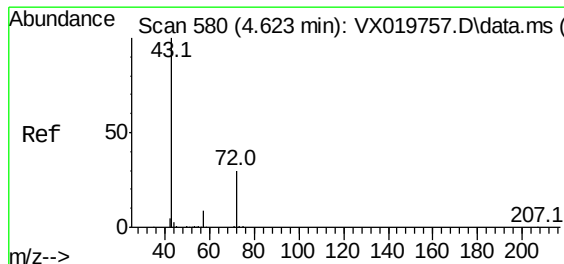
Tgt Ion: 65 Resp: 109014
 Ion Ratio Lower Upper
 65 100
 67 53.0 41.9 62.9



1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.830 min Scan# 942
 Delta R.T. 0.006 min
 Lab File: VX020062.D
 Acq: 16 Dec 2020 13:40

Tgt Ion: 114 Resp: 256126
 Ion Ratio Lower Upper
 114 100
 63 21.2 16.2 24.2
 88 16.6 13.0 19.6

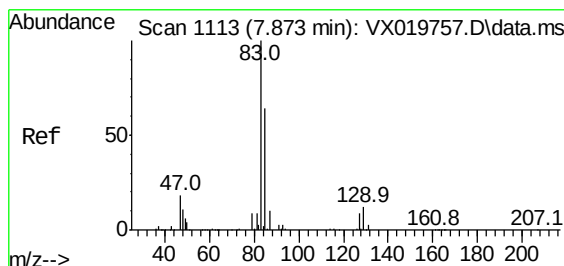
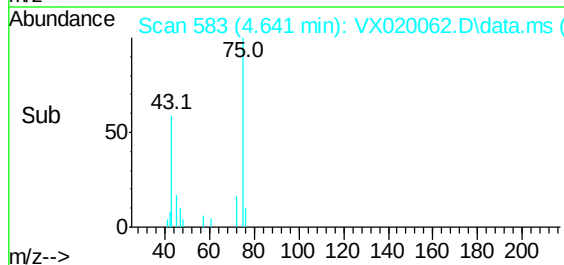
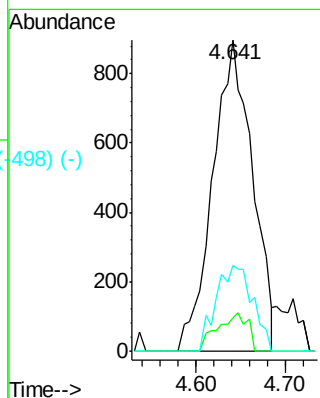
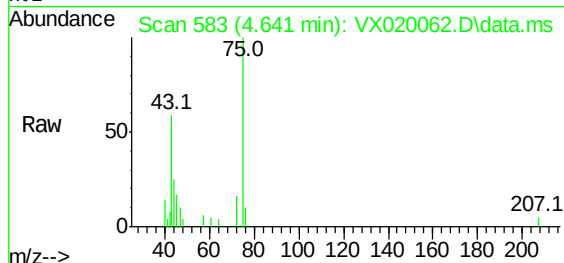




2-Butanone
Concen: 1.31 ug/l
RT: 4.641 min Scan# 583
Delta R.T. 0.018 min
Lab File: VX020062.D
Acq: 16 Dec 2020 13:40

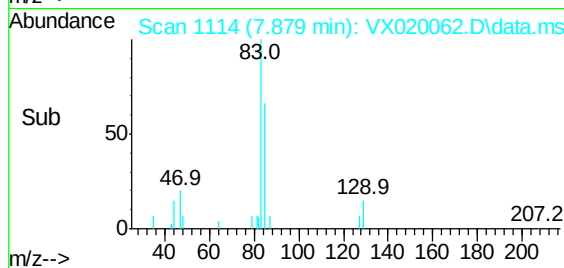
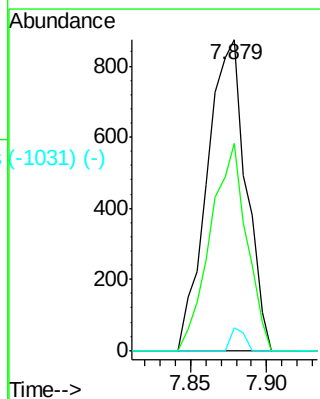
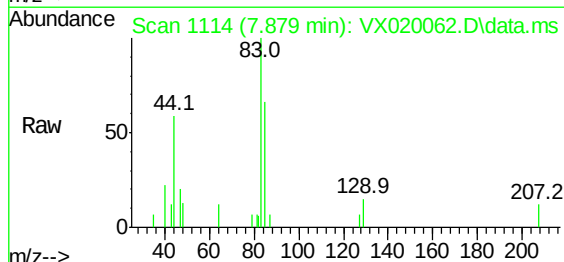
Instrument :
MSVOA_X
ClientSampled :
EFF-WW

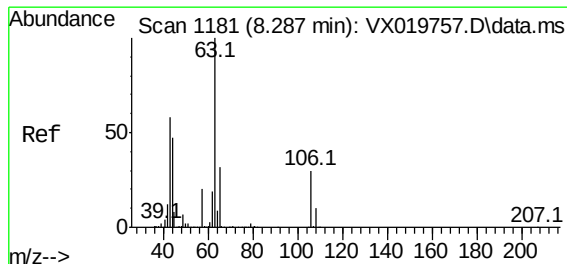
Tgt Ion: 43 Resp: 2749
Ion Ratio Lower Upper
43 100
57 7.1 7.2 10.8#
72 25.2 23.7 35.5



Bromodichloromethane
Concen: 0.37 ug/l
RT: 7.879 min Scan# 1114
Delta R.T. 0.006 min
Lab File: VX020062.D
Acq: 16 Dec 2020 13:40

Tgt Ion: 83 Resp: 1552
Ion Ratio Lower Upper
83 100
85 66.5 51.4 77.0
127 7.3 7.1 10.7

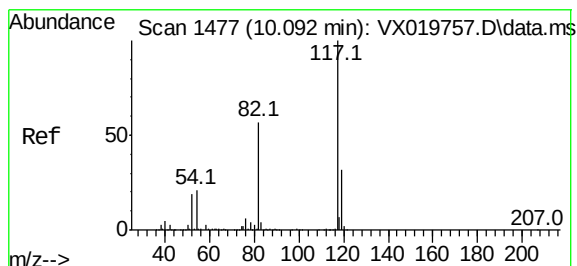
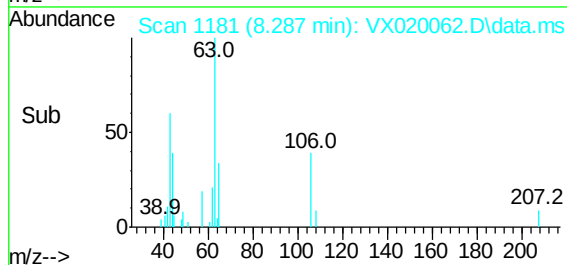
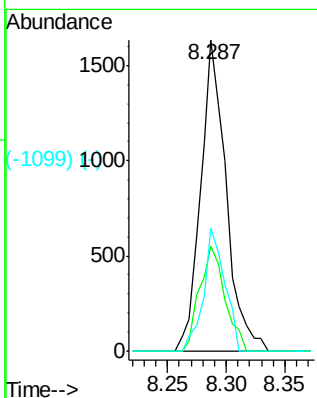
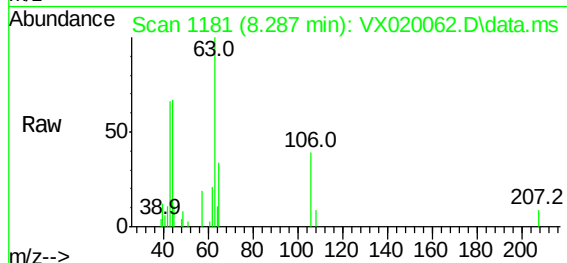




#553 (-)
2-Chloroethyl vinyl ether
Concen: 1.00 ug/l
RT: 8.287 min Scan# 1181
Delta R.T. -0.000 min
Lab File: VX020062.D
Acq: 16 Dec 2020 13:40

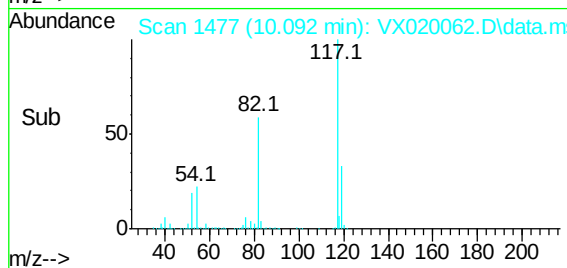
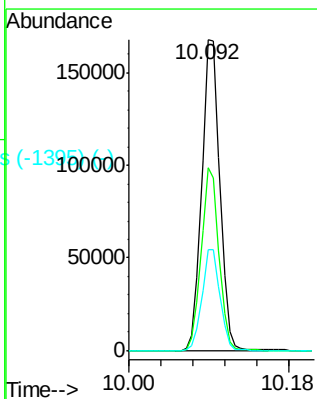
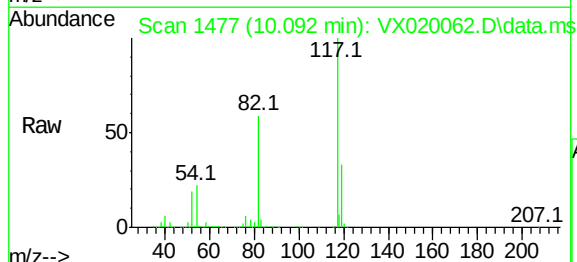
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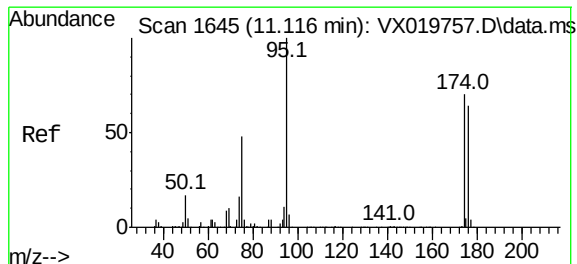
Tgt Ion: 63 Resp: 2472
Ion Ratio Lower Upper
63 100
65 33.5 25.9 38.9
106 32.8 23.9 35.9



#571 (-)
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020062.D
Acq: 16 Dec 2020 13:40

Tgt Ion: 117 Resp: 236782
Ion Ratio Lower Upper
117 100
82 57.3 45.0 67.6
119 32.3 25.6 38.4

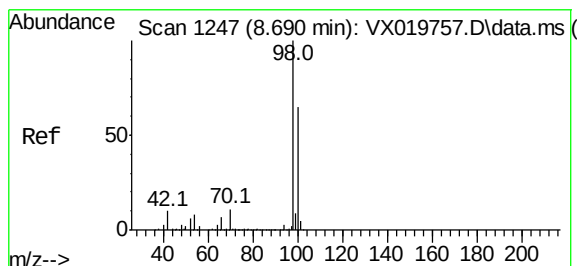
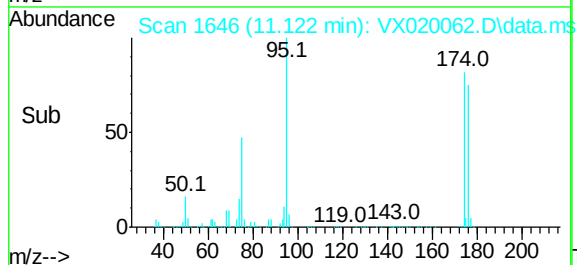
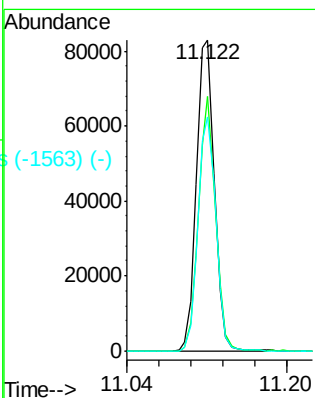
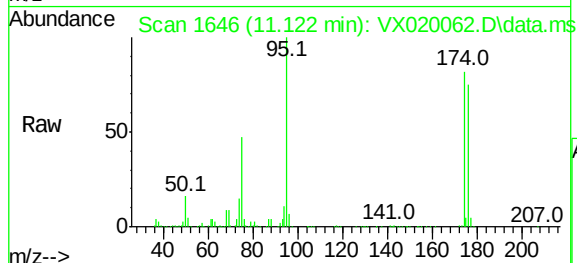




#640 (-)
4-Bromofluorobenzene
Concen: 27.03 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.006 min
Lab File: VX020062.D
Acq: 16 Dec 2020 13:40

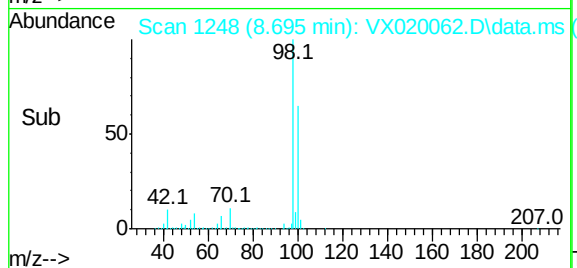
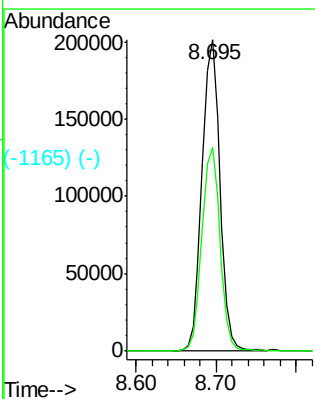
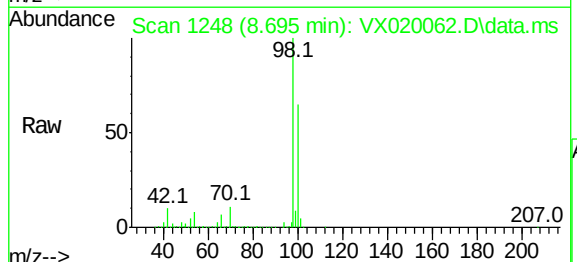
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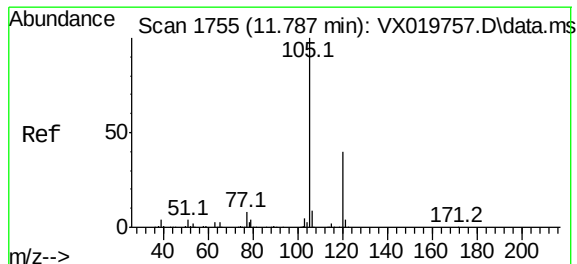
Tgt Ion:	95	Resp:	107465
Ion Ratio	Lower	Upper	
95	100		
174	76.6	63.0	94.4
176	74.2	59.9	89.9



#641 (-)
Toluene-d8
Concen: 30.10 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020062.D
Acq: 16 Dec 2020 13:40

Tgt Ion:	98	Resp:	312197
Ion Ratio	Lower	Upper	
98	100		
100	65.7	53.0	79.4





#1051 (-)
 1,2,4-Trimethylbenzene
 Concen: 0.27 ug/l
 RT: 11.792 min Scan# 1756
 Delta R.T. 0.006 min
 Lab File: VX020062.D
 Acq: 16 Dec 2020 13:40

Instrument :
 MSVOA_X
 ClientSampleId :
 EFF-WW

Tgt Ion:	105	Resp:	3270
Ion Ratio	Lower	Upper	
105	100		
120	5.2	0.0	89.8

