

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122820\
 Data File : VX020418.D
 Acq On : 28 Dec 2020 17:21
 Operator : JC/MD
 Sample : L5227-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 29 00:41:54 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)

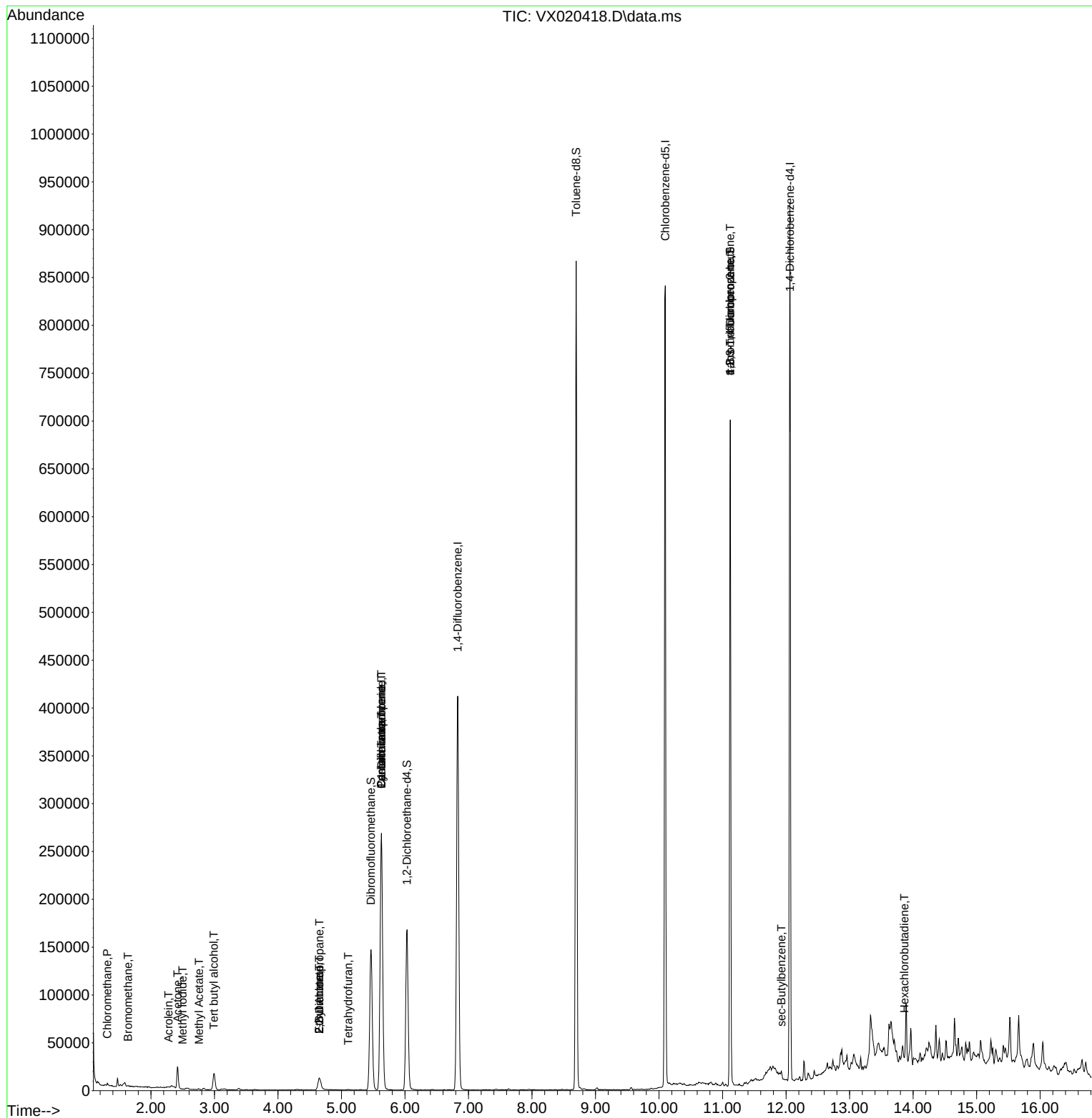
Internal Standards						
1) Pentafluorobenzene	5.629	168	260247	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	424584	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	398441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	187840	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	157334	45.10	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	90.20%
35) Dibromofluoromethane	5.464	113	129809	47.79	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.58%
50) Toluene-d8	8.695	98	514982	49.26	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.52%
62) 4-Bromofluorobenzene	11.122	95	199220	49.79	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.58%
Target Compounds						
					Qvalue	
3) Chloromethane	1.312	50	1448	0.44	ug/l	99
5) Bromomethane	1.636	94	441	0.39	ug/l	83
10) Methyl Iodide	2.495	142	191	3.34	ug/l #	42
11) Tert butyl alcohol	2.989	59	11487	14.70	ug/l #	73
13) Acrolein	2.276	56	251	0.51	ug/l #	15
16) Acetone	2.416	43	23935	15.05	ug/l	95
18) Methyl Acetate	2.757	43	1059	0.30	ug/l	93
25) 2-Butanone	4.647	43	3417	1.48	ug/l #	88
26) 2,2-Dichloropropane	4.653	77	946	0.20	ug/l #	52
29) Tetrahydrofuran	5.104	42	527	0.36	ug/l #	48
31) Cyclohexane	5.629	56	4836	1.01	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	19525	4.65	ug/l #	48
37) Ethyl Acetate	4.647	43	3417	0.78	ug/l #	80
38) Carbon Tetrachloride	5.629	117	25462	6.38	ug/l #	16
76) 1,2,3-Trichloropropane	11.122	75	93485	20.20	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	93485	59.94	ug/l #	12
85) sec-Butylbenzene	11.926	105	3037	0.24	ug/l	86
94) Hexachlorobutadiene	13.865	225	46	2.67	ug/l #	19

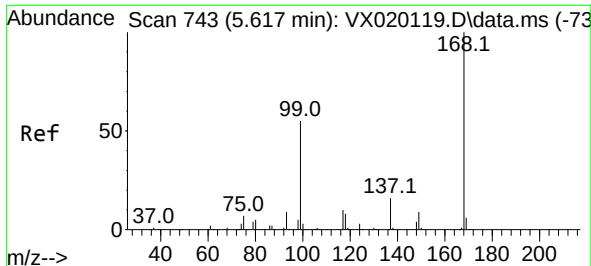
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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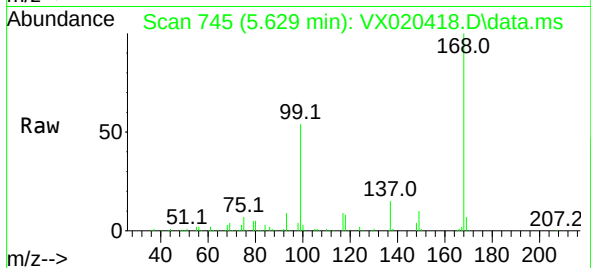
Quant Time: Dec 29 00:41:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
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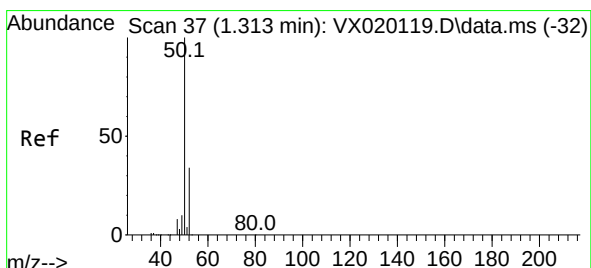
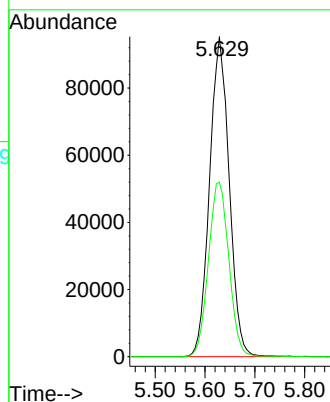
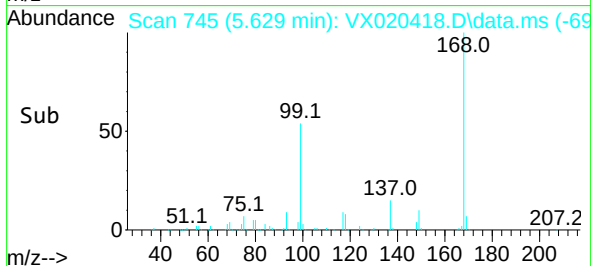


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020418.D
Acq: 28 Dec 2020 17:21

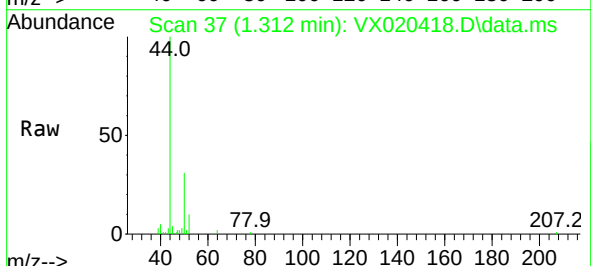
Instrument :
MSVOA_X
ClientSampled :



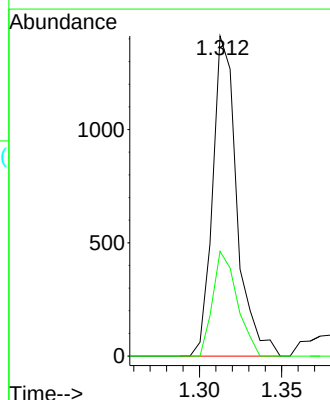
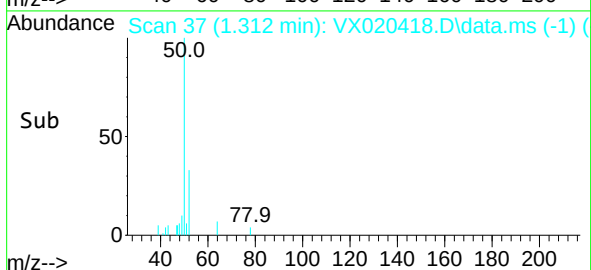
Tgt Ion:168 Resp: 260247
Ion Ratio Lower Upper
168 100
99 54.5 45.8 68.6

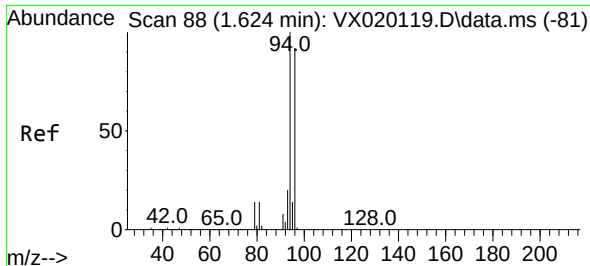


#3
Chloromethane
Concen: 0.44 ug/l
RT: 1.312 min Scan# 37
Delta R.T. -0.001 min
Lab File: VX020418.D
Acq: 28 Dec 2020 17:21



Tgt Ion: 50 Resp: 1448
Ion Ratio Lower Upper
50 100
52 32.7 26.4 39.6

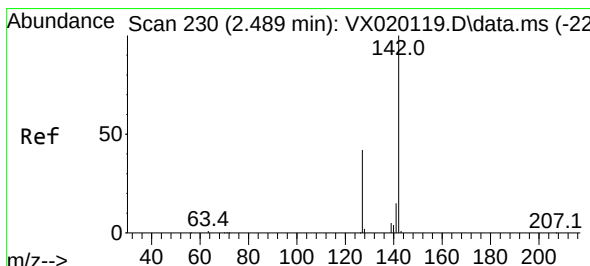
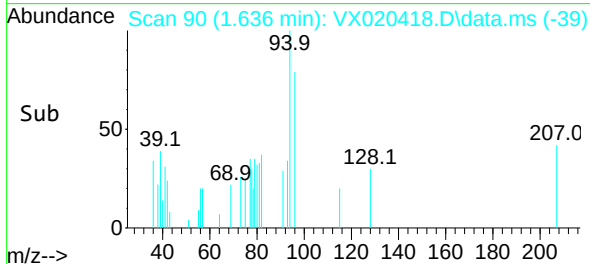
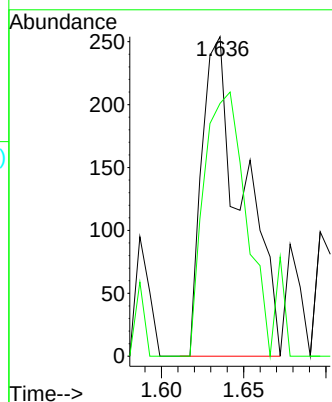
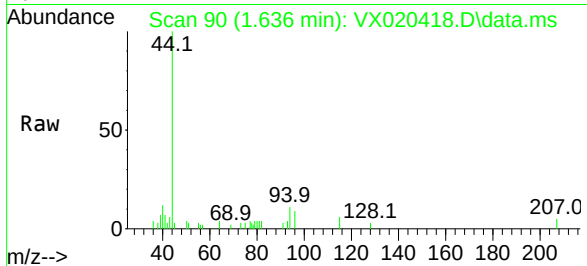




#5
Bromomethane
Concen: 0.39 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX020418.D
Acq: 28 Dec 2020 17:21

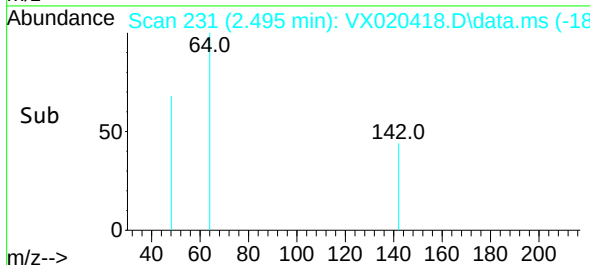
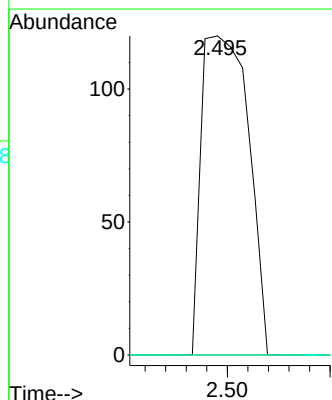
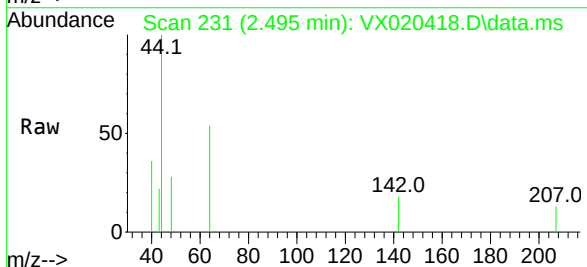
Instrument :
MSVOA_X
ClientSampled :

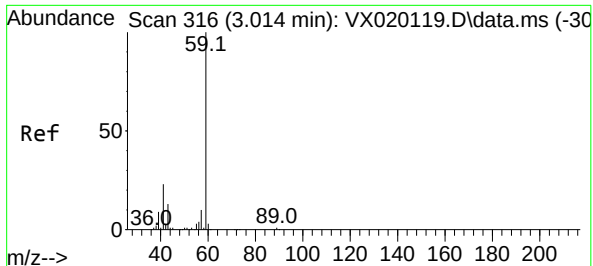
Tgt Ion: 94 Resp: 441
Ion Ratio Lower Upper
94 100
96 79.1 76.4 114.6



#10
Methyl Iodide
Concen: 3.34 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020418.D
Acq: 28 Dec 2020 17:21

Tgt Ion: 142 Resp: 191
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#

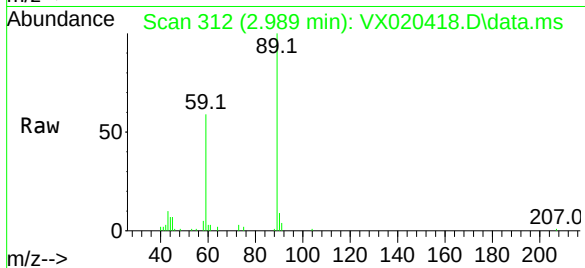




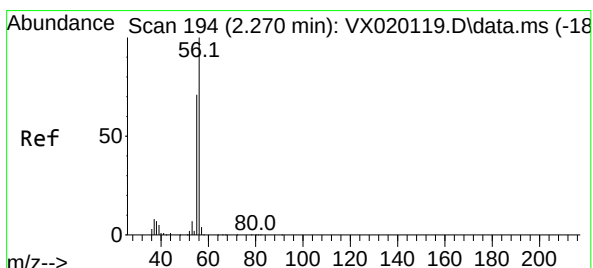
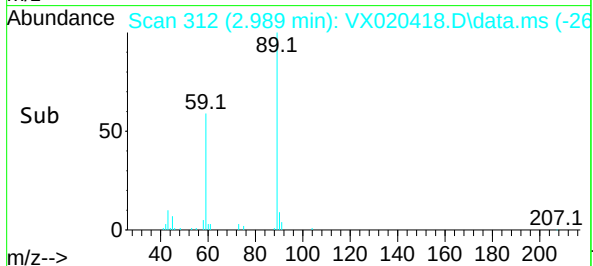
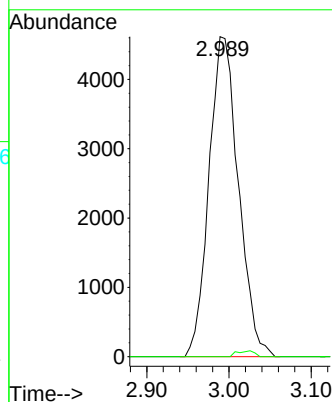
#11

Tert butyl alcohol
Concen: 14.70 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.025 min
Lab File: VX020418.D
Acq: 28 Dec 2020 17:21

Instrument :
MSVOA_X
ClientSampleId :



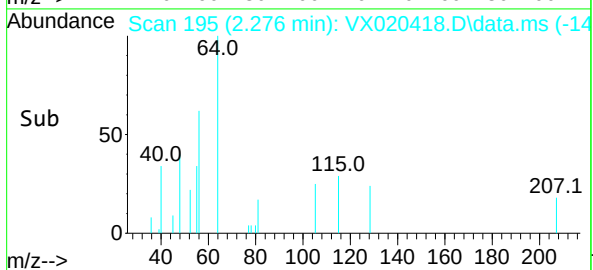
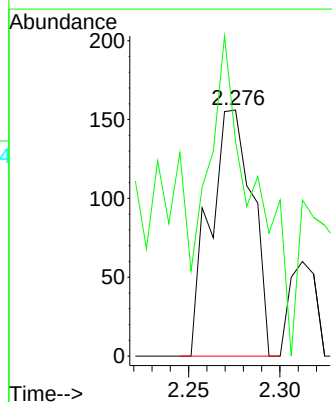
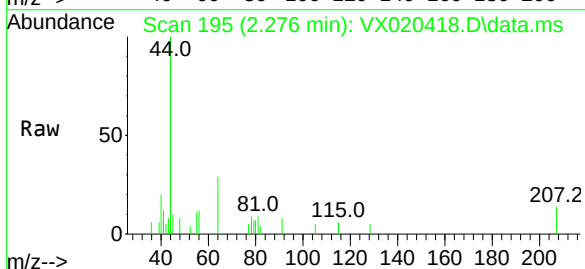
Tgt Ion: 59 Resp: 11487
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

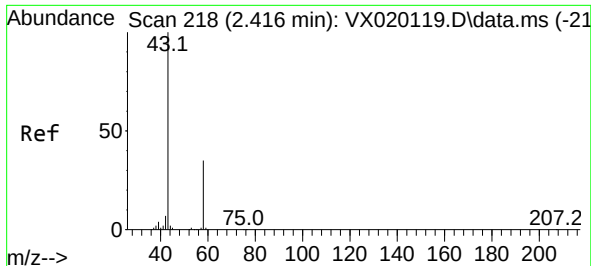


#13

Acrolein
Concen: 0.51 ug/l
RT: 2.276 min Scan# 195
Delta R.T. 0.006 min
Lab File: VX020418.D
Acq: 28 Dec 2020 17:21

Tgt Ion: 56 Resp: 251
Ion Ratio Lower Upper
56 100
55 140.2 56.4 84.6#

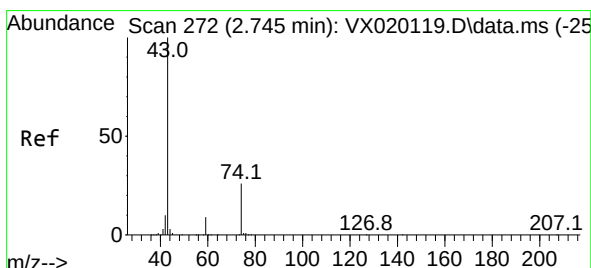
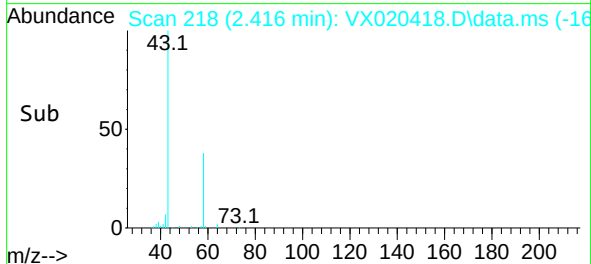
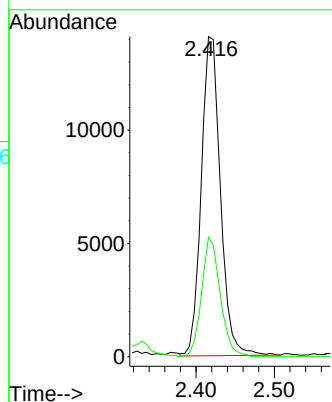
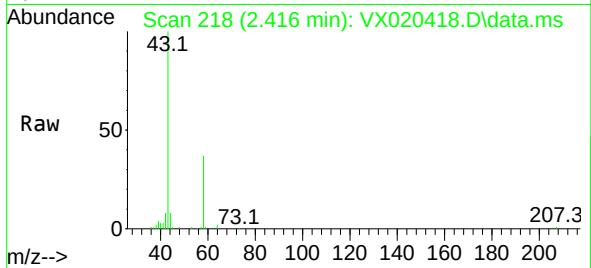




#16
Acetone
Concen: 15.05 ug/l
RT: 2.416 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX020418.D
Acq: 28 Dec 2020 17:21

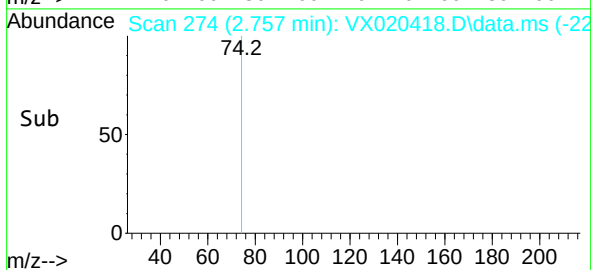
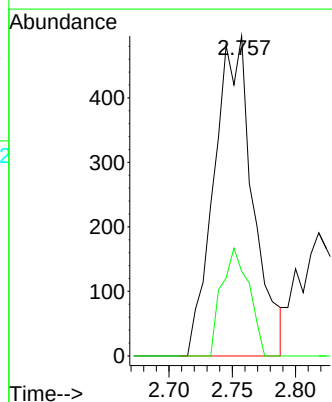
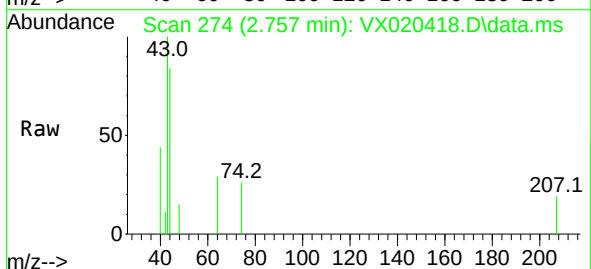
Instrument :
MSVOA_X
ClientSampleId :

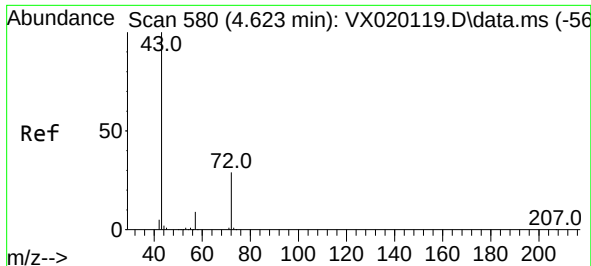
Tgt Ion: 43 Resp: 23935
Ion Ratio Lower Upper
43 100
58 37.5 27.8 41.8



#18
Methyl Acetate
Concen: 0.30 ug/l
RT: 2.757 min Scan# 274
Delta R.T. 0.012 min
Lab File: VX020418.D
Acq: 28 Dec 2020 17:21

Tgt Ion: 43 Resp: 1059
Ion Ratio Lower Upper
43 100
74 23.7 21.9 32.9

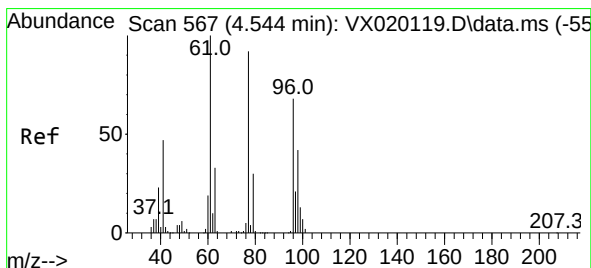
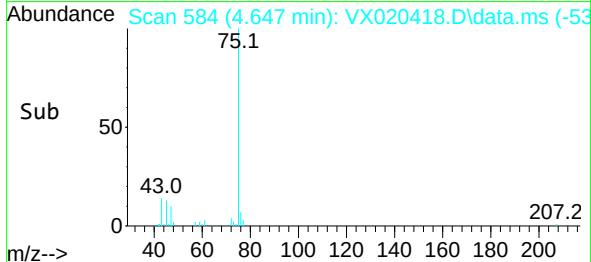
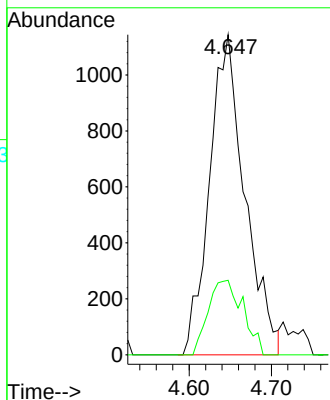
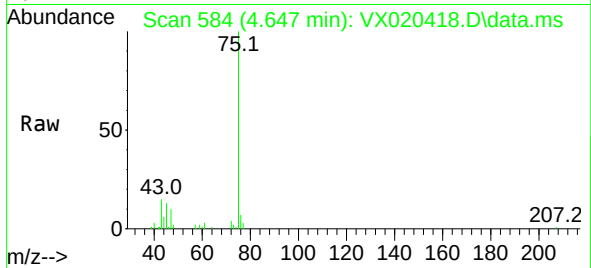




#25
2-Butanone
Concen: 1.48 ug/l
RT: 4.647 min Scan# 584
Delta R.T. 0.024 min
Lab File: VX020418.D
Acq: 28 Dec 2020 17:21

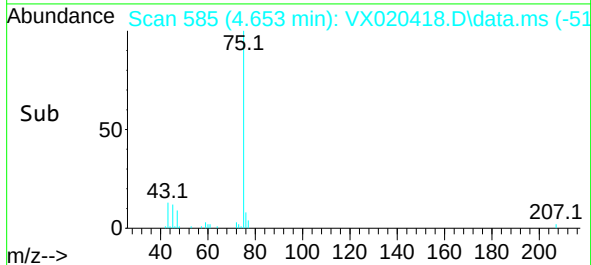
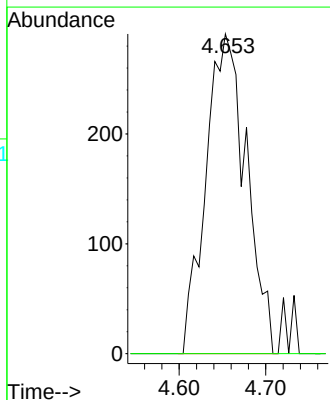
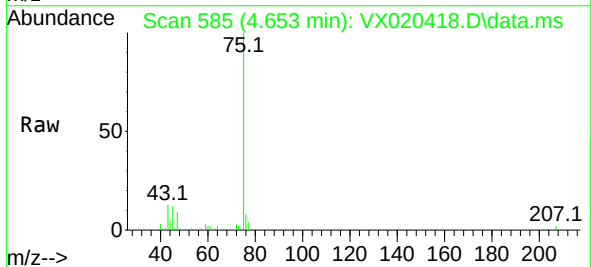
Instrument :
MSVOA_X
ClientSampled :

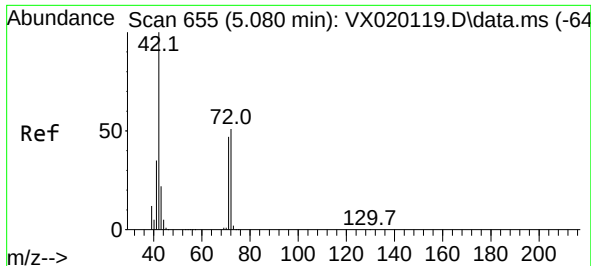
Tgt Ion: 43 Resp: 3417
Ion Ratio Lower Upper
43 100
72 23.3 23.7 35.5#



#26
2,2-Dichloropropane
Concen: 0.20 ug/l
RT: 4.653 min Scan# 585
Delta R.T. 0.109 min
Lab File: VX020418.D
Acq: 28 Dec 2020 17:21

Tgt Ion: 77 Resp: 946
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.1#





#29

Tetrahydrofuran

Concen: 0.36 ug/l

RT: 5.104 min Scan# 659

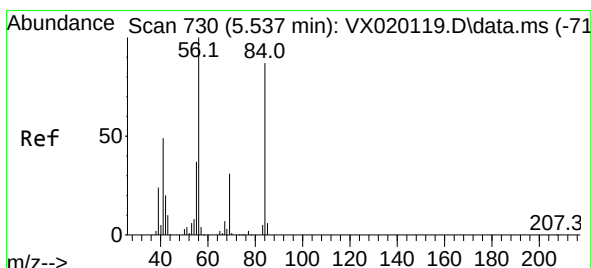
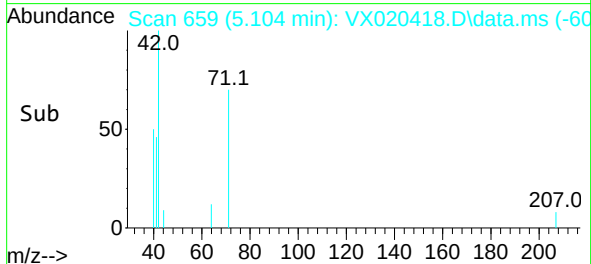
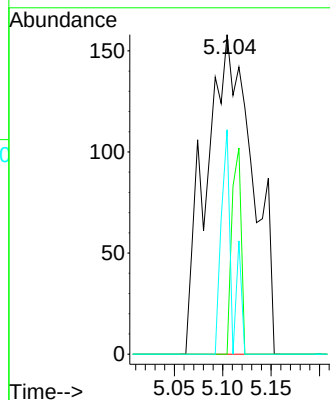
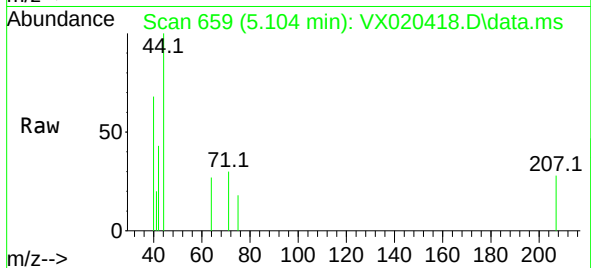
Delta R.T. 0.024 min

Lab File: VX020418.D

Acq: 28 Dec 2020 17:21

Tgt Ion:	42	Resp:	527
Ion	Ratio	Lower	Upper
42	100		
72	12.9	41.7	62.5#
71	16.3	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :



#31

Cyclohexane

Concen: 1.01 ug/l

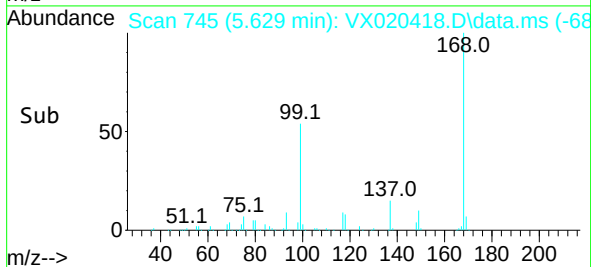
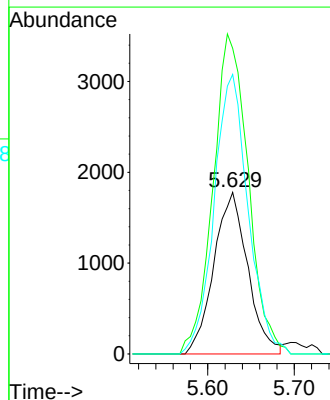
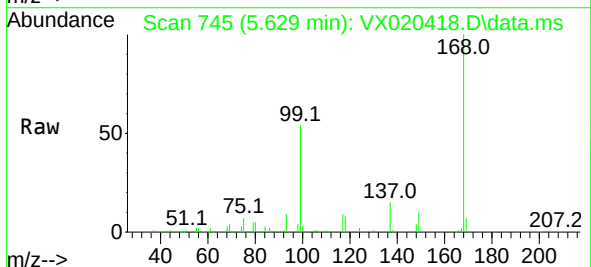
RT: 5.629 min Scan# 745

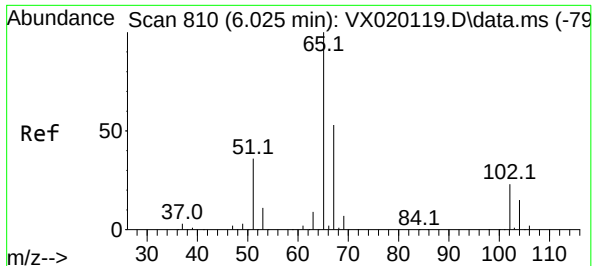
Delta R.T. 0.092 min

Lab File: VX020418.D

Acq: 28 Dec 2020 17:21

Tgt Ion:	56	Resp:	4836
Ion	Ratio	Lower	Upper
56	100		
69	189.2	25.3	37.9#
84	173.0	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 45.10 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020418.D

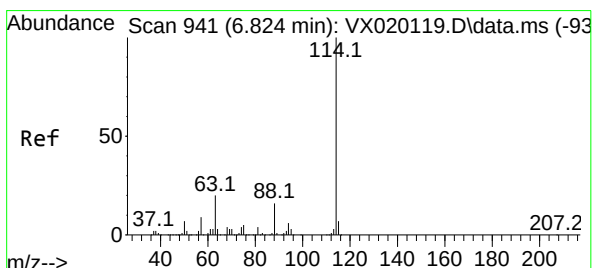
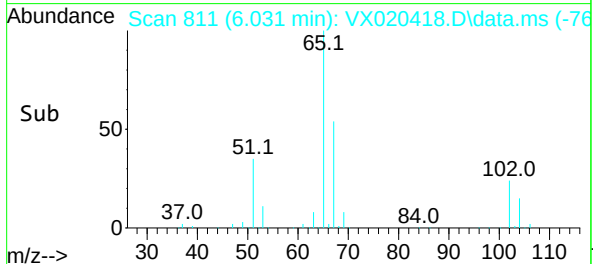
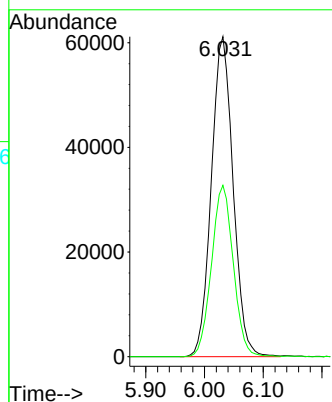
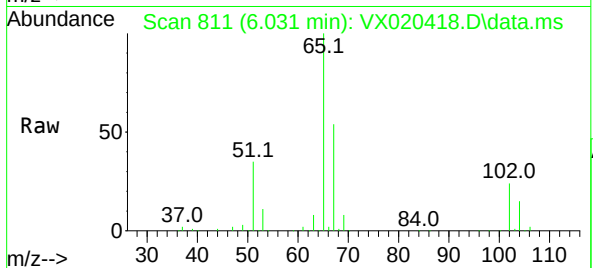
Acq: 28 Dec 2020 17:21

Tgt Ion: 65 Resp: 157334

Ion Ratio Lower Upper

65 100

67 53.6 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: VX020418.D

Acq: 28 Dec 2020 17:21

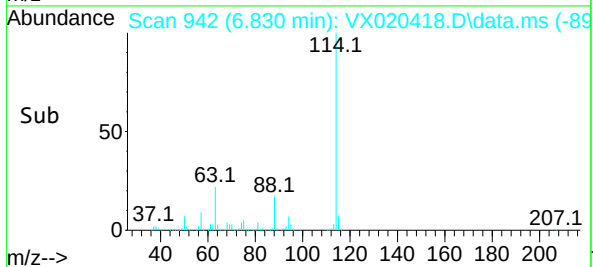
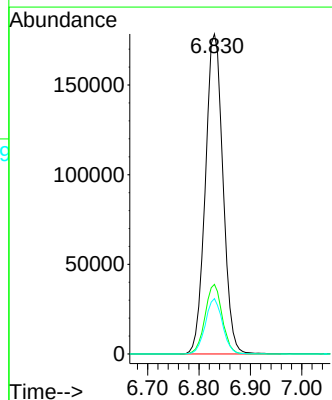
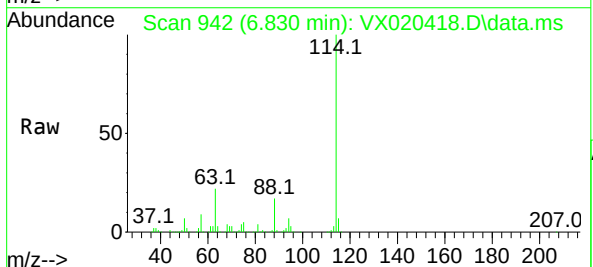
Tgt Ion: 114 Resp: 424584

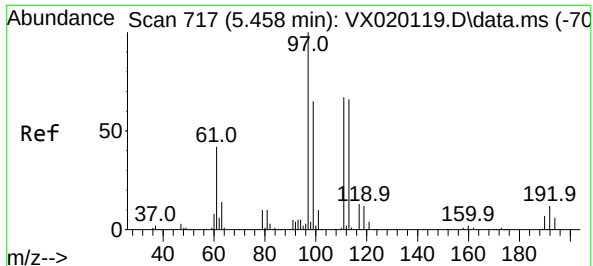
Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.8

88 17.3 0.0 32.8

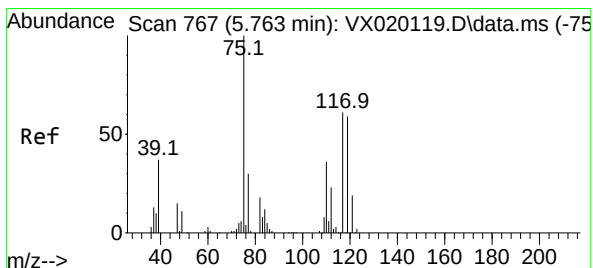
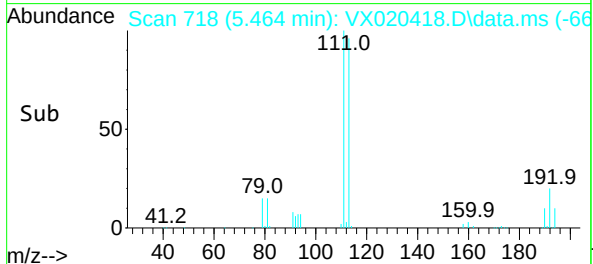
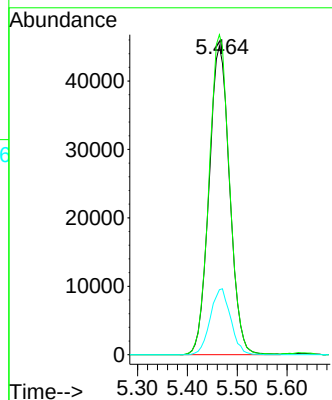
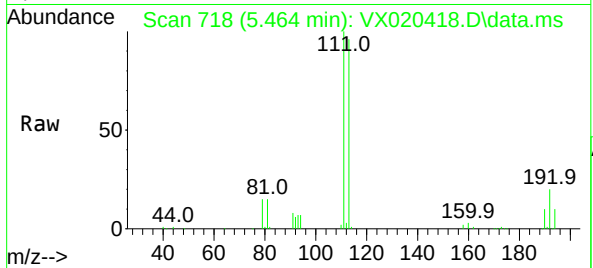




#35
Dibromofluoromethane
Concen: 47.79 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020418.D
Acq: 28 Dec 2020 17:21

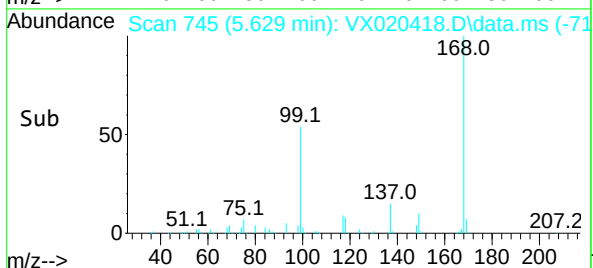
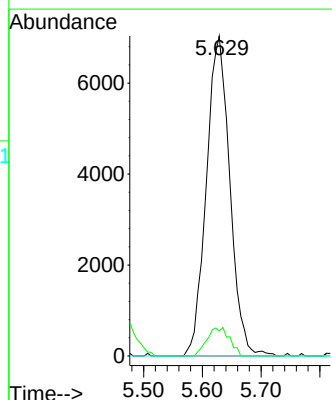
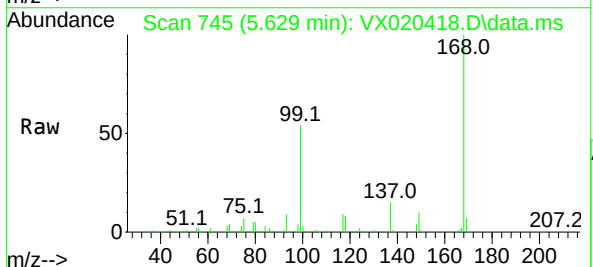
Instrument :
MSVOA_X
ClientSampleId :

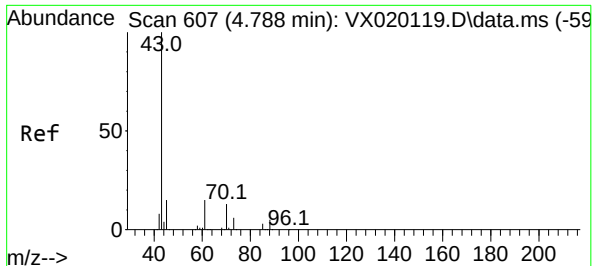
Tgt Ion:113 Resp: 129809
Ion Ratio Lower Upper
113 100
111 102.6 81.9 122.9
192 21.0 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.65 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020418.D
Acq: 28 Dec 2020 17:21

Tgt Ion: 75 Resp: 19525
Ion Ratio Lower Upper
75 100
110 8.5 18.1 54.4#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 0.78 ug/l

RT: 4.647 min Scan# 584

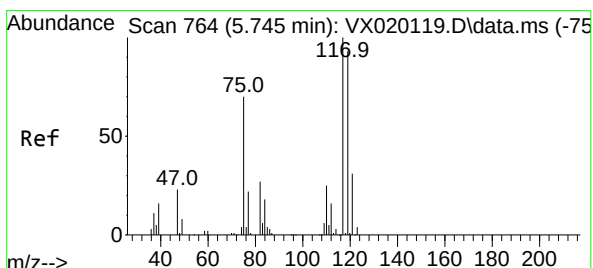
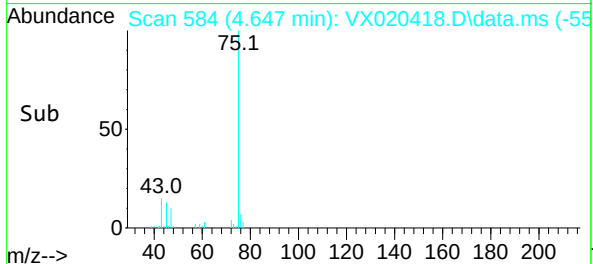
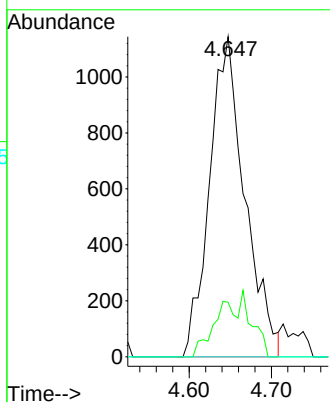
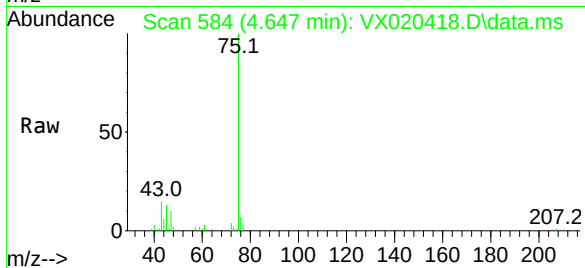
Delta R.T. -0.141 min

Lab File: VX020418.D

Acq: 28 Dec 2020 17:21

Tgt Ion:	43	Resp:	3417
Ion	Ratio	Lower	Upper
43	100		
61	11.8	12.8	19.2#
70	0.0	10.5	15.7#

Instrument :
MSVOA_X
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.38 ug/l

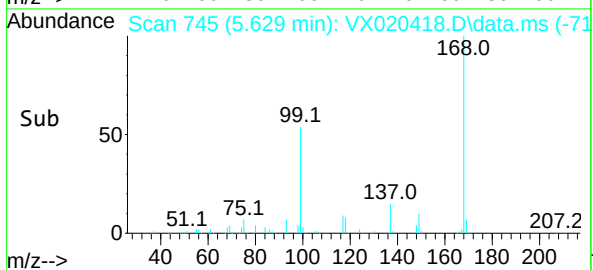
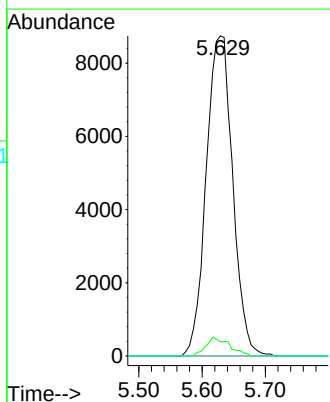
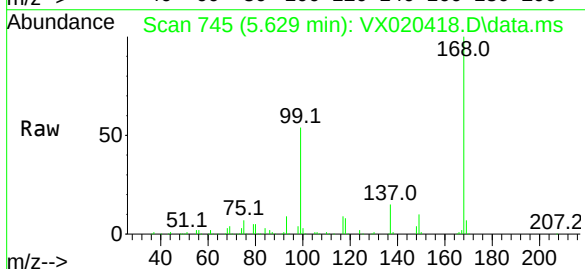
RT: 5.629 min Scan# 745

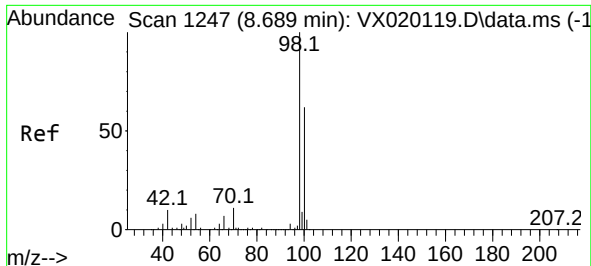
Delta R.T. -0.116 min

Lab File: VX020418.D

Acq: 28 Dec 2020 17:21

Tgt Ion:	117	Resp:	25462
Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.2	114.2#
121	0.0	24.8	37.2#

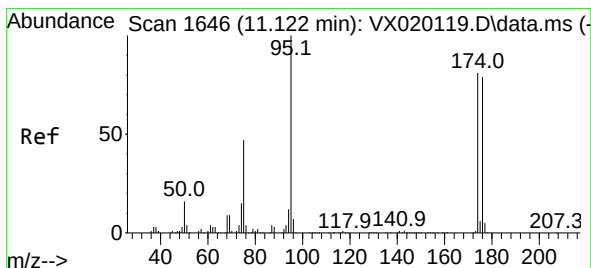
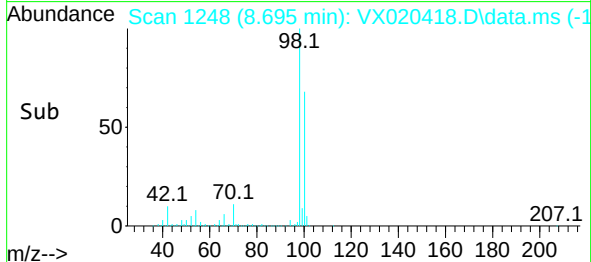
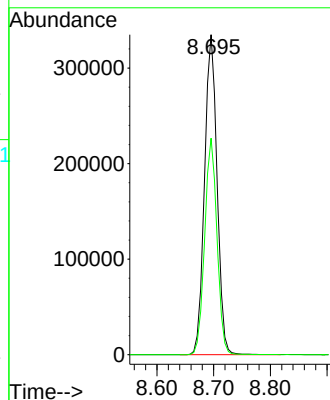
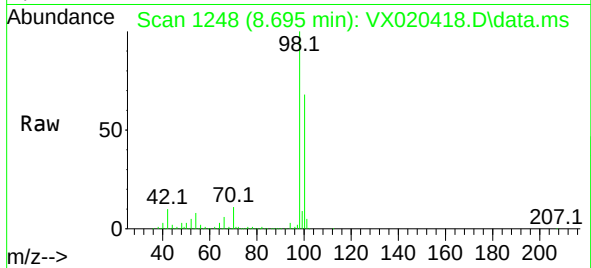




#50
Toluene-d8
Concen: 49.26 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020418.D
Acq: 28 Dec 2020 17:21

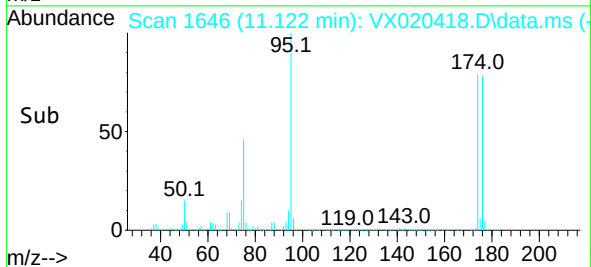
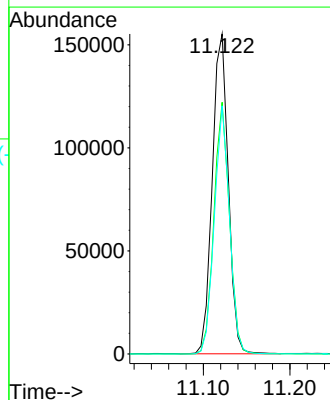
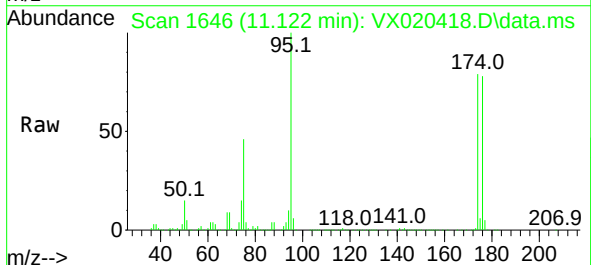
Instrument :
MSVOA_X
ClientSampled :

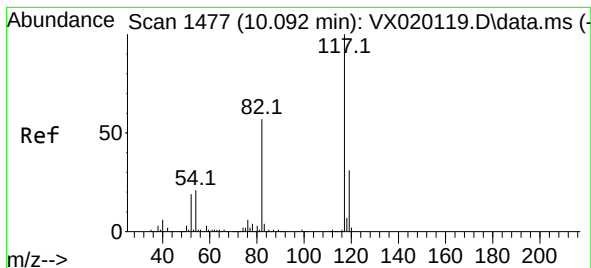
Tgt Ion: 98 Resp: 514982
Ion Ratio Lower Upper
98 100
100 66.4 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 49.79 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020418.D
Acq: 28 Dec 2020 17:21

Tgt Ion: 95 Resp: 199220
Ion Ratio Lower Upper
95 100
174 76.1 0.0 154.6
176 73.6 0.0 155.8

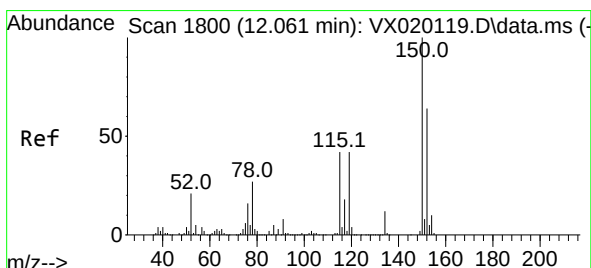
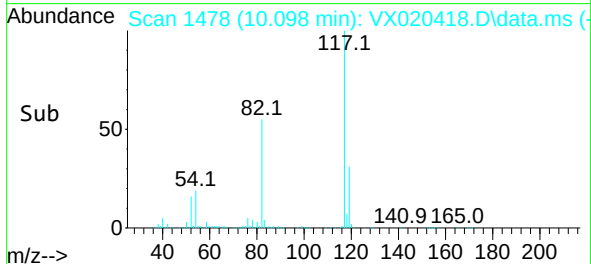
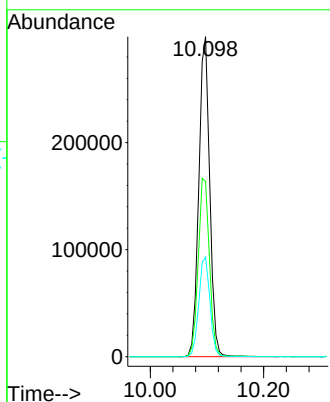
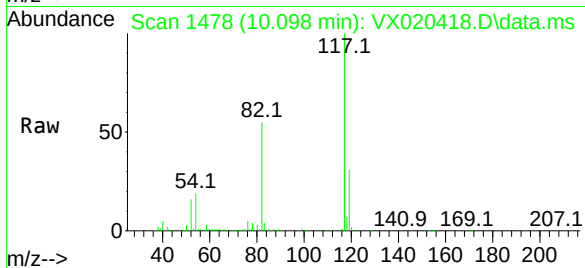




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.005 min
Lab File: VX020418.D
Acq: 28 Dec 2020 17:21

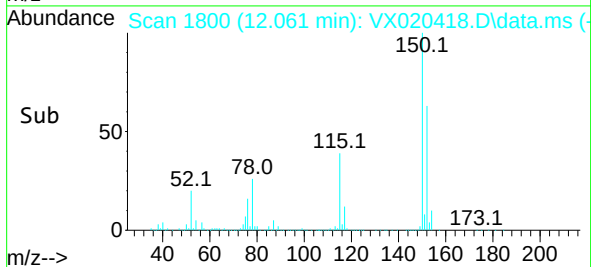
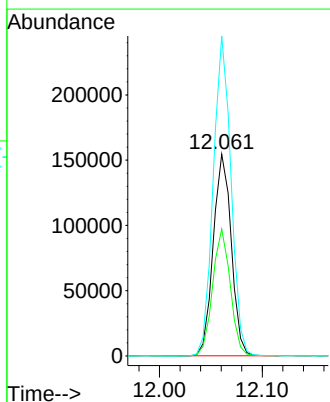
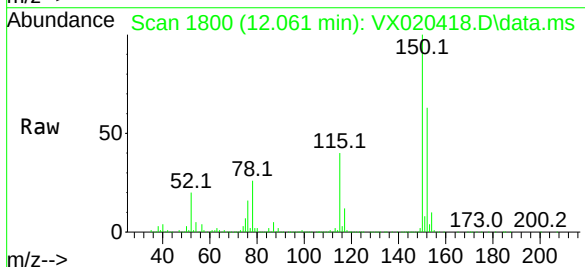
Instrument :
MSVOA_X
ClientSampleId :

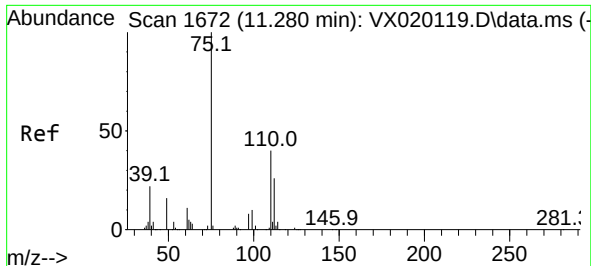
Tgt Ion:117 Resp: 398441
Ion Ratio Lower Upper
117 100
82 54.8 47.4 71.2
119 31.2 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020418.D
Acq: 28 Dec 2020 17:21

Tgt Ion:152 Resp: 187840
Ion Ratio Lower Upper
152 100
115 61.4 41.1 123.3
150 156.0 0.0 349.0

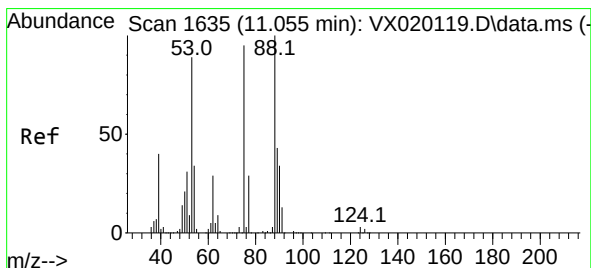
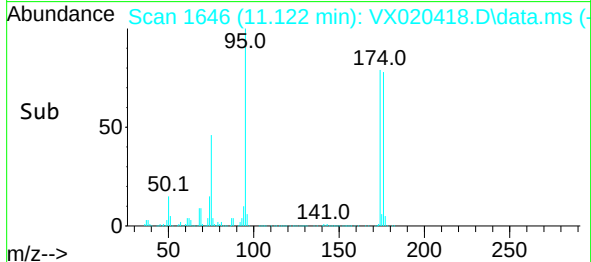
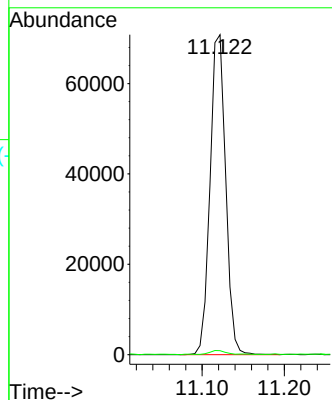
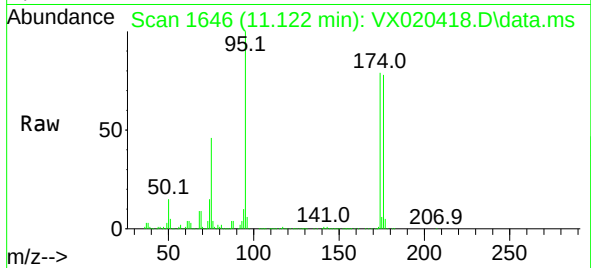




#76
1,2,3-Trichloropropane
Concen: 20.20 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020418.D
Acq: 28 Dec 2020 17:21

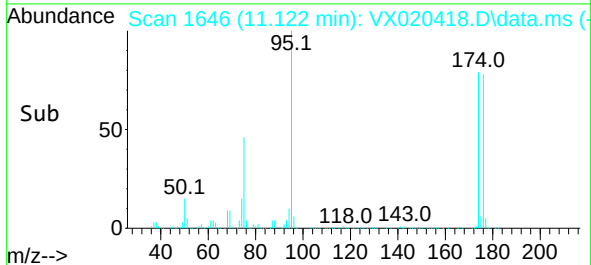
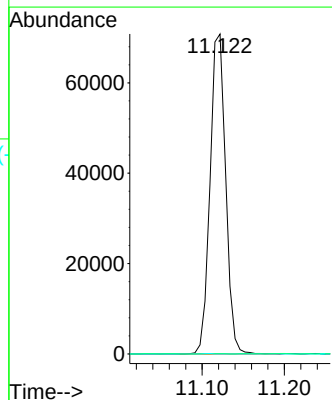
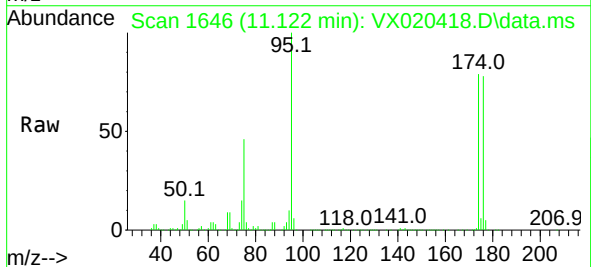
Instrument :
MSVOA_X
ClientSampled :

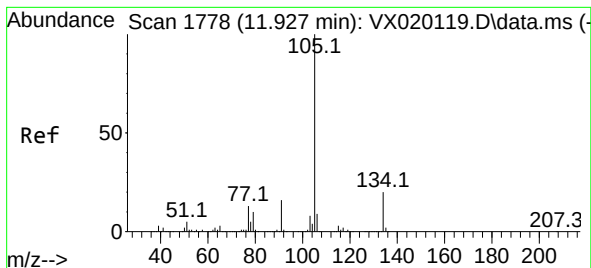
Tgt Ion: 75 Resp: 93485
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.94 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020418.D
Acq: 28 Dec 2020 17:21

Tgt Ion: 75 Resp: 93485
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.1 37.9 56.9#

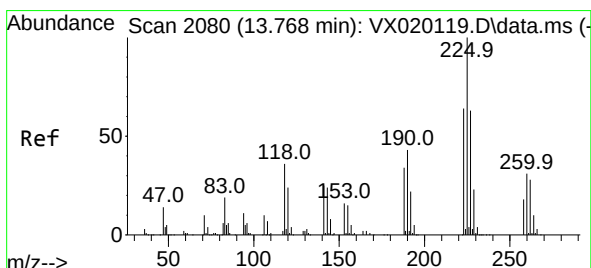
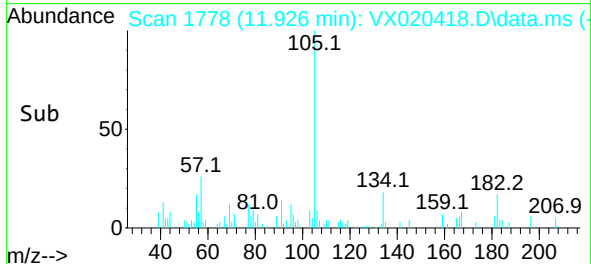
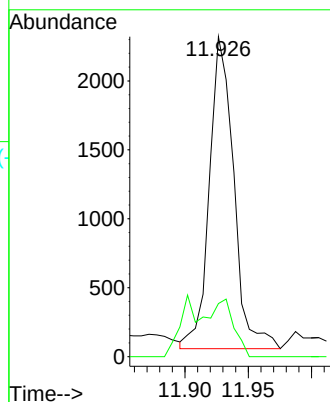
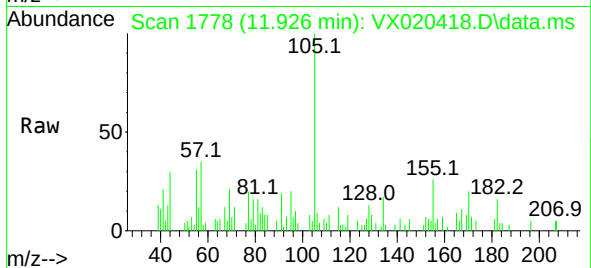




#85
 sec-Butylbenzene
 Concen: 0.24 ug/l
 RT: 11.926 min Scan# 1778
 Delta R.T. -0.001 min
 Lab File: VX020418.D
 Acq: 28 Dec 2020 17:21

Instrument :
 MSVOA_X
 ClientSampled :

Tgt Ion:105 Resp: 3037
 Ion Ratio Lower Upper
 105 100
 134 13.6 10.0 29.8



#94
 Hexachlorobutadiene
 Concen: 2.67 ug/l
 RT: 13.865 min Scan# 2096
 Delta R.T. 0.097 min
 Lab File: VX020418.D
 Acq: 28 Dec 2020 17:21

Tgt Ion:225 Resp: 46
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.1 93.2#
 227 0.0 31.6 95.0#

