

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122920\
 Data File : VX020428.D
 Acq On : 29 Dec 2020 12:48
 Operator : JC/MD
 Sample : L5236-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1025-FB122820

Quant Time: Dec 30 02:35:49 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)

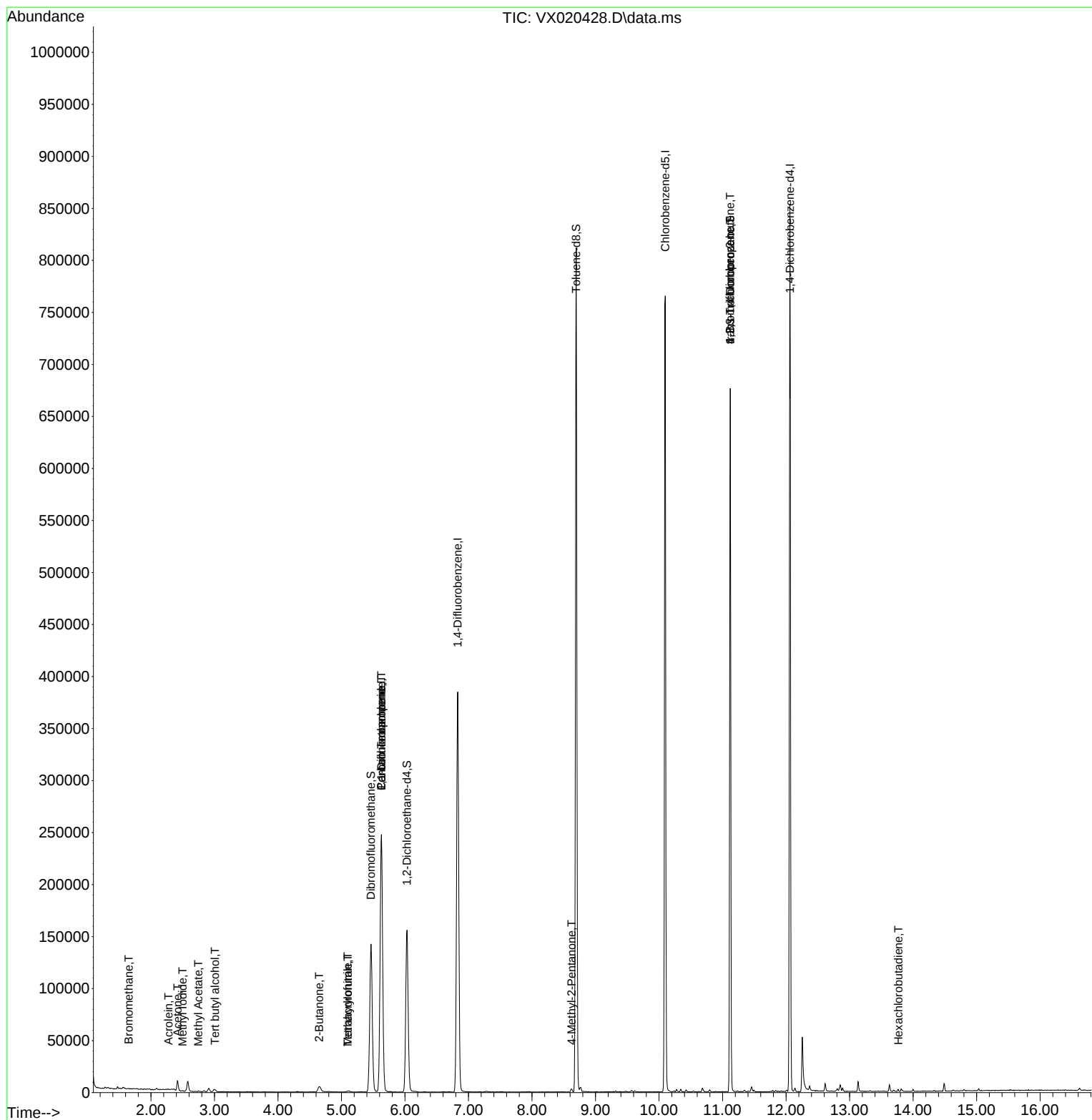
Internal Standards						
1) Pentafluorobenzene	5.629	168	244475	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	396891	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	374615	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	176837	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	147062	44.88	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	89.76%		
35) Dibromofluoromethane	5.464	113	123044	48.46	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.92%		
50) Toluene-d8	8.696	98	483272	49.45	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.90%		
62) 4-Bromofluorobenzene	11.122	95	180104	48.15	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.30%		
Target Compounds					Qvalue	
5) Bromomethane	1.648	94	282	0.26	ug/l #	80
10) Methyl Iodide	2.495	142	653	3.47	ug/l #	86
11) Tert butyl alcohol	3.008	59	2467	3.36	ug/l #	89
13) Acrolein	2.276	56	215	0.47	ug/l #	35
16) Acetone	2.416	43	9748	6.52	ug/l	97
18) Methyl Acetate	2.745	43	678	0.20	ug/l #	70
25) 2-Butanone	4.648	43	2047	0.94	ug/l #	75
29) Tetrahydrofuran	5.099	42	949	0.69	ug/l #	73
36) 1,1-Dichloropropene	5.629	75	17735	4.52	ug/l #	48
38) Carbon Tetrachloride	5.629	117	23148	6.20	ug/l #	18
41) Methacrylonitrile	5.099	41	504	0.23	ug/l #	44
51) 4-Methyl-2-Pentanone	8.622	43	1984	0.50	ug/l	94
76) 1,2,3-Trichloropropane	11.122	75	85176	19.55	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	85176	58.01	ug/l #	12
94) Hexachlorobutadiene	13.768	225	382	2.87	ug/l	87

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

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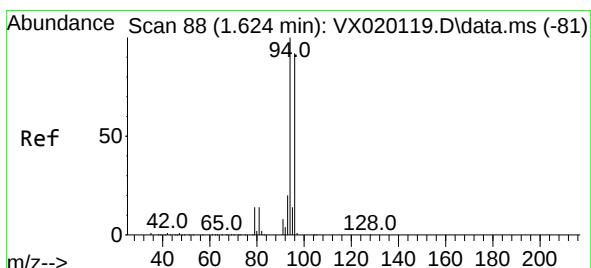
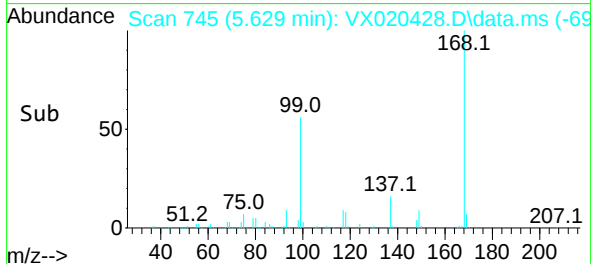
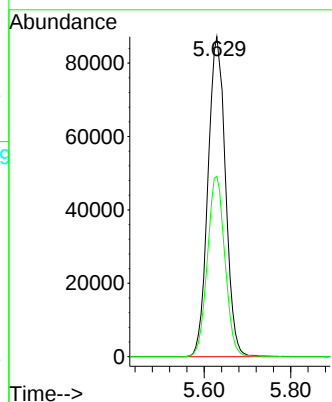
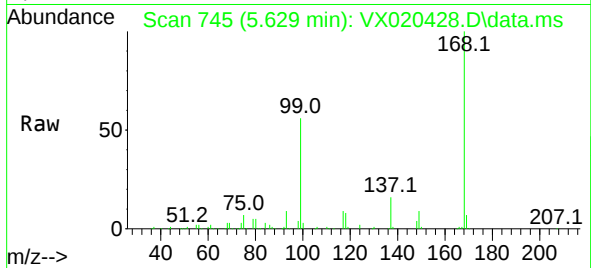




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020428.D
Acq: 29 Dec 2020 12:48

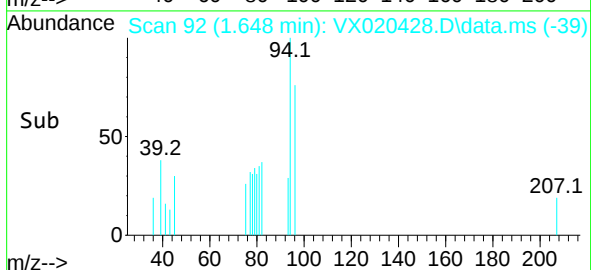
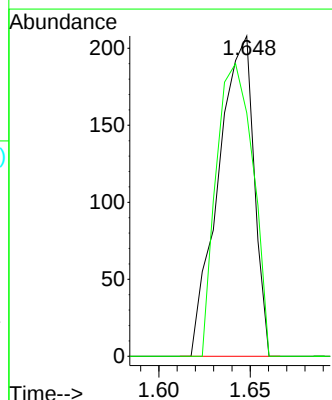
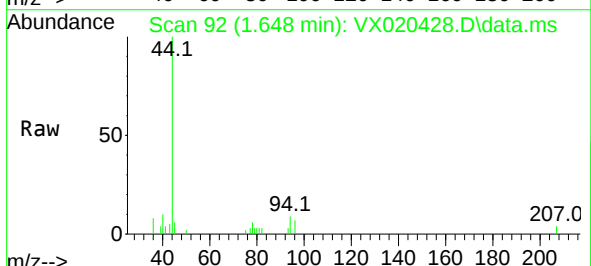
Instrument :
MSVOA_X
ClientSampleId :
1025-FB122820

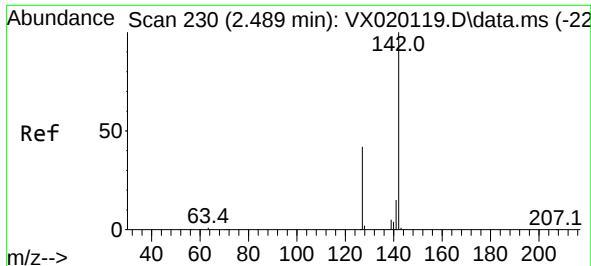
Tgt Ion:168 Resp: 244475
Ion Ratio Lower Upper
168 100
99 56.3 45.8 68.6



#5
Bromomethane
Concen: 0.26 ug/l
RT: 1.648 min Scan# 92
Delta R.T. 0.024 min
Lab File: VX020428.D
Acq: 29 Dec 2020 12:48

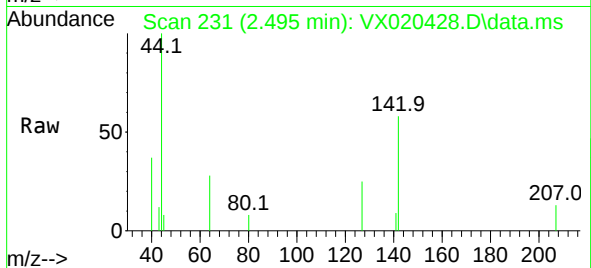
Tgt Ion: 94 Resp: 282
Ion Ratio Lower Upper
94 100
96 76.0 76.4 114.6#



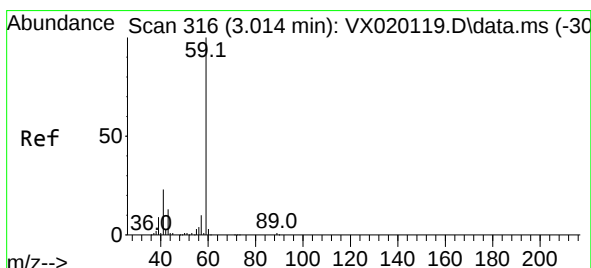
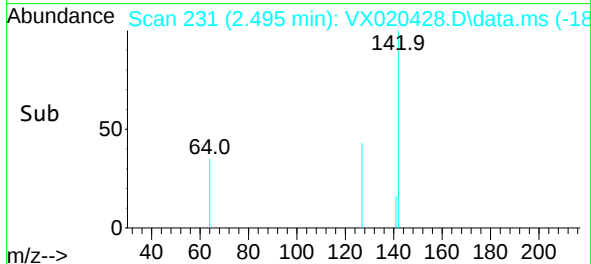
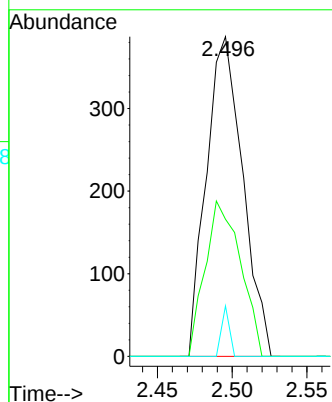


#10
Methyl Iodide
Concen: 3.47 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020428.D
Acq: 29 Dec 2020 12:48

Instrument :
MSVOA_X
ClientSampleId :
1025-FB122820

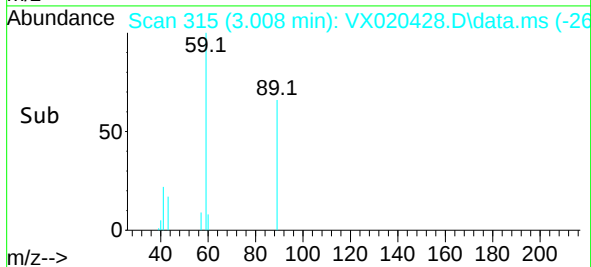
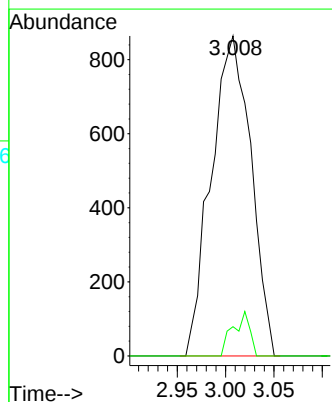
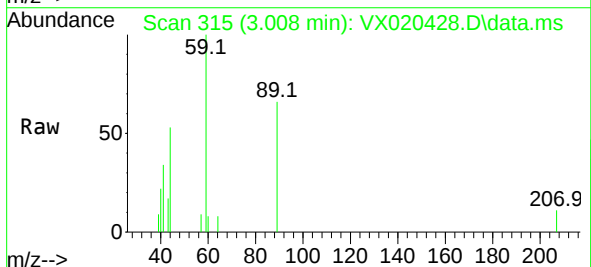


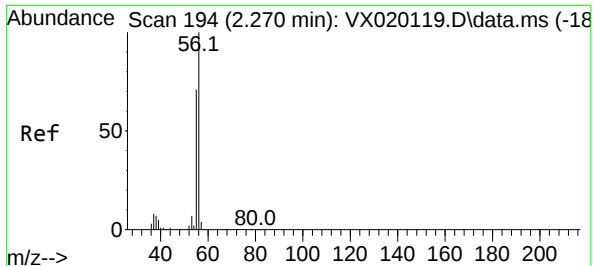
Tgt Ion:142 Resp: 653
Ion Ratio Lower Upper
142 100
127 47.3 33.3 49.9
141 3.4 11.4 17.0#



#11
Tert butyl alcohol
Concen: 3.36 ug/l
RT: 3.008 min Scan# 315
Delta R.T. -0.006 min
Lab File: VX020428.D
Acq: 29 Dec 2020 12:48

Tgt Ion: 59 Resp: 2467
Ion Ratio Lower Upper
59 100
57 5.9 7.8 11.8#

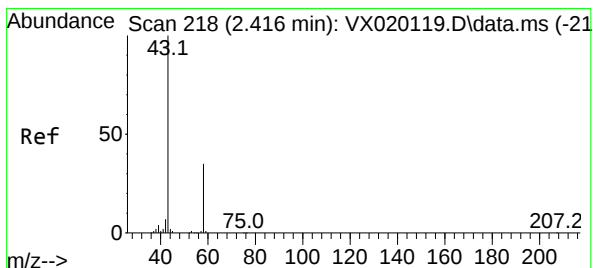
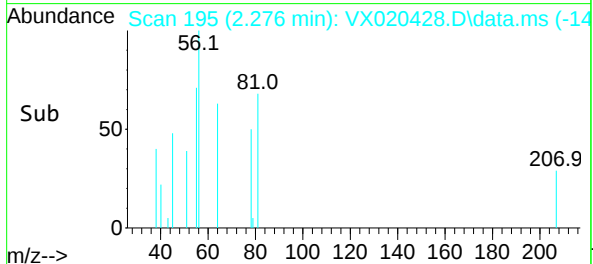
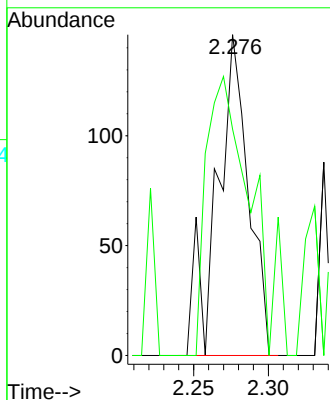
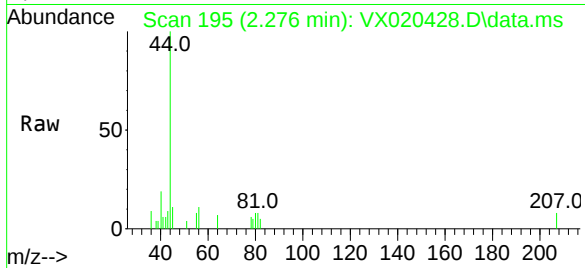




#13
Acrolein
Concen: 0.47 ug/l
RT: 2.276 min Scan# 195
Delta R.T. 0.006 min
Lab File: VX020428.D
Acq: 29 Dec 2020 12:48

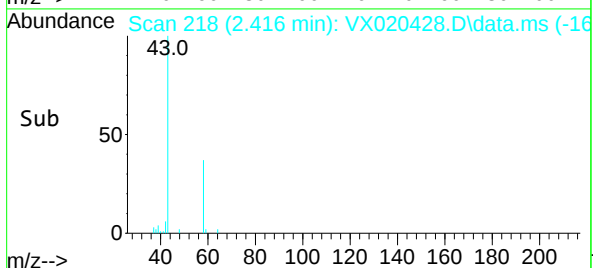
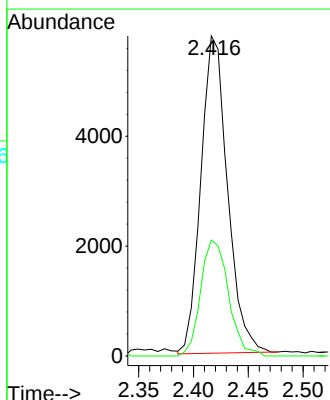
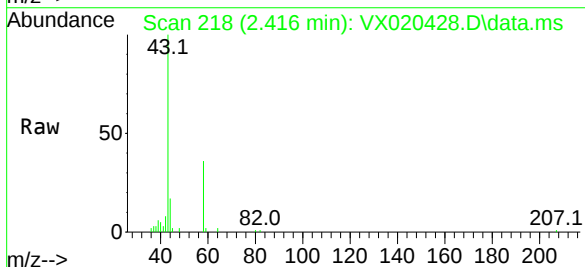
Instrument :
MSVOA_X
ClientSampleId :
1025-FB122820

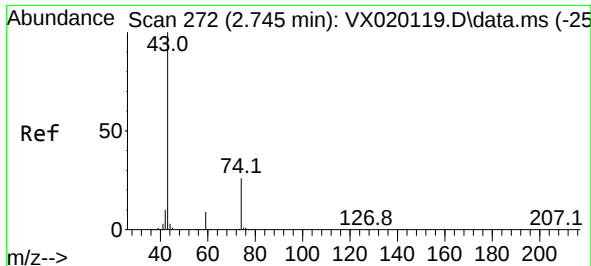
Tgt Ion: 56 Resp: 215
Ion Ratio Lower Upper
56 100
55 124.2 56.4 84.6#



#16
Acetone
Concen: 6.52 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020428.D
Acq: 29 Dec 2020 12:48

Tgt Ion: 43 Resp: 9748
Ion Ratio Lower Upper
43 100
58 36.7 27.8 41.8





#18

Methyl Acetate

Concen: 0.20 ug/l

RT: 2.745 min Scan# 272

Delta R.T. 0.000 min

Lab File: VX020428.D

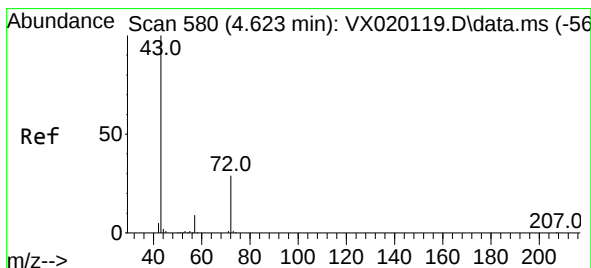
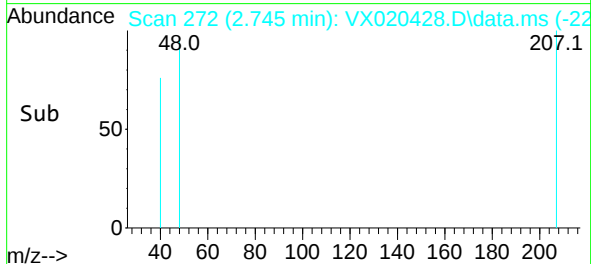
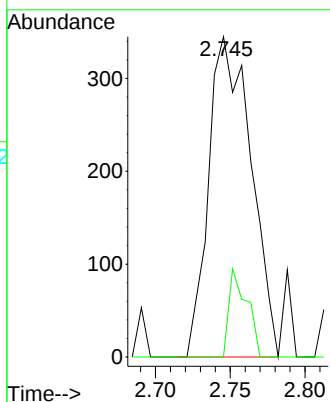
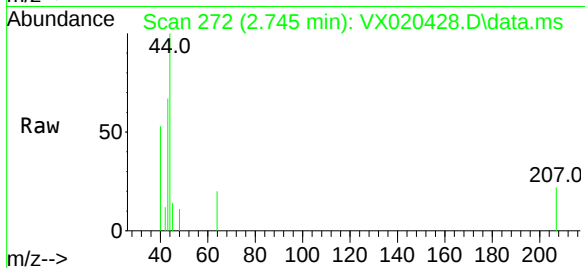
Acq: 29 Dec 2020 12:48

Tgt Ion: 43 Resp: 678

Ion Ratio Lower Upper

43 100

74 11.7 21.9 32.9#



#25

2-Butanone

Concen: 0.94 ug/l

RT: 4.648 min Scan# 584

Delta R.T. 0.025 min

Lab File: VX020428.D

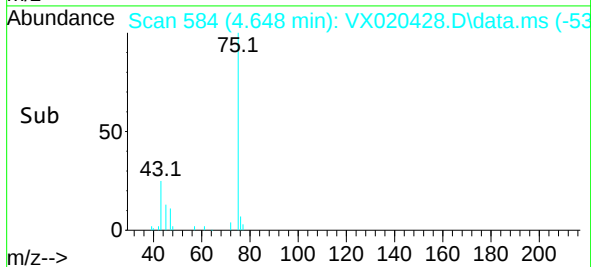
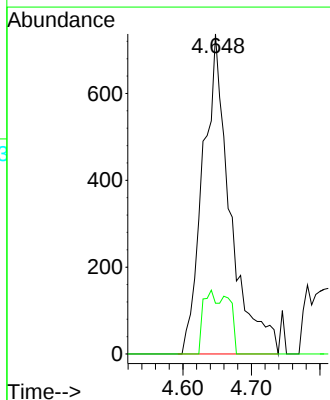
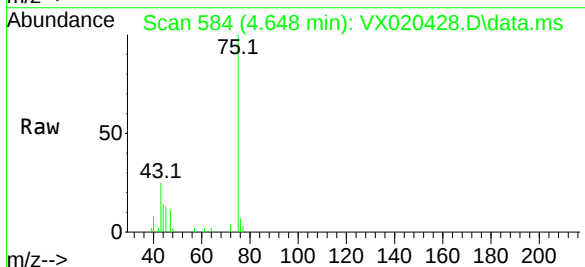
Acq: 29 Dec 2020 12:48

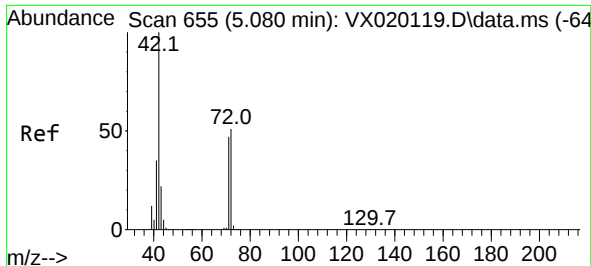
Tgt Ion: 43 Resp: 2047

Ion Ratio Lower Upper

43 100

72 15.9 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.69 ug/l

RT: 5.099 min Scan# 658

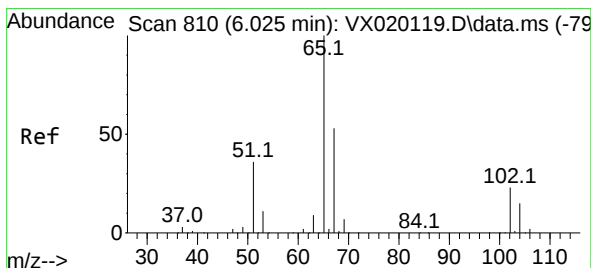
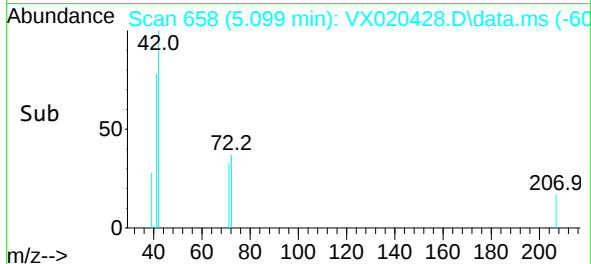
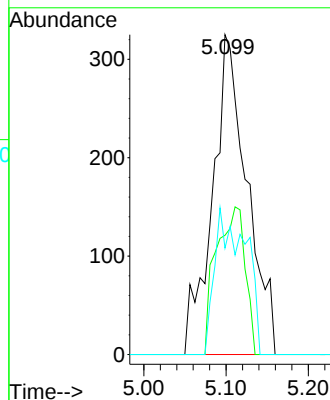
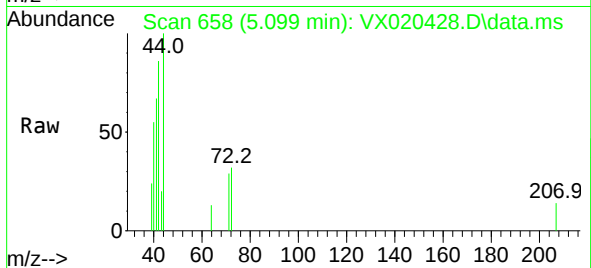
Delta R.T. 0.019 min

Lab File: VX020428.D

Acq: 29 Dec 2020 12:48

Tgt Ion:	42	Resp:	949
Ion	Ratio	Lower	Upper
42	100		
72	38.6	41.7	62.5#
71	24.3	38.4	57.6#

Instrument :
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#33

1,2-Dichloroethane-d4

Concen: 44.88 ug/l

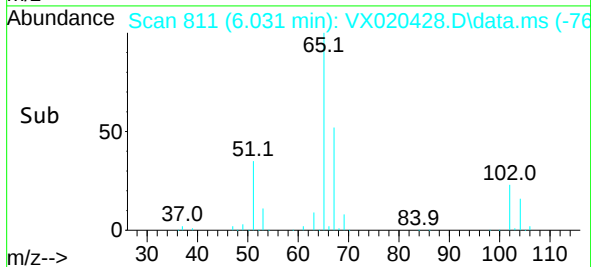
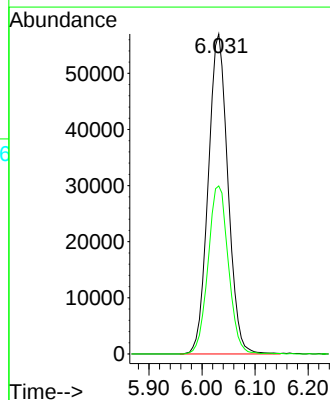
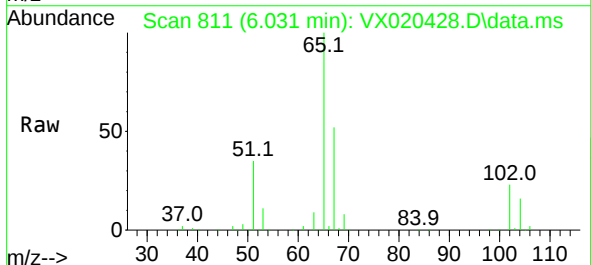
RT: 6.031 min Scan# 811

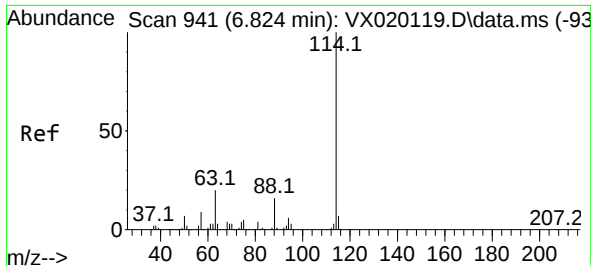
Delta R.T. 0.006 min

Lab File: VX020428.D

Acq: 29 Dec 2020 12:48

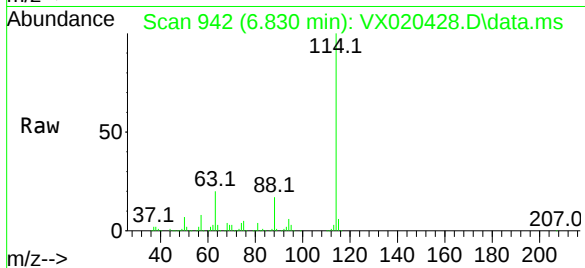
Tgt Ion:	65	Resp:	147062
Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	105.4



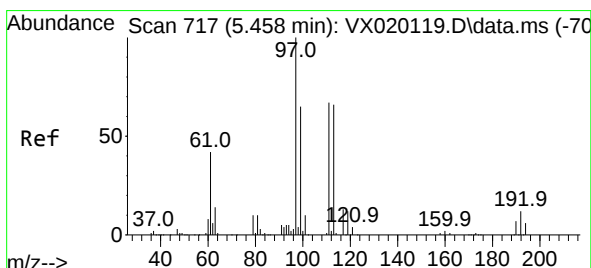
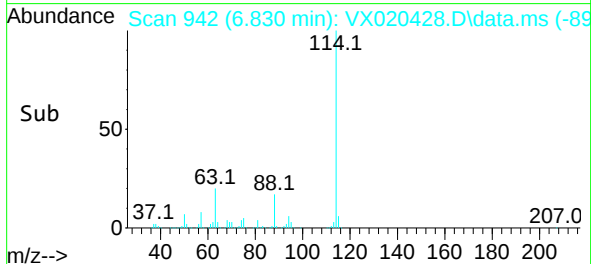
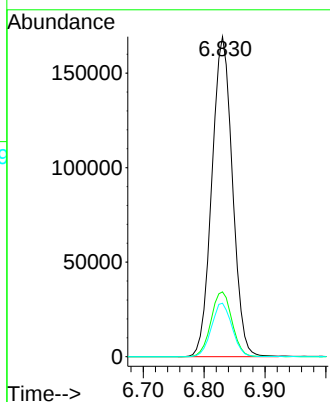


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020428.D
Acq: 29 Dec 2020 12:48

Instrument :
MSVOA_X
ClientSampleId :
1025-FB122820

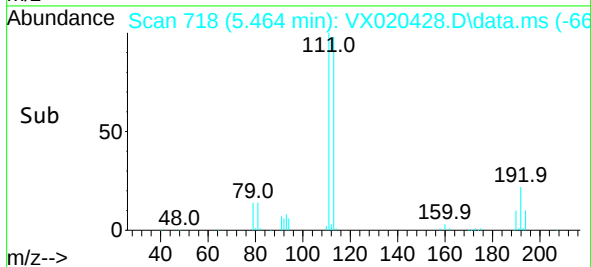
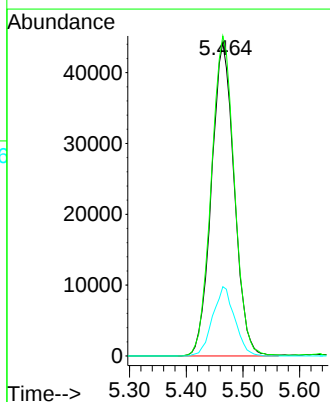
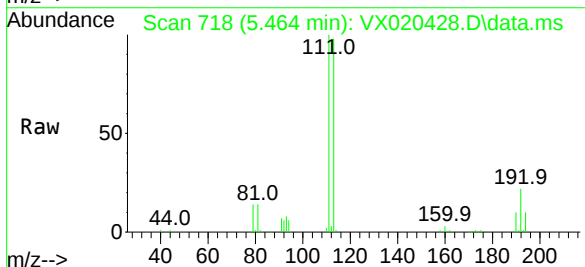


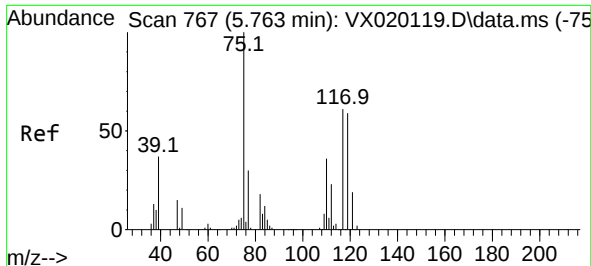
Tgt Ion:114 Resp: 396891
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.8
88 16.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.46 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020428.D
Acq: 29 Dec 2020 12:48

Tgt Ion:113 Resp: 123044
Ion Ratio Lower Upper
113 100
111 103.5 81.9 122.9
192 21.4 16.7 25.1

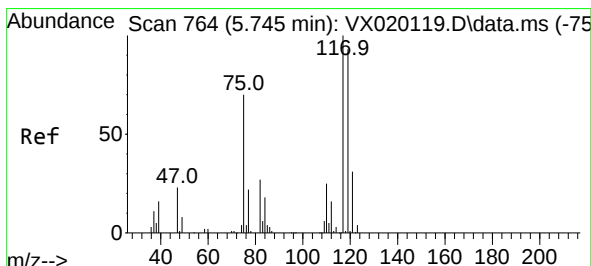
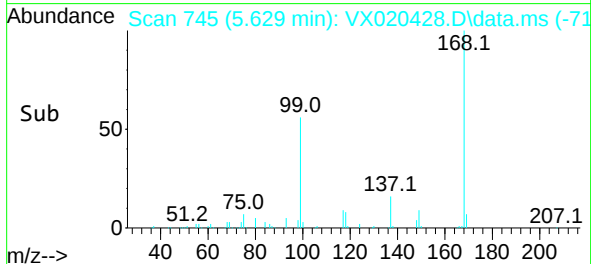
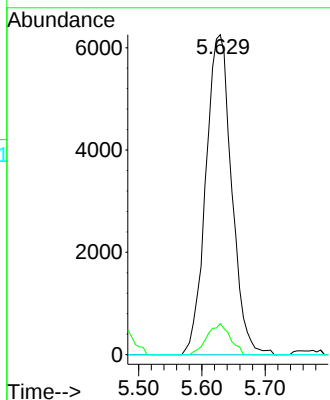
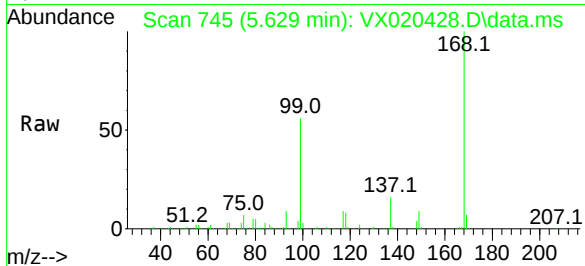




#36
1,1-Dichloropropene
Concen: 4.52 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020428.D
Acq: 29 Dec 2020 12:48

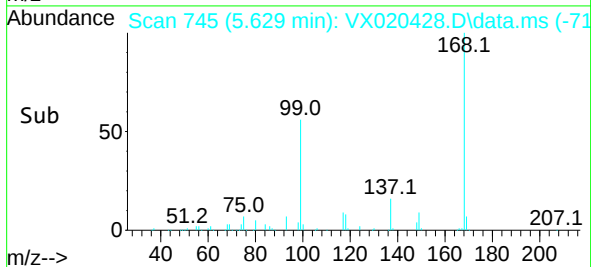
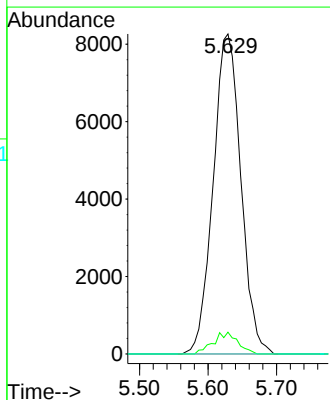
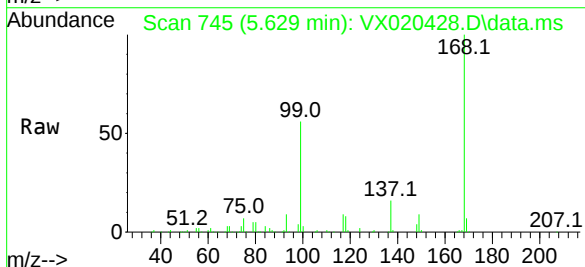
Instrument :
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ClientSampleId :
1025-FB122820

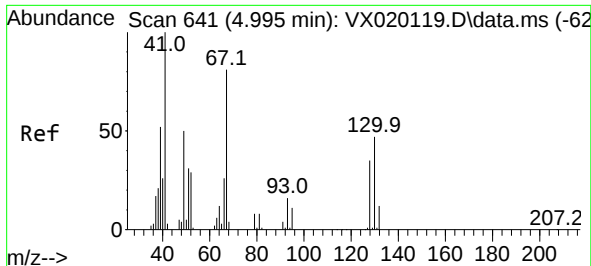
Tgt Ion: 75 Resp: 17735
Ion Ratio Lower Upper
75 100
110 8.6 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.20 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020428.D
Acq: 29 Dec 2020 12:48

Tgt Ion: 117 Resp: 23148
Ion Ratio Lower Upper
117 100
119 6.8 76.2 114.2#
121 0.0 24.8 37.2#

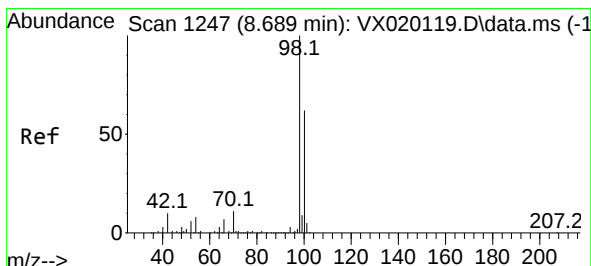
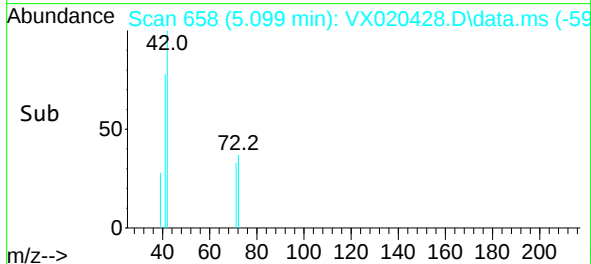
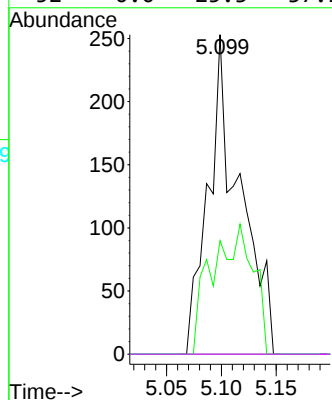
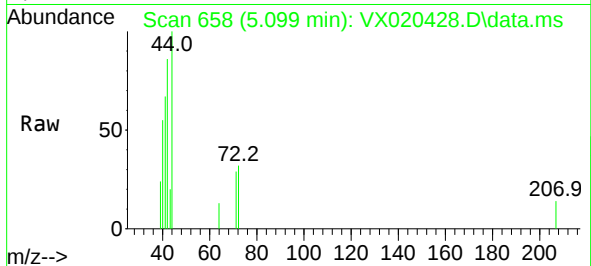




#41
Methacrylonitrile
Concen: 0.23 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.104 min
Lab File: VX020428.D
Acq: 29 Dec 2020 12:48

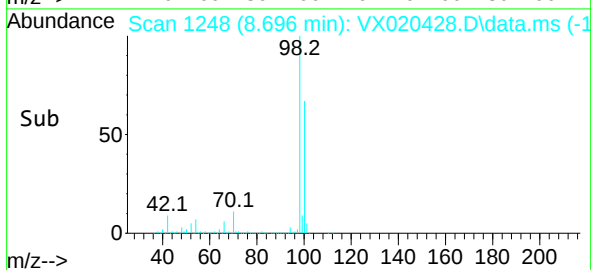
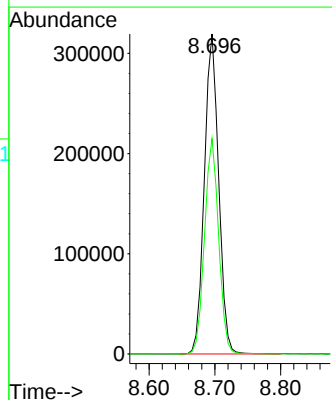
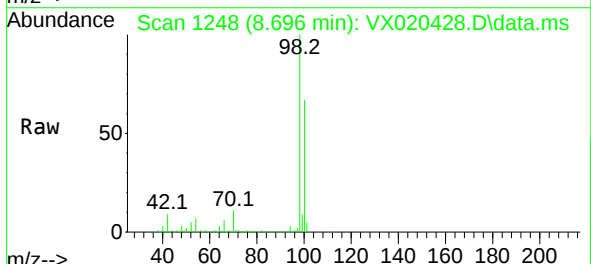
Instrument :
MSVOA_X
ClientSampleId :
1025-FB122820

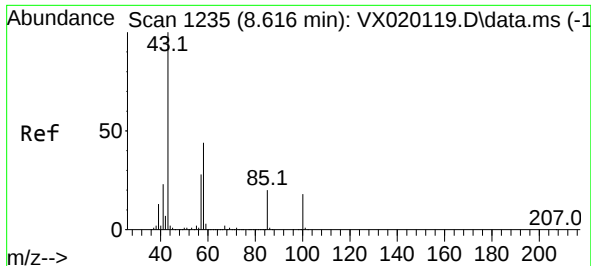
Tgt Ion: 41	Resp: 504
Ion Ratio	Lower Upper
41 100	
39 53.8	42.5 63.7
67 0.0	65.0 97.6#
52 0.0	25.3 37.9#



#50
Toluene-d8
Concen: 49.45 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020428.D
Acq: 29 Dec 2020 12:48

Tgt Ion: 98	Resp: 483272
Ion Ratio	Lower Upper
98 100	
100 66.5	51.9 77.9

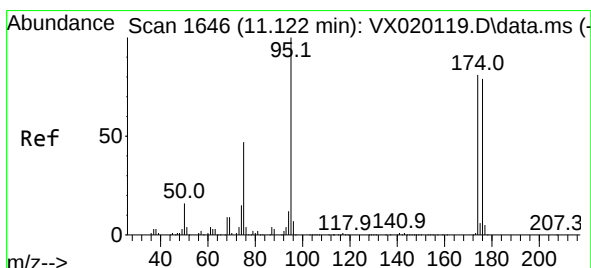
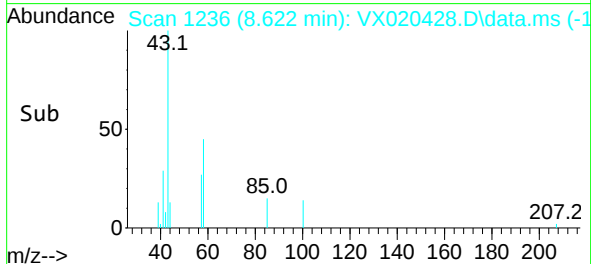
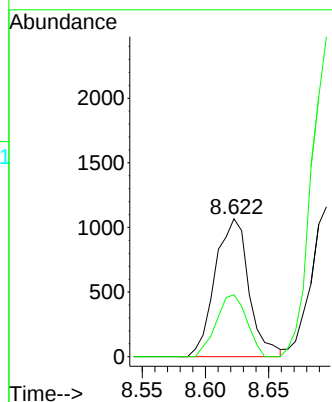
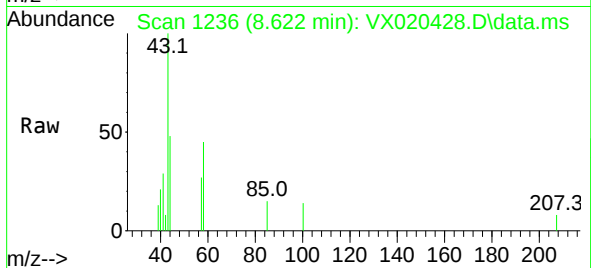




#51
4-Methyl-2-Pentanone
Concen: 0.50 ug/l
RT: 8.622 min Scan# 1236
Delta R.T. 0.006 min
Lab File: VX020428.D
Acq: 29 Dec 2020 12:48

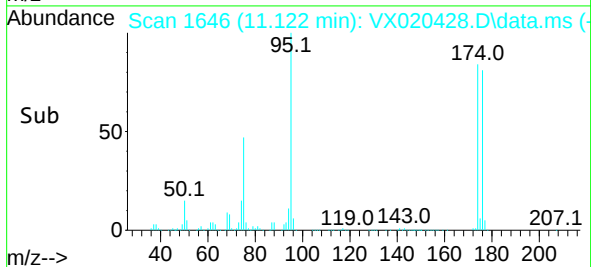
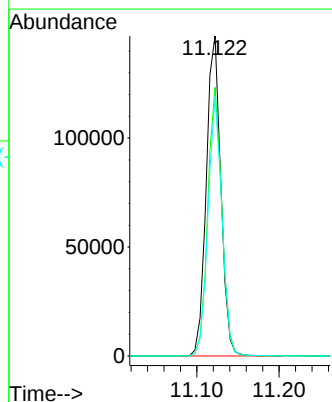
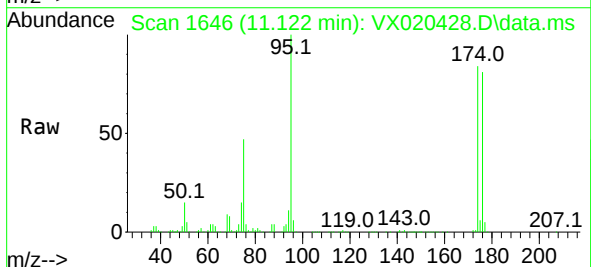
Instrument :
MSVOA_X
ClientSampleId :
1025-FB122820

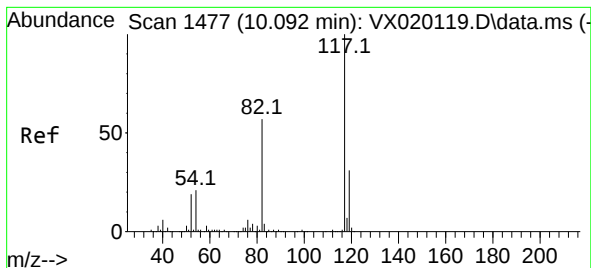
Tgt Ion: 43 Resp: 1984
Ion Ratio Lower Upper
43 100
58 40.6 35.4 53.0



#62
4-Bromofluorobenzene
Concen: 48.15 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.000 min
Lab File: VX020428.D
Acq: 29 Dec 2020 12:48

Tgt Ion: 95 Resp: 180104
Ion Ratio Lower Upper
95 100
174 81.7 0.0 154.6
176 77.5 0.0 155.8

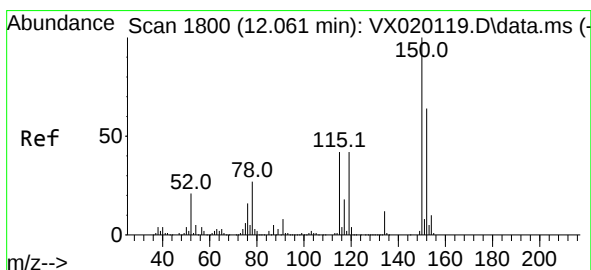
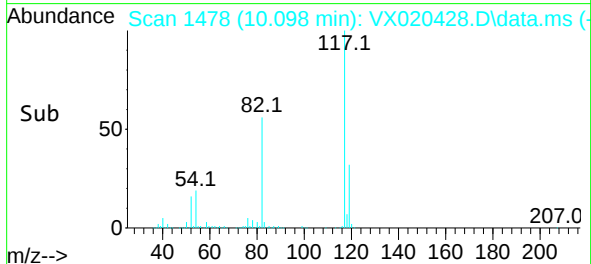
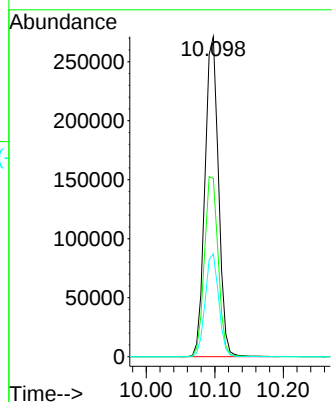
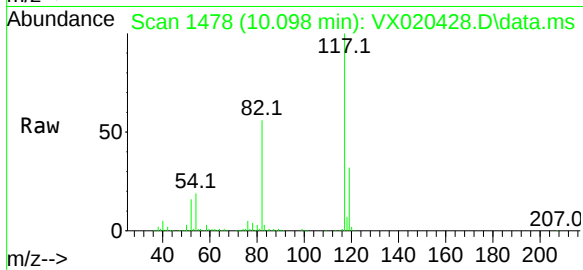




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020428.D
Acq: 29 Dec 2020 12:48

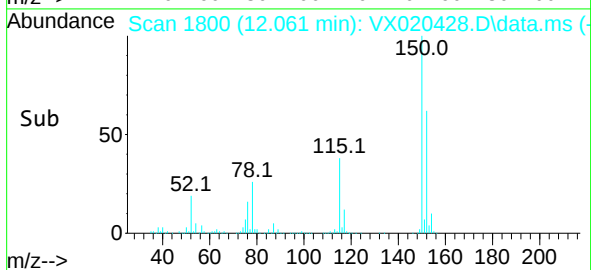
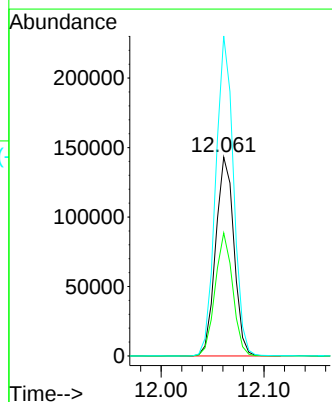
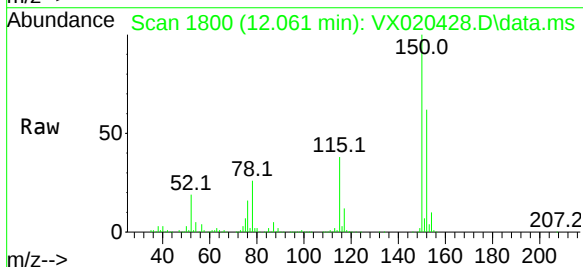
Instrument :
MSVOA_X
ClientSampleId :
1025-FB122820

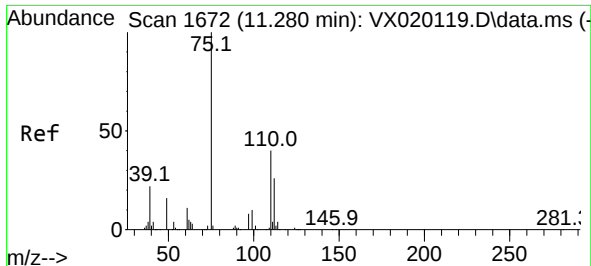
Tgt Ion:117 Resp: 374615
Ion Ratio Lower Upper
117 100
82 55.7 47.4 71.2
119 32.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020428.D
Acq: 29 Dec 2020 12:48

Tgt Ion:152 Resp: 176837
Ion Ratio Lower Upper
152 100
115 59.4 41.1 123.3
150 157.1 0.0 349.0

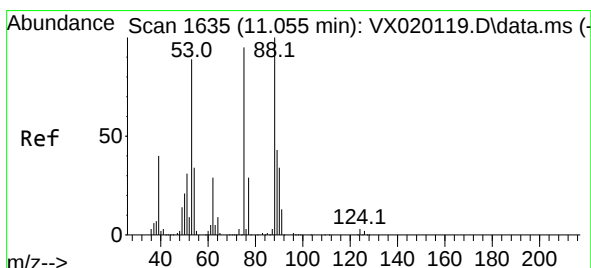
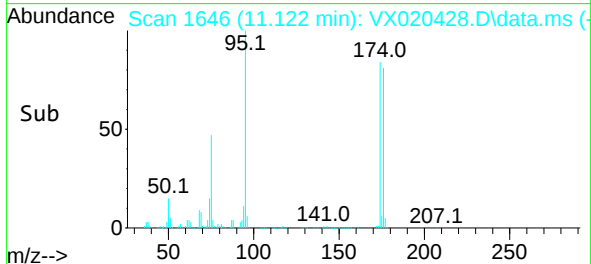
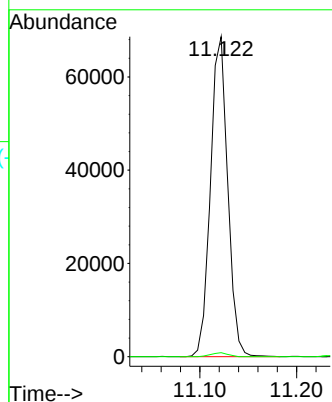
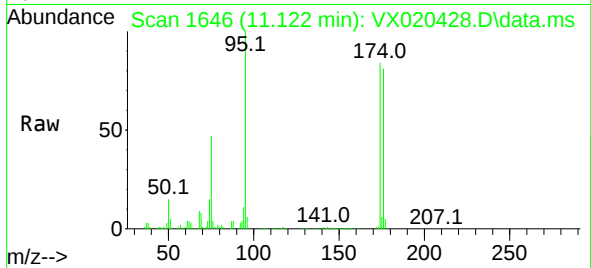




#76
1,2,3-Trichloropropane
Concen: 19.55 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020428.D
Acq: 29 Dec 2020 12:48

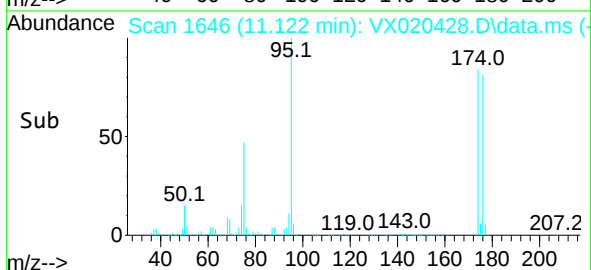
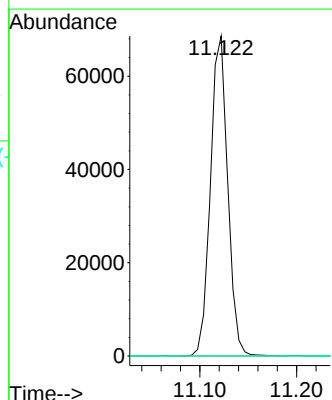
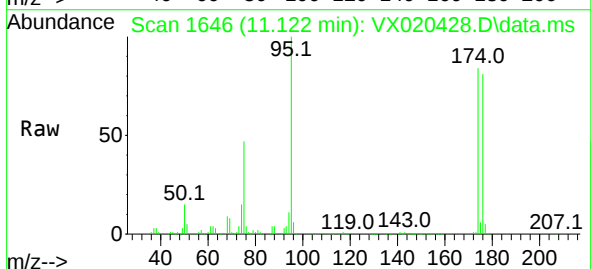
Instrument :
MSVOA_X
ClientSampleId :
1025-FB122820

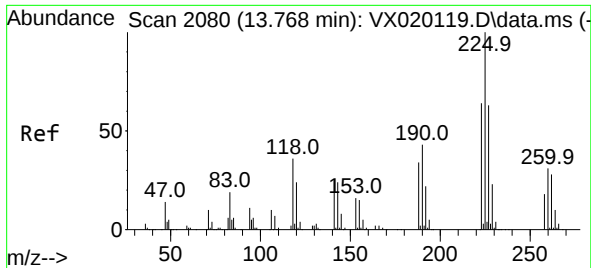
Tgt Ion: 75 Resp: 85176
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.01 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020428.D
Acq: 29 Dec 2020 12:48

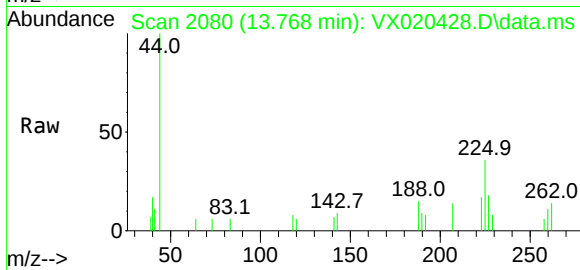
Tgt Ion: 75 Resp: 85176
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#94
 Hexachlorobutadiene
 Concen: 2.87 ug/l
 RT: 13.768 min Scan# 2080
 Delta R.T. -0.000 min
 Lab File: VX020428.D
 Acq: 29 Dec 2020 12:48

Instrument :
 MSVOA_X
 ClientSampleId :
 1025-FB122820



Tgt Ion:	225	Resp:	382
Ion	Ratio	Lower	Upper
225	100		
223	43.2	31.1	93.2
227	61.8	31.6	95.0

