

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122120\
 Data File : VX020281.D
 Acq On : 22 Dec 2020 04:06
 Operator : JC/MD
 Sample : PB133709ZHE#12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 22 05:19:21 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

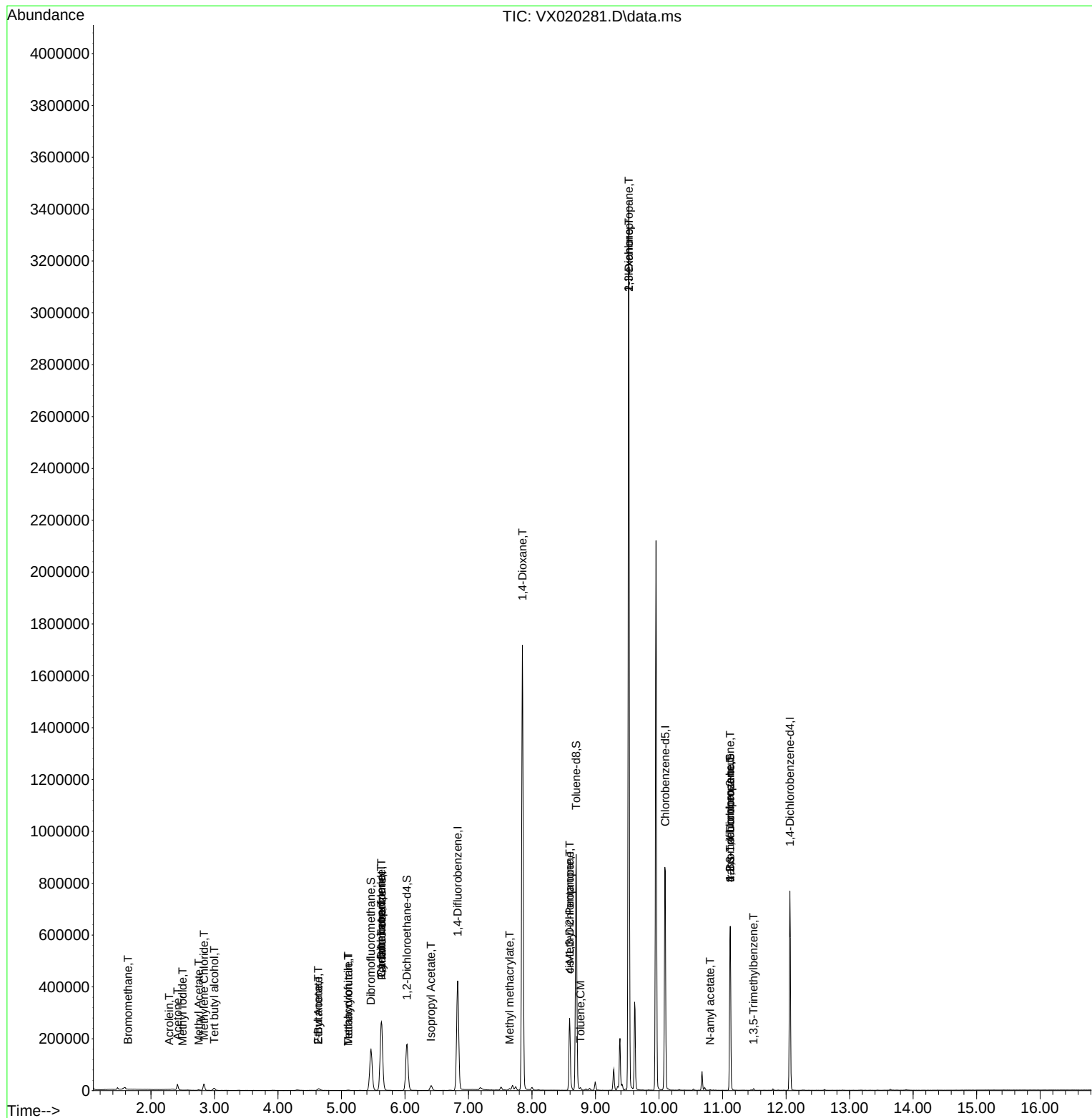
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.635	168	252924	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.830	114	425000	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	399240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	155231	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	170561	50.31	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	100.62%
35) Dibromofluoromethane	5.464	113	135850	49.97	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.94%
50) Toluene-d8	8.696	98	541156	51.71	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	103.42%
62) 4-Bromofluorobenzene	11.122	95	175791	43.89	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	87.78%
Target Compounds						
					Qvalue	
5) Bromomethane	1.636	94	372	0.33	ug/l #	74
10) Methyl Iodide	2.495	142	19	3.29	ug/l #	42
11) Tert butyl alcohol	2.995	59	5641	7.43	ug/l #	78
13) Acrolein	2.288	56	116	0.24	ug/l #	1
16) Acetone	2.416	43	21565	13.95	ug/l	95
18) Methyl Acetate	2.752	43	2779	0.81	ug/l	93
20) Methylene Chloride	2.837	84	10978	3.15	ug/l	94
25) 2-Butanone	4.635	43	9415	4.18	ug/l	91
29) Tetrahydrofuran	5.105	42	1108	0.78	ug/l #	78
31) Cyclohexane	5.629	56	5122	1.10	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	19545	4.65	ug/l #	49
37) Ethyl Acetate	4.635	43	9415	2.16	ug/l #	65
38) Carbon Tetrachloride	5.629	117	25351	6.35	ug/l #	16
41) Methacrylonitrile	5.105	41	724	0.31	ug/l #	41
43) Isopropyl Acetate	6.409	43	24381	3.54	ug/l	98
48) Methyl methacrylate	7.647	41	7115	2.11	ug/l #	10
49) 1,4-Dioxane	7.848	88	232	2.93	ug/l #	1
51) 4-Methyl-2-Pentanone	8.592	43	87158	20.43	ug/l #	48
52) Toluene	8.763	92	2010	0.25	ug/l	95
54) cis-1,3-Dichloropropene	8.592	75	45661	8.77	ug/l #	62
57) 1,3-Dichloropropane	9.525	76	29809	5.32	ug/l #	43
59) 2-Hexanone	9.525	43	362666	111.55	ug/l #	46
74) N-amyl acetate	10.805	43	1204	0.27	ug/l #	48
76) 1,2,3-Trichloropropane	11.122	75	85519	22.37	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.488	105	2799	0.29	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.122	75	85519	66.35	ug/l #	12

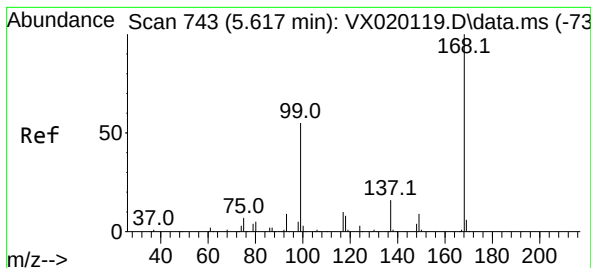
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.635 min Scan# 746

Delta R.T. 0.018 min

Lab File: VX020281.D

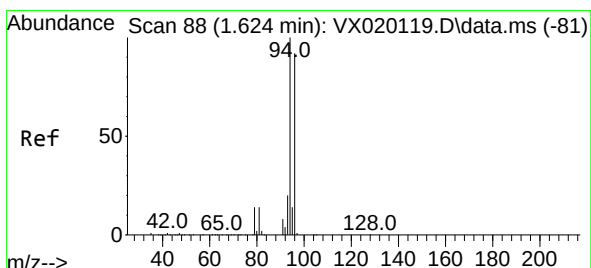
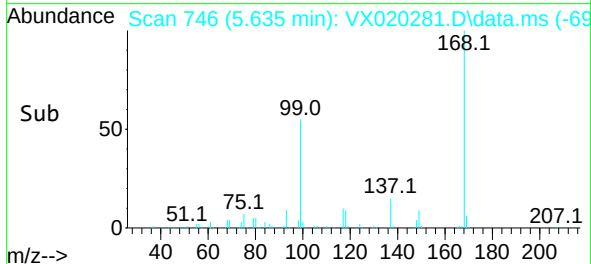
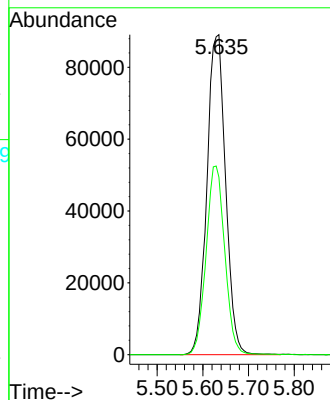
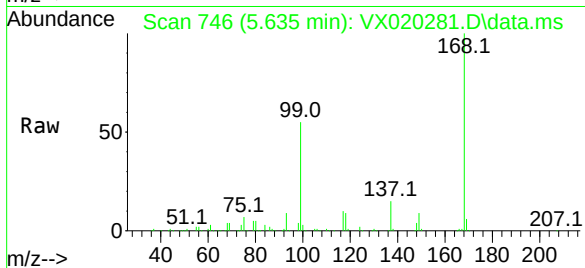
Acq: 22 Dec 2020 04:06

Tgt Ion:168 Resp: 252924

Ion Ratio Lower Upper

168 100

99 55.4 45.8 68.6



#5

Bromomethane

Concen: 0.33 ug/l

RT: 1.636 min Scan# 90

Delta R.T. 0.012 min

Lab File: VX020281.D

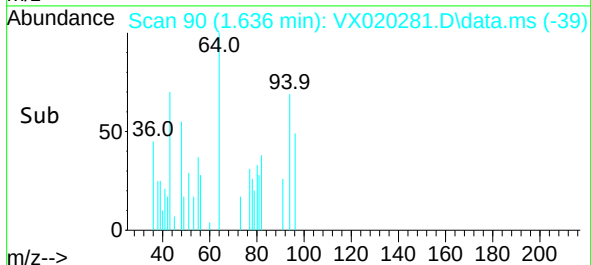
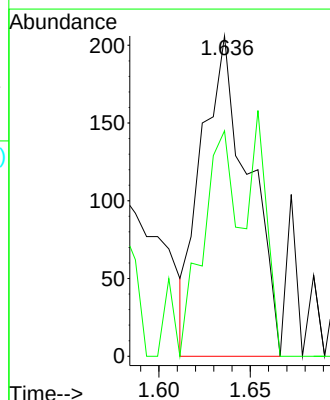
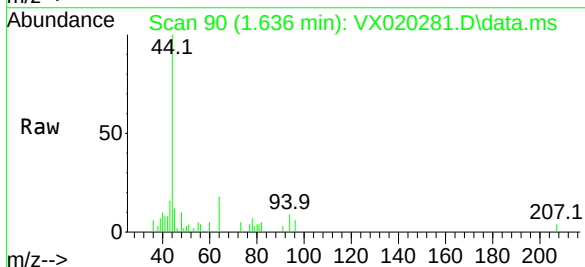
Acq: 22 Dec 2020 04:06

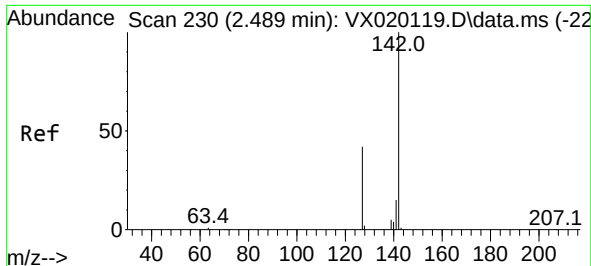
Tgt Ion: 94 Resp: 372

Ion Ratio Lower Upper

94 100

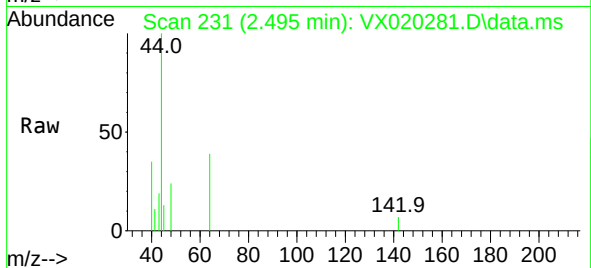
96 70.4 76.4 114.6#



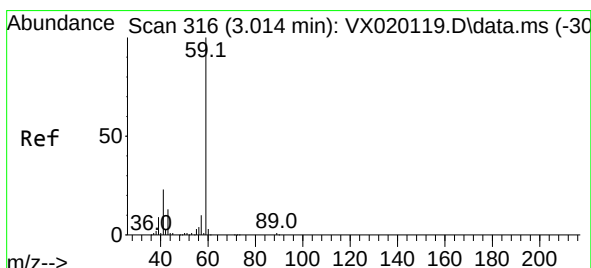
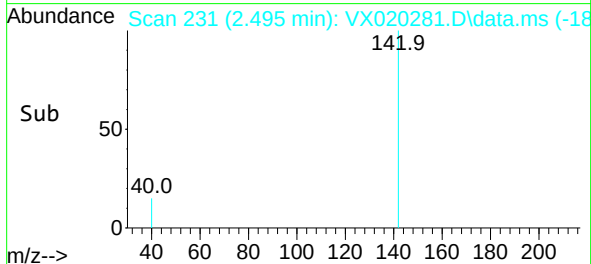
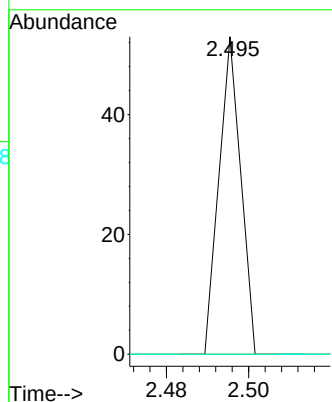


#10
Methyl Iodide
Concen: 3.29 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020281.D
Acq: 22 Dec 2020 04:06

Instrument :
MSVOA_X
ClientSampleId :

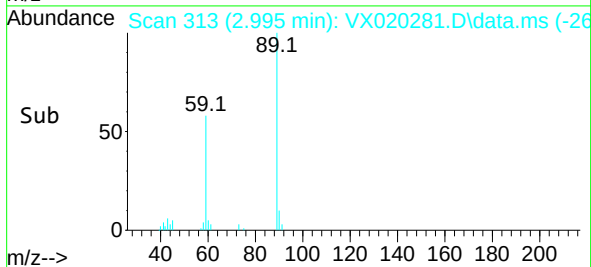
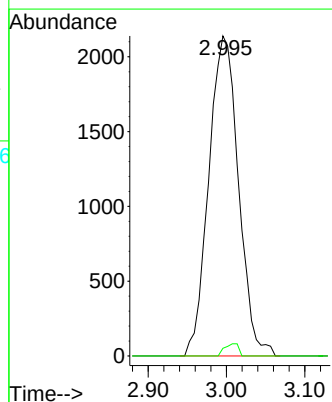
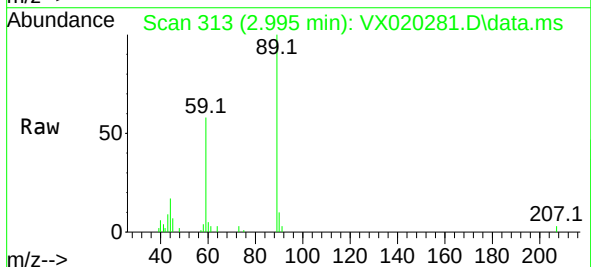


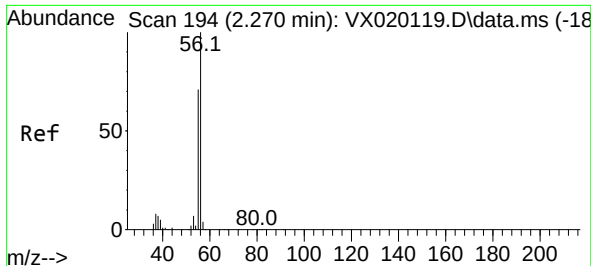
Tgt Ion:142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 7.43 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.019 min
Lab File: VX020281.D
Acq: 22 Dec 2020 04:06

Tgt Ion: 59 Resp: 5641
Ion Ratio Lower Upper
59 100
57 1.8 7.8 11.8#

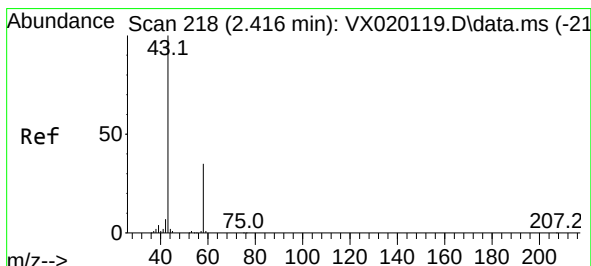
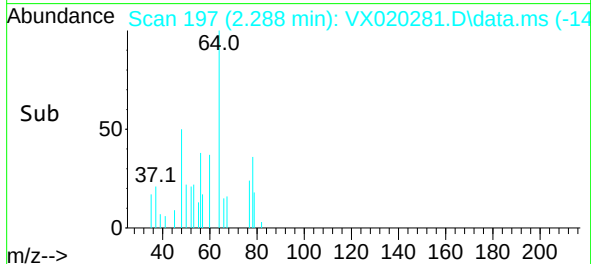
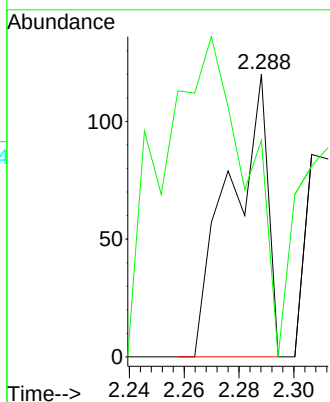
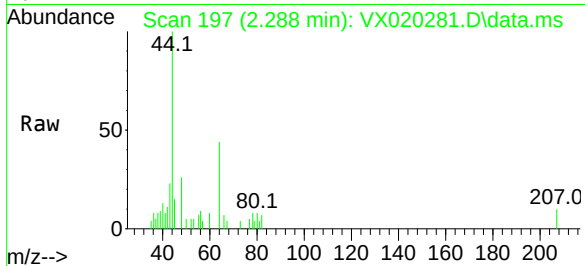




#13
Acrolein
Concen: 0.24 ug/l
RT: 2.288 min Scan# 197
Delta R.T. 0.018 min
Lab File: VX020281.D
Acq: 22 Dec 2020 04:06

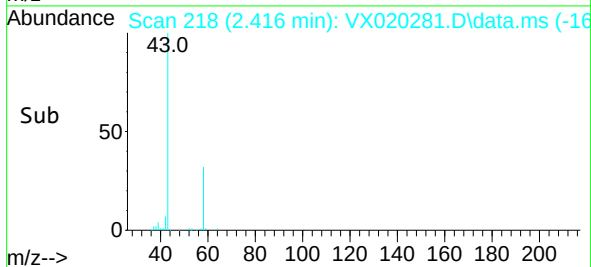
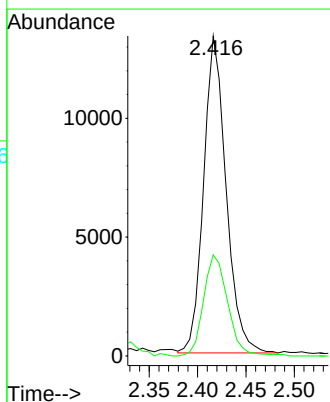
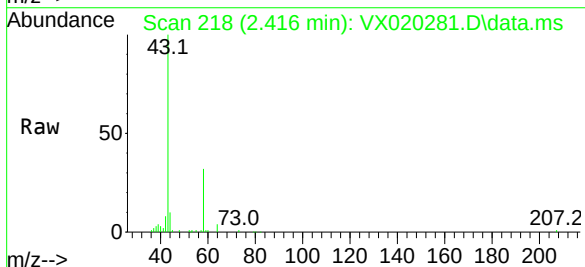
Instrument :
MSVOA_X
ClientSampled :

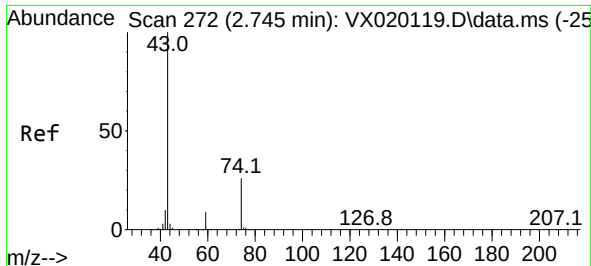
Tgt Ion: 56 Resp: 116
Ion Ratio Lower Upper
56 100
55 250.9 56.4 84.6#



#16
Acetone
Concen: 13.95 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020281.D
Acq: 22 Dec 2020 04:06

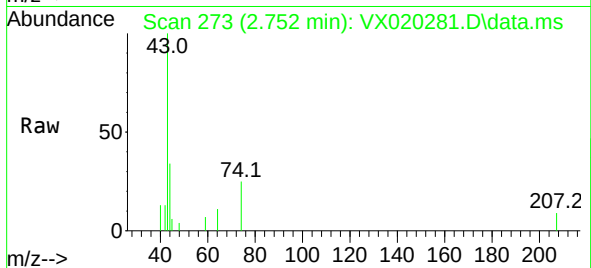
Tgt Ion: 43 Resp: 21565
Ion Ratio Lower Upper
43 100
58 31.9 27.8 41.8



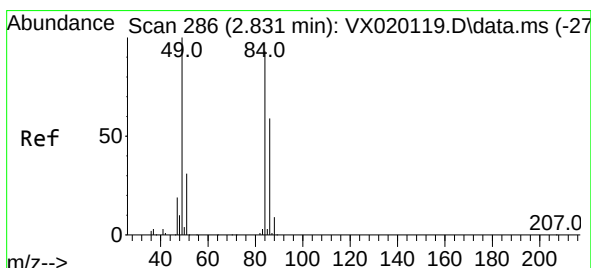
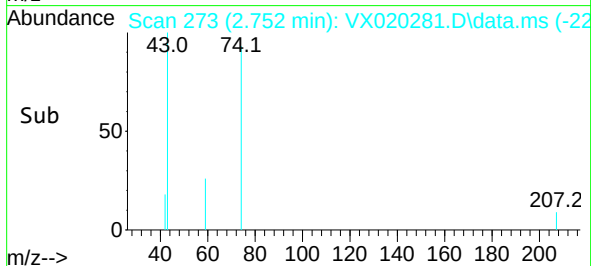
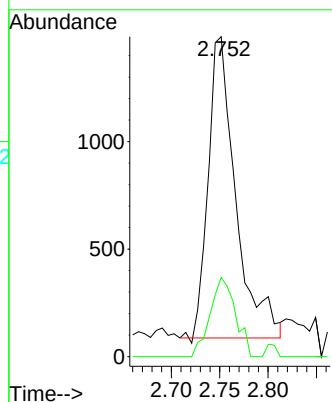


#18
Methyl Acetate
Concen: 0.81 ug/l
RT: 2.752 min Scan# 273
Delta R.T. 0.006 min
Lab File: VX020281.D
Acq: 22 Dec 2020 04:06

Instrument :
MSVOA_X
ClientSampled :

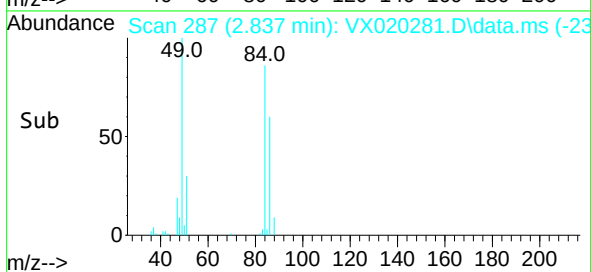
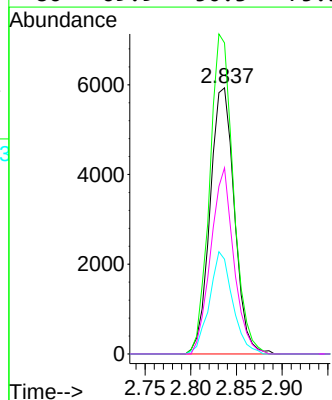
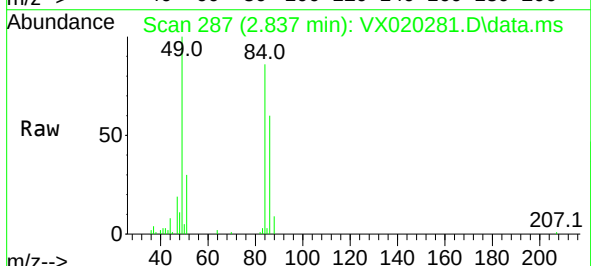


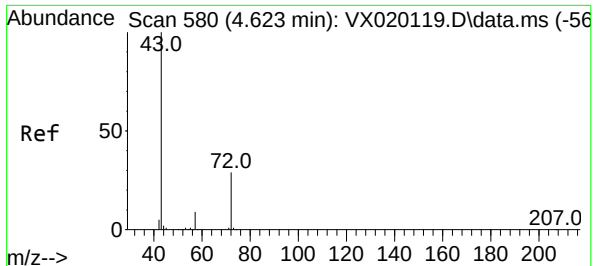
Tgt Ion: 43 Resp: 2779
Ion Ratio Lower Upper
43 100
74 24.0 21.9 32.9



#20
Methylene Chloride
Concen: 3.15 ug/l
RT: 2.837 min Scan# 287
Delta R.T. 0.006 min
Lab File: VX020281.D
Acq: 22 Dec 2020 04:06

Tgt Ion: 84 Resp: 10978
Ion Ratio Lower Upper
84 100
49 116.9 88.6 132.8
51 35.6 27.0 40.6
86 69.9 50.3 75.5

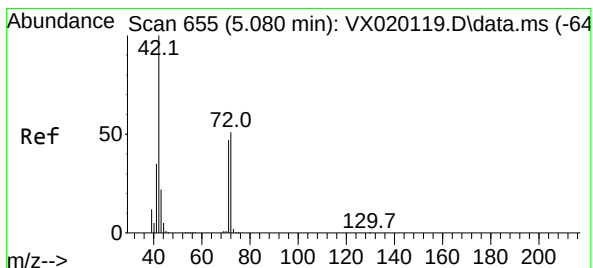
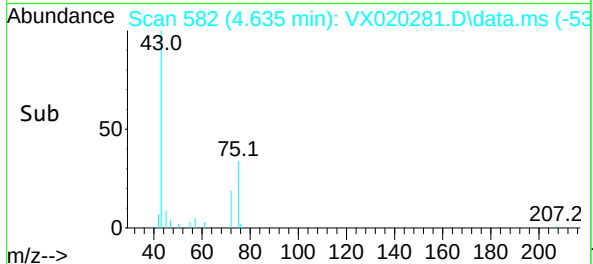
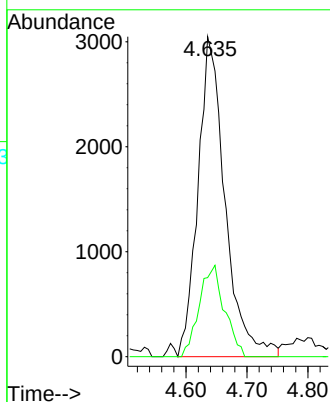
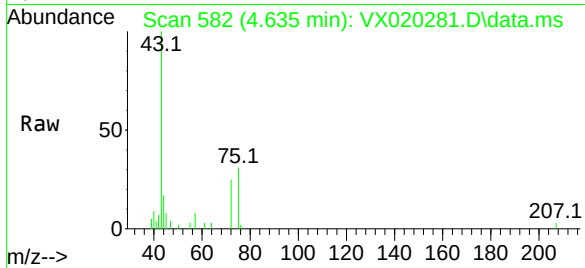




#25
2-Butanone
Concen: 4.18 ug/l
RT: 4.635 min Scan# 582
Delta R.T. 0.012 min
Lab File: VX020281.D
Acq: 22 Dec 2020 04:06

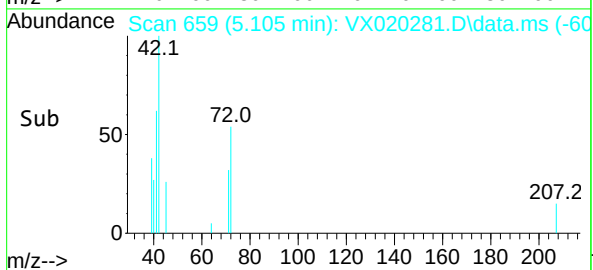
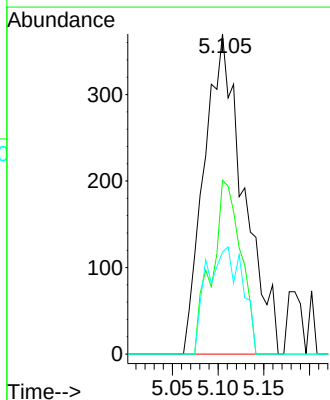
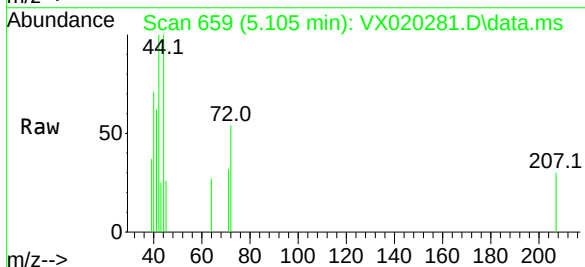
Instrument :
MSVOA_X
ClientSampled :

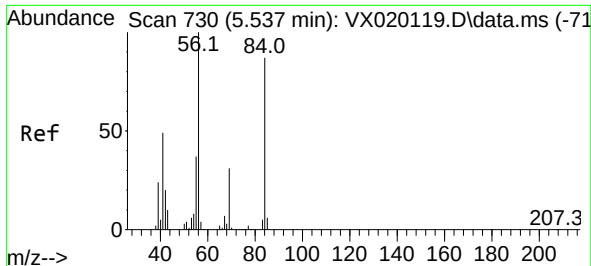
Tgt Ion: 43 Resp: 9415
Ion Ratio Lower Upper
43 100
72 24.7 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.78 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.025 min
Lab File: VX020281.D
Acq: 22 Dec 2020 04:06

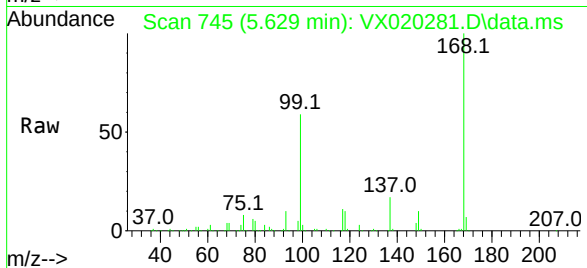
Tgt Ion: 42 Resp: 1108
Ion Ratio Lower Upper
42 100
72 39.8 41.7 62.5#
71 30.2 38.4 57.6#



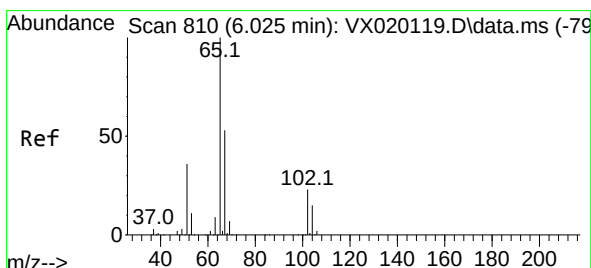
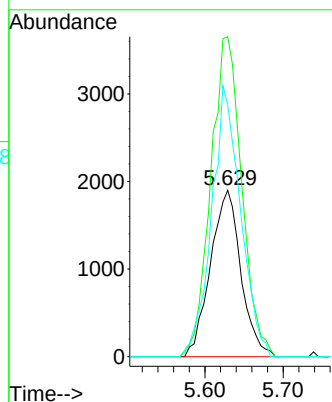
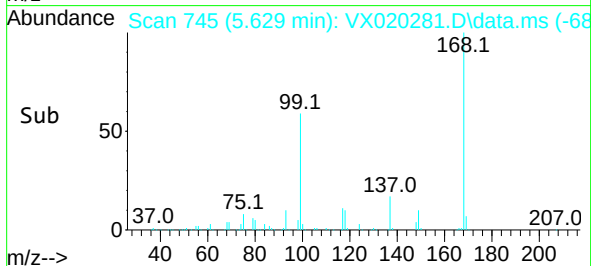


#31
Cyclohexane
Concen: 1.10 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.092 min
Lab File: VX020281.D
Acq: 22 Dec 2020 04:06

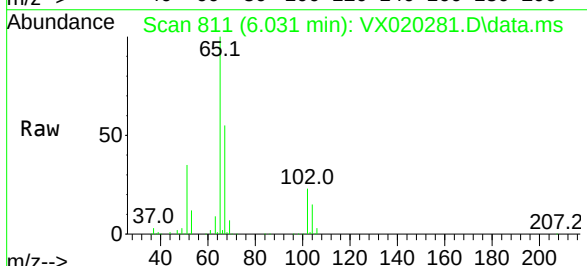
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MSVOA_X
ClientSampleId :



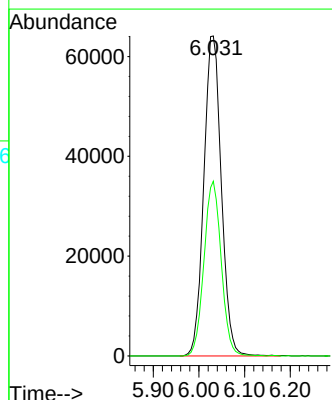
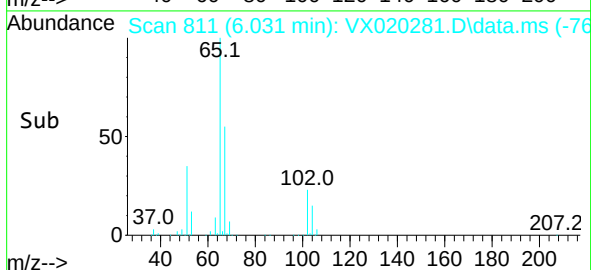
Tgt Ion: 56 Resp: 5122
Ion Ratio Lower Upper
56 100
69 192.3 25.3 37.9#
84 151.2 71.4 107.0#

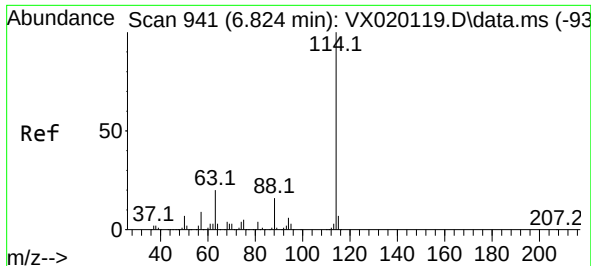


#33
1,2-Dichloroethane-d4
Concen: 50.31 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020281.D
Acq: 22 Dec 2020 04:06



Tgt Ion: 65 Resp: 170561
Ion Ratio Lower Upper
65 100
67 53.8 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: VX020281.D

Acq: 22 Dec 2020 04:06

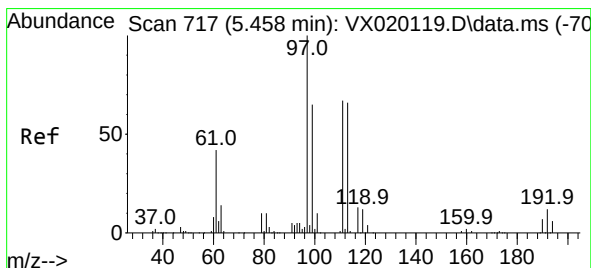
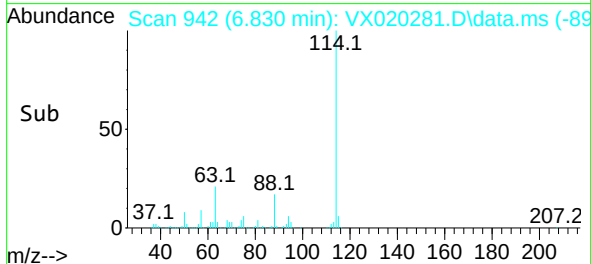
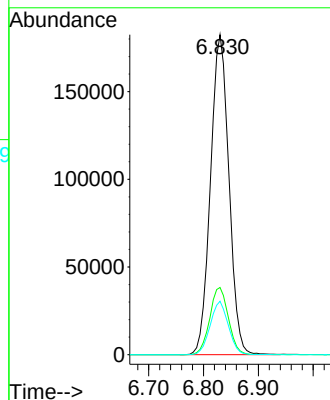
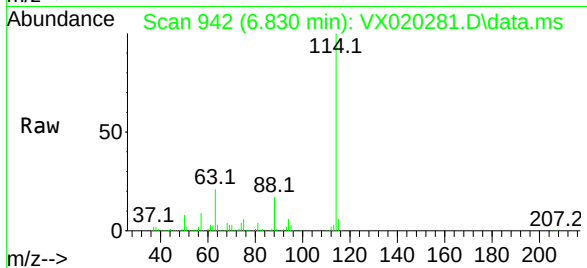
Tgt Ion:114 Resp: 425000

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

88 16.7 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.97 ug/l

RT: 5.464 min Scan# 718

Delta R.T. 0.006 min

Lab File: VX020281.D

Acq: 22 Dec 2020 04:06

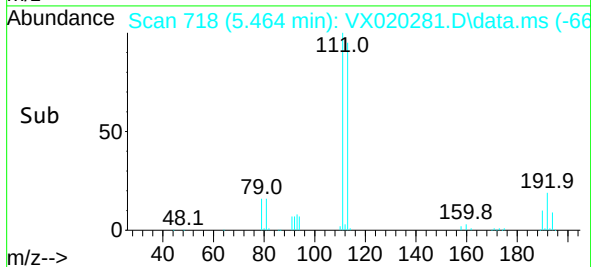
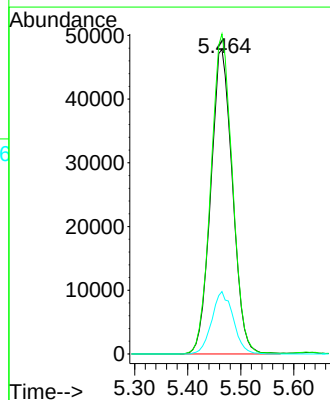
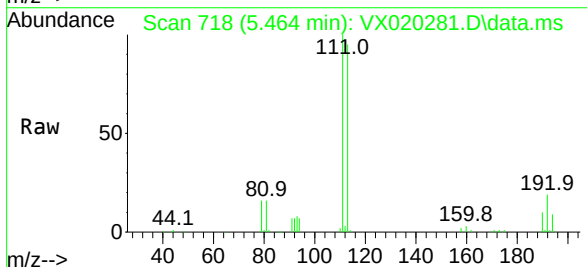
Tgt Ion:113 Resp: 135850

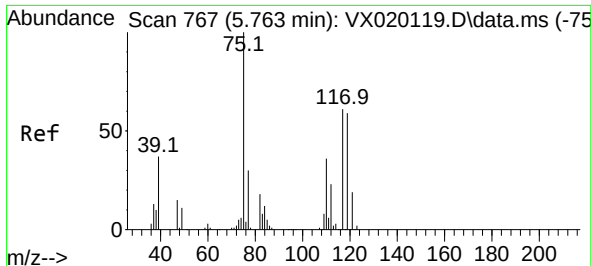
Ion Ratio Lower Upper

113 100

111 104.4 81.9 122.9

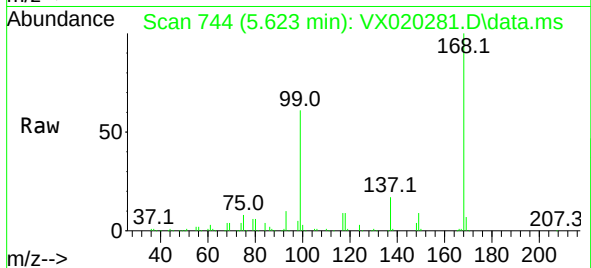
192 20.3 16.7 25.1



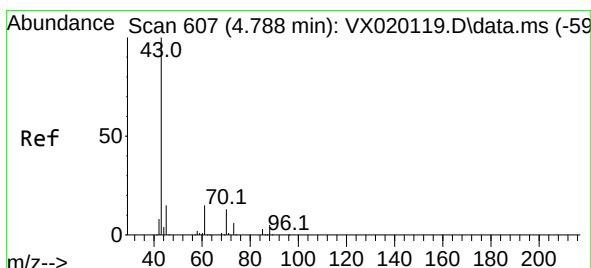
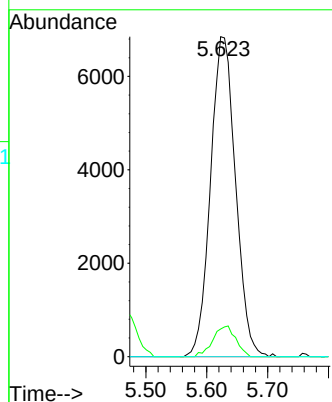
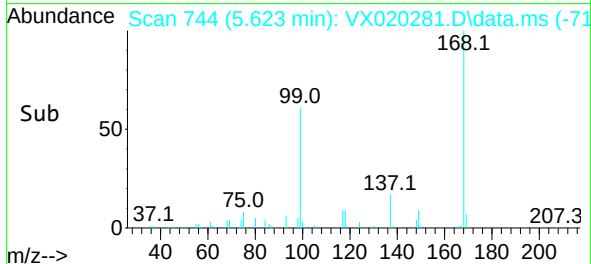


#36
1,1-Dichloropropene
Concen: 4.65 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.140 min
Lab File: VX020281.D
Acq: 22 Dec 2020 04:06

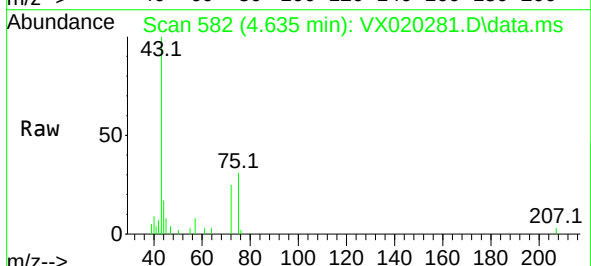
Instrument :
MSVOA_X
ClientSampleId :



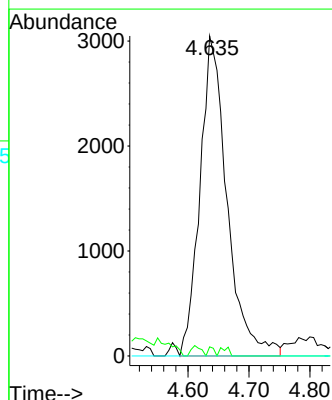
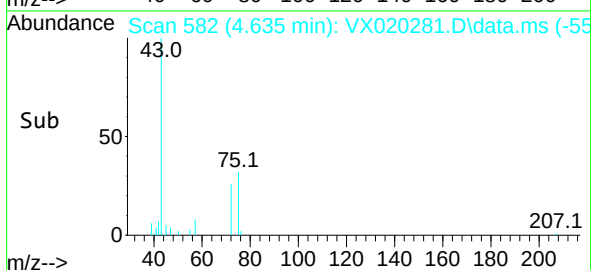
Tgt Ion: 75 Resp: 19545
Ion Ratio Lower Upper
75 100
110 8.8 18.1 54.4#
77 0.0 25.3 37.9#

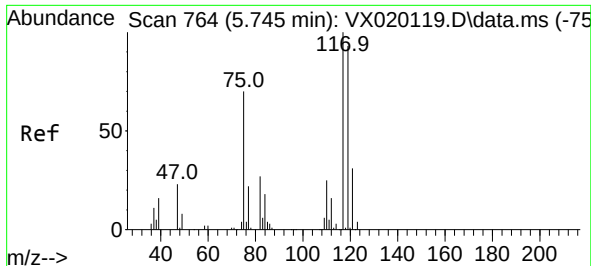


#37
Ethyl Acetate
Concen: 2.16 ug/l
RT: 4.635 min Scan# 582
Delta R.T. -0.153 min
Lab File: VX020281.D
Acq: 22 Dec 2020 04:06



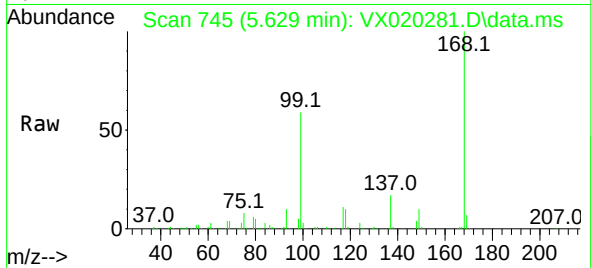
Tgt Ion: 43 Resp: 9415
Ion Ratio Lower Upper
43 100
61 0.6 12.8 19.2#
70 0.0 10.5 15.7#



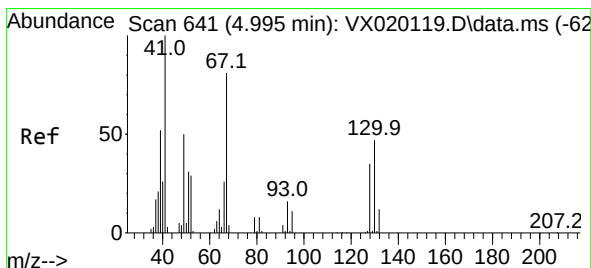
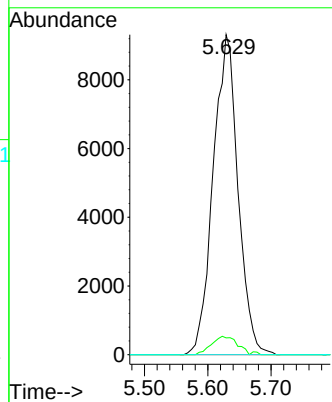
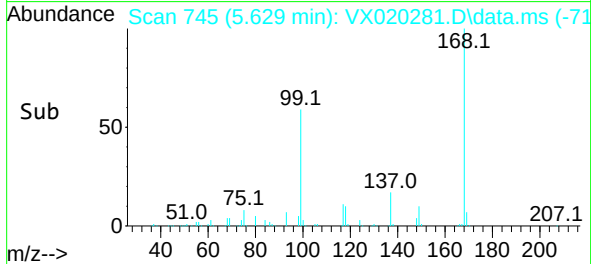


#38
Carbon Tetrachloride
Concen: 6.35 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020281.D
Acq: 22 Dec 2020 04:06

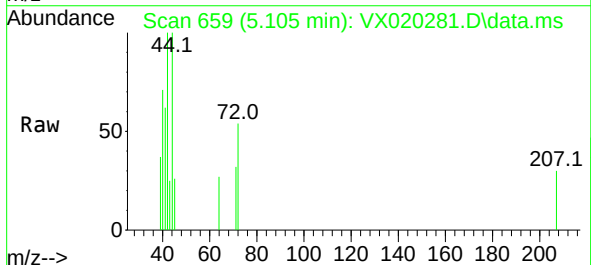
Instrument :
MSVOA_X
ClientSampled :



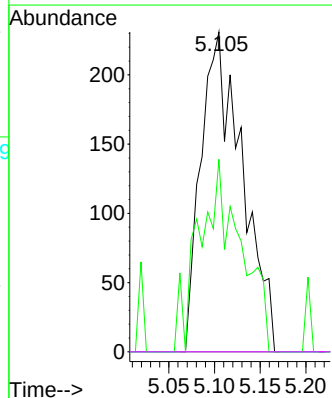
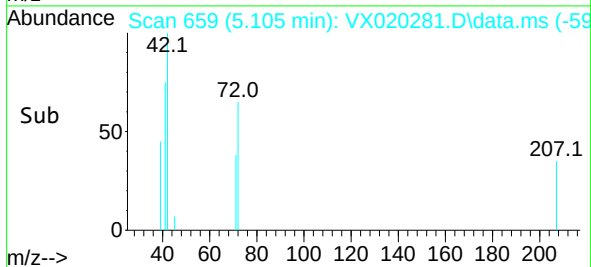
Tgt Ion:117 Resp: 25351
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.2#
121 0.0 24.8 37.2#

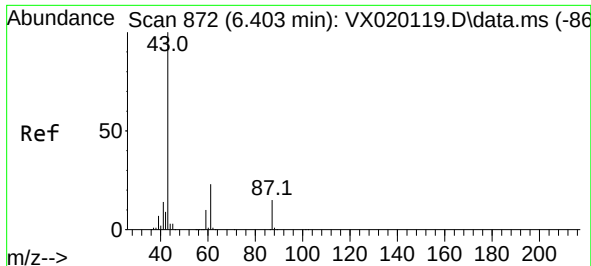


#41
Methacrylonitrile
Concen: 0.31 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.110 min
Lab File: VX020281.D
Acq: 22 Dec 2020 04:06



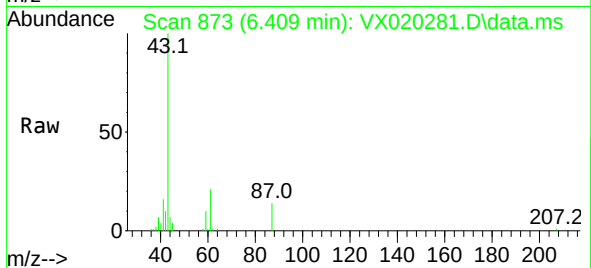
Tgt Ion: 41 Resp: 724
Ion Ratio Lower Upper
41 100
39 45.6 42.5 63.7
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#



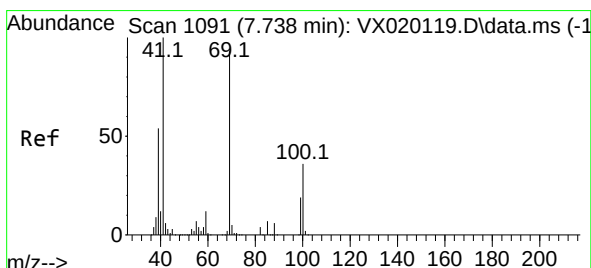
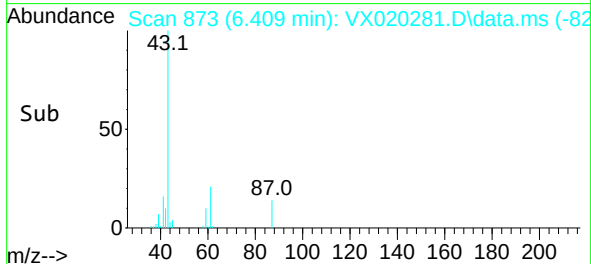
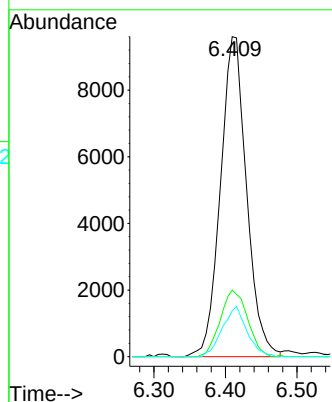


#43
Isopropyl Acetate
Concen: 3.54 ug/l
RT: 6.409 min Scan# 873
Delta R.T. 0.006 min
Lab File: VX020281.D
Acq: 22 Dec 2020 04:06

Instrument :
MSVOA_X
ClientSampleId :

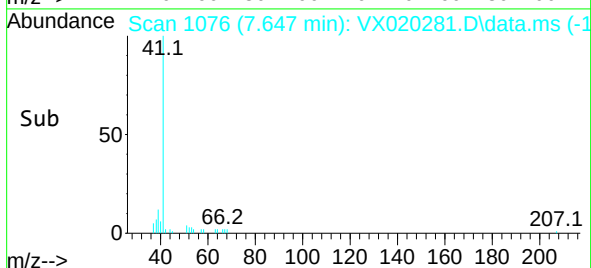
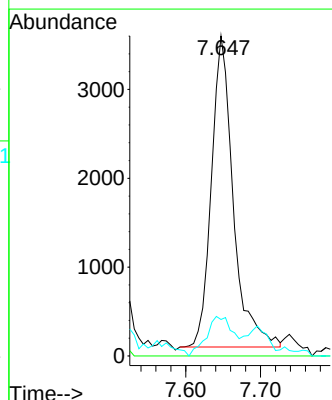
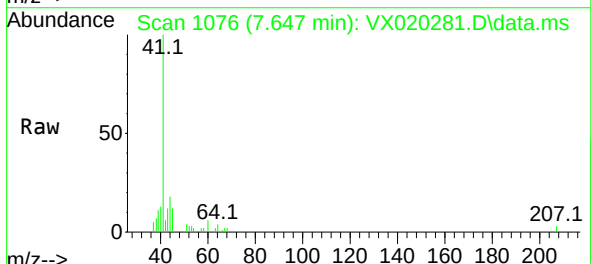


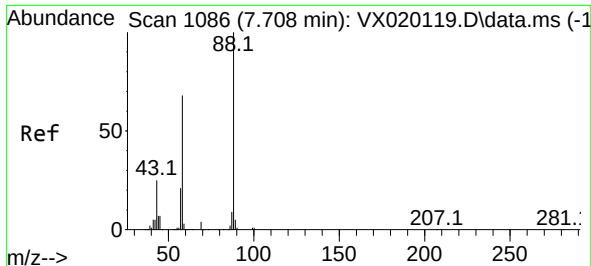
Tgt Ion: 43 Resp: 24381
Ion Ratio Lower Upper
43 100
61 21.7 18.2 27.4
87 14.8 12.5 18.7



#48
Methyl methacrylate
Concen: 2.11 ug/l
RT: 7.647 min Scan# 1076
Delta R.T. -0.091 min
Lab File: VX020281.D
Acq: 22 Dec 2020 04:06

Tgt Ion: 41 Resp: 7115
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#

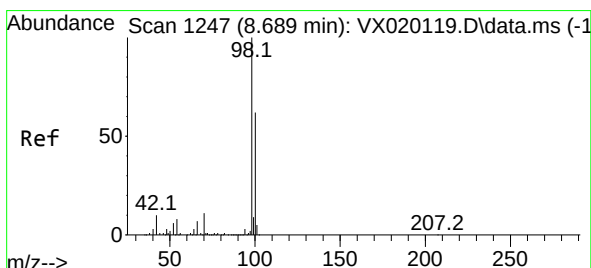
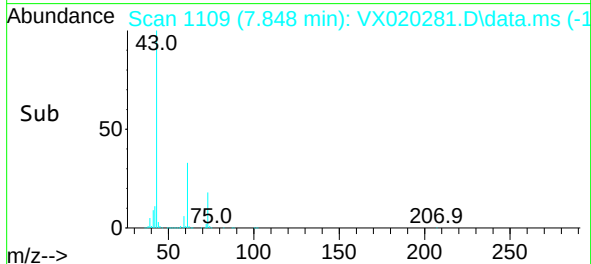
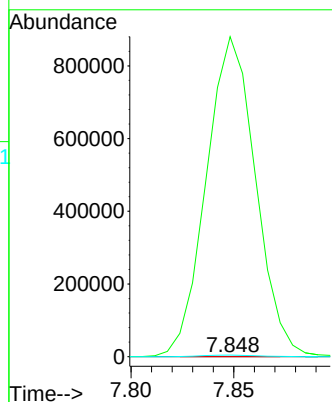
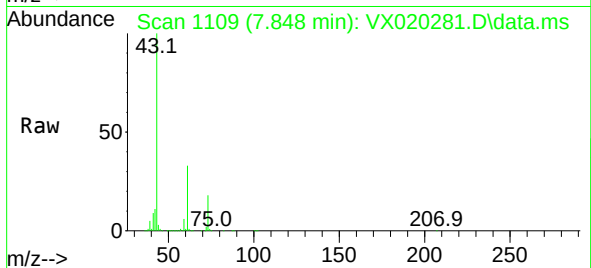




#49
1,4-Dioxane
Concen: 2.93 ug/l
RT: 7.848 min Scan# 1109
Delta R.T. 0.140 min
Lab File: VX020281.D
Acq: 22 Dec 2020 04:06

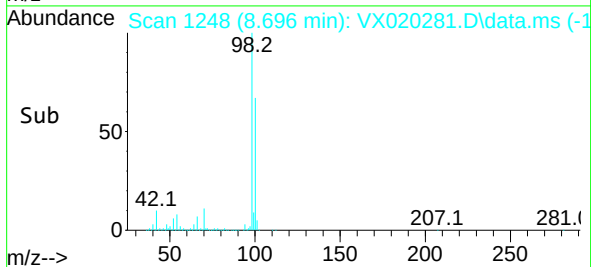
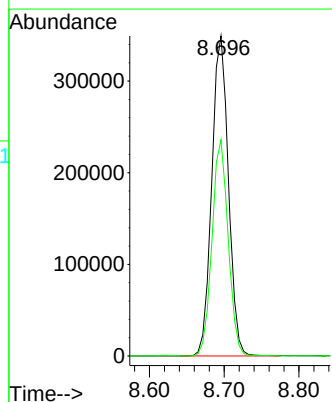
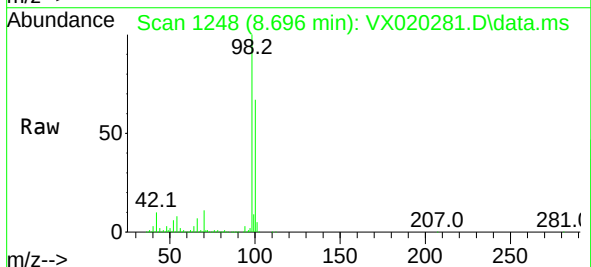
Instrument :
MSVOA_X
ClientSampled :

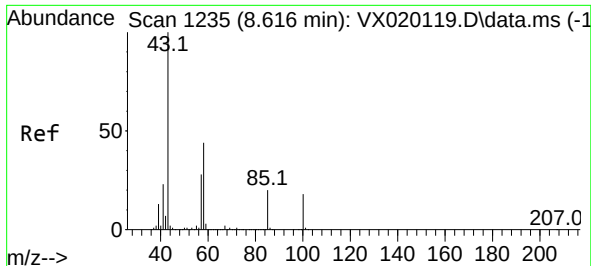
Tgt Ion: 88 Resp: 232
Ion Ratio Lower Upper
88 100
43 638098.3 23.2 34.8#
58 3603.4 55.0 82.4#



#50
Toluene-d8
Concen: 51.71 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020281.D
Acq: 22 Dec 2020 04:06

Tgt Ion: 98 Resp: 541156
Ion Ratio Lower Upper
98 100
100 65.6 51.9 77.9

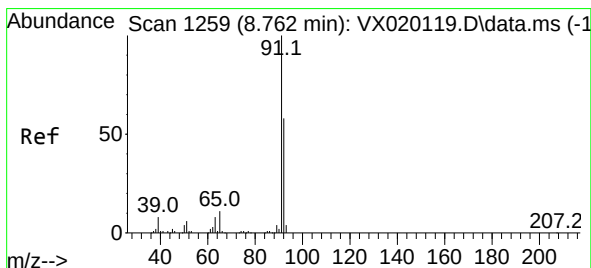
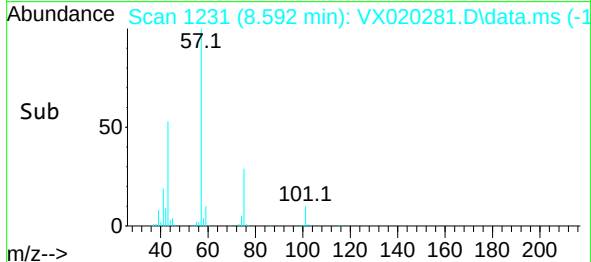
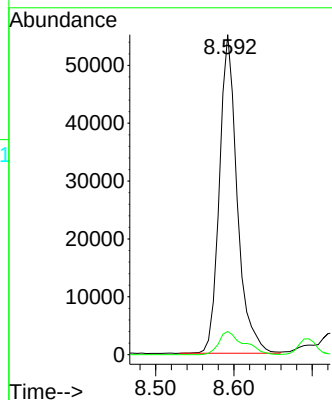
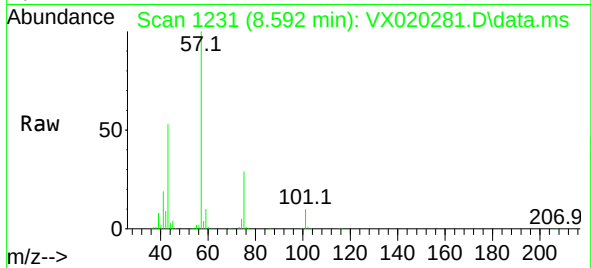




#51
4-Methyl-2-Pentanone
Concen: 20.43 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. -0.024 min
Lab File: VX020281.D
Acq: 22 Dec 2020 04:06

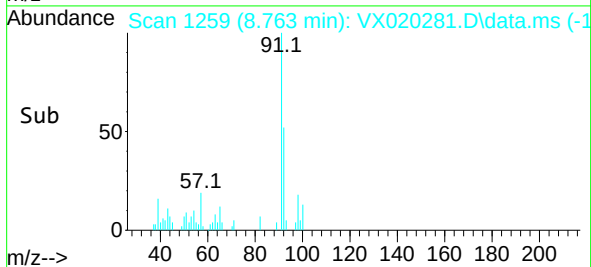
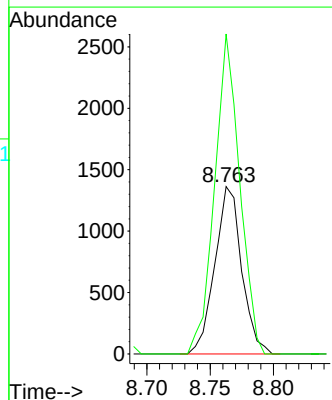
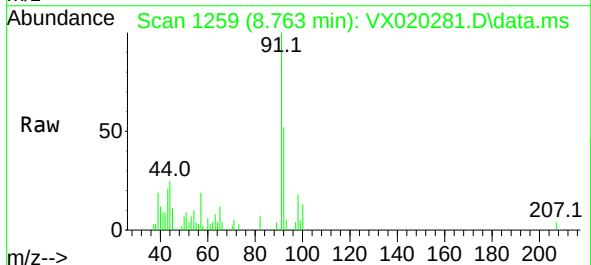
Instrument :
MSVOA_X
ClientSampled :

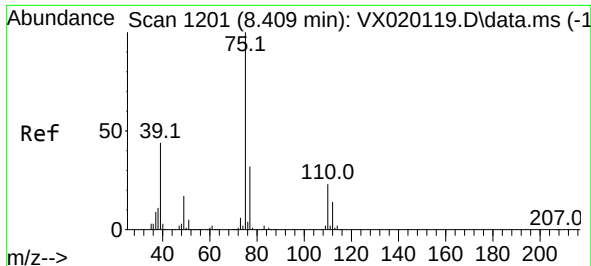
Tgt Ion: 43 Resp: 87158
Ion Ratio Lower Upper
43 100
58 10.2 35.4 53.0#



#52
Toluene
Concen: 0.25 ug/l
RT: 8.763 min Scan# 1259
Delta R.T. 0.001 min
Lab File: VX020281.D
Acq: 22 Dec 2020 04:06

Tgt Ion: 92 Resp: 2010
Ion Ratio Lower Upper
92 100
91 178.5 137.1 205.7

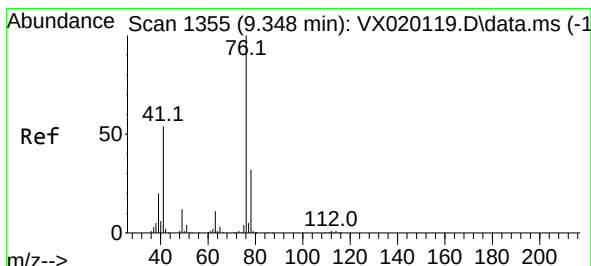
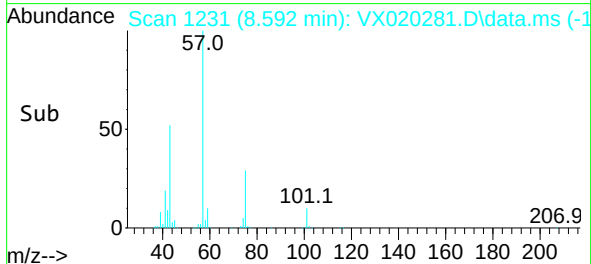
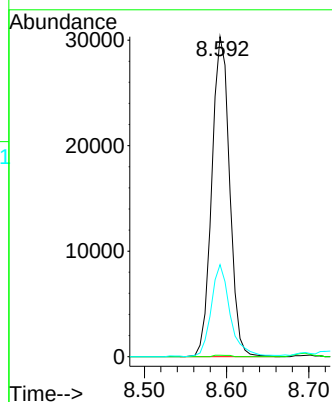
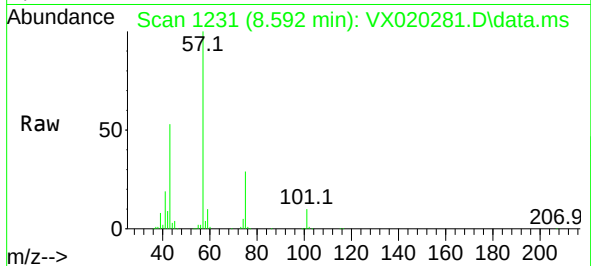




#54
cis-1,3-Dichloropropene
Concen: 8.77 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. 0.183 min
Lab File: VX020281.D
Acq: 22 Dec 2020 04:06

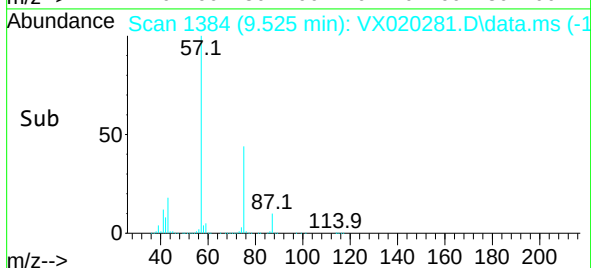
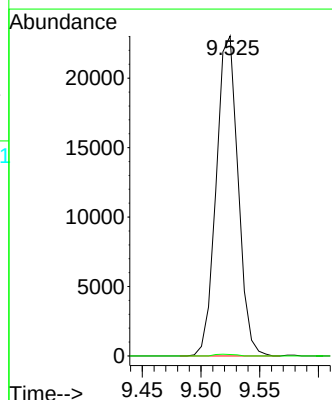
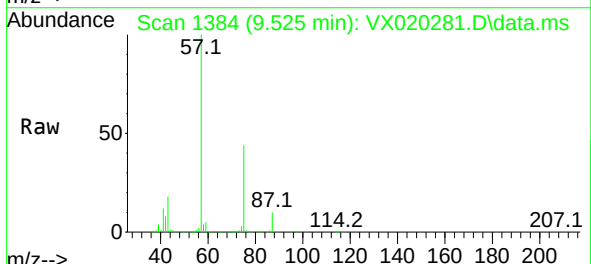
Instrument :
MSVOA_X
ClientSampled :

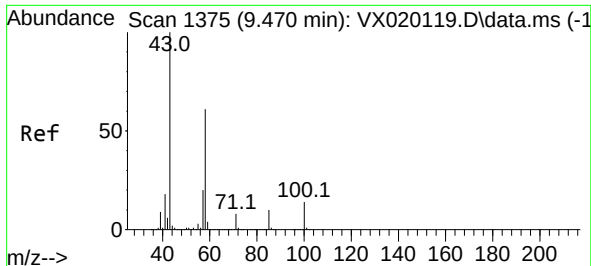
Tgt Ion: 75 Resp: 45661
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 28.6 35.1 52.7#



#57
1,3-Dichloropropane
Concen: 5.32 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.177 min
Lab File: VX020281.D
Acq: 22 Dec 2020 04:06

Tgt Ion: 76 Resp: 29809
Ion Ratio Lower Upper
76 100
78 0.5 26.2 39.2#

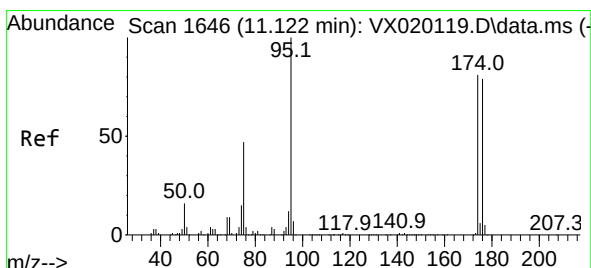
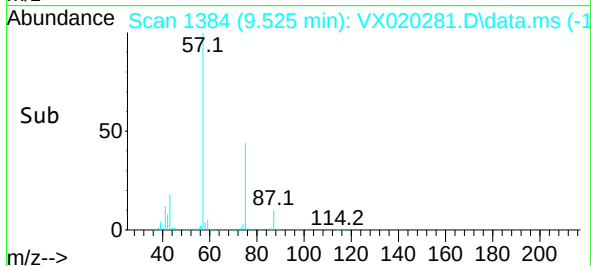
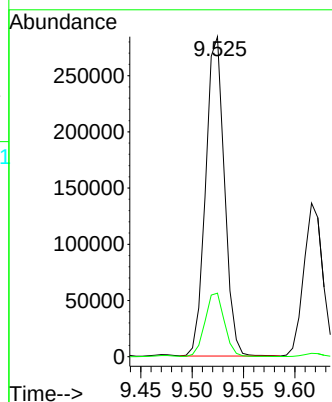
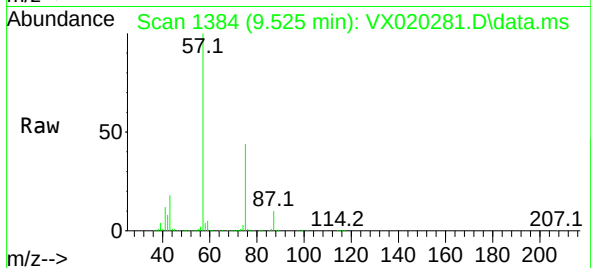




#59
2-Hexanone
Concen: 111.55 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.055 min
Lab File: VX020281.D
Acq: 22 Dec 2020 04:06

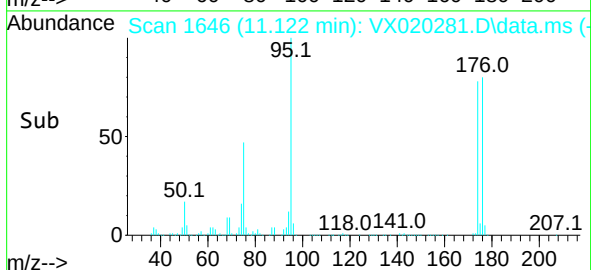
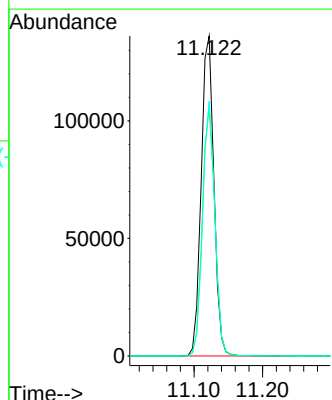
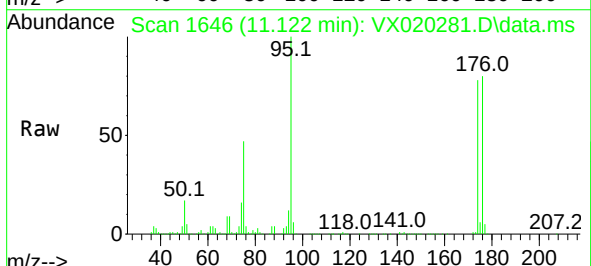
Instrument :
MSVOA_X
ClientSampled :

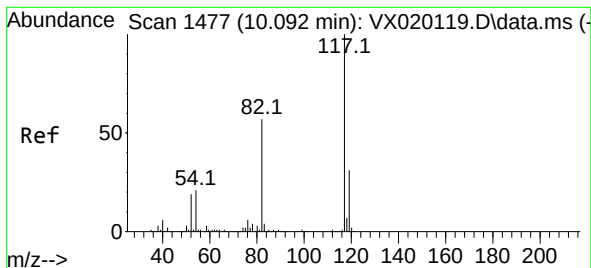
Tgt Ion: 43 Resp: 362666
Ion Ratio Lower Upper
43 100
58 20.5 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 43.89 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020281.D
Acq: 22 Dec 2020 04:06

Tgt Ion: 95 Resp: 175791
Ion Ratio Lower Upper
95 100
174 77.3 0.0 154.6
176 76.4 0.0 155.8

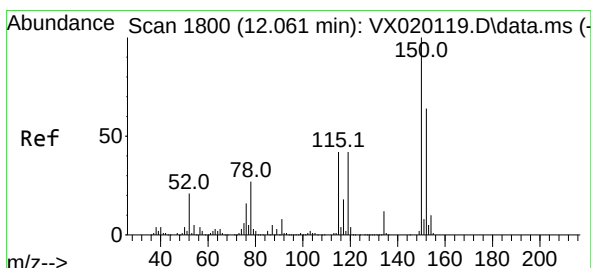
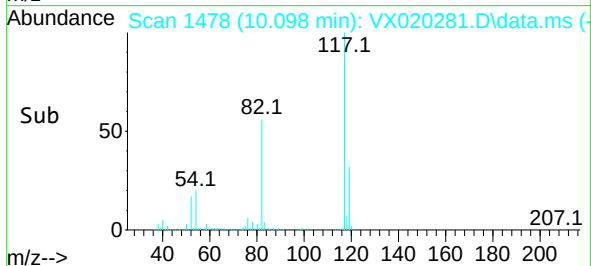
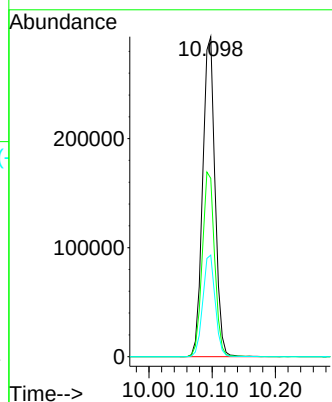
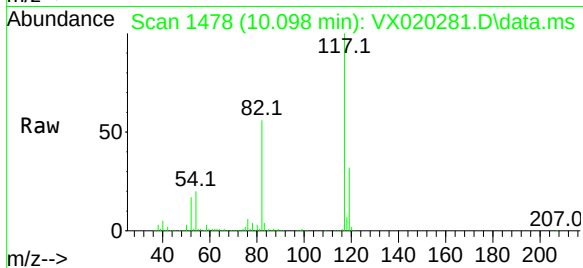




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020281.D
Acq: 22 Dec 2020 04:06

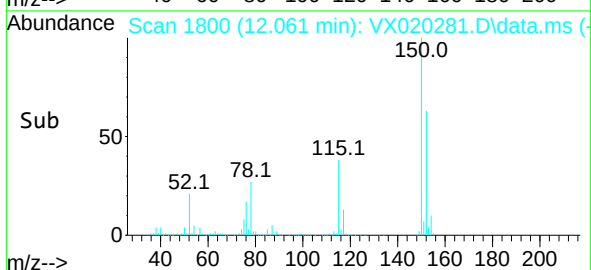
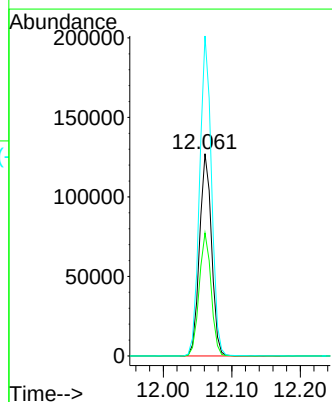
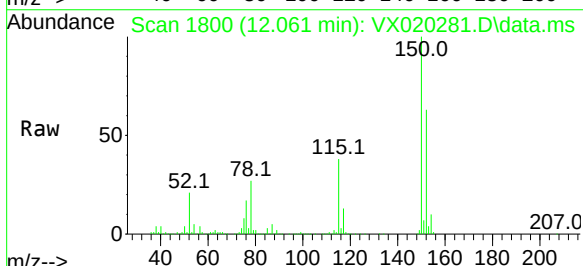
Instrument :
MSVOA_X
ClientSampleId :

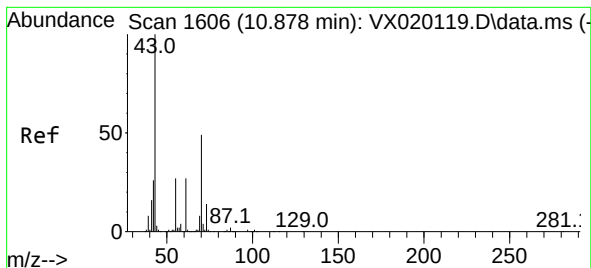
Tgt Ion:117 Resp: 399240
Ion Ratio Lower Upper
117 100
82 55.7 47.4 71.2
119 31.7 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020281.D
Acq: 22 Dec 2020 04:06

Tgt Ion:152 Resp: 155231
Ion Ratio Lower Upper
152 100
115 60.3 41.1 123.3
150 156.2 0.0 349.0

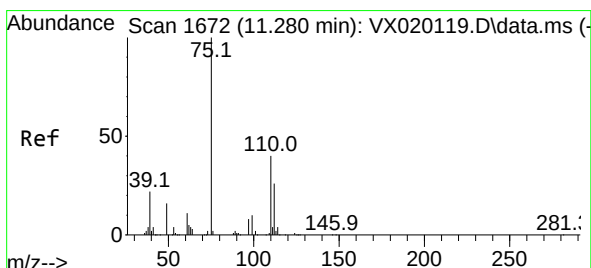
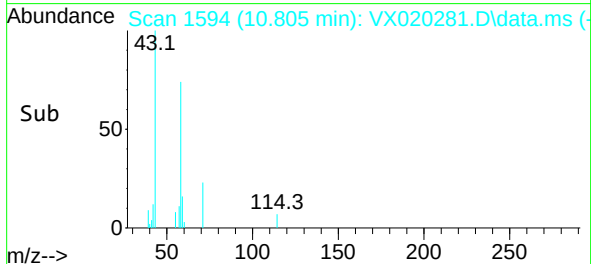
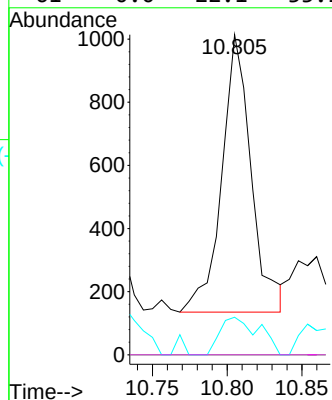
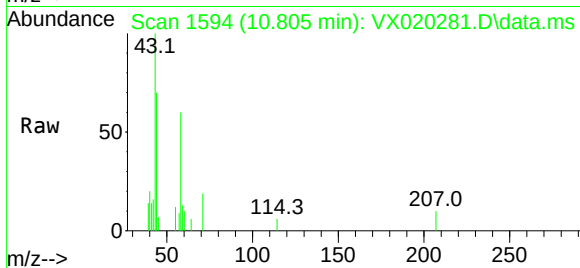




#74
N-amy1 acetate
Concen: 0.27 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. -0.073 min
Lab File: VX020281.D
Acq: 22 Dec 2020 04:06

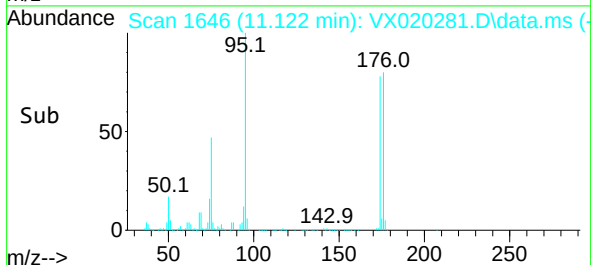
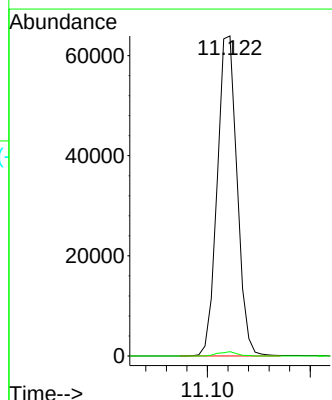
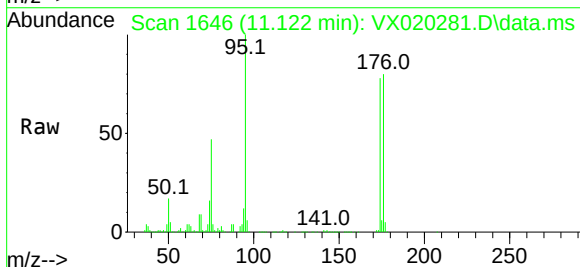
Instrument :
MSVOA_X
ClientSampleId :

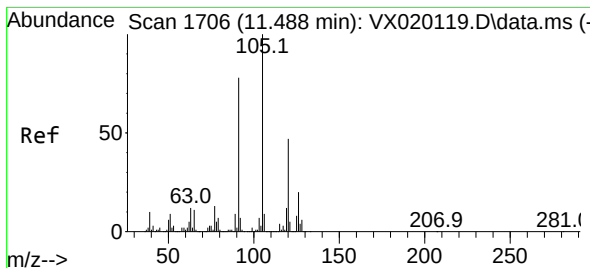
Tgt Ion: 43 Resp: 1204
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 17.9 21.5 32.3#
61 0.0 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 22.37 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020281.D
Acq: 22 Dec 2020 04:06

Tgt Ion: 75 Resp: 85519
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#

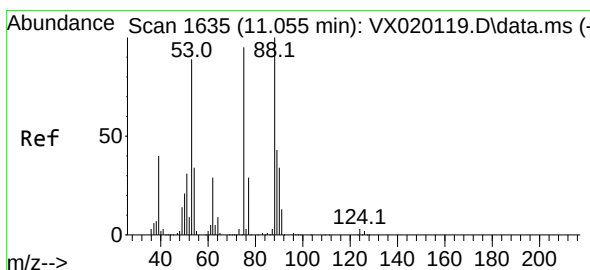
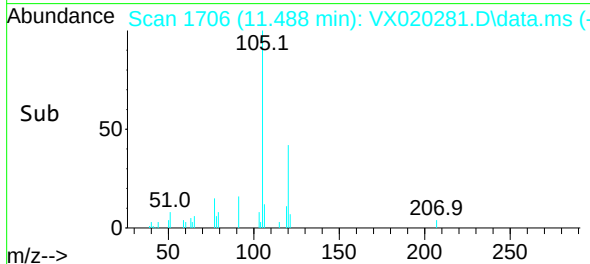
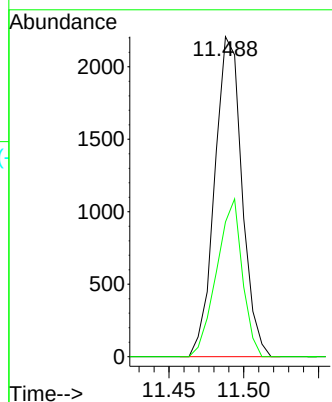
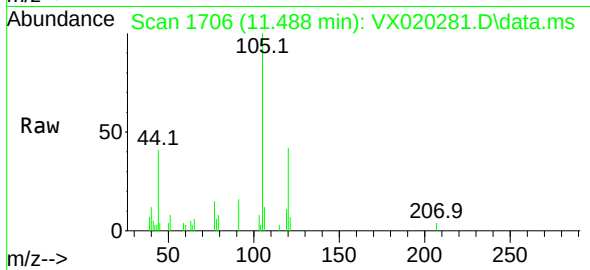




#80
1,3,5-Trimethylbenzene
Concen: 0.29 ug/l
RT: 11.488 min Scan# 1706
Delta R.T. -0.000 min
Lab File: VX020281.D
Acq: 22 Dec 2020 04:06

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:105 Resp: 2799
Ion Ratio Lower Upper
105 100
120 46.3 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 66.35 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020281.D
Acq: 22 Dec 2020 04:06

Tgt Ion: 75 Resp: 85519
Ion Ratio Lower Upper
75 100
53 0.2 74.5 111.7#
89 0.0 37.9 56.9#

