

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031121\
 Data File : VX021152.D
 Acq On : 11 Mar 2021 13:35
 Operator : JC/MD
 Sample : PB135104TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

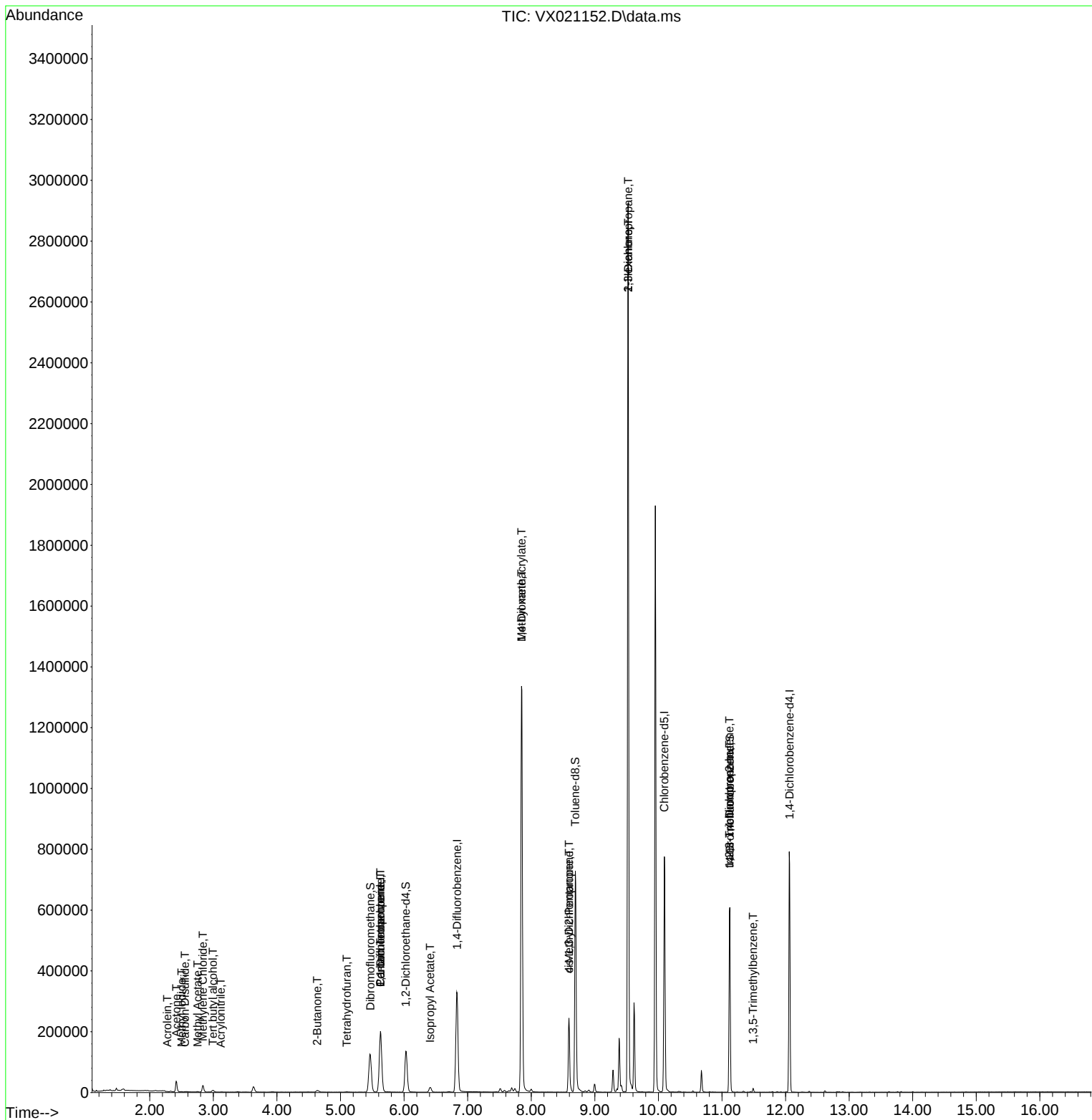
Quant Time: Mar 12 02:19:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 24 13:50:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.629	168	189576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.835	114	352116	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	363098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.065	152	167970	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	127910	49.95	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 99.90%			
35) Dibromofluoromethane	5.470	113	111459	52.10	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.20%			
50) Toluene-d8	8.694	98	457157	54.80	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 109.60%			
62) 4-Bromofluorobenzene	11.123	95	174148	56.46	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 112.92%			
Target Compounds						Qvalue
5) Bromomethane	1.634	94	459	Below Cal		98
10) Methyl Iodide	2.499	142	885	0.32 ug/l #		92
11) Tert butyl alcohol	2.993	59	3736	6.55 ug/l #		75
13) Acrolein	2.275	56	289	0.82 ug/l		93
15) Acrylonitrile	3.117	53	246	0.20 ug/l #		74
16) Acetone	2.416	43	36692	34.77 ug/l		100
17) Carbon Disulfide	2.552	76	1266	0.21 ug/l #		85
18) Methyl Acetate	2.752	43	1711	0.69 ug/l		92
20) Methylene Chloride	2.834	84	10432	4.12 ug/l		96
25) 2-Butanone	4.634	43	7031	4.39 ug/l		94
29) Tetrahydrofuran	5.099	42	981	0.95 ug/l #		72
36) 1,1-Dichloropropene	5.629	75	14677	4.39 ug/l #		48
38) Carbon Tetrachloride	5.629	117	18366	5.66 ug/l #		16
43) Isopropyl Acetate	6.411	43	21062	3.89 ug/l		99
48) Methyl methacrylate	7.847	41	111404	41.00 ug/l #		36
49) 1,4-Dioxane	7.847	88	197	3.11 ug/l #		1
51) 4-Methyl-2-Pentanone	8.594	43	80397	25.49 ug/l #		47
54) cis-1,3-Dichloropropene	8.594	75	41916	9.68 ug/l #		59
57) 1,3-Dichloropropane	9.523	76	26584	6.28 ug/l #		42
59) 2-Hexanone	9.523	43	318205	134.49 ug/l #		46
76) 1,2,3-Trichloropropane	11.118	75	84845	23.48 ug/l #		39
80) 1,3,5-Trimethylbenzene	11.488	105	4689	0.42 ug/l		93
81) trans-1,4-Dichloro-2-b...	11.118	75	84845	51.98 ug/l #		12

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

Quant Time: Mar 12 02:19:35 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 24 13:50:55 2021
Response via : Initial Calibration

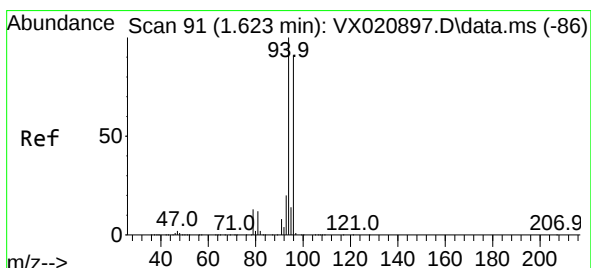
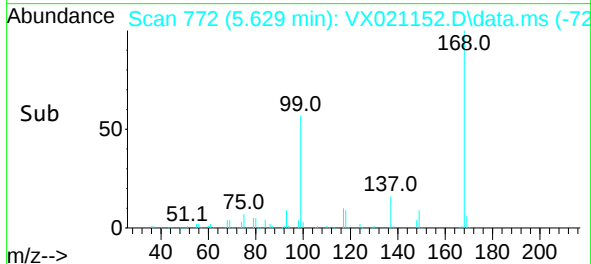
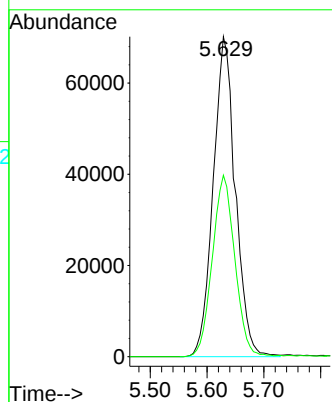
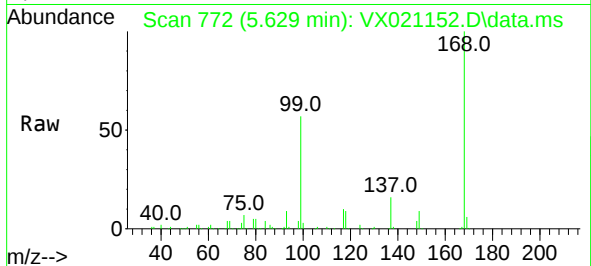




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.006 min
Lab File: VX021152.D
Acq: 11 Mar 2021 13:35

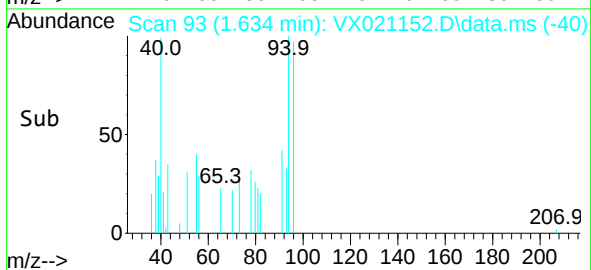
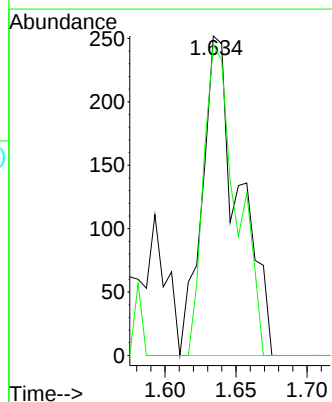
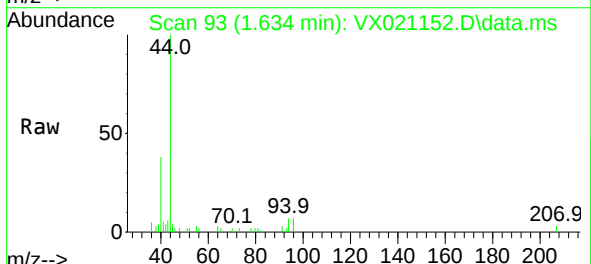
Instrument :
MSVOA_X
ClientSampleId :

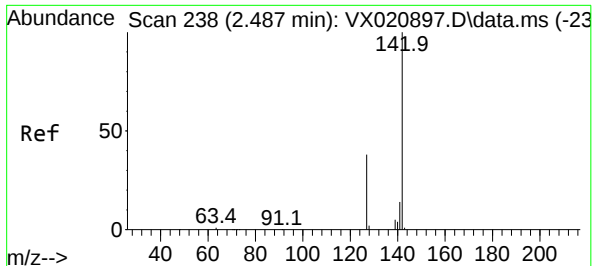
Tgt Ion:168 Resp: 189576
Ion Ratio Lower Upper
168 100
99 56.7 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.634 min Scan# 93
Delta R.T. 0.011 min
Lab File: VX021152.D
Acq: 11 Mar 2021 13:35

Tgt Ion: 94 Resp: 459
Ion Ratio Lower Upper
94 100
96 97.2 76.4 114.6

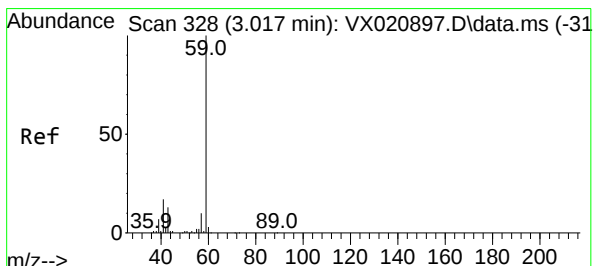
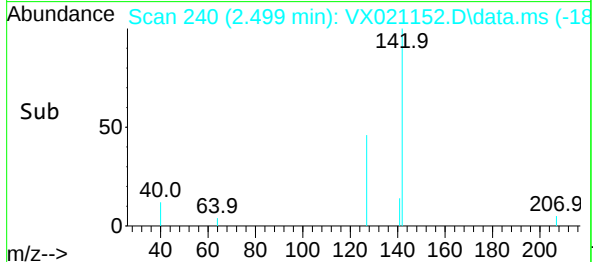
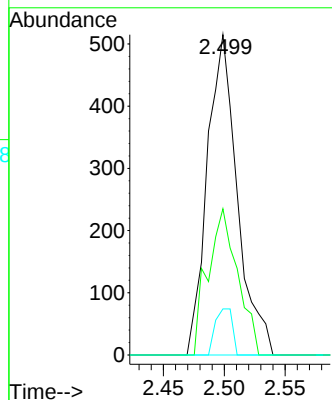
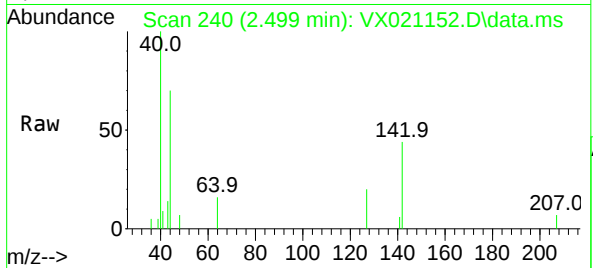




#10
Methyl Iodide
Concen: 0.32 ug/l
RT: 2.499 min Scan# 240
Delta R.T. 0.011 min
Lab File: VX021152.D
Acq: 11 Mar 2021 13:35

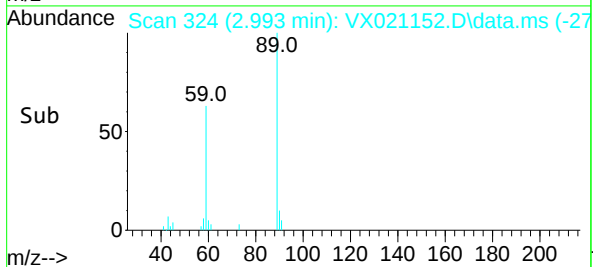
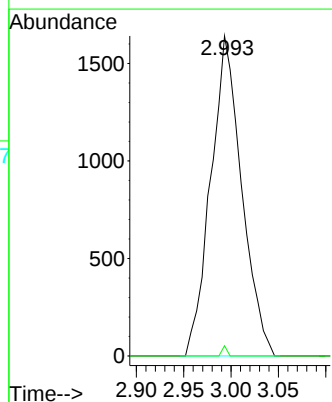
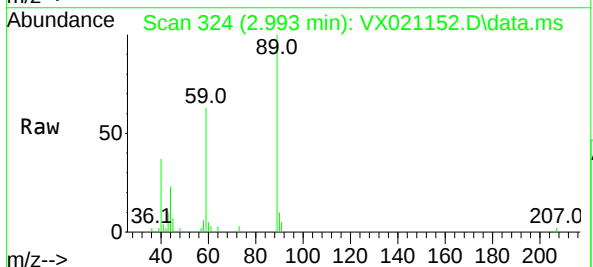
Instrument :
MSVOA_X
ClientSampled :

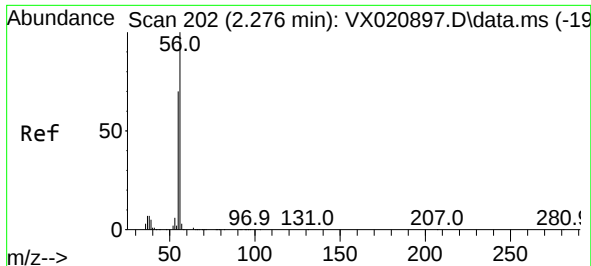
Tgt Ion:142 Resp: 885
Ion Ratio Lower Upper
142 100
127 45.3 33.3 49.9
141 8.1 11.4 17.0#



#11
Tert butyl alcohol
Concen: 6.55 ug/l
RT: 2.993 min Scan# 324
Delta R.T. -0.024 min
Lab File: VX021152.D
Acq: 11 Mar 2021 13:35

Tgt Ion: 59 Resp: 3736
Ion Ratio Lower Upper
59 100
57 0.5 7.8 11.8#

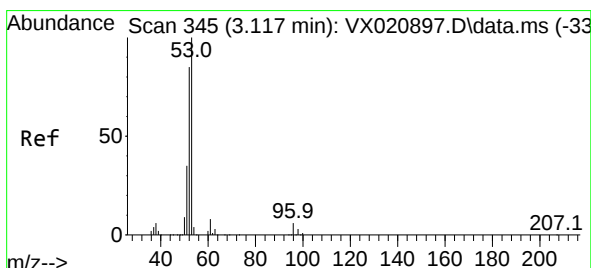
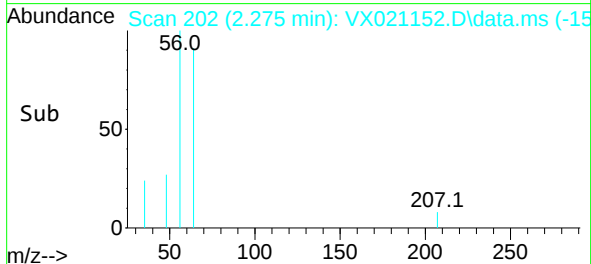
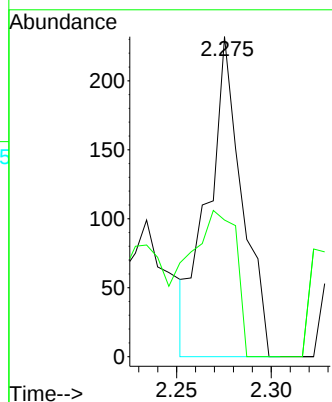
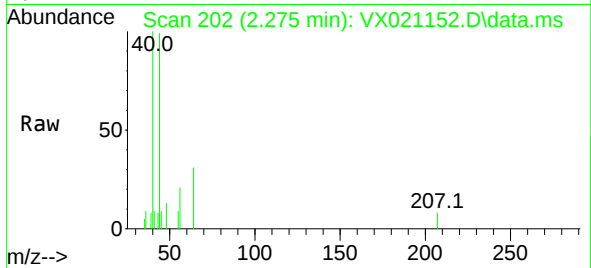




#13
Acrolein
Concen: 0.82 ug/l
RT: 2.275 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX021152.D
Acq: 11 Mar 2021 13:35

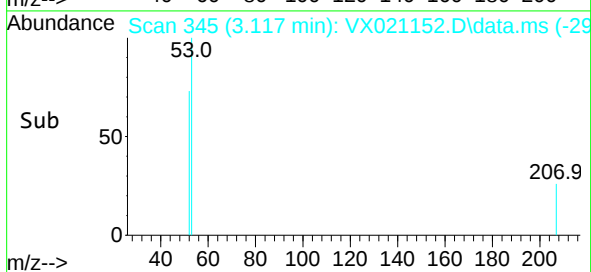
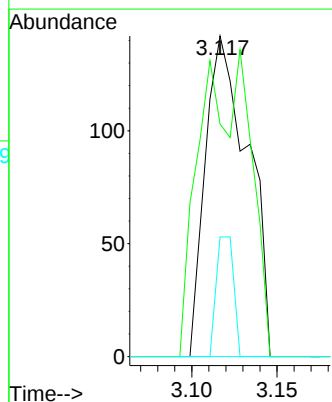
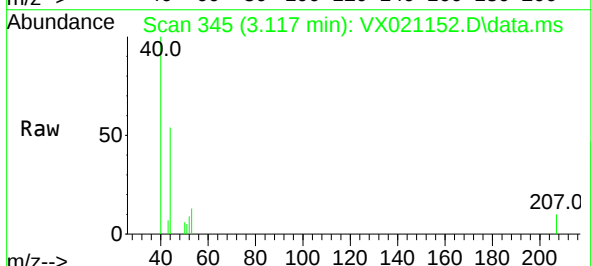
Instrument :
MSVOA_X
ClientSampled :

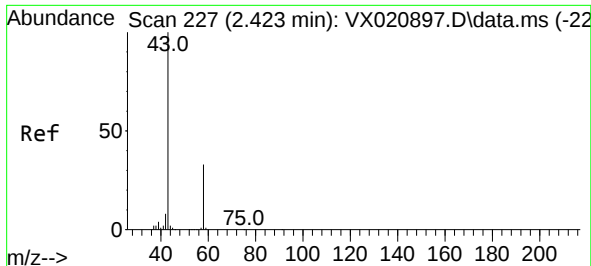
Tgt Ion: 56 Resp: 289
Ion Ratio Lower Upper
56 100
55 64.4 56.4 84.6



#15
Acrylonitrile
Concen: 0.20 ug/l
RT: 3.117 min Scan# 345
Delta R.T. -0.000 min
Lab File: VX021152.D
Acq: 11 Mar 2021 13:35

Tgt Ion: 53 Resp: 246
Ion Ratio Lower Upper
53 100
52 71.1 65.3 97.9
51 0.0 28.2 42.2#

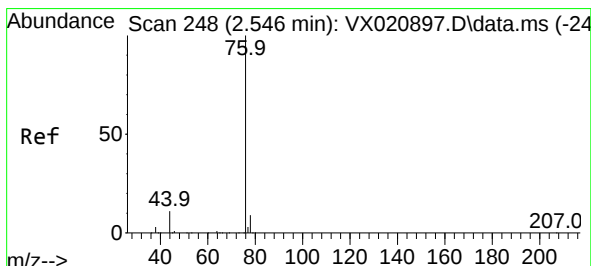
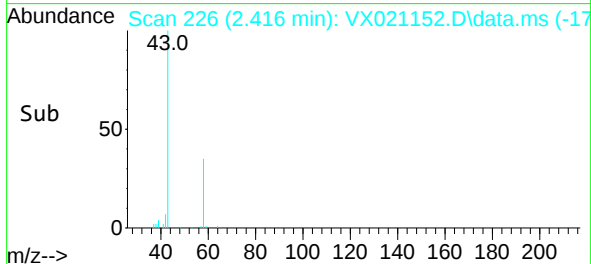
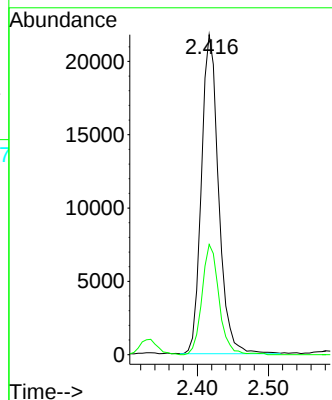
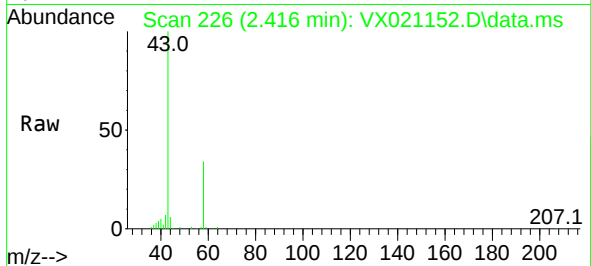




#16
Acetone
Concen: 34.77 ug/l
RT: 2.416 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX021152.D
Acq: 11 Mar 2021 13:35

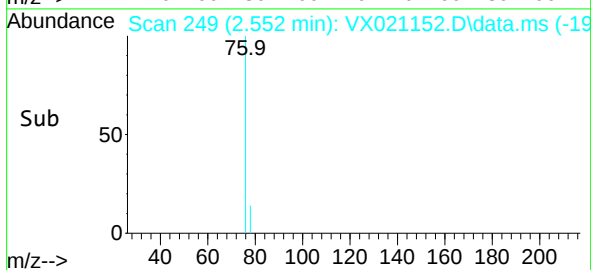
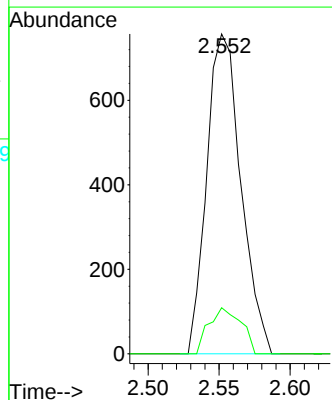
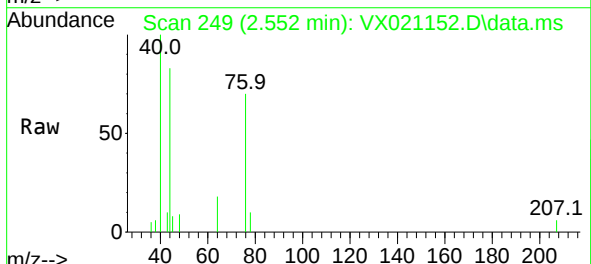
Instrument :
MSVOA_X
ClientSampled :

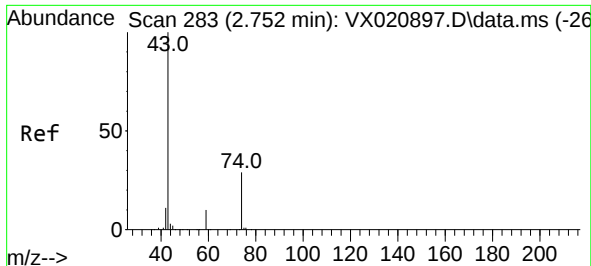
Tgt Ion: 43 Resp: 36692
Ion Ratio Lower Upper
43 100
58 34.5 27.8 41.8



#17
Carbon Disulfide
Concen: 0.21 ug/l
RT: 2.552 min Scan# 249
Delta R.T. 0.006 min
Lab File: VX021152.D
Acq: 11 Mar 2021 13:35

Tgt Ion: 76 Resp: 1266
Ion Ratio Lower Upper
76 100
78 14.4 7.2 10.8#

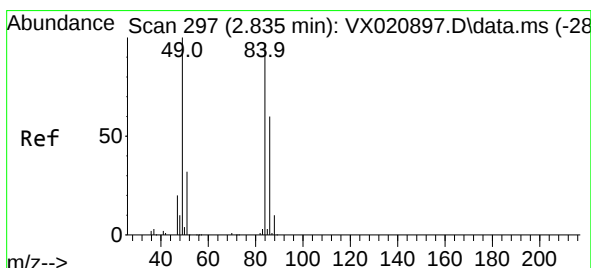
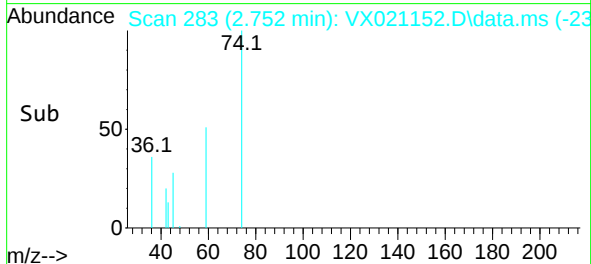
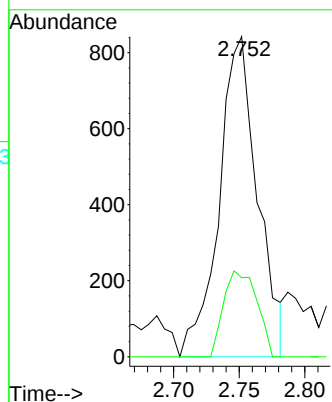
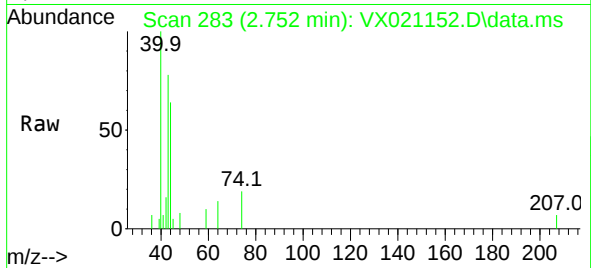




#18
Methyl Acetate
Concen: 0.69 ug/l
RT: 2.752 min Scan# 283
Delta R.T. -0.000 min
Lab File: VX021152.D
Acq: 11 Mar 2021 13:35

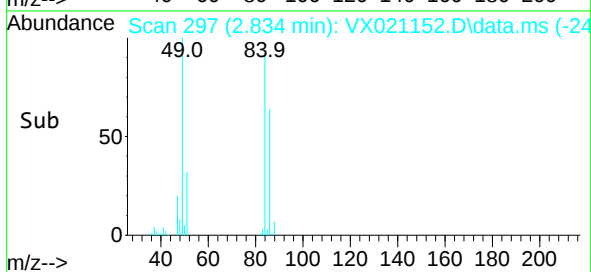
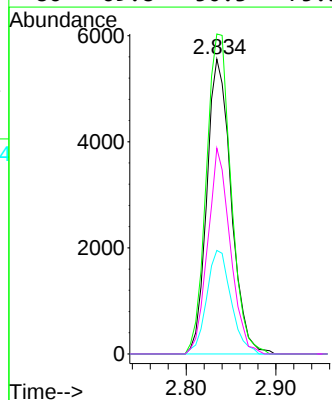
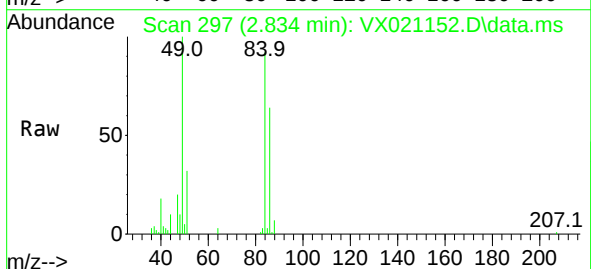
Instrument :
MSVOA_X
ClientSampleId :

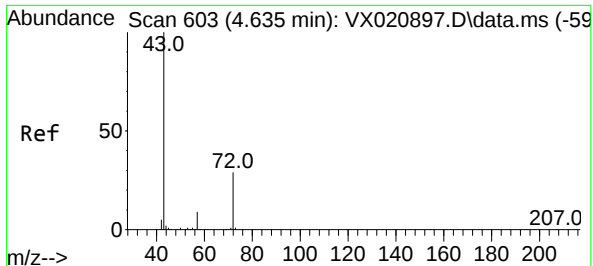
Tgt Ion: 43 Resp: 1711
Ion Ratio Lower Upper
43 100
74 23.3 21.9 32.9



#20
Methylene Chloride
Concen: 4.12 ug/l
RT: 2.834 min Scan# 297
Delta R.T. -0.000 min
Lab File: VX021152.D
Acq: 11 Mar 2021 13:35

Tgt Ion: 84 Resp: 10432
Ion Ratio Lower Upper
84 100
49 108.5 88.6 132.8
51 35.1 27.0 40.6
86 69.8 50.3 75.5





#25

2-Butanone

Concen: 4.39 ug/l

RT: 4.634 min Scan# 603

Delta R.T. -0.000 min

Lab File: VX021152.D

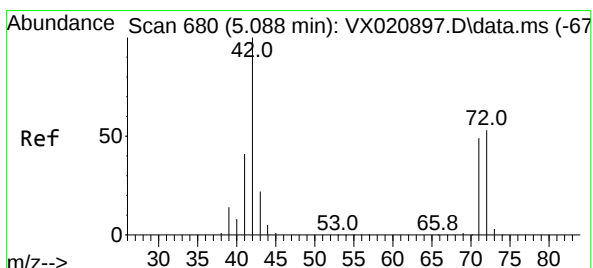
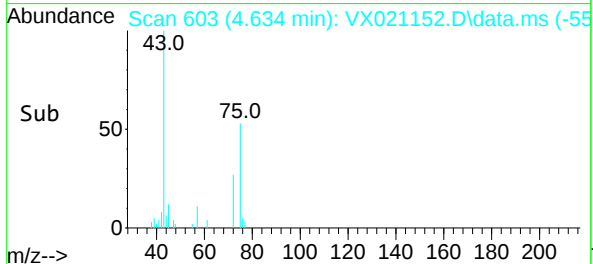
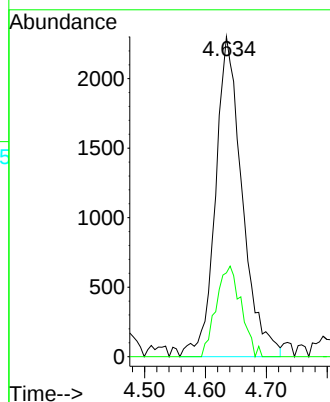
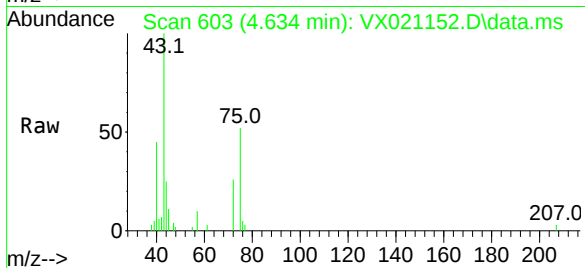
Acq: 11 Mar 2021 13:35

Tgt Ion: 43 Resp: 7031

Ion Ratio Lower Upper

43 100

72 26.2 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.95 ug/l

RT: 5.099 min Scan# 682

Delta R.T. 0.011 min

Lab File: VX021152.D

Acq: 11 Mar 2021 13:35

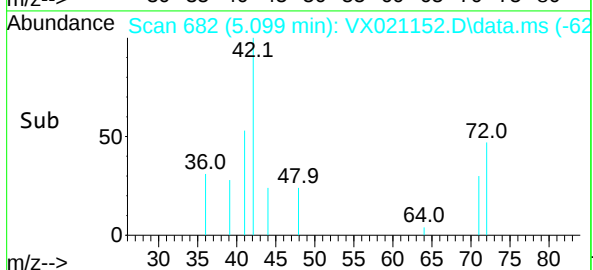
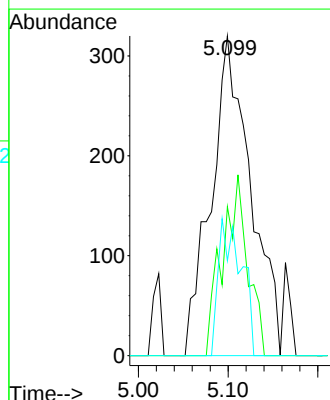
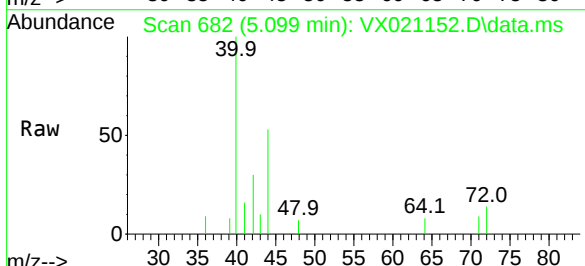
Tgt Ion: 42 Resp: 981

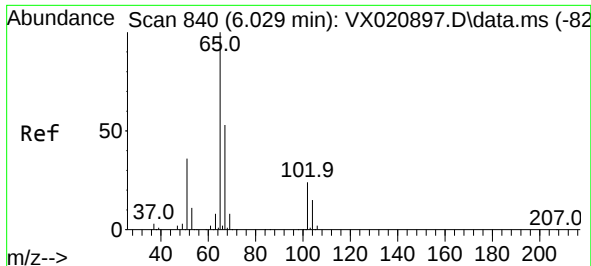
Ion Ratio Lower Upper

42 100

72 36.1 41.7 62.5#

71 24.9 38.4 57.6#





#33

1,2-Dichloroethane-d4

Concen: 49.95 ug/l

RT: 6.029 min Scan# 840

Delta R.T. -0.000 min

Lab File: VX021152.D

Acq: 11 Mar 2021 13:35

Tgt Ion: 65 Resp: 127910

Ion Ratio Lower Upper

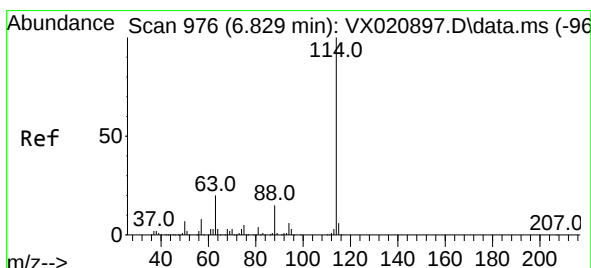
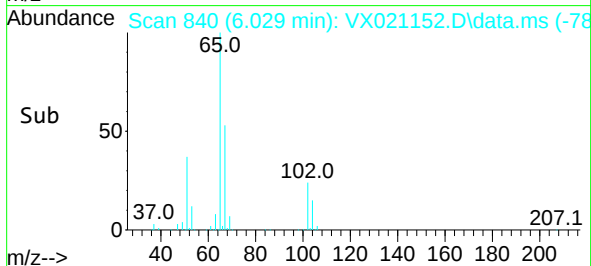
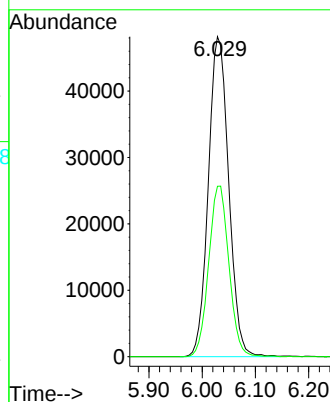
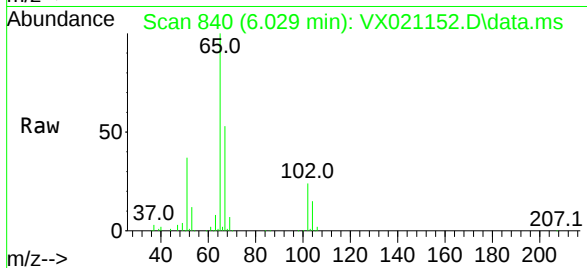
65 100

67 52.9 0.0 105.4

Instrument :

MSVOA_X

ClientSampled :



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.835 min Scan# 977

Delta R.T. 0.006 min

Lab File: VX021152.D

Acq: 11 Mar 2021 13:35

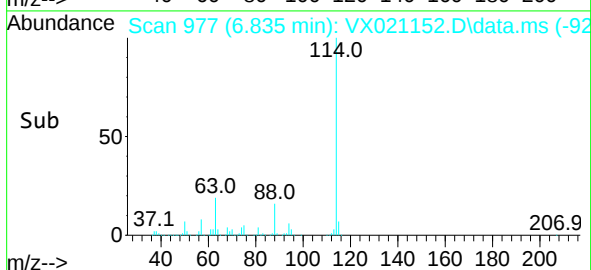
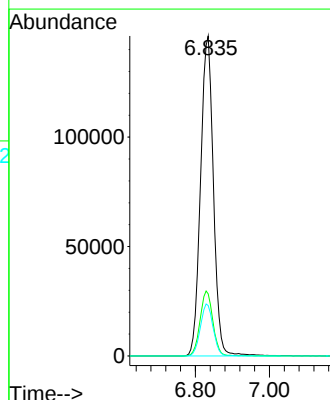
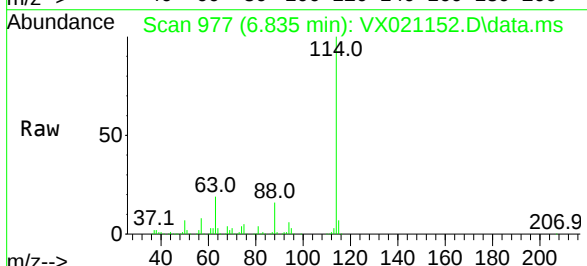
Tgt Ion: 114 Resp: 352116

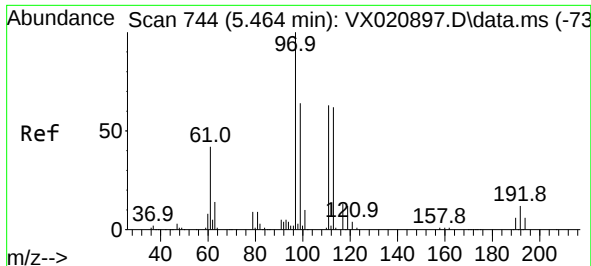
Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.8

88 15.7 0.0 32.8

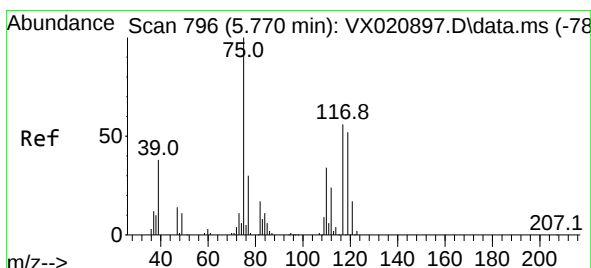
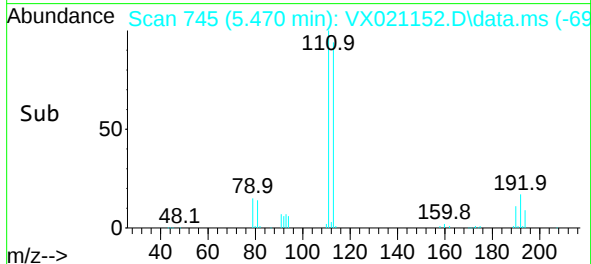
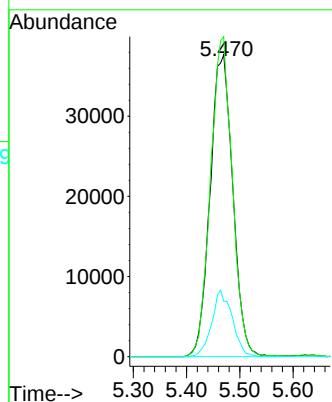
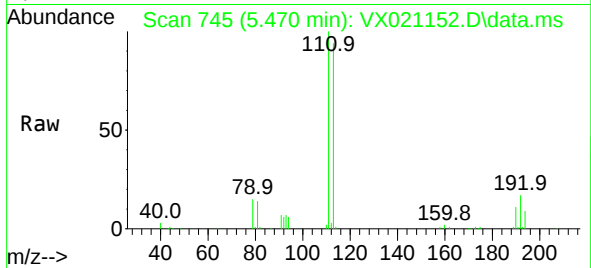




#35
Dibromofluoromethane
Concen: 52.10 ug/l
RT: 5.470 min Scan# 745
Delta R.T. 0.006 min
Lab File: VX021152.D
Acq: 11 Mar 2021 13:35

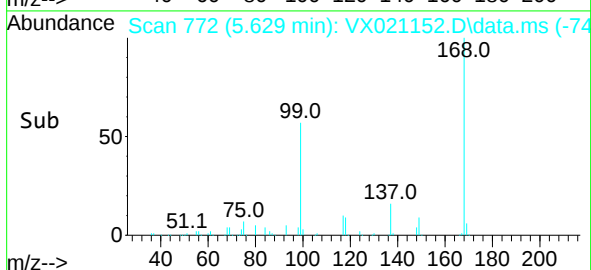
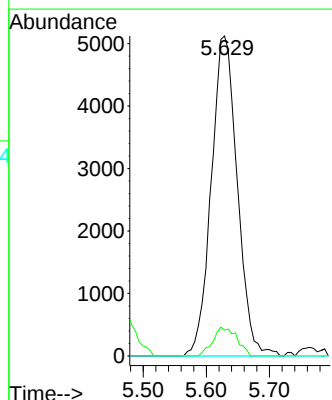
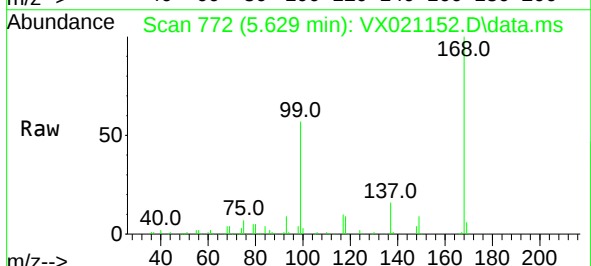
Instrument :
MSVOA_X
ClientSampleId :

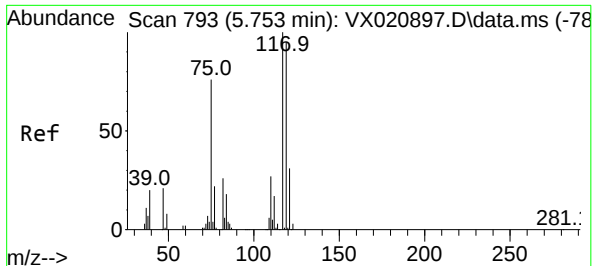
Tgt Ion:113 Resp: 111459
Ion Ratio Lower Upper
113 100
111 101.8 81.9 122.9
192 19.9 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.39 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.142 min
Lab File: VX021152.D
Acq: 11 Mar 2021 13:35

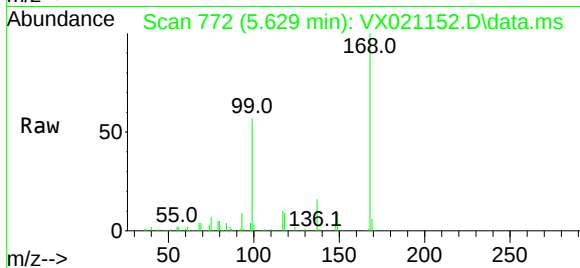
Tgt Ion: 75 Resp: 14677
Ion Ratio Lower Upper
75 100
110 8.2 18.1 54.4#
77 0.0 25.3 37.9#



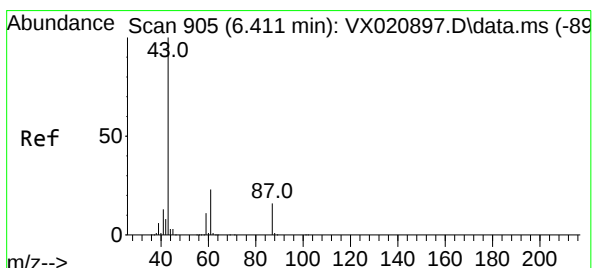
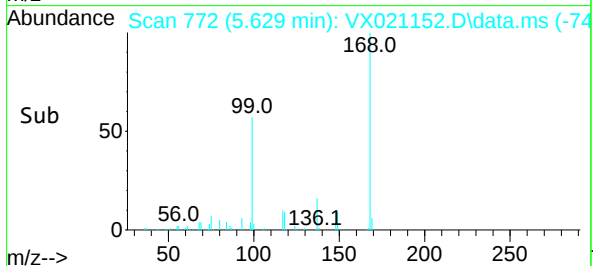
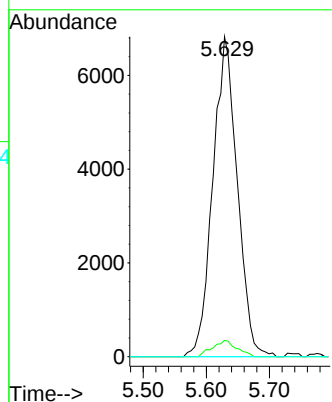


#38
Carbon Tetrachloride
Concen: 5.66 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.124 min
Lab File: VX021152.D
Acq: 11 Mar 2021 13:35

Instrument :
MSVOA_X
ClientSampleId :

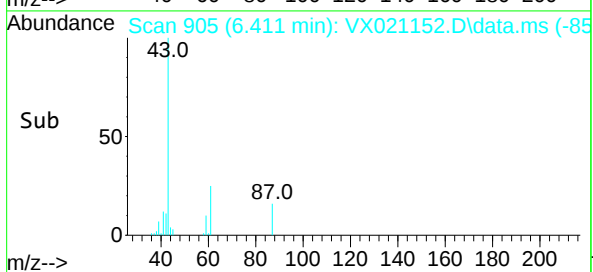
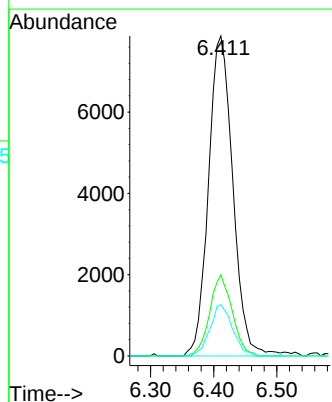
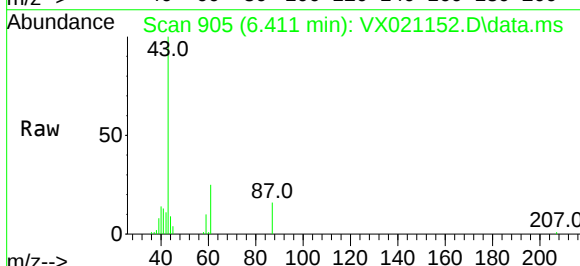


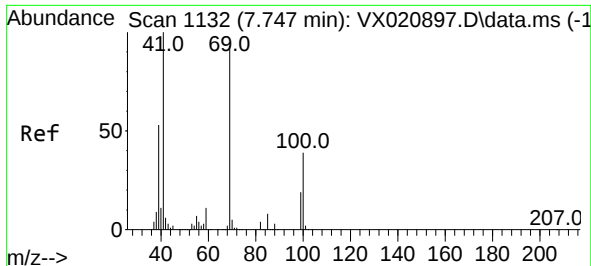
Tgt Ion:117 Resp: 18366
Ion Ratio Lower Upper
117 100
119 5.1 76.2 114.2#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 3.89 ug/l
RT: 6.411 min Scan# 905
Delta R.T. -0.000 min
Lab File: VX021152.D
Acq: 11 Mar 2021 13:35

Tgt Ion: 43 Resp: 21062
Ion Ratio Lower Upper
43 100
61 23.3 18.2 27.4
87 14.9 12.5 18.7





#48

Methyl methacrylate

Concen: 41.00 ug/l

RT: 7.847 min Scan# 1149

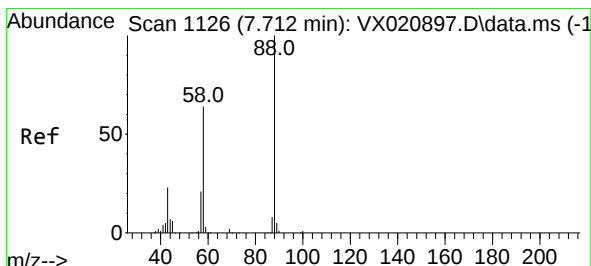
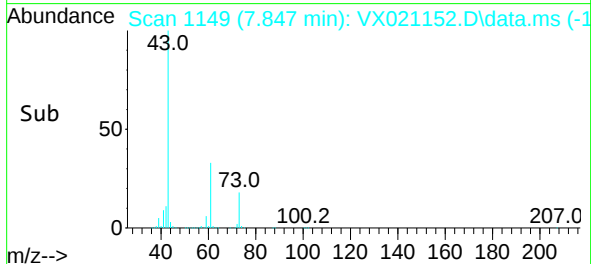
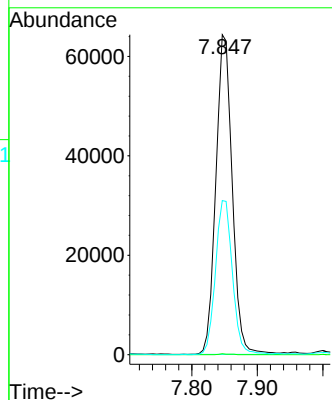
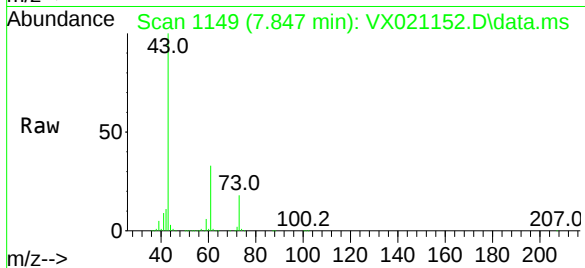
Delta R.T. 0.100 min

Lab File: VX021152.D

Acq: 11 Mar 2021 13:35

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 41 Resp: 111404
Ion Ratio Lower Upper
41 100
69 0.2 76.0 114.0#
39 50.0 44.6 67.0



#49

1,4-Dioxane

Concen: 3.11 ug/l

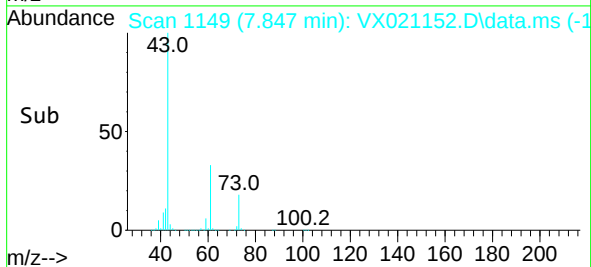
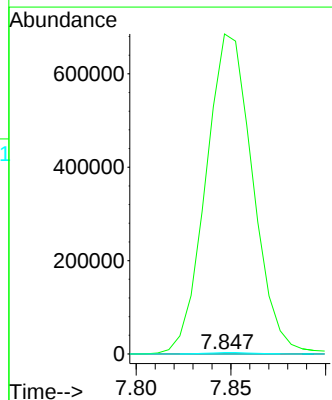
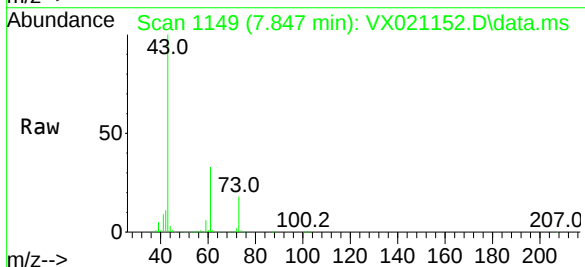
RT: 7.847 min Scan# 1149

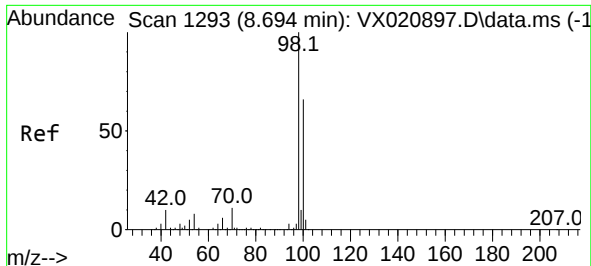
Delta R.T. 0.135 min

Lab File: VX021152.D

Acq: 11 Mar 2021 13:35

Tgt Ion: 88 Resp: 197
Ion Ratio Lower Upper
88 100
43 605988.8 23.2 34.8#
58 2731.0 55.0 82.4#

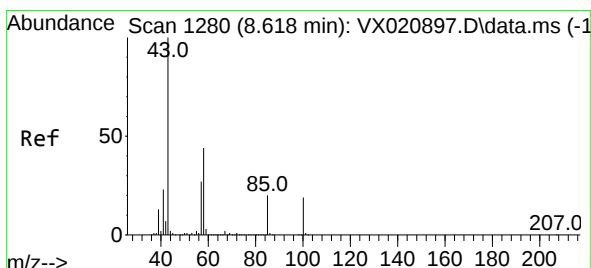
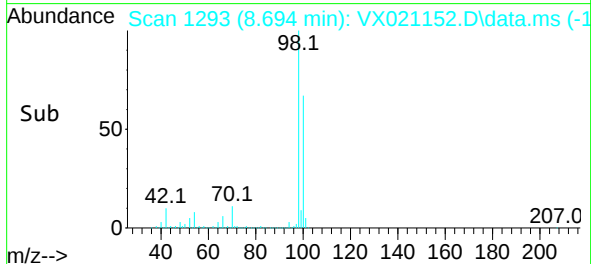
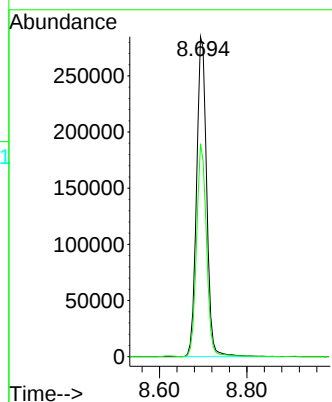
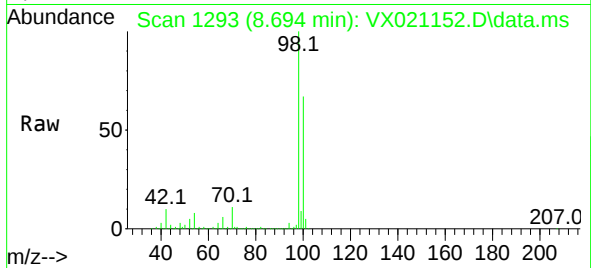




#50
Toluene-d8
Concen: 54.80 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021152.D
Acq: 11 Mar 2021 13:35

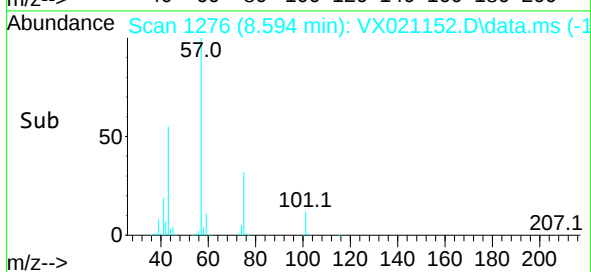
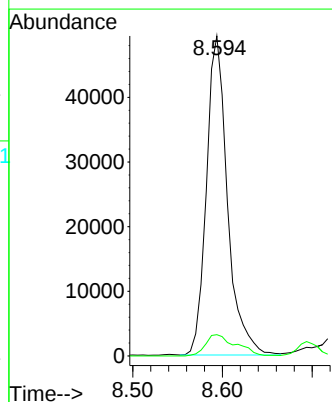
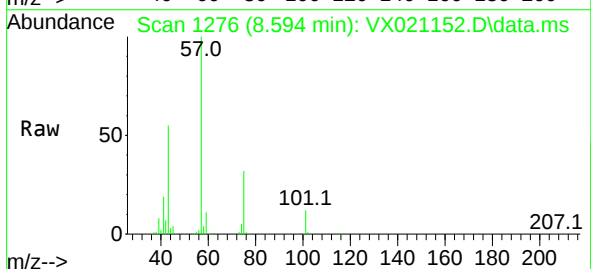
Instrument :
MSVOA_X
ClientSampled :

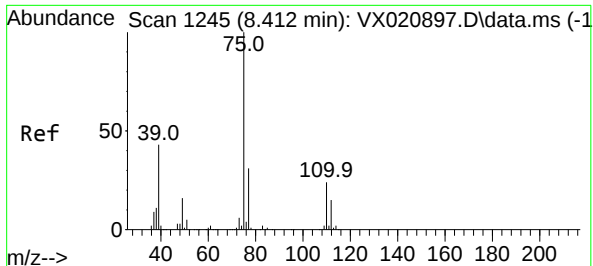
Tgt Ion: 98 Resp: 457157
Ion Ratio Lower Upper
98 100
100 65.8 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 25.49 ug/l
RT: 8.594 min Scan# 1276
Delta R.T. -0.024 min
Lab File: VX021152.D
Acq: 11 Mar 2021 13:35

Tgt Ion: 43 Resp: 80397
Ion Ratio Lower Upper
43 100
58 9.8 35.4 53.0#

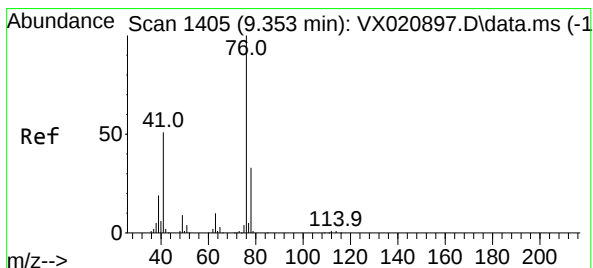
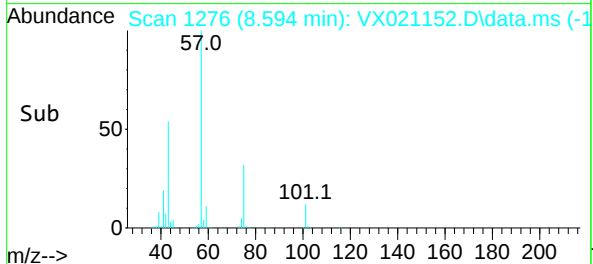
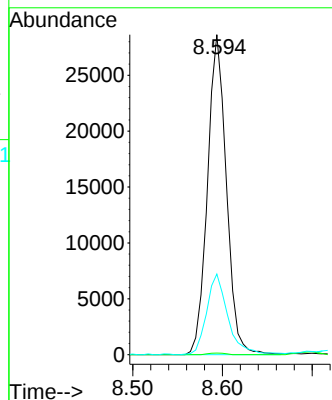
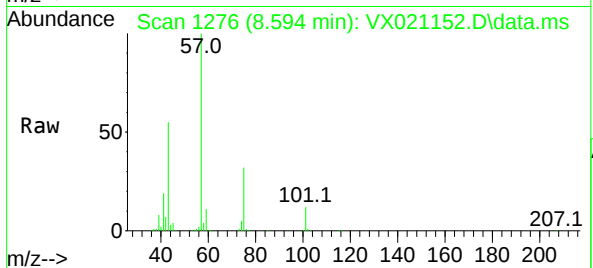




#54
cis-1,3-Dichloropropene
Concen: 9.68 ug/l
RT: 8.594 min Scan# 1276
Delta R.T. 0.182 min
Lab File: VX021152.D
Acq: 11 Mar 2021 13:35

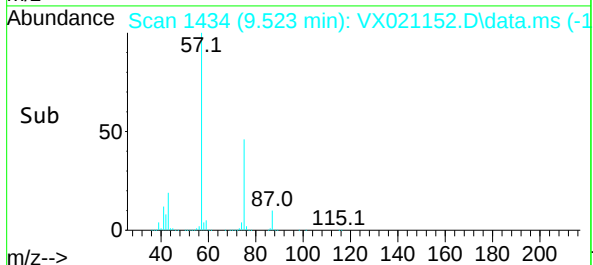
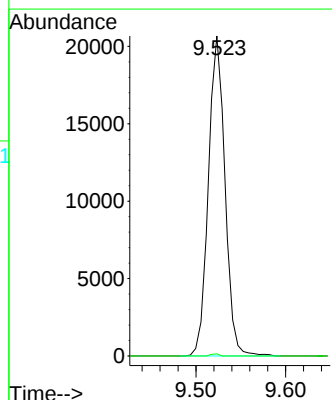
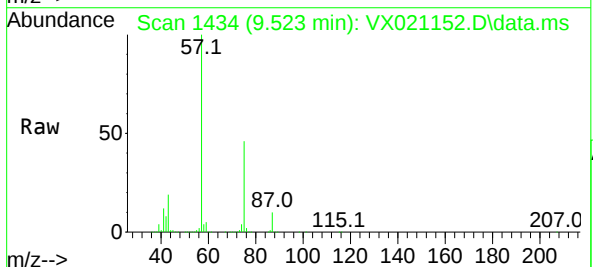
Instrument :
MSVOA_X
ClientSampled :

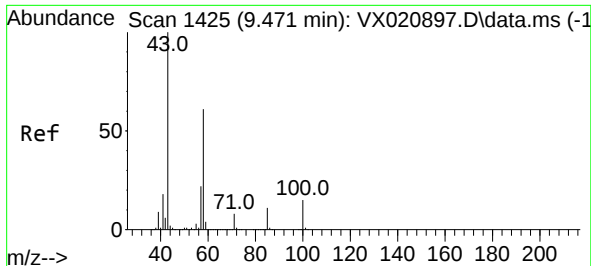
Tgt Ion: 75 Resp: 41916
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 25.2 35.1 52.7#



#57
1,3-Dichloropropane
Concen: 6.28 ug/l
RT: 9.523 min Scan# 1434
Delta R.T. 0.170 min
Lab File: VX021152.D
Acq: 11 Mar 2021 13:35

Tgt Ion: 76 Resp: 26584
Ion Ratio Lower Upper
76 100
78 0.3 26.2 39.2#

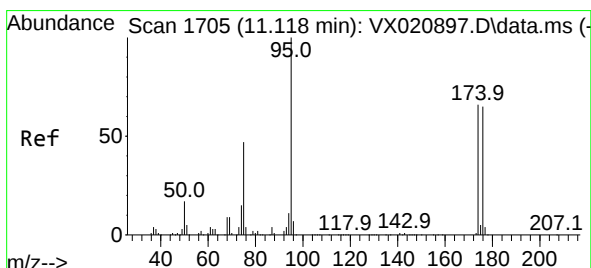
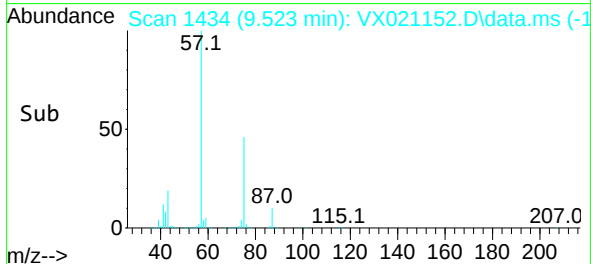
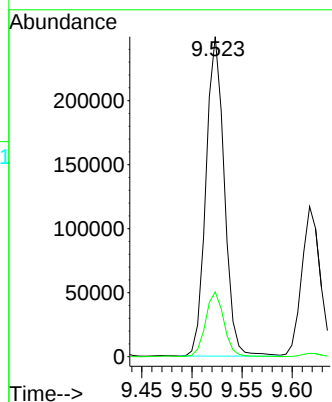
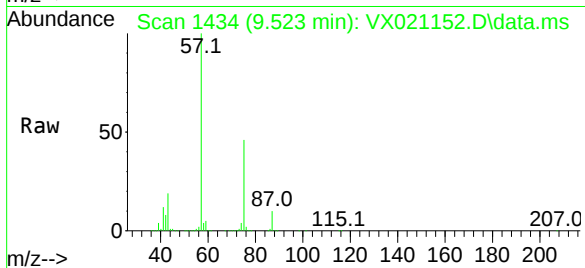




#59
2-Hexanone
Concen: 134.49 ug/l
RT: 9.523 min Scan# 1434
Delta R.T. 0.053 min
Lab File: VX021152.D
Acq: 11 Mar 2021 13:35

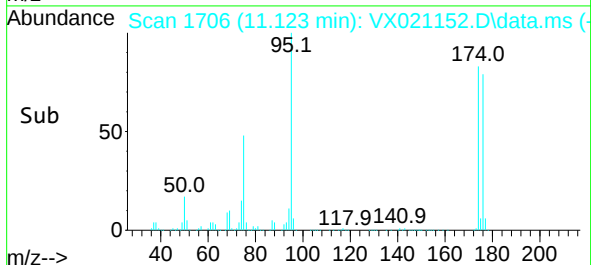
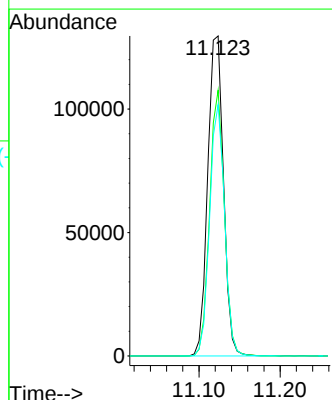
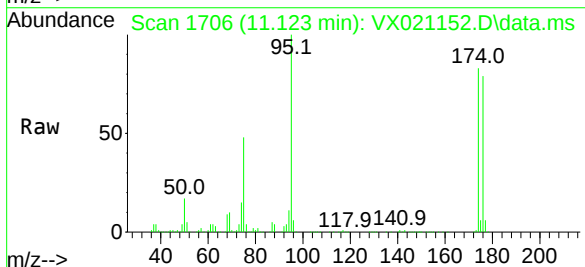
Instrument :
MSVOA_X
ClientSampled :

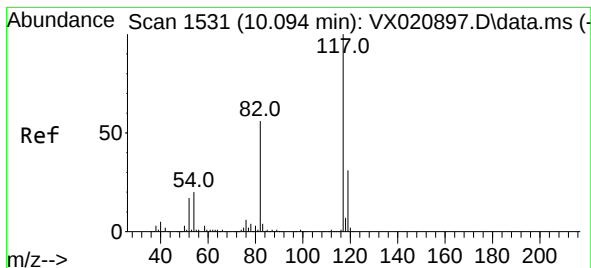
Tgt Ion: 43 Resp: 318205
Ion Ratio Lower Upper
43 100
58 20.2 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 56.46 ug/l
RT: 11.123 min Scan# 1706
Delta R.T. 0.006 min
Lab File: VX021152.D
Acq: 11 Mar 2021 13:35

Tgt Ion: 95 Resp: 174148
Ion Ratio Lower Upper
95 100
174 77.7 0.0 154.6
176 74.6 0.0 155.8

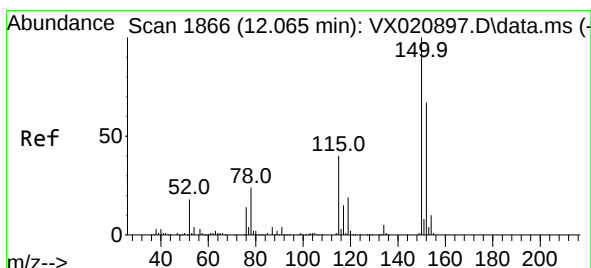
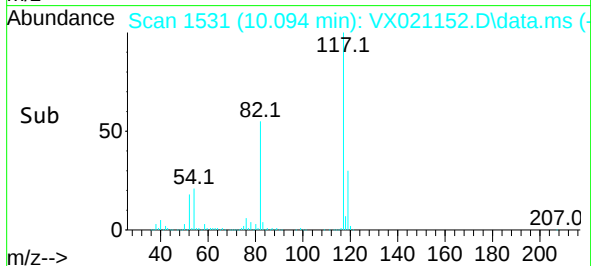
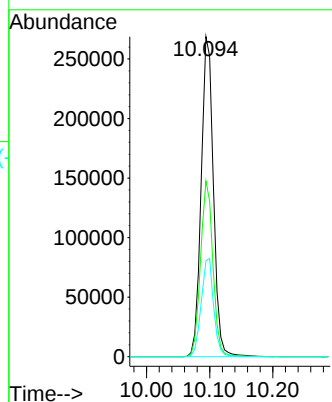
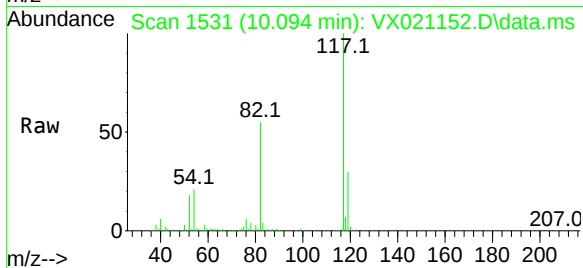




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX021152.D
Acq: 11 Mar 2021 13:35

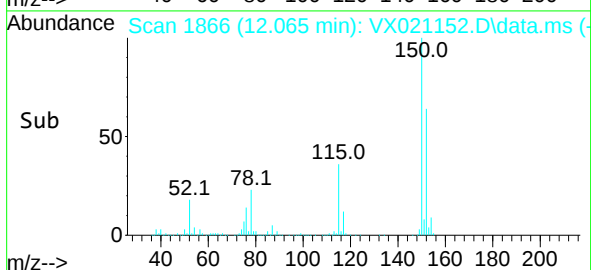
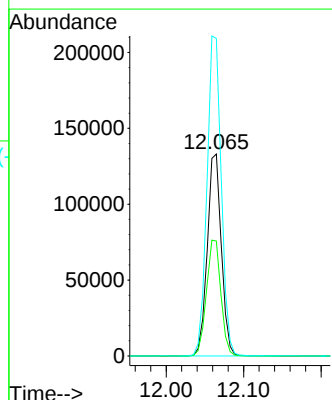
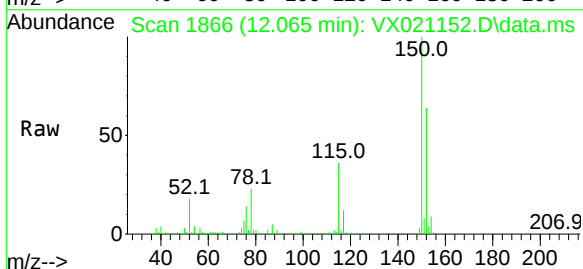
Instrument :
MSVOA_X
ClientSampled :

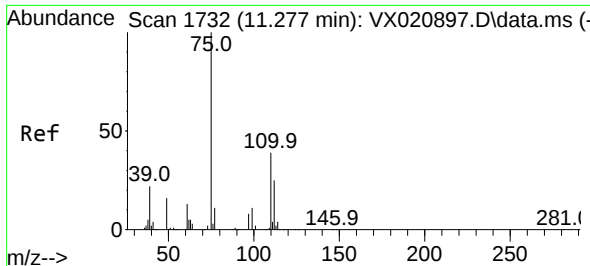
Tgt Ion:117 Resp: 363098
Ion Ratio Lower Upper
117 100
82 54.9 47.4 71.2
119 30.0 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.065 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VX021152.D
Acq: 11 Mar 2021 13:35

Tgt Ion:152 Resp: 167970
Ion Ratio Lower Upper
152 100
115 58.8 41.1 123.3
150 160.9 0.0 349.0

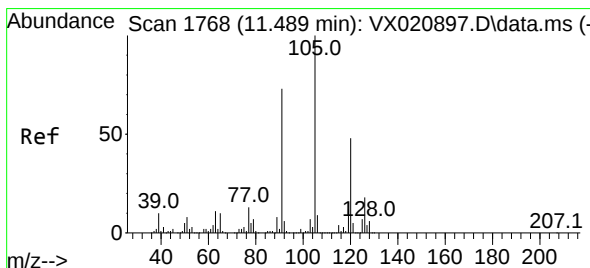
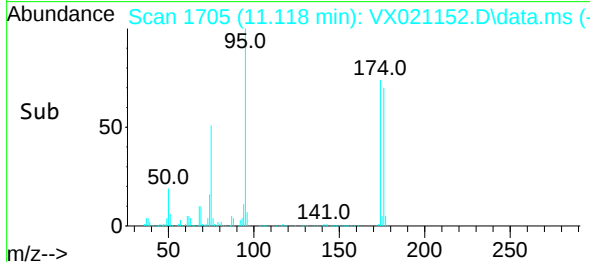
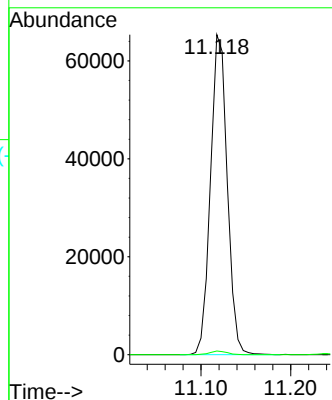
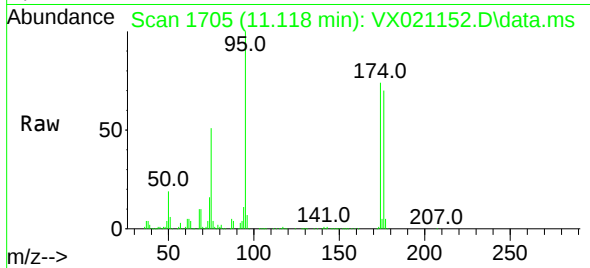




#76
1,2,3-Trichloropropane
Concen: 23.48 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021152.D
Acq: 11 Mar 2021 13:35

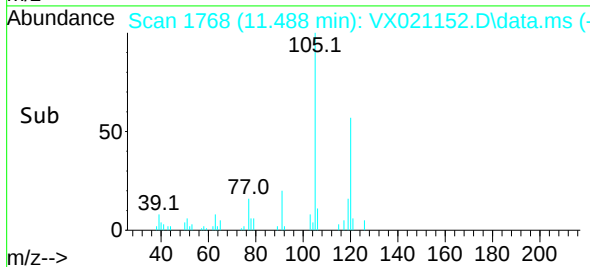
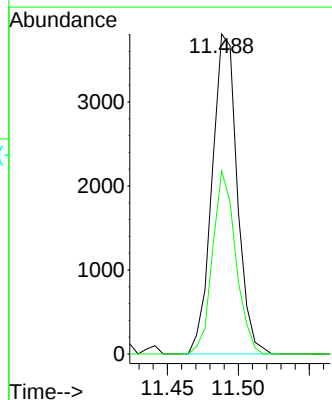
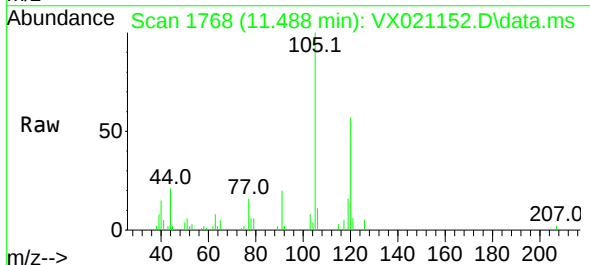
Instrument :
MSVOA_X
ClientSampled :

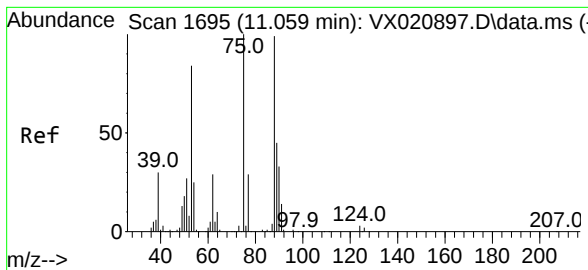
Tgt Ion: 75 Resp: 84845
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.42 ug/l
RT: 11.488 min Scan# 1768
Delta R.T. -0.000 min
Lab File: VX021152.D
Acq: 11 Mar 2021 13:35

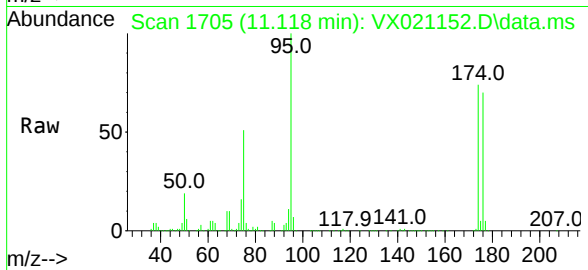
Tgt Ion:105 Resp: 4689
Ion Ratio Lower Upper
105 100
120 52.5 23.8 71.5





#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.98 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.058 min
 Lab File: VX021152.D
 Acq: 11 Mar 2021 13:35

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 84845
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

