

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031621\
 Data File : VX021252.D
 Acq On : 16 Mar 2021 18:20
 Operator : JC/MD
 Sample : M1666-02 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 17 02:41:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 16 14:00:21 2021
 Response via : Initial Calibration

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

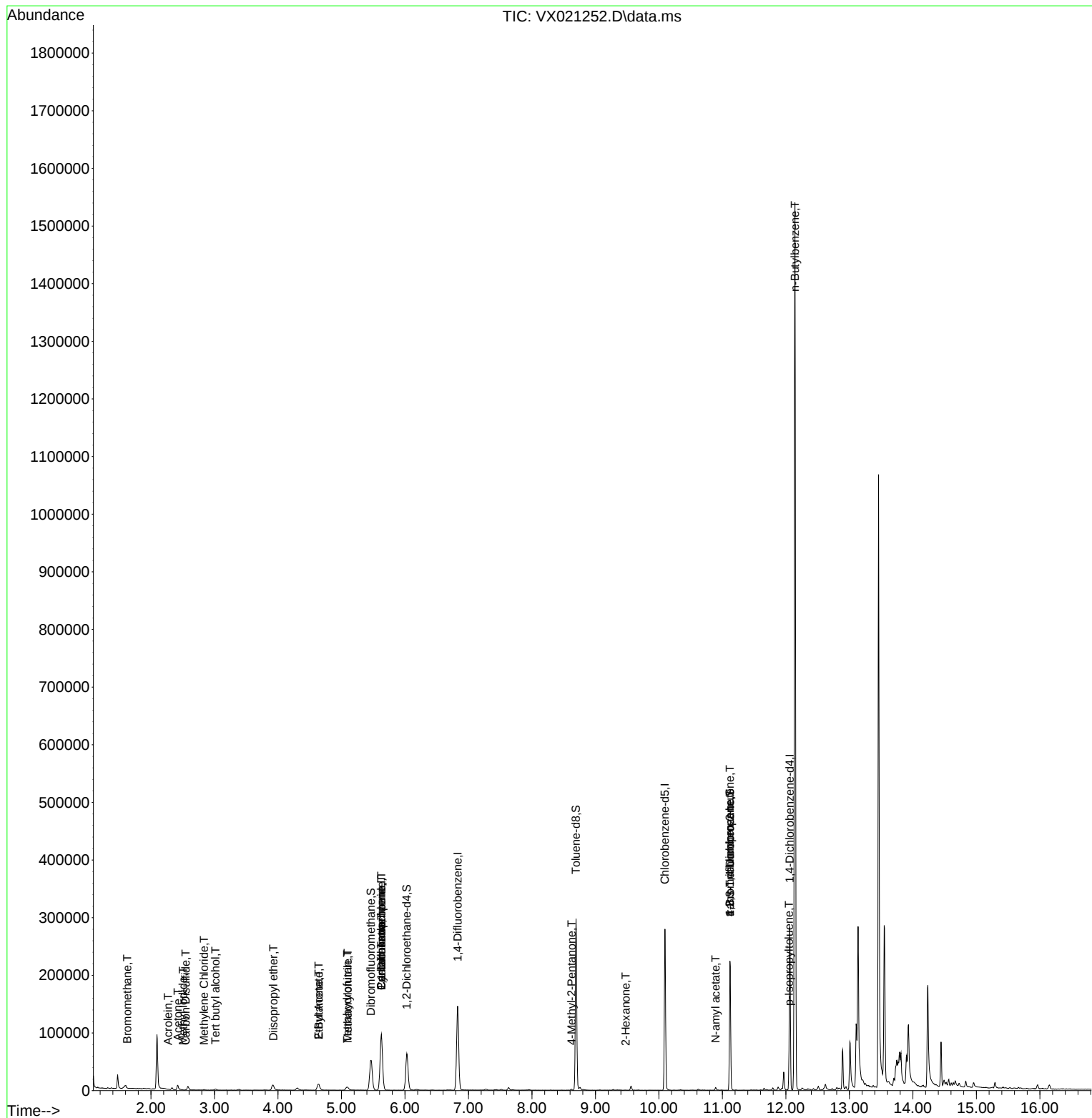
Internal Standards						
1) Pentafluorobenzene	5.629	168	82250	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	133784	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	114235	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	51517	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	62030	45.98	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.96%		
35) Dibromofluoromethane	5.464	113	44110	48.45	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.90%		
50) Toluene-d8	8.694	98	163003	49.35	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.70%		
62) 4-Bromofluorobenzene	11.118	95	59908	46.70	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	93.40%		
Target Compounds						Qvalue
3) Chloromethane	1.316	50	2499	Below Cal		90
5) Bromomethane	1.628	94	185	0.42 ug/l		88
10) Methyl Iodide	2.505	142	193	0.26 ug/l #		90
11) Tert butyl alcohol	3.017	59	1798	7.93 ug/l #		93
13) Acrolein	2.270	56	226	4.77 ug/l #		14
16) Acetone	2.422	43	8396	16.91 ug/l		90
17) Carbon Disulfide	2.546	76	384	0.69 ug/l #		75
20) Methylene Chloride	2.834	84	310	0.30 ug/l #		77
22) Diisopropyl ether	3.929	45	762	0.23 ug/l #		1
25) 2-Butanone	4.640	43	18874	24.73 ug/l #		85
29) Tetrahydrofuran	5.093	42	558	1.11 ug/l #		34
31) Cyclohexane	5.629	56	2451	1.50 ug/l #		33
36) 1,1-Dichloropropene	5.629	75	7665	5.69 ug/l #		49
37) Ethyl Acetate	4.640	43	18874	12.08 ug/l #		64
38) Carbon Tetrachloride	5.629	117	9024	6.45 ug/l #		16
41) Methacrylonitrile	5.099	41	1888	2.11 ug/l #		49
49) 1,4-Dioxane	7.729	88	130	Below Cal #		81
51) 4-Methyl-2-Pentanone	8.623	43	1109	0.74 ug/l #		76
59) 2-Hexanone	9.476	43	375	0.34 ug/l #		52
74) N-amyl acetate	10.894	43	1087	0.56 ug/l #		51
76) 1,2,3-Trichloropropane	11.118	75	33712	28.21 ug/l #		38
81) trans-1,4-Dichloro-2-b...	11.118	75	33712	76.59 ug/l #		12
86) p-Isopropyltoluene	12.047	119	1414	0.42 ug/l #		71
89) n-Butylbenzene	12.141	91	15212	5.01 ug/l		71

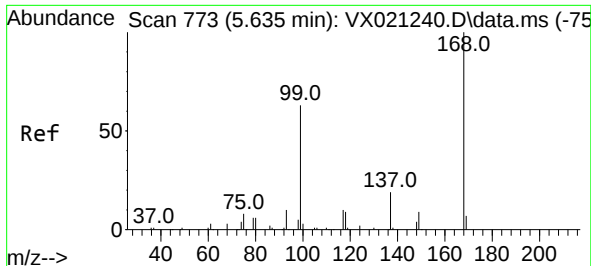
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :

Quant Time: Mar 17 02:41:59 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 16 14:00:21 2021
Response via : Initial Calibration

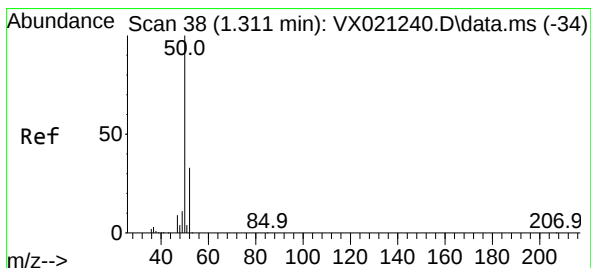
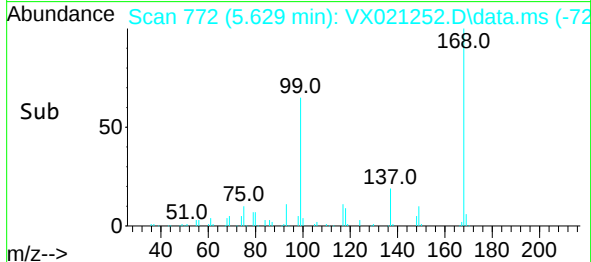
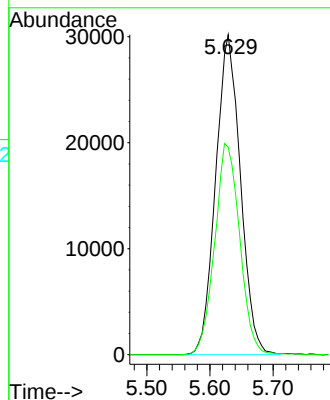
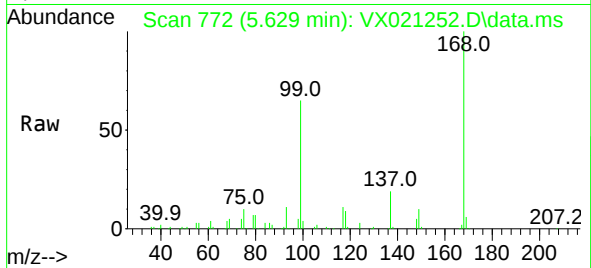




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.006 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20

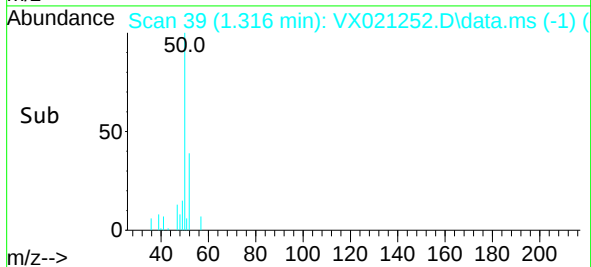
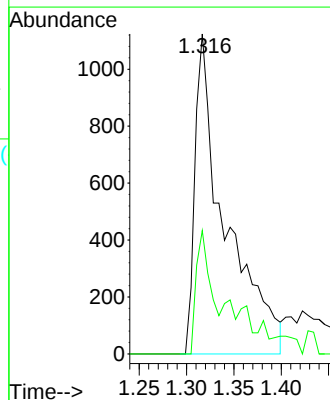
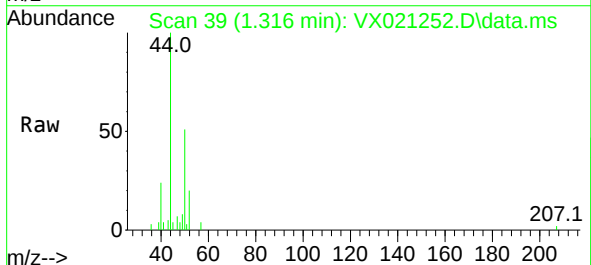
Instrument :
MSVOA_X
ClientSampleId :

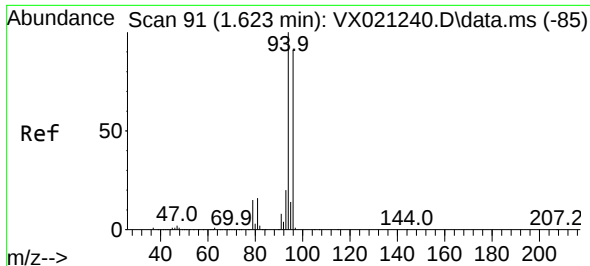
Tgt Ion:168 Resp: 82250
Ion Ratio Lower Upper
168 100
99 64.9 45.8 68.6



#3
Chloromethane
Concen: Below Cal
RT: 1.316 min Scan# 39
Delta R.T. 0.005 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20

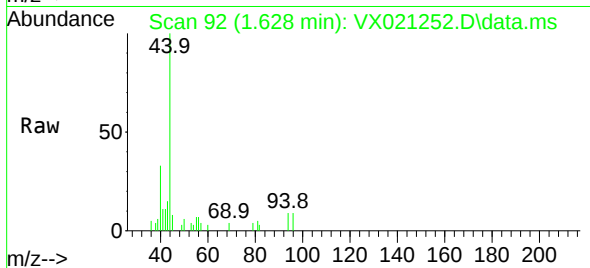
Tgt Ion: 50 Resp: 2499
Ion Ratio Lower Upper
50 100
52 38.5 26.4 39.6



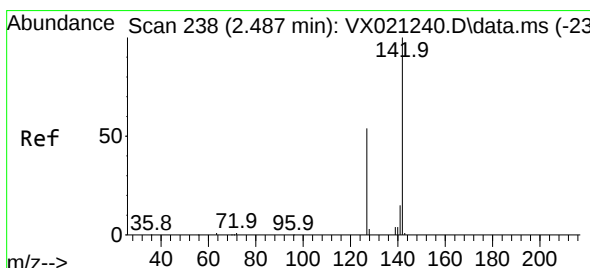
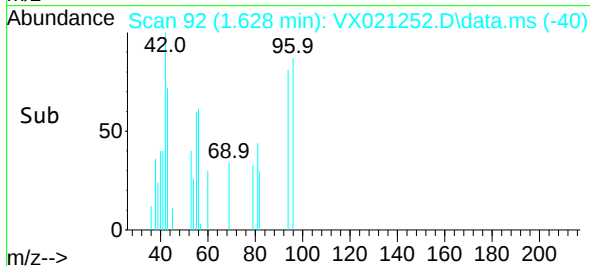
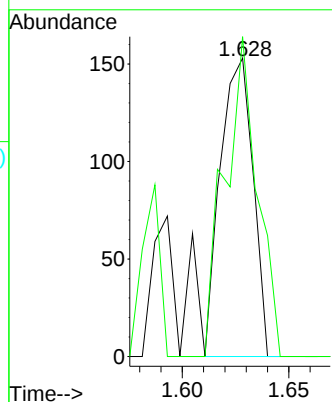


#5
Bromomethane
Concen: 0.42 ug/l
RT: 1.628 min Scan# 92
Delta R.T. 0.005 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20

Instrument :
MSVOA_X
ClientSampleId :

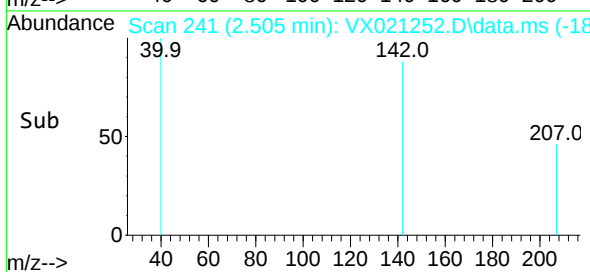
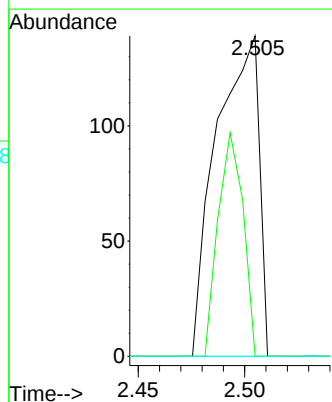
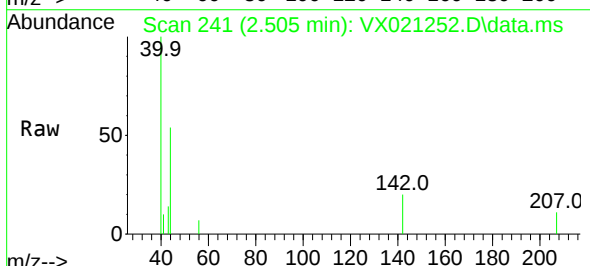


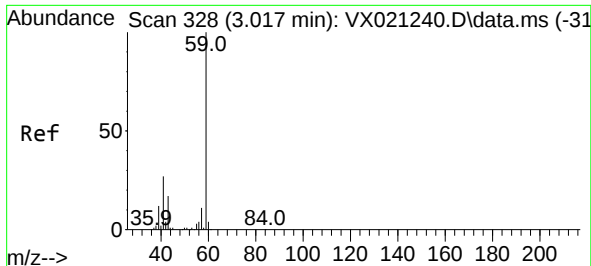
Tgt Ion: 94 Resp: 185
Ion Ratio Lower Upper
94 100
96 107.2 76.4 114.6



#10
Methyl Iodide
Concen: 0.26 ug/l
RT: 2.505 min Scan# 241
Delta R.T. 0.018 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20

Tgt Ion: 142 Resp: 193
Ion Ratio Lower Upper
142 100
127 40.9 33.3 49.9
141 0.0 11.4 17.0#

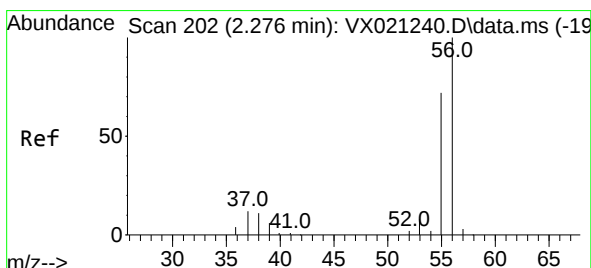
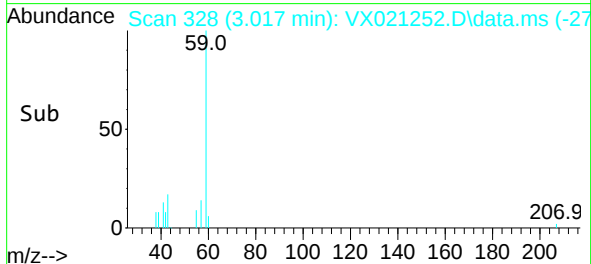
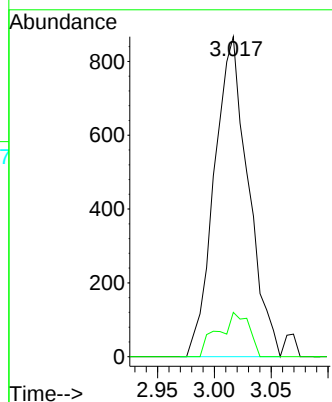
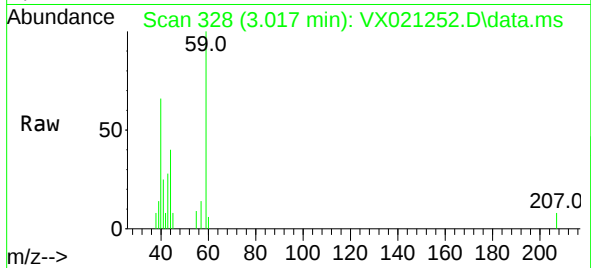




#11
Tert butyl alcohol
Concen: 7.93 ug/l
RT: 3.017 min Scan# 328
Delta R.T. -0.000 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20

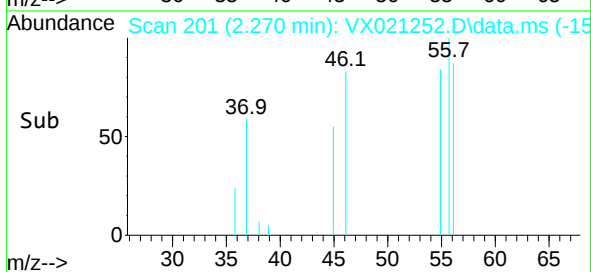
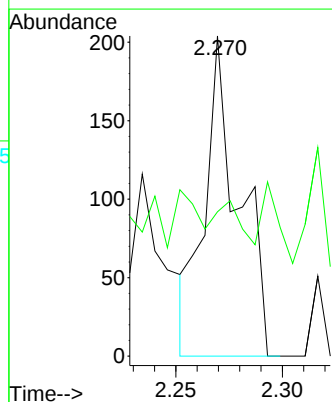
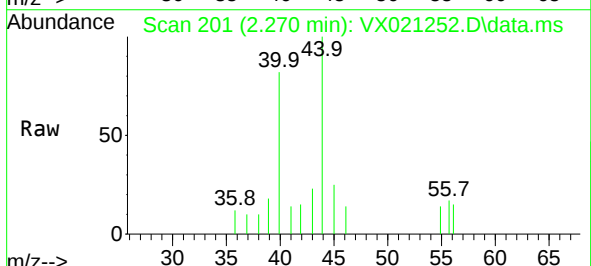
Instrument :
MSVOA_X
ClientSampled :

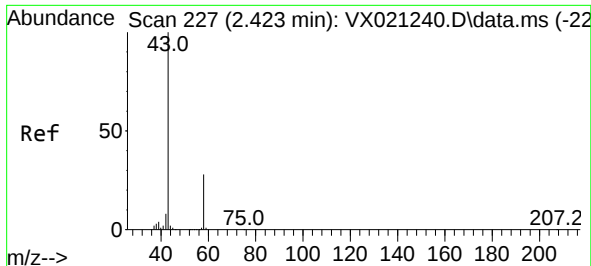
Tgt Ion: 59 Resp: 1798
Ion Ratio Lower Upper
59 100
57 12.5 7.8 11.8#



#13
Acrolein
Concen: 4.77 ug/l
RT: 2.270 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20

Tgt Ion: 56 Resp: 226
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

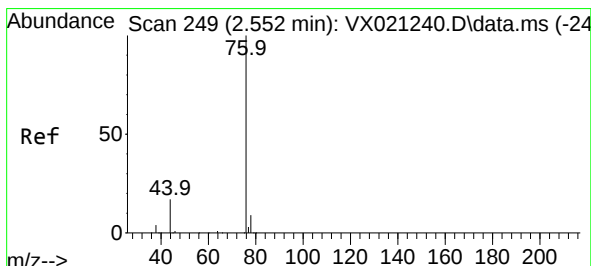
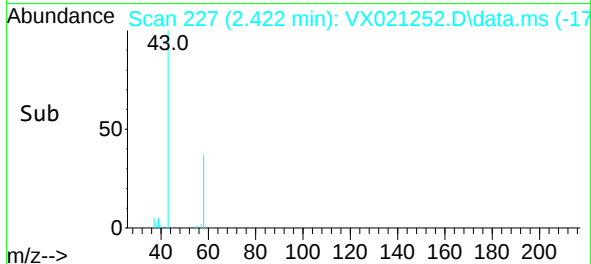
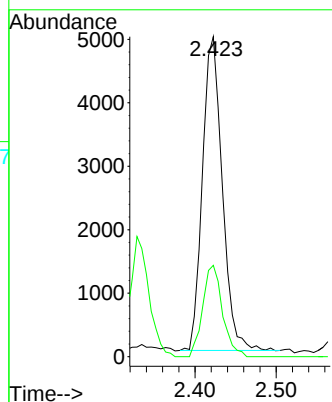
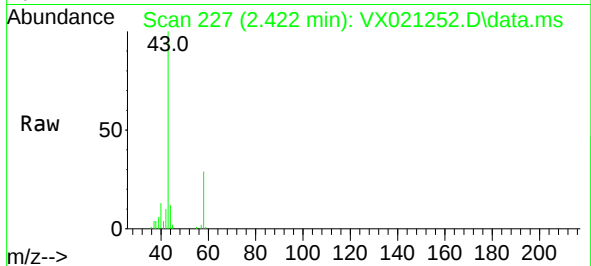




#16
Acetone
Concen: 16.91 ug/l
RT: 2.422 min Scan# 227
Delta R.T. -0.001 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20

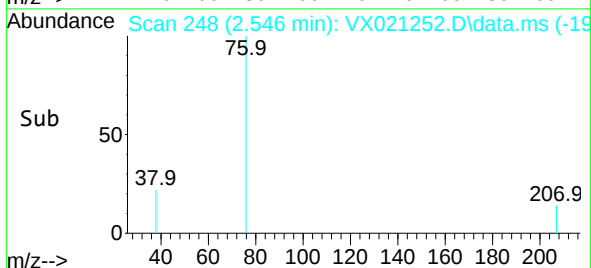
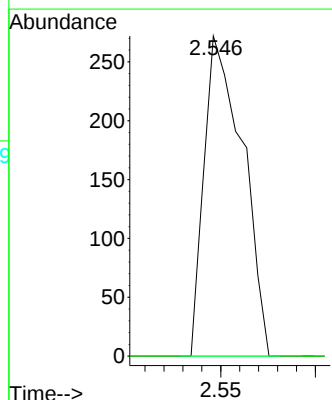
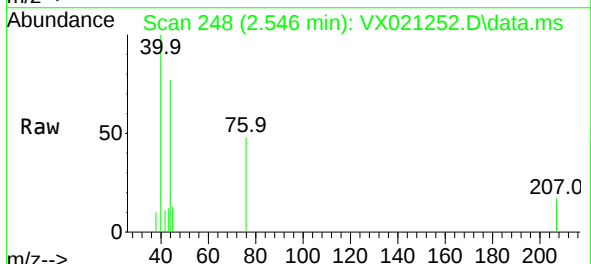
Instrument :
MSVOA_X
ClientSampled :

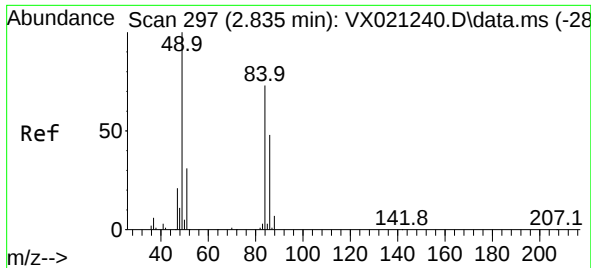
Tgt Ion: 43 Resp: 8396
Ion Ratio Lower Upper
43 100
58 29.1 27.8 41.8



#17
Carbon Disulfide
Concen: 0.69 ug/l
RT: 2.546 min Scan# 248
Delta R.T. -0.006 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20

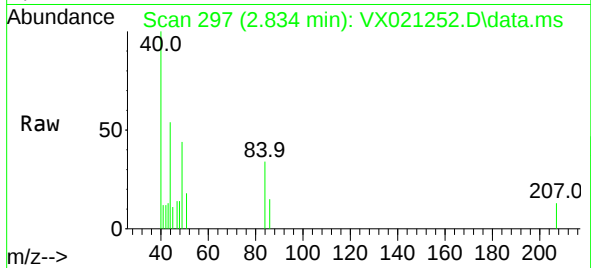
Tgt Ion: 76 Resp: 384
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





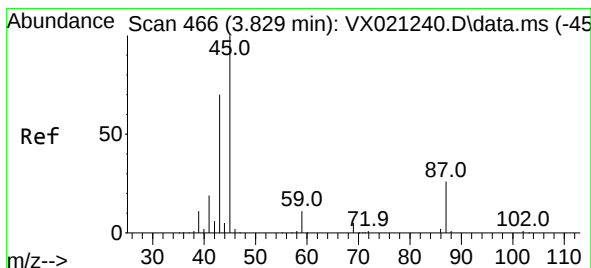
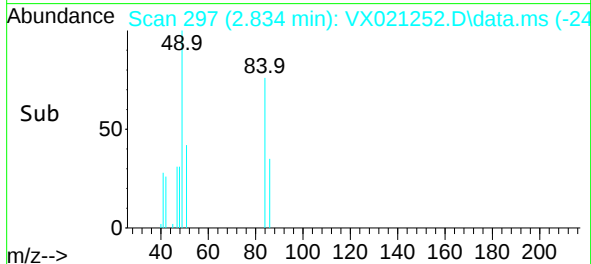
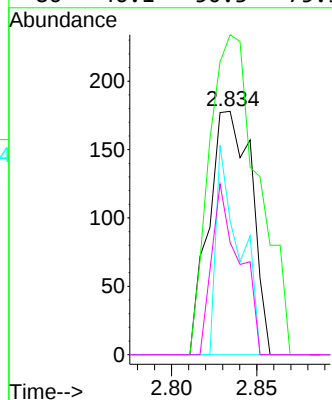
#20
Methylene Chloride
Concen: 0.30 ug/l
RT: 2.834 min Scan# 297
Delta R.T. -0.001 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20

Instrument :
MSVOA_X
ClientSampleId :

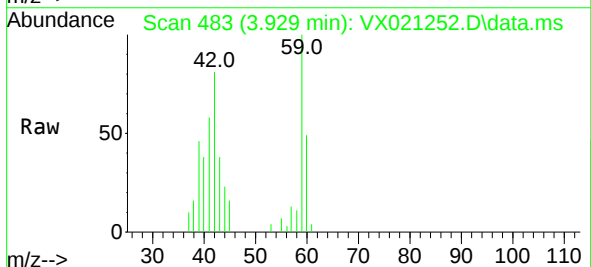


Tgt Ion: 84 Resp: 310

Ion	Ratio	Lower	Upper
84	100		
49	131.5	88.6	132.8
51	55.1	27.0	40.6#
86	46.1	50.3	75.5#

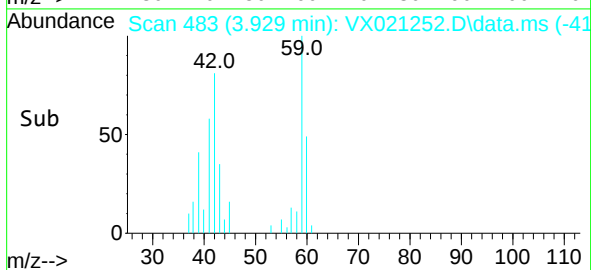
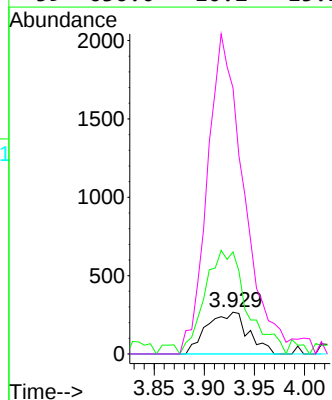


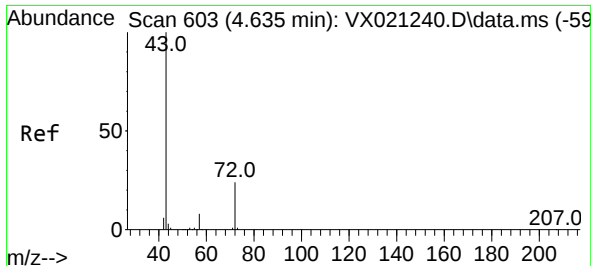
#22
Diisopropyl ether
Concen: 0.23 ug/l
RT: 3.929 min Scan# 483
Delta R.T. 0.100 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20



Tgt Ion: 45 Resp: 762

Ion	Ratio	Lower	Upper
45	100		
43	244.2	58.0	87.0#
87	0.0	25.4	38.0#
59	636.0	10.2	15.2#

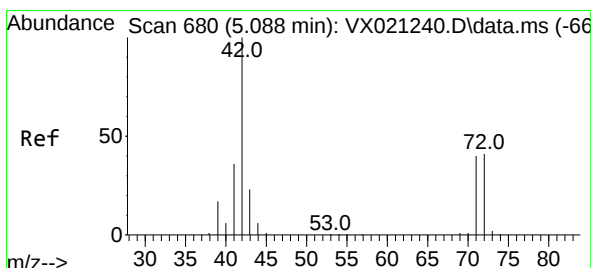
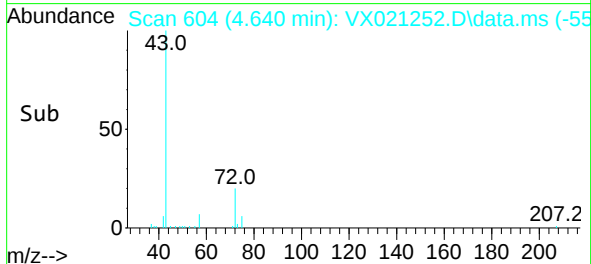
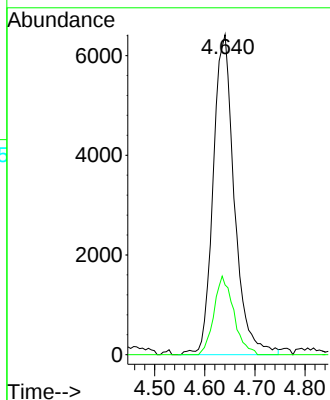
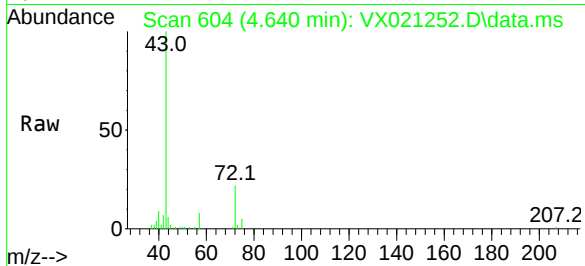




#25
2-Butanone
Concen: 24.73 ug/l
RT: 4.640 min Scan# 604
Delta R.T. 0.005 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20

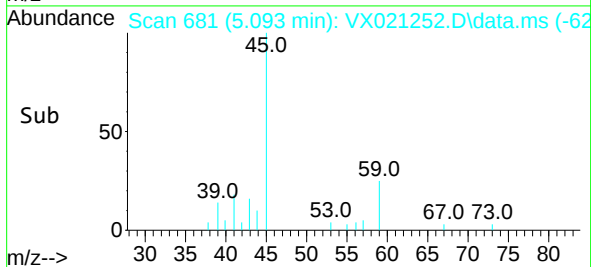
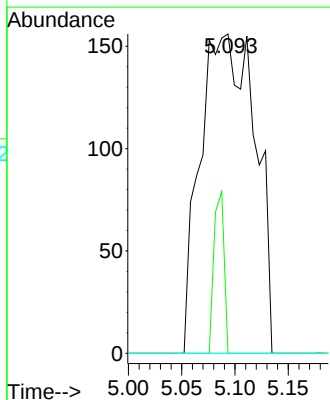
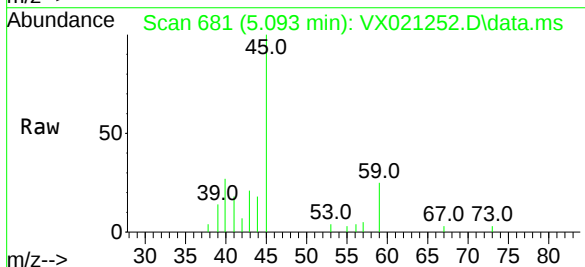
Instrument :
MSVOA_X
ClientSampled :

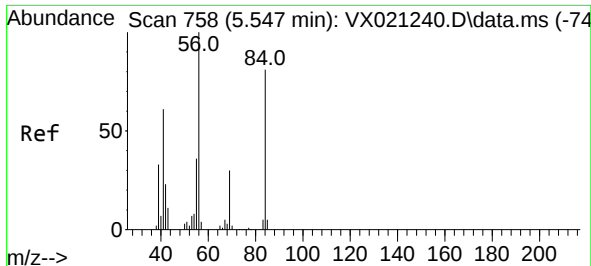
Tgt Ion: 43 Resp: 18874
Ion Ratio Lower Upper
43 100
72 21.8 23.7 35.5#



#29
Tetrahydrofuran
Concen: 1.11 ug/l
RT: 5.093 min Scan# 681
Delta R.T. 0.005 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20

Tgt Ion: 42 Resp: 558
Ion Ratio Lower Upper
42 100
72 9.3 41.7 62.5#
71 0.0 38.4 57.6#

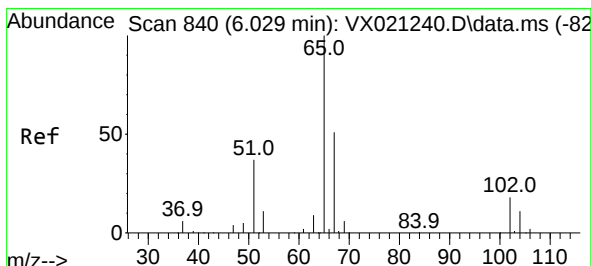
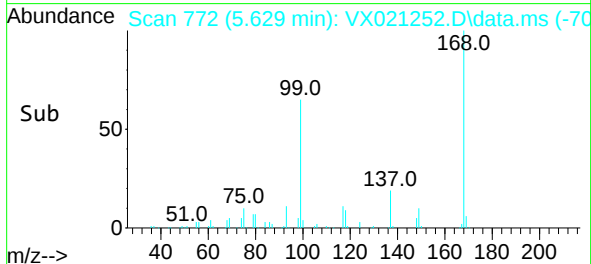
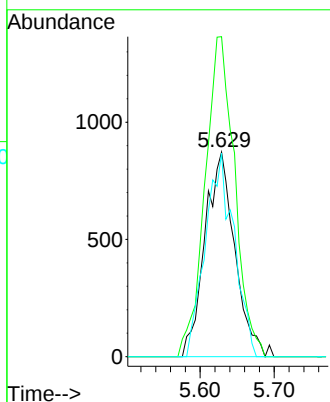
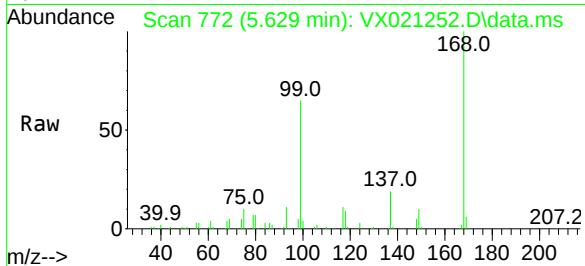




#31
Cyclohexane
Concen: 1.50 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.082 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20

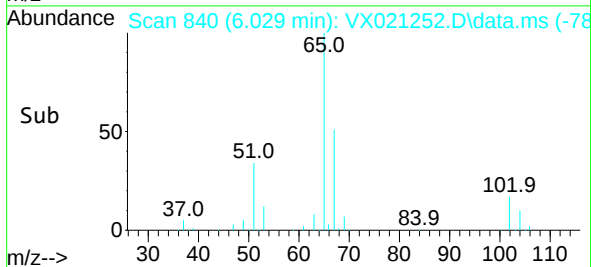
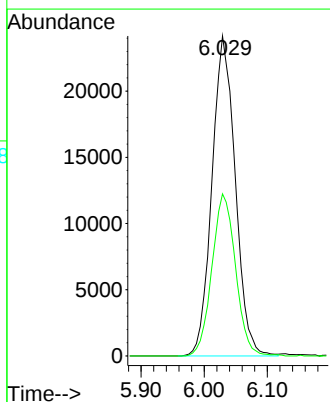
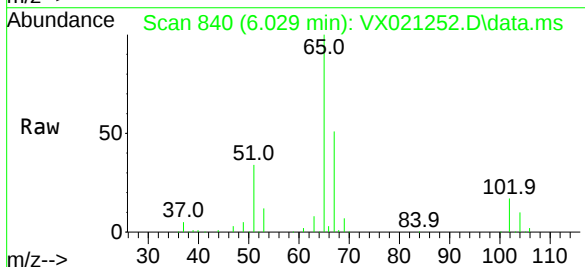
Instrument :
MSVOA_X
ClientSampleId :

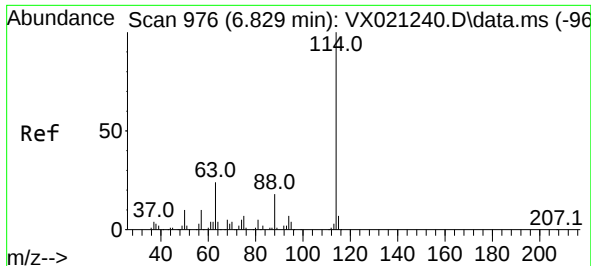
Tgt Ion: 56 Resp: 2451
Ion Ratio Lower Upper
56 100
69 156.4 25.3 37.9#
84 99.5 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 45.98 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20

Tgt Ion: 65 Resp: 62030
Ion Ratio Lower Upper
65 100
67 51.3 0.0 105.4

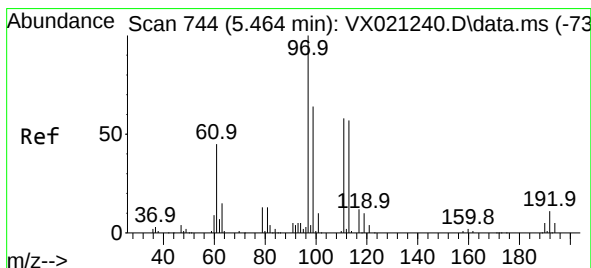
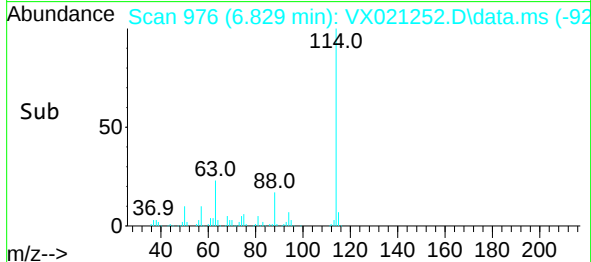
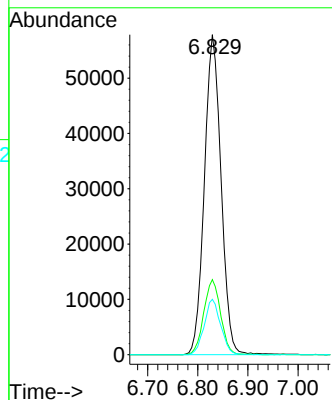
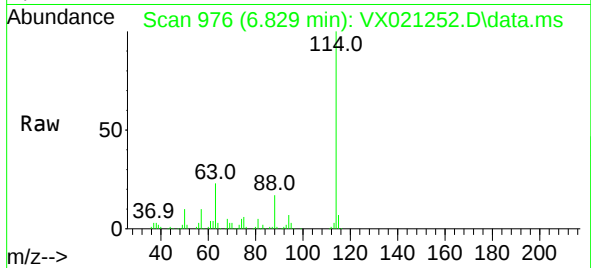




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. -0.000 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20

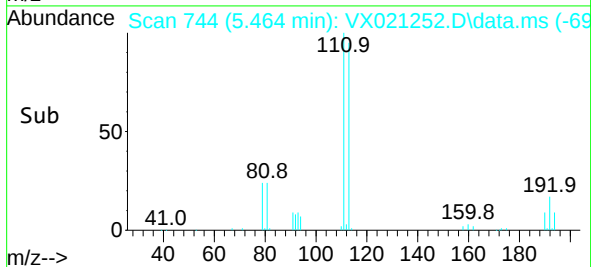
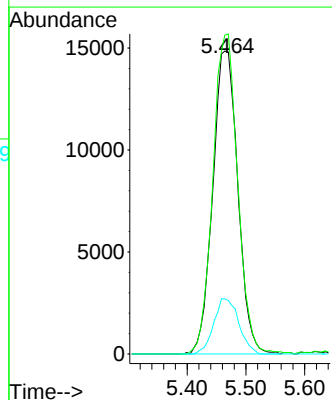
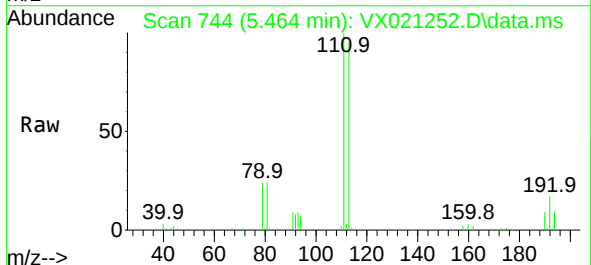
Instrument :
MSVOA_X
ClientSampleId :

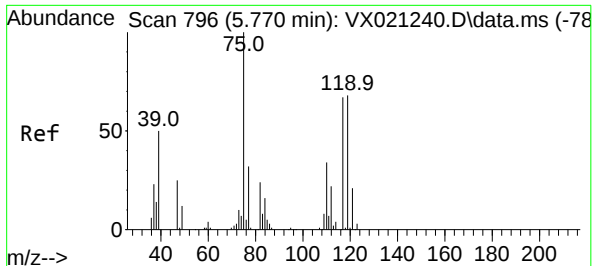
Tgt Ion:114 Resp: 133784
Ion Ratio Lower Upper
114 100
63 23.5 0.0 40.8
88 17.3 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.45 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20

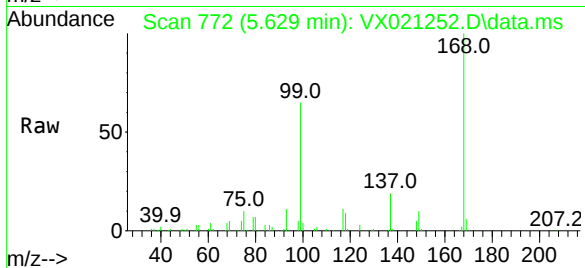
Tgt Ion:113 Resp: 44110
Ion Ratio Lower Upper
113 100
111 104.4 81.9 122.9
192 18.1 16.7 25.1



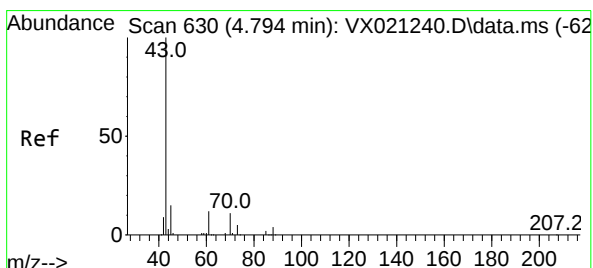
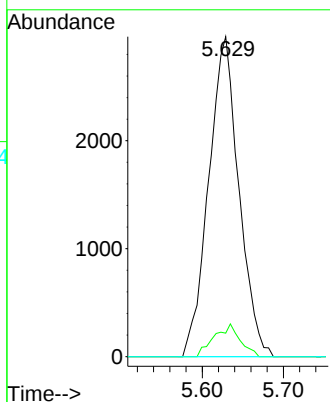
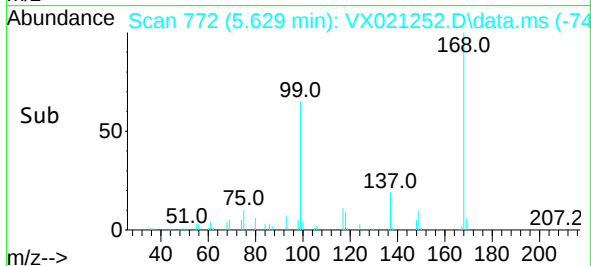


#36
1,1-Dichloropropene
Concen: 5.69 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.141 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20

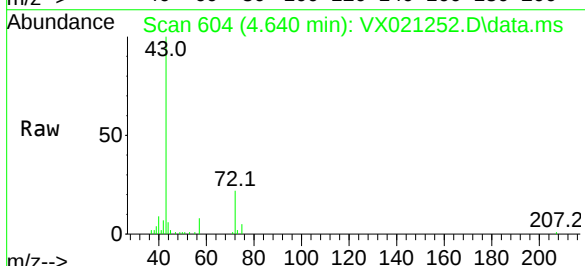
Instrument :
MSVOA_X
ClientSampleId :



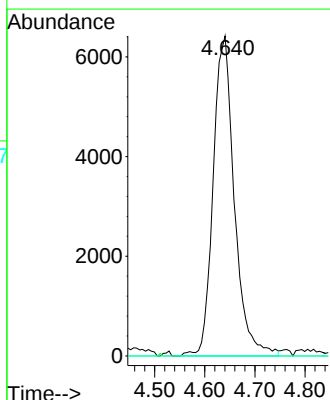
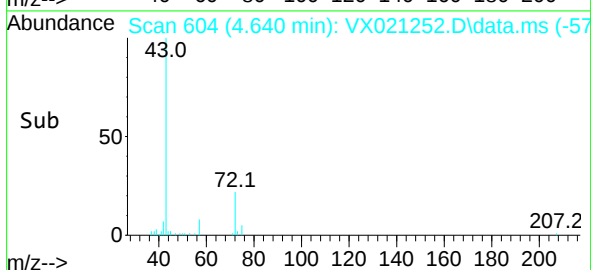
Tgt Ion: 75 Resp: 7665
Ion Ratio Lower Upper
75 100
110 8.7 18.1 54.4#
77 0.0 25.3 37.9#

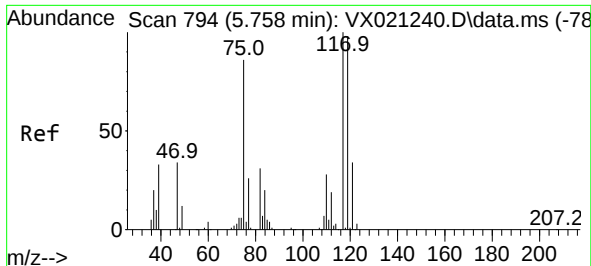


#37
Ethyl Acetate
Concen: 12.08 ug/l
RT: 4.640 min Scan# 604
Delta R.T. -0.154 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20



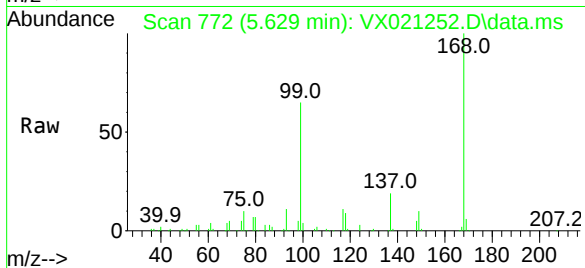
Tgt Ion: 43 Resp: 18874
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#



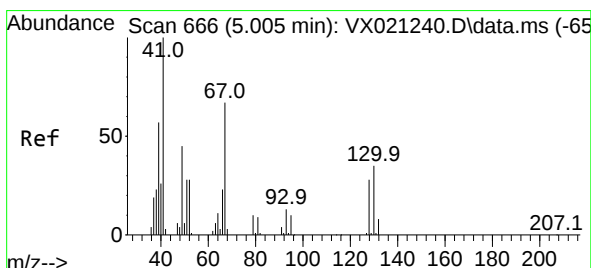
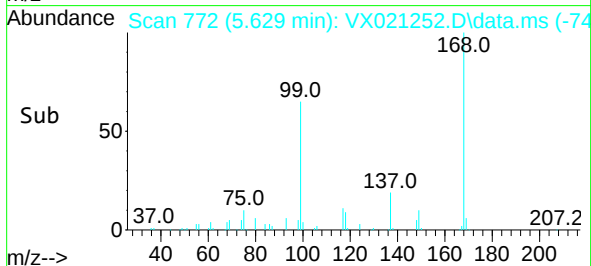
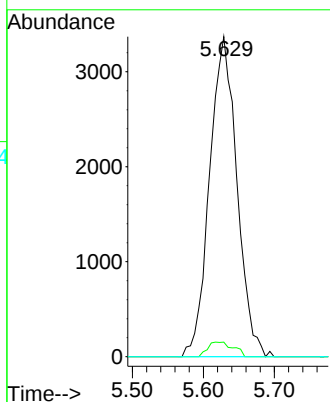


#38
Carbon Tetrachloride
Concen: 6.45 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.129 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20

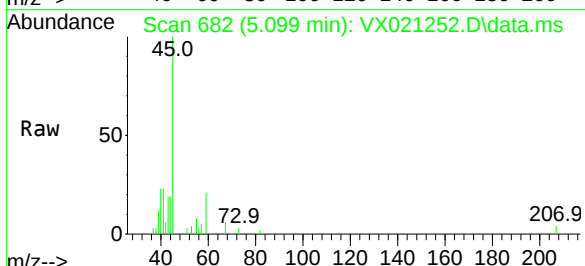
Instrument :
MSVOA_X
ClientSampleId :



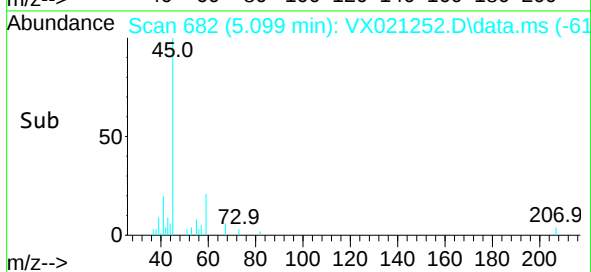
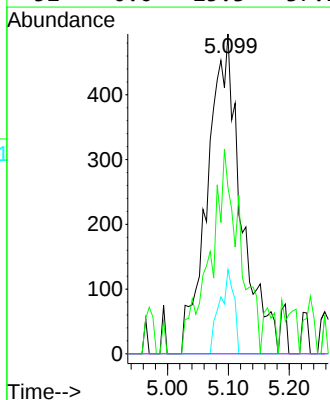
Tgt Ion: 117 Resp: 9024
Ion Ratio Lower Upper
117 100
119 4.6 76.2 114.2#
121 0.0 24.8 37.2#

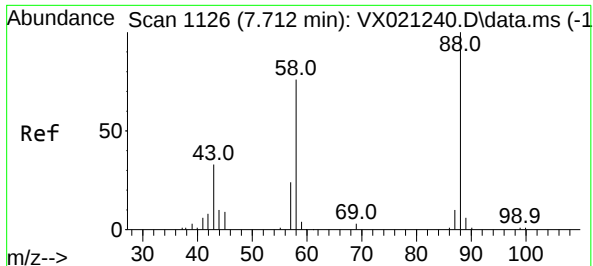


#41
Methacrylonitrile
Concen: 2.11 ug/l
RT: 5.099 min Scan# 682
Delta R.T. 0.094 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20



Tgt Ion: 41 Resp: 1888
Ion Ratio Lower Upper
41 100
39 57.0 42.5 63.7
67 11.2 65.0 97.6#
52 0.0 25.3 37.9#

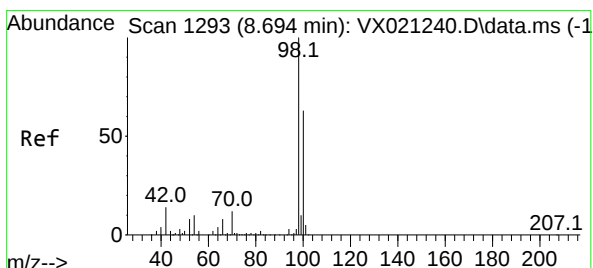
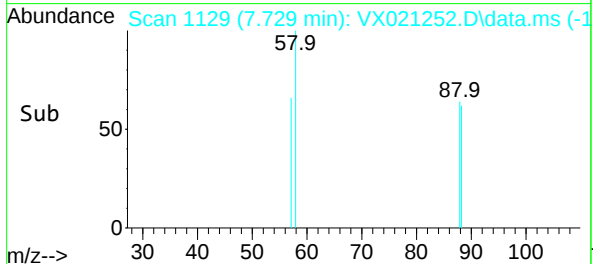
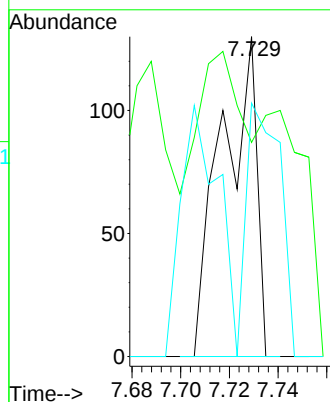
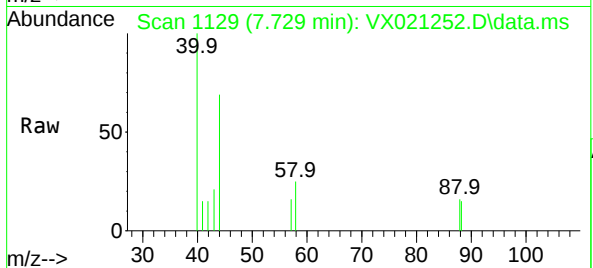




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.729 min Scan# 1129
Delta R.T. 0.017 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20

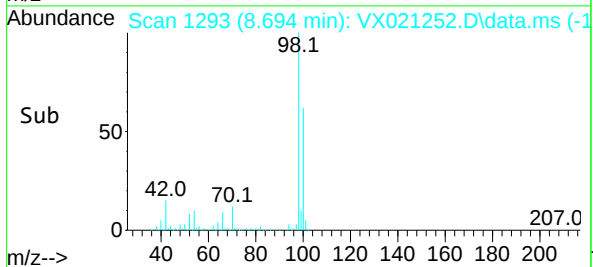
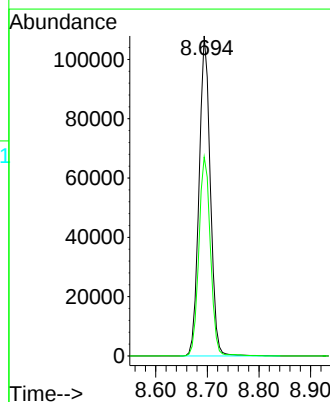
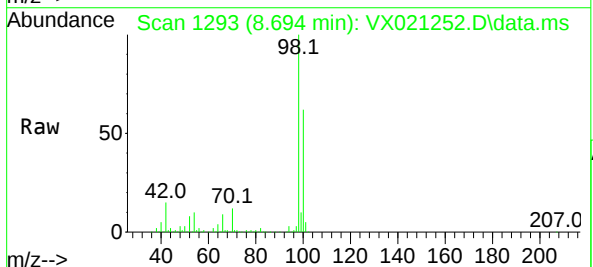
Instrument :
MSVOA_X
ClientSampled :

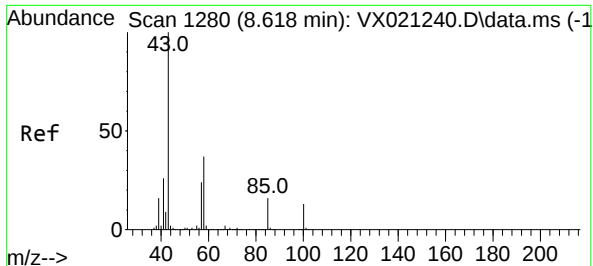
Tgt Ion: 88 Resp: 130
Ion Ratio Lower Upper
88 100
43 51.5 23.2 34.8#
58 76.2 55.0 82.4



#50
Toluene-d8
Concen: 49.35 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20

Tgt Ion: 98 Resp: 163003
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9

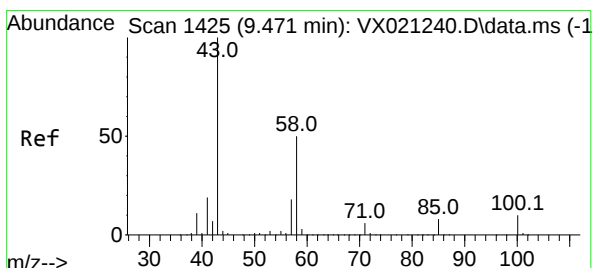
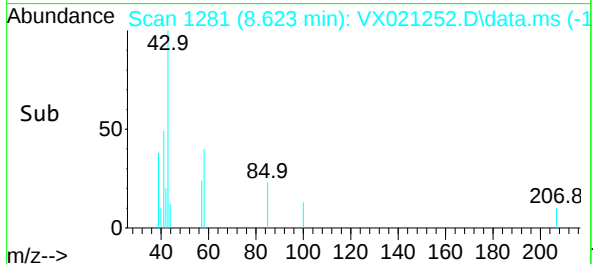
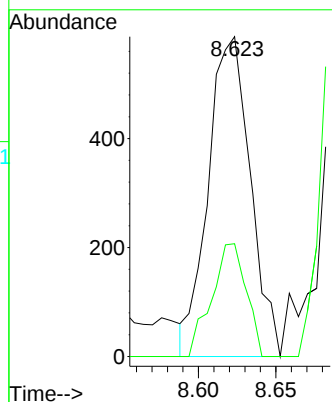
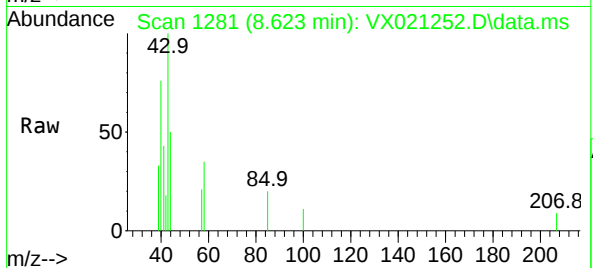




#51
4-Methyl-2-Pentanone
Concen: 0.74 ug/l
RT: 8.623 min Scan# 1281
Delta R.T. 0.005 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20

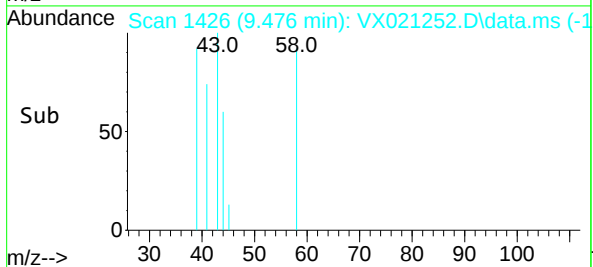
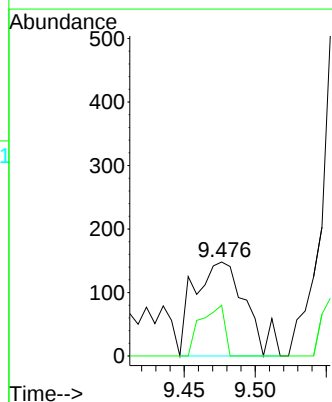
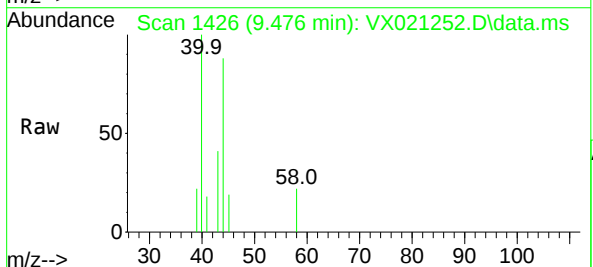
Instrument :
MSVOA_X
ClientSampled :

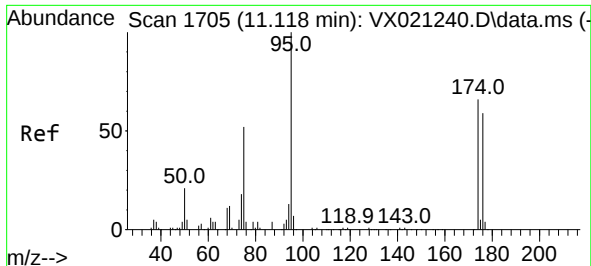
Tgt Ion: 43 Resp: 1109
Ion Ratio Lower Upper
43 100
58 28.9 35.4 53.0#



#59
2-Hexanone
Concen: 0.34 ug/l
RT: 9.476 min Scan# 1426
Delta R.T. 0.005 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20

Tgt Ion: 43 Resp: 375
Ion Ratio Lower Upper
43 100
58 25.1 30.9 92.8#

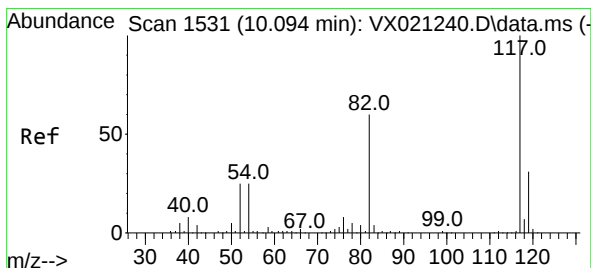
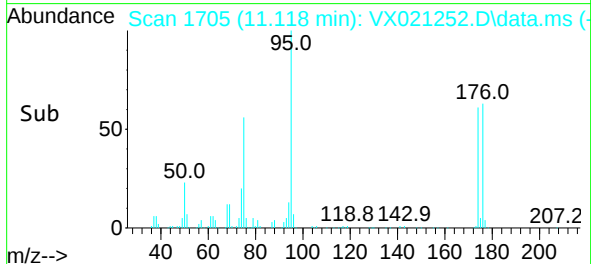
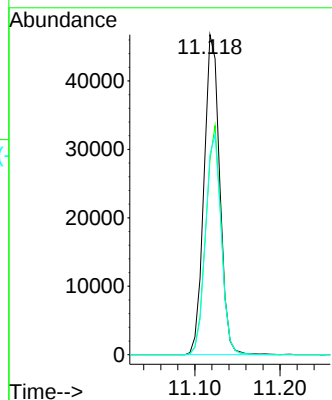
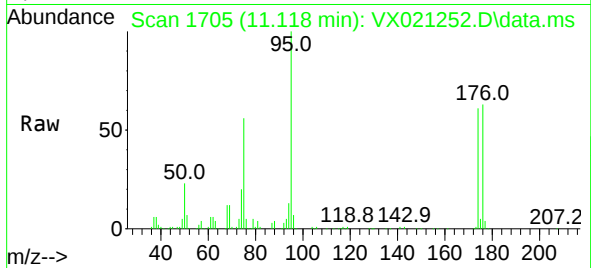




#62
4-Bromofluorobenzene
Concen: 46.70 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20

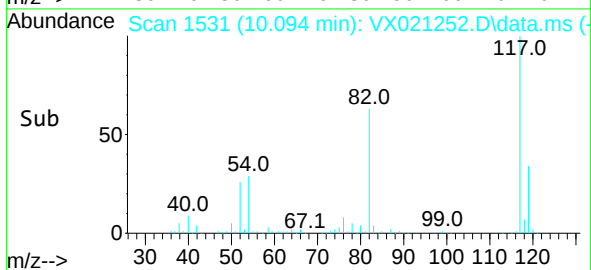
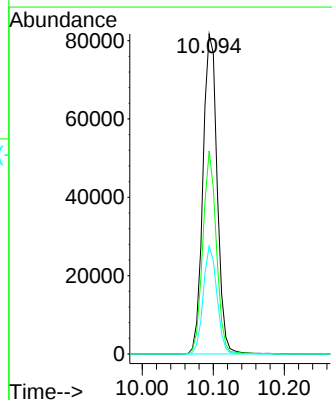
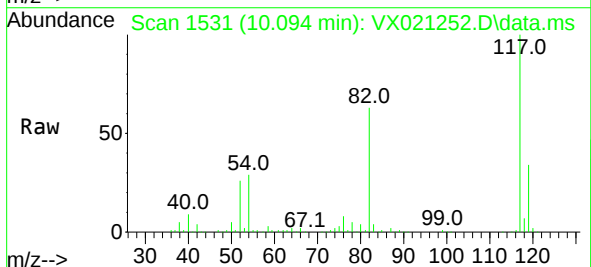
Instrument :
MSVOA_X
ClientSampleId :

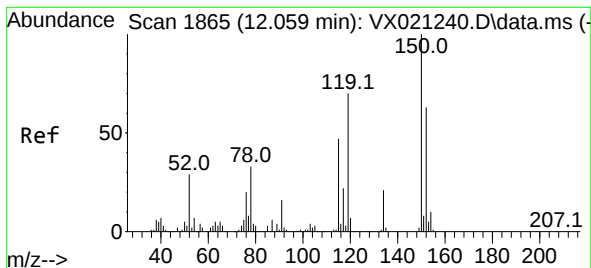
Tgt Ion: 95 Resp: 59908
Ion Ratio Lower Upper
95 100
174 70.1 0.0 154.6
176 68.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20

Tgt Ion: 117 Resp: 114235
Ion Ratio Lower Upper
117 100
82 63.4 47.4 71.2
119 33.7 26.6 39.8

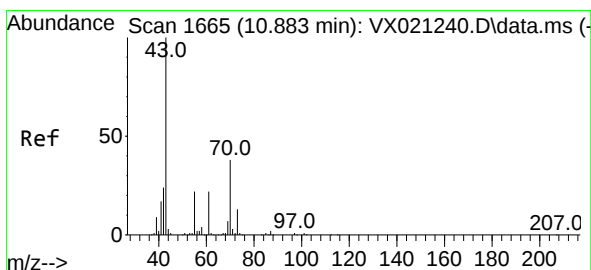
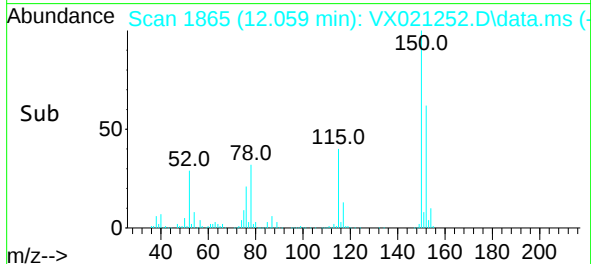
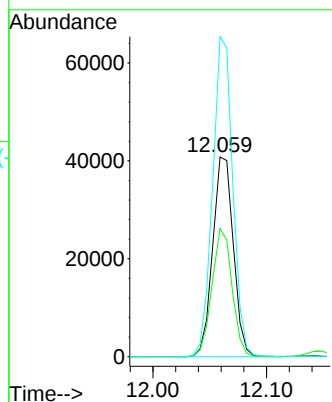
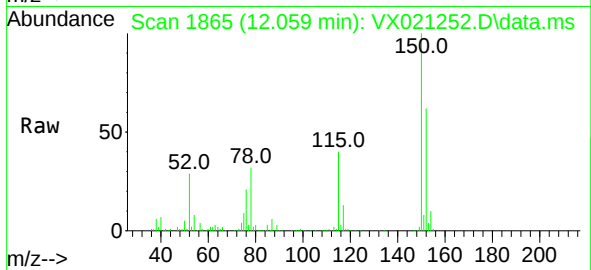




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20

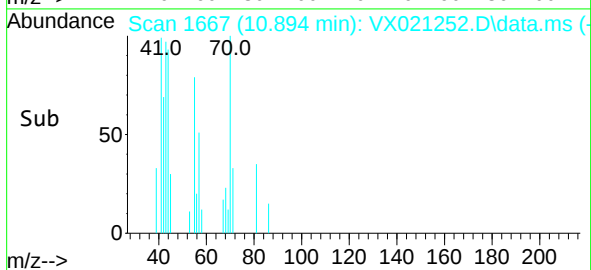
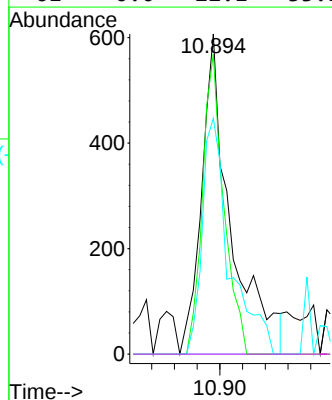
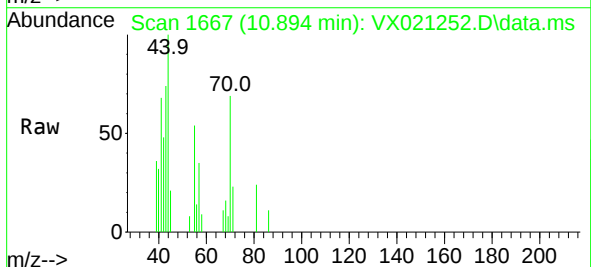
Instrument :
MSVOA_X
ClientSampleId :

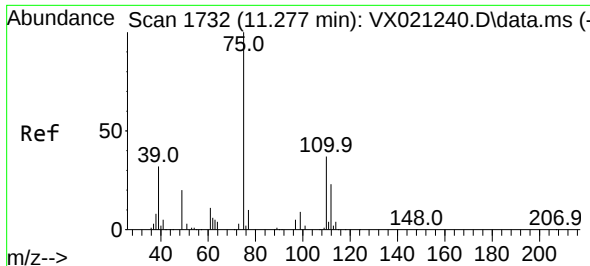
Tgt Ion:152 Resp: 51517
Ion Ratio Lower Upper
152 100
115 62.5 41.1 123.3
150 156.4 0.0 349.0



#74
N-ethyl acetate
Concen: 0.56 ug/l
RT: 10.894 min Scan# 1667
Delta R.T. 0.011 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20

Tgt Ion: 43 Resp: 1087
Ion Ratio Lower Upper
43 100
70 68.2 39.0 58.6#
55 69.0 21.5 32.3#
61 0.0 22.1 33.1#

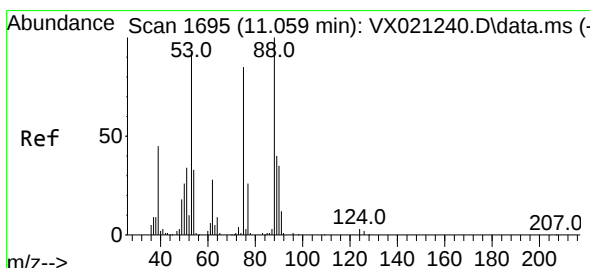
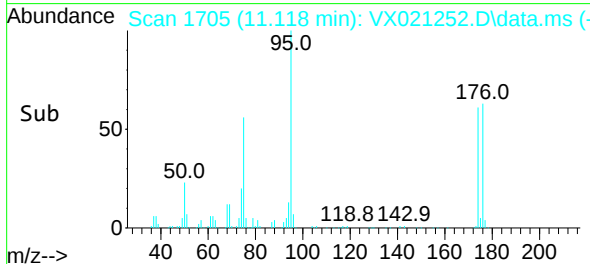
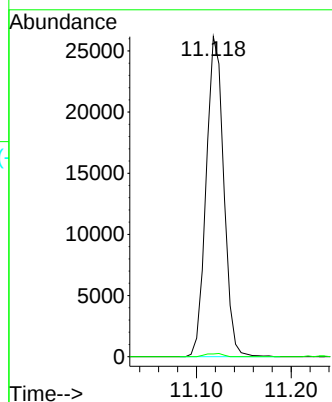
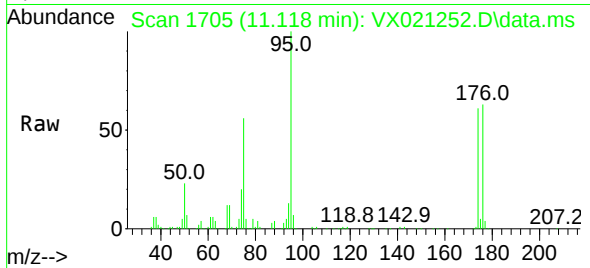




#76
1,2,3-Trichloropropane
Concen: 28.21 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20

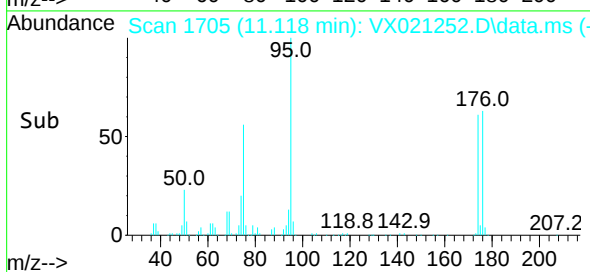
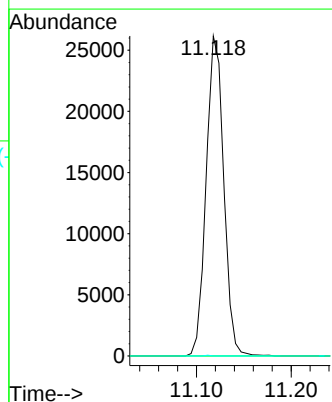
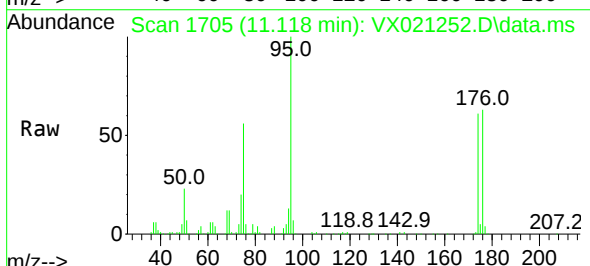
Instrument :
MSVOA_X
ClientSampled :

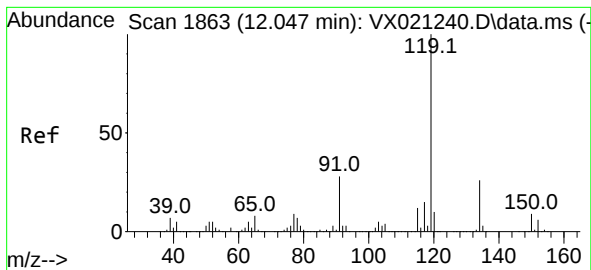
Tgt Ion: 75 Resp: 33712
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.59 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20

Tgt Ion: 75 Resp: 33712
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#

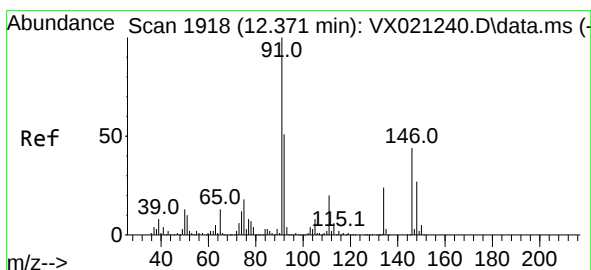
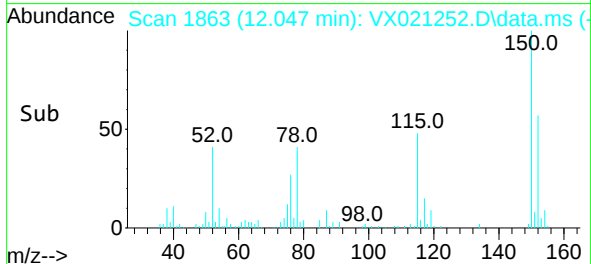
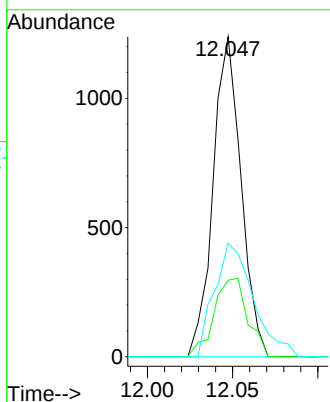
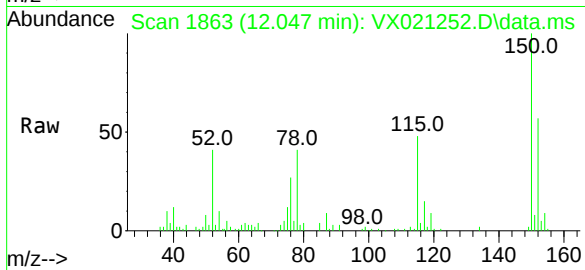




#86
p-Isopropyltoluene
Concen: 0.42 ug/l
RT: 12.047 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:119 Resp: 1414
Ion Ratio Lower Upper
119 100
134 29.5 12.9 38.7
91 49.4 11.7 35.0#



#89
n-Butylbenzene
Concen: 5.01 ug/l
RT: 12.141 min Scan# 1879
Delta R.T. -0.230 min
Lab File: VX021252.D
Acq: 16 Mar 2021 18:20

Tgt Ion: 91 Resp: 15212
Ion Ratio Lower Upper
91 100
92 31.2 27.4 82.0
134 15.7 13.2 39.5

