

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032321\
 Data File : VX021393.D
 Acq On : 23 Mar 2021 18:06
 Operator : JC/MD
 Sample : PB135273TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 24 01:58:57 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)

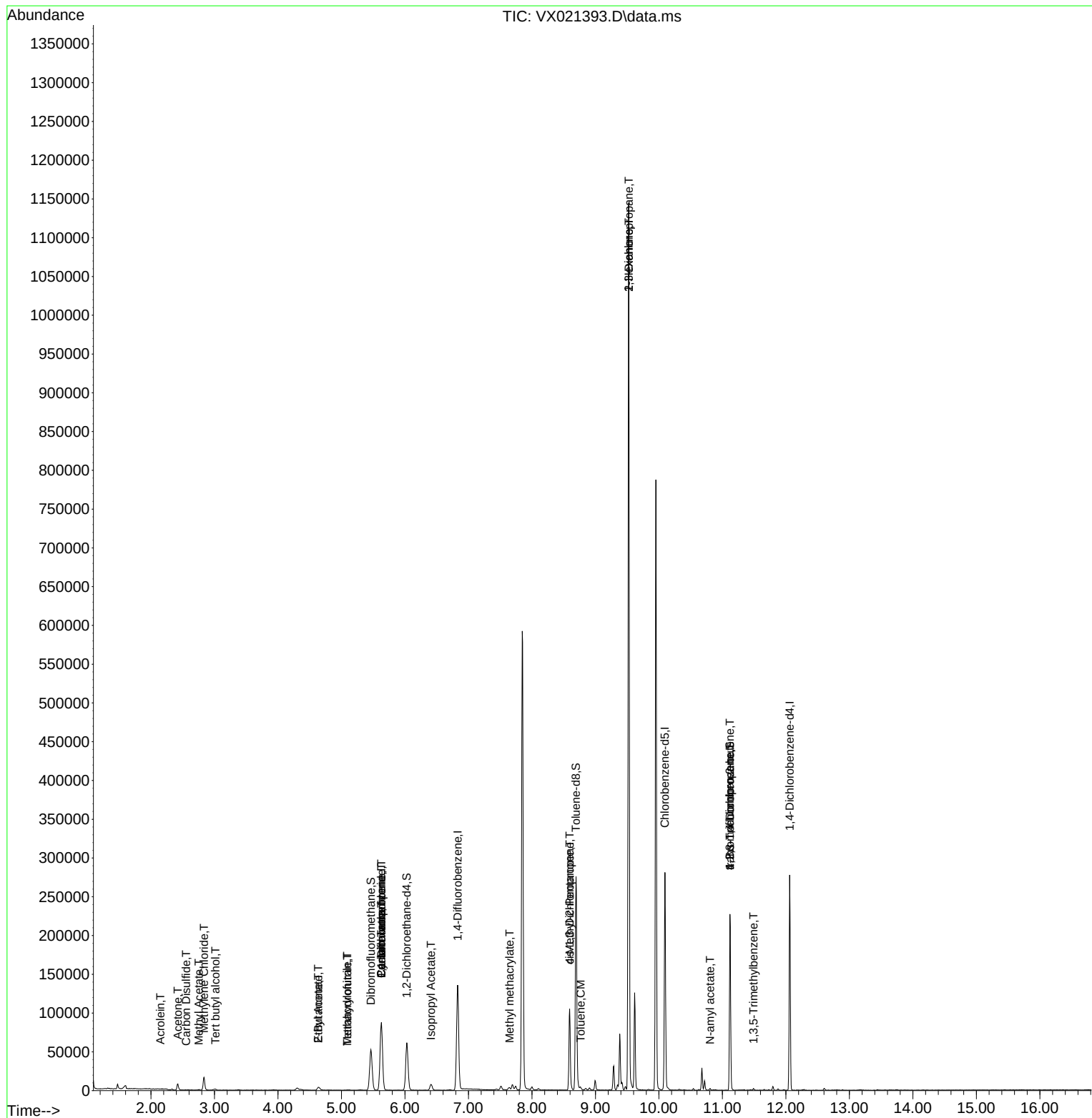
Internal Standards						
1) Pentafluorobenzene	5.629	168	76660	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	124470	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	115798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	50216	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	60336	47.99	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 95.98%			
35) Dibromofluoromethane	5.464	113	42552	50.24	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.48%			
50) Toluene-d8	8.694	98	155960	50.75	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.50%			
62) 4-Bromofluorobenzene	11.118	95	57996	48.60	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.20%			
Target Compounds						Qvalue
3) Chloromethane	1.317	50	1316	Below Cal		94
11) Tert butyl alcohol	3.017	59	1441	6.82 ug/l		99
13) Acrolein	2.146	56	107	3.96 ug/l #		61
16) Acetone	2.423	43	8642	18.68 ug/l		90
17) Carbon Disulfide	2.552	76	67	0.57 ug/l #		75
18) Methyl Acetate	2.752	43	758	0.60 ug/l #		62
20) Methylene Chloride	2.834	84	6912	7.26 ug/l #		86
25) 2-Butanone	4.635	43	6367	8.95 ug/l #		85
29) Tetrahydrofuran	5.093	42	223	0.47 ug/l #		27
31) Cyclohexane	5.629	56	2042	1.34 ug/l #		25
36) 1,1-Dichloropropene	5.629	75	6777	5.40 ug/l #		44
37) Ethyl Acetate	4.635	43	6367	4.38 ug/l #		64
38) Carbon Tetrachloride	5.629	117	8528	6.55 ug/l #		15
41) Methacrylonitrile	5.093	41	257	0.31 ug/l #		32
43) Isopropyl Acetate	6.411	43	10054	4.22 ug/l #		90
48) Methyl methacrylate	7.647	41	3571	2.83 ug/l #		10
49) 1,4-Dioxane	7.847	88	64	Below Cal #		1
51) 4-Methyl-2-Pentanone	8.594	43	37157	26.80 ug/l #		43
52) Toluene	8.765	92	687	0.32 ug/l		80
54) cis-1,3-Dichloropropene	8.594	75	14850	9.62 ug/l #		75
57) 1,3-Dichloropropane	9.523	76	8912	5.86 ug/l #		42
59) 2-Hexanone	9.523	43	138465	133.42 ug/l #		42
74) N-amyl acetate	10.806	43	1275	0.67 ug/l #		44
76) 1,2,3-Trichloropropane	11.118	75	32714	28.08 ug/l #		39
80) 1,3,5-Trimethylbenzene	11.488	105	937	0.30 ug/l		93
81) trans-1,4-Dichloro-2-b...	11.118	75	32714	76.25 ug/l #		12

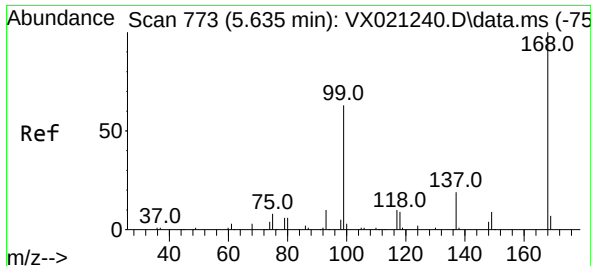
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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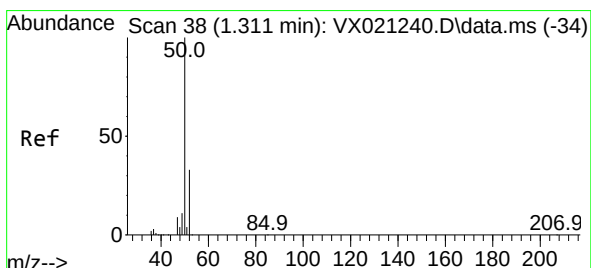
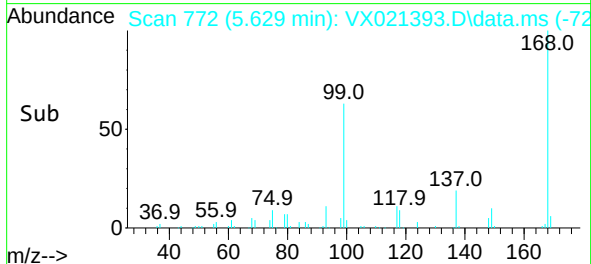
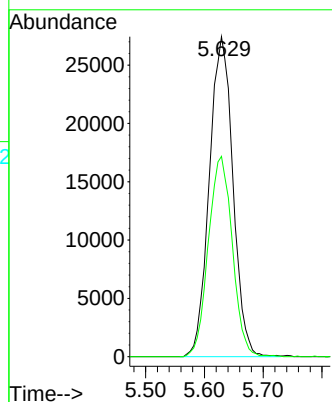
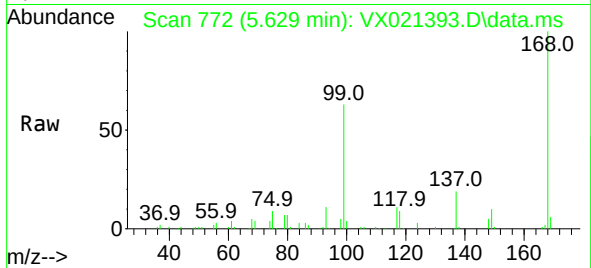




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.006 min
Lab File: VX021393.D
Acq: 23 Mar 2021 18:06

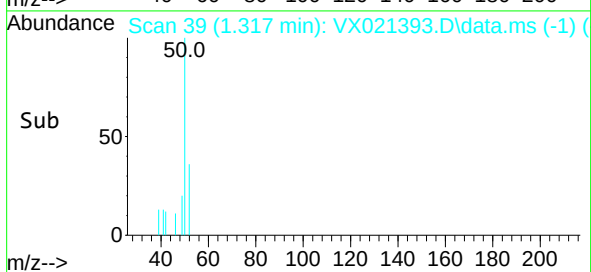
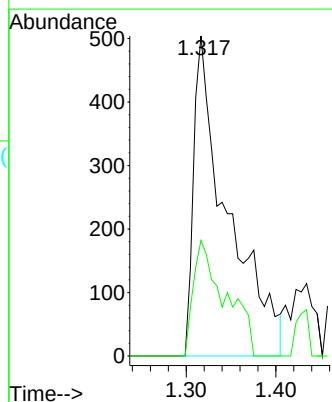
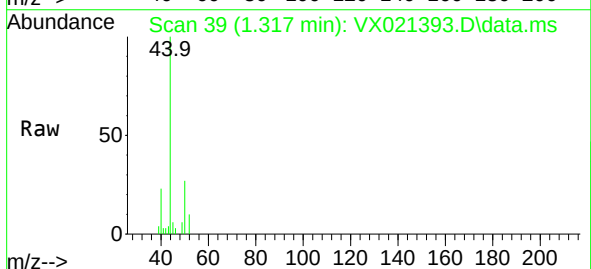
Instrument :
MSVOA_X
ClientSampled :

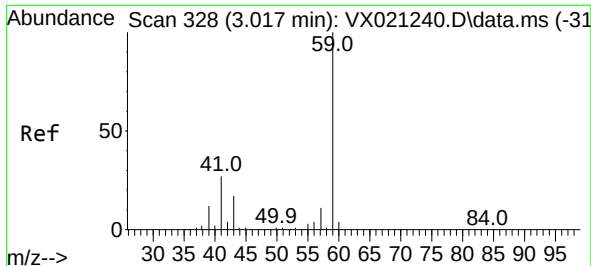
Tgt Ion:168 Resp: 76660
Ion Ratio Lower Upper
168 100
99 62.6 45.8 68.6



#3
Chloromethane
Concen: Below Cal
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021393.D
Acq: 23 Mar 2021 18:06

Tgt Ion: 50 Resp: 1316
Ion Ratio Lower Upper
50 100
52 36.1 26.4 39.6



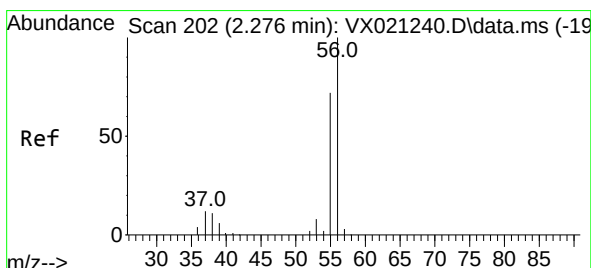
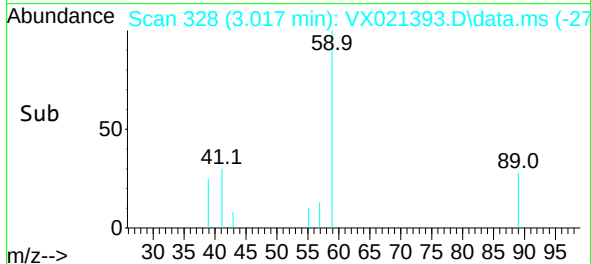
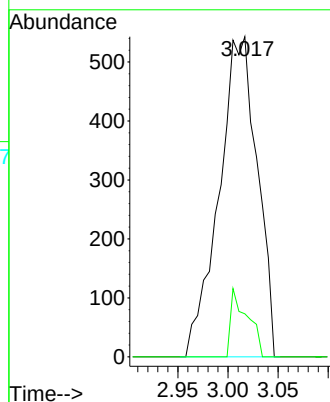
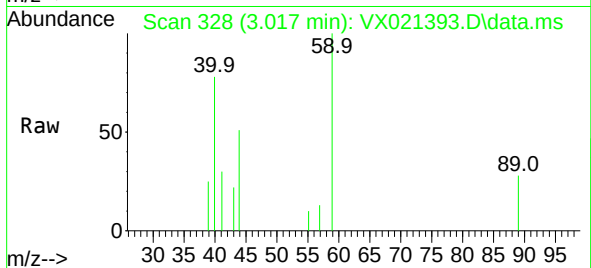


#11

Tert butyl alcohol
Concen: 6.82 ug/l
RT: 3.017 min Scan# 328
Delta R.T. -0.000 min
Lab File: VX021393.D
Acq: 23 Mar 2021 18:06

Instrument :
MSVOA_X
ClientSampled :

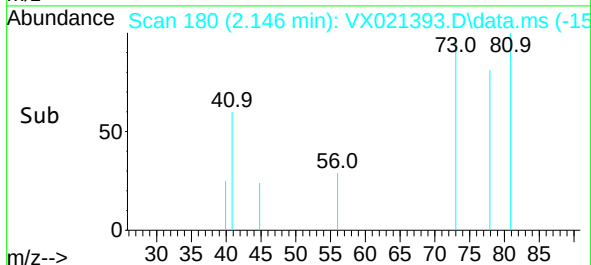
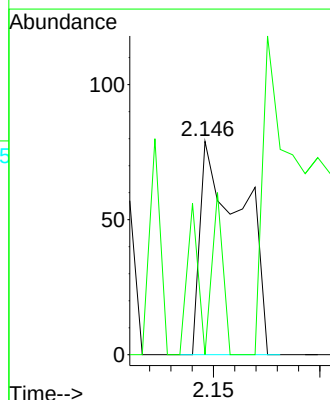
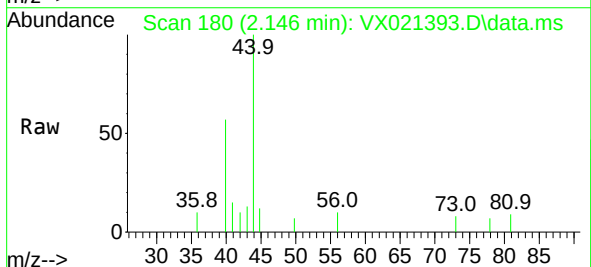
Tgt Ion: 59 Resp: 1441
Ion Ratio Lower Upper
59 100
57 9.4 7.8 11.8

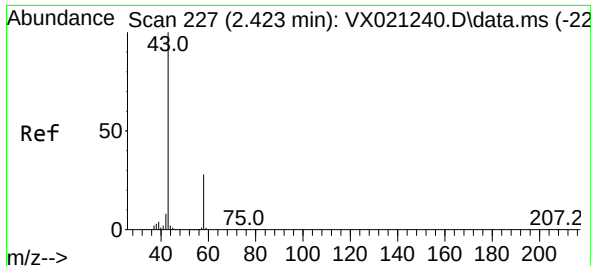


#13

Acrolein
Concen: 3.96 ug/l
RT: 2.146 min Scan# 180
Delta R.T. -0.130 min
Lab File: VX021393.D
Acq: 23 Mar 2021 18:06

Tgt Ion: 56 Resp: 107
Ion Ratio Lower Upper
56 100
55 38.3 56.4 84.6#

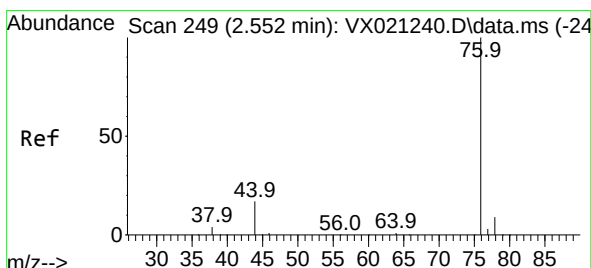
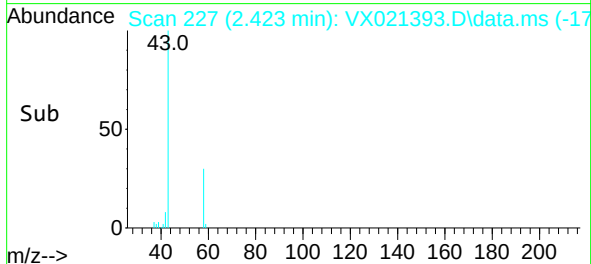
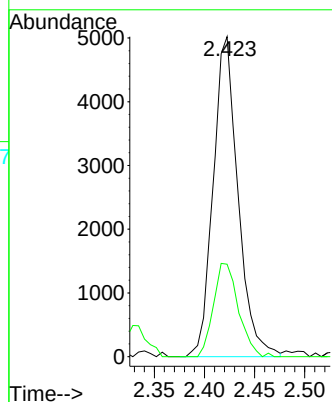
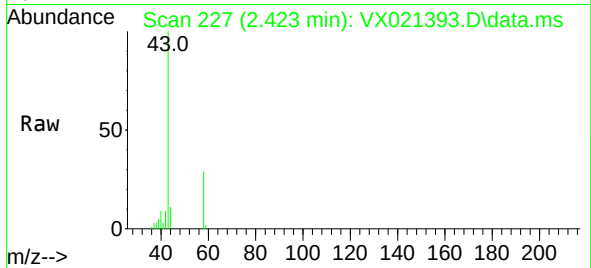




#16
Acetone
Concen: 18.68 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021393.D
Acq: 23 Mar 2021 18:06

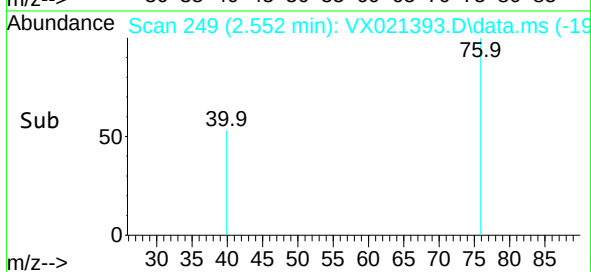
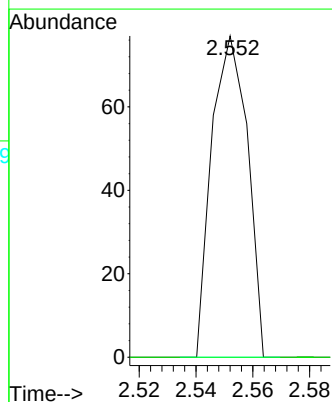
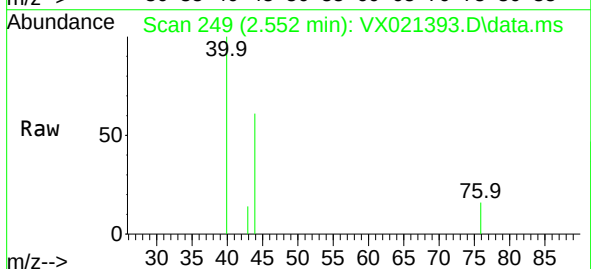
Instrument :
MSVOA_X
ClientSampled :

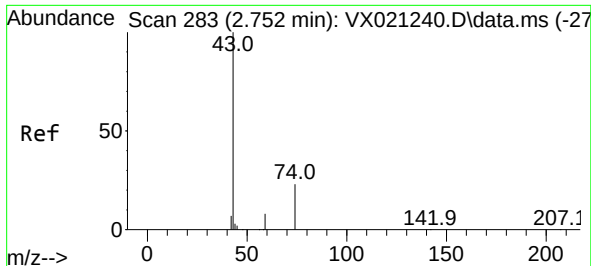
Tgt Ion: 43 Resp: 8642
Ion Ratio Lower Upper
43 100
58 28.9 27.8 41.8



#17
Carbon Disulfide
Concen: 0.57 ug/l
RT: 2.552 min Scan# 249
Delta R.T. -0.000 min
Lab File: VX021393.D
Acq: 23 Mar 2021 18:06

Tgt Ion: 76 Resp: 67
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

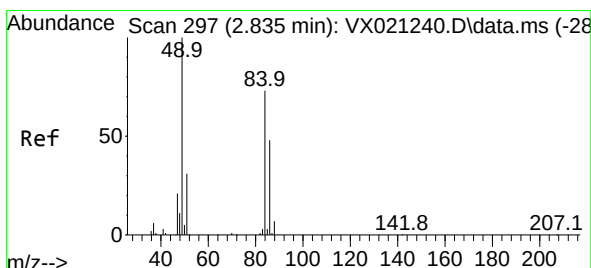
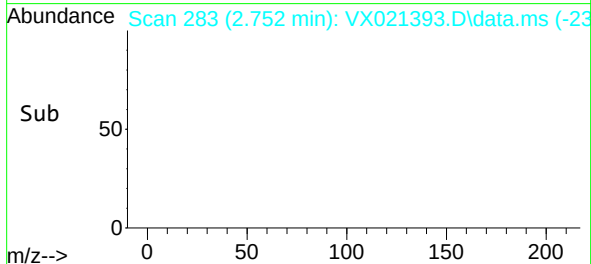
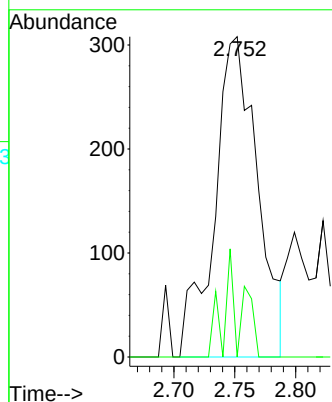
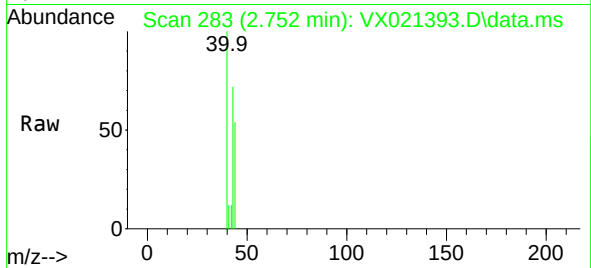




#18
Methyl Acetate
Concen: 0.60 ug/l
RT: 2.752 min Scan# 283
Delta R.T. -0.000 min
Lab File: VX021393.D
Acq: 23 Mar 2021 18:06

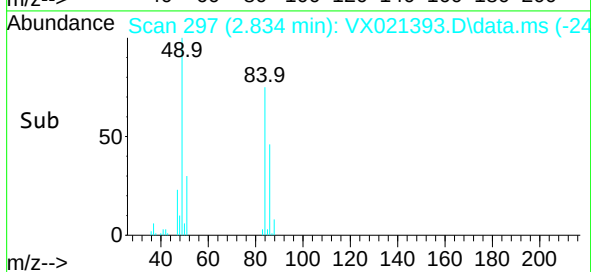
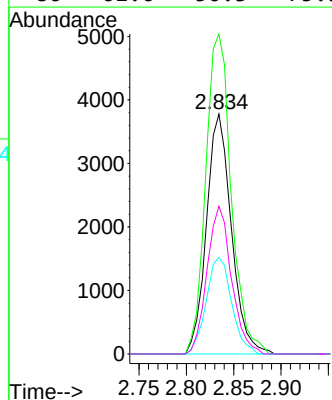
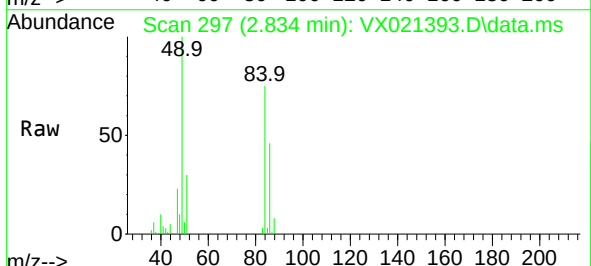
Instrument :
MSVOA_X
ClientSampled :

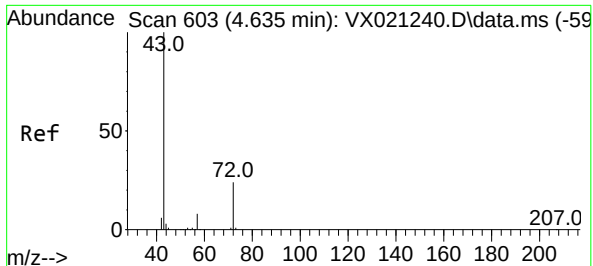
Tgt Ion: 43 Resp: 758
Ion Ratio Lower Upper
43 100
74 7.8 21.9 32.9#



#20
Methylene Chloride
Concen: 7.26 ug/l
RT: 2.834 min Scan# 297
Delta R.T. -0.001 min
Lab File: VX021393.D
Acq: 23 Mar 2021 18:06

Tgt Ion: 84 Resp: 6912
Ion Ratio Lower Upper
84 100
49 133.4 88.6 132.8#
51 40.3 27.0 40.6
86 61.6 50.3 75.5

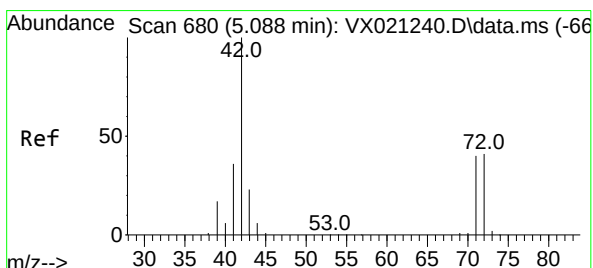
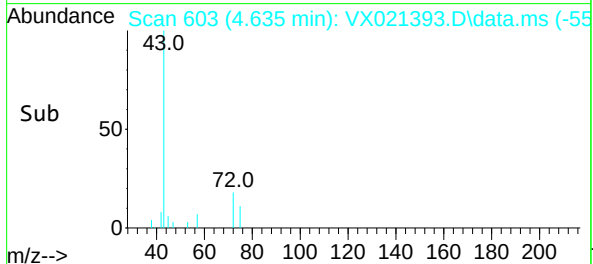
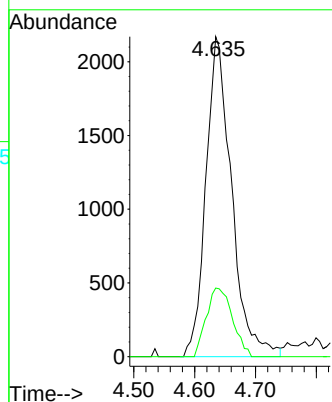
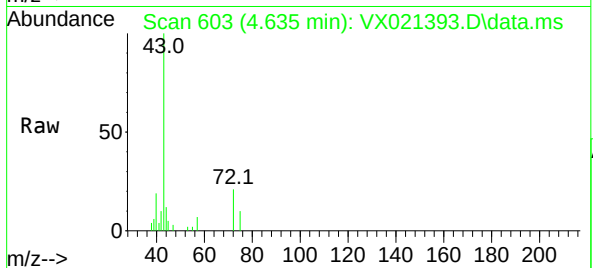




#25
2-Butanone
Concen: 8.95 ug/l
RT: 4.635 min Scan# 603
Delta R.T. -0.000 min
Lab File: VX021393.D
Acq: 23 Mar 2021 18:06

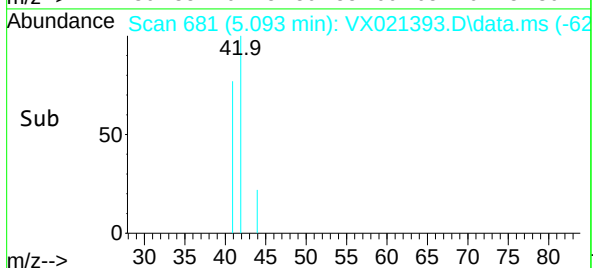
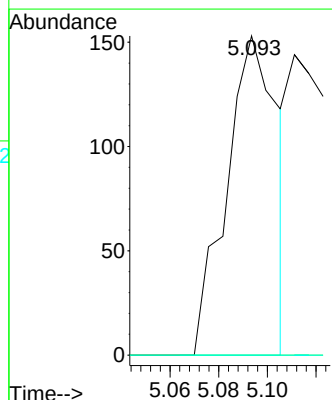
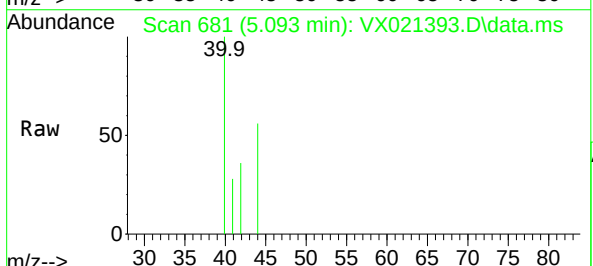
Instrument :
MSVOA_X
ClientSampled :

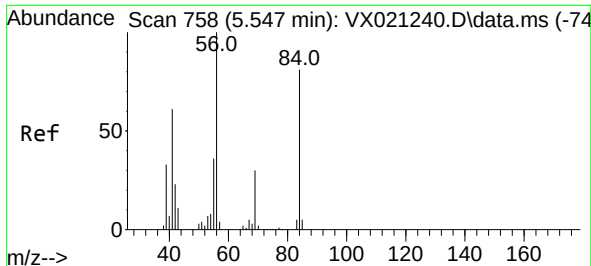
Tgt Ion: 43 Resp: 6367
Ion Ratio Lower Upper
43 100
72 21.5 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.47 ug/l
RT: 5.093 min Scan# 681
Delta R.T. 0.005 min
Lab File: VX021393.D
Acq: 23 Mar 2021 18:06

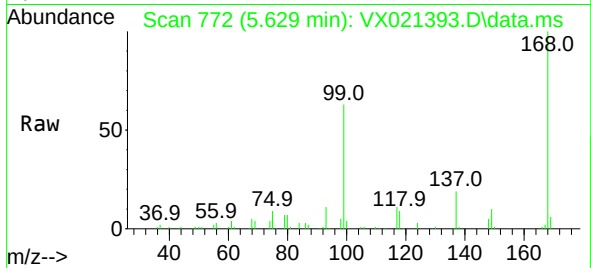
Tgt Ion: 42 Resp: 223
Ion Ratio Lower Upper
42 100
72 0.0 41.7 62.5#
71 0.0 38.4 57.6#



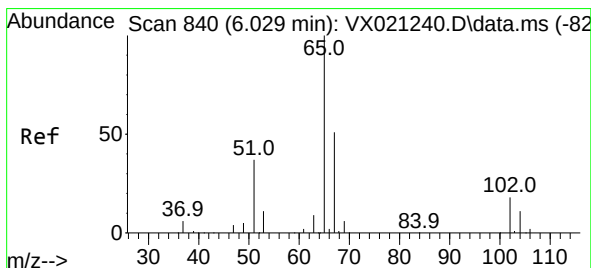
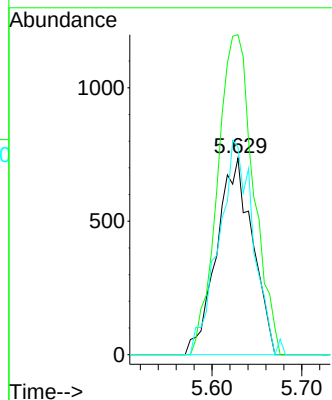
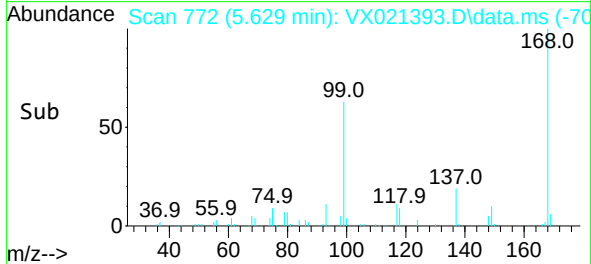


#31
Cyclohexane
Concen: 1.34 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.082 min
Lab File: VX021393.D
Acq: 23 Mar 2021 18:06

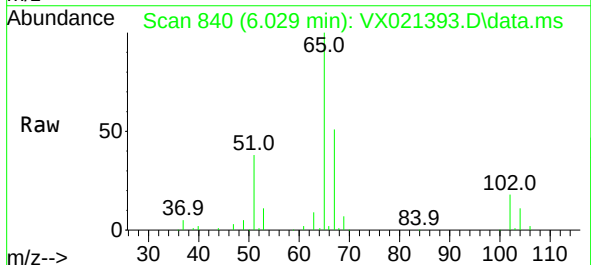
Instrument :
MSVOA_X
ClientSampled :



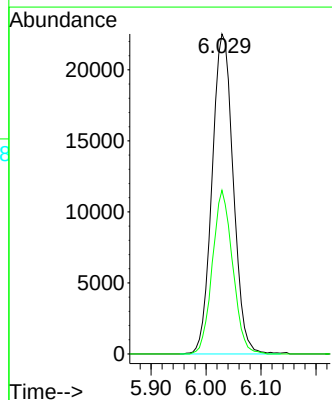
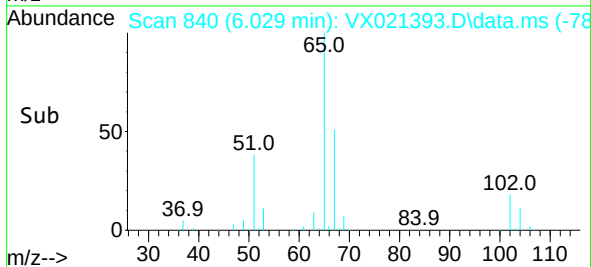
Tgt Ion: 56 Resp: 2042
Ion Ratio Lower Upper
56 100
69 162.9 25.3 37.9#
84 105.8 71.4 107.0

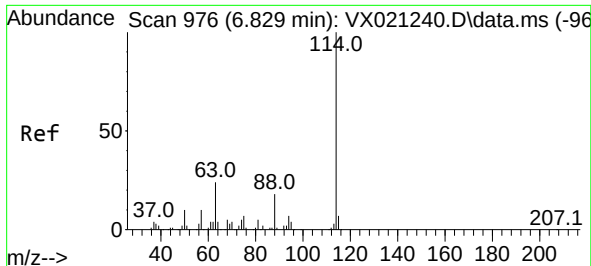


#33
1,2-Dichloroethane-d4
Concen: 47.99 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021393.D
Acq: 23 Mar 2021 18:06



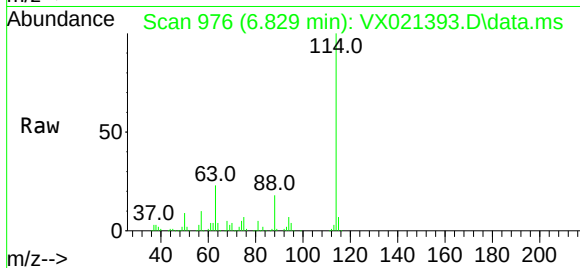
Tgt Ion: 65 Resp: 60336
Ion Ratio Lower Upper
65 100
67 49.0 0.0 105.4



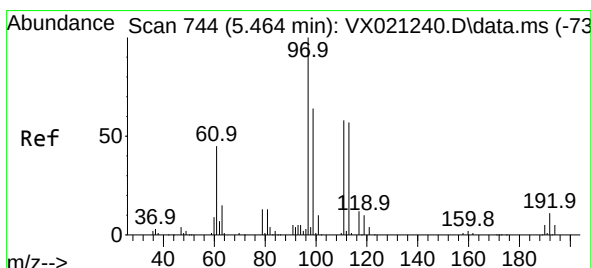
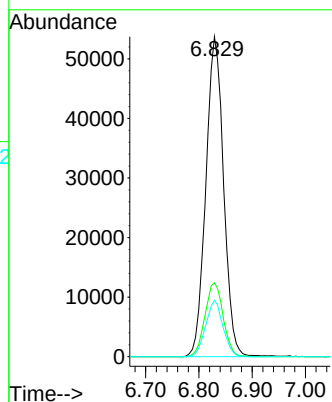
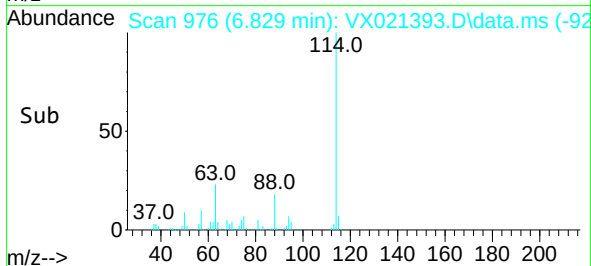


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. -0.000 min
Lab File: VX021393.D
Acq: 23 Mar 2021 18:06

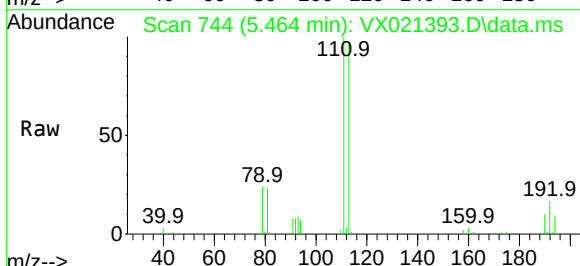
Instrument :
MSVOA_X
ClientSampled :



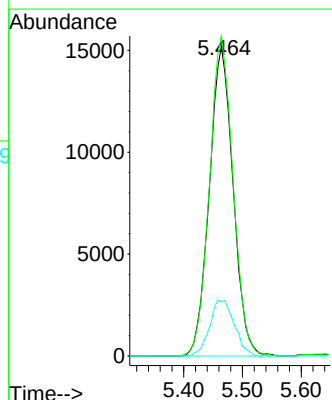
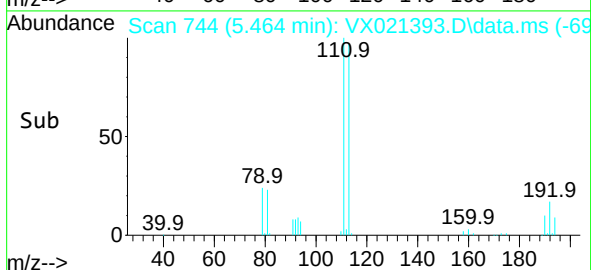
Tgt Ion:114 Resp: 124470
Ion Ratio Lower Upper
114 100
63 23.1 0.0 40.8
88 17.6 0.0 32.8

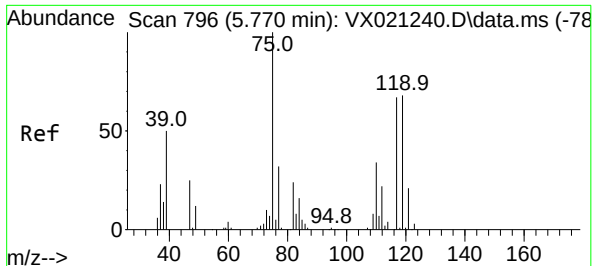


#35
Dibromofluoromethane
Concen: 50.24 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021393.D
Acq: 23 Mar 2021 18:06



Tgt Ion:113 Resp: 42552
Ion Ratio Lower Upper
113 100
111 102.8 81.9 122.9
192 18.8 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.40 ug/l

RT: 5.629 min Scan# 772

Delta R.T. -0.141 min

Lab File: VX021393.D

Acq: 23 Mar 2021 18:06

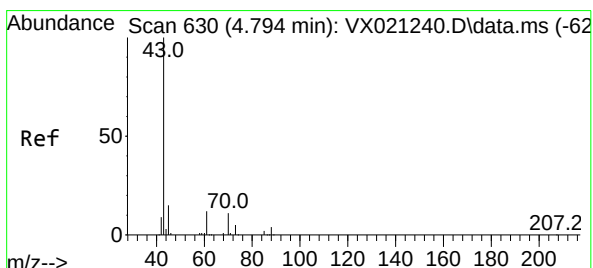
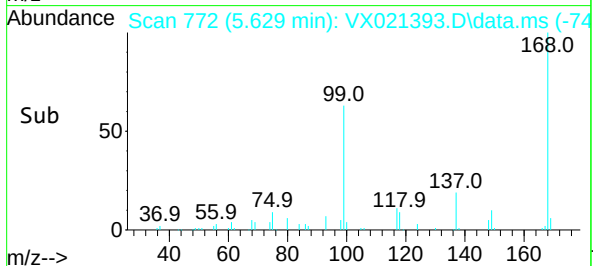
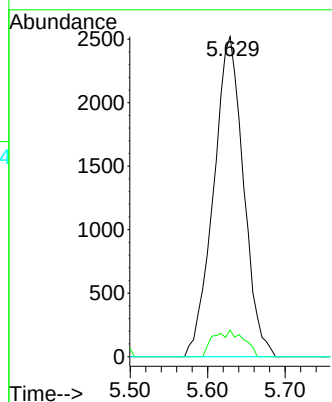
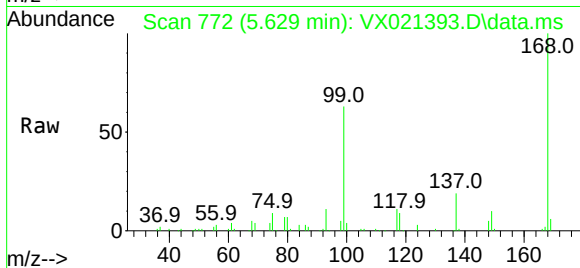
Tgt Ion: 75 Resp: 6777

Ion Ratio Lower Upper

75 100

110 3.9 18.1 54.4#

77 0.0 25.3 37.9#



#37

Ethyl Acetate

Concen: 4.38 ug/l

RT: 4.635 min Scan# 603

Delta R.T. -0.159 min

Lab File: VX021393.D

Acq: 23 Mar 2021 18:06

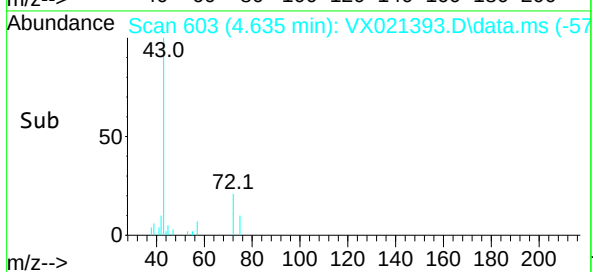
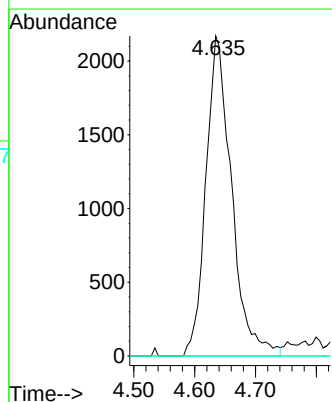
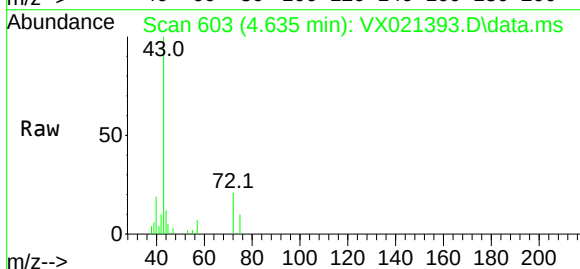
Tgt Ion: 43 Resp: 6367

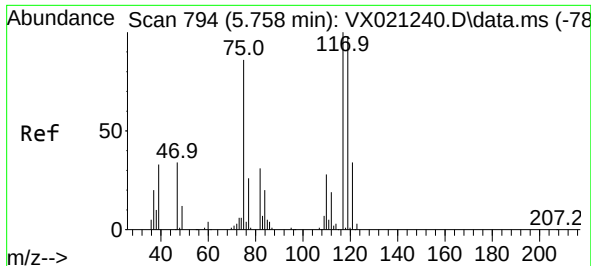
Ion Ratio Lower Upper

43 100

61 0.0 12.8 19.2#

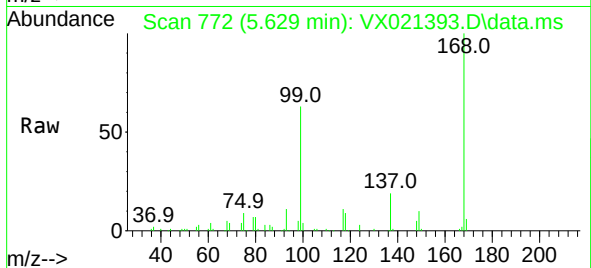
70 0.0 10.5 15.7#



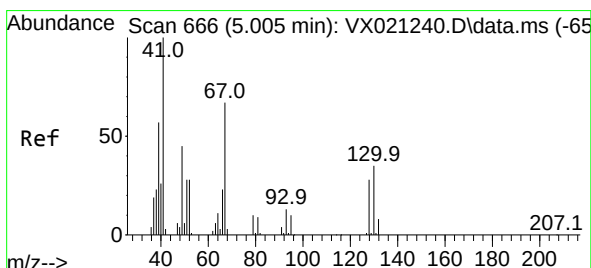
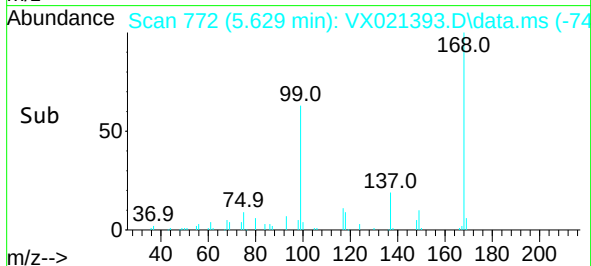
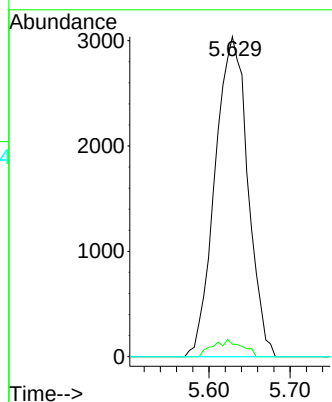


#38
Carbon Tetrachloride
Concen: 6.55 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.129 min
Lab File: VX021393.D
Acq: 23 Mar 2021 18:06

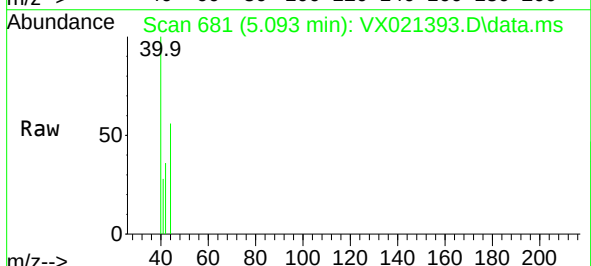
Instrument :
MSVOA_X
ClientSampled :



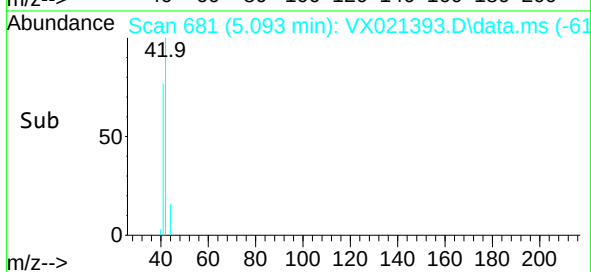
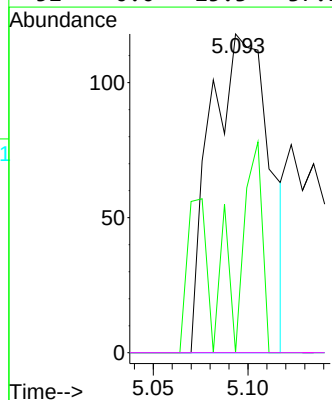
Tgt Ion:117 Resp: 8528
Ion Ratio Lower Upper
117 100
119 3.9 76.2 114.2#
121 0.0 24.8 37.2#

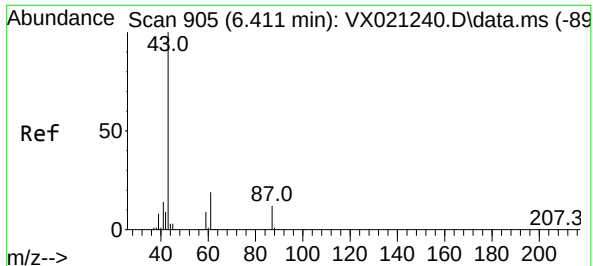


#41
Methacrylonitrile
Concen: 0.31 ug/l
RT: 5.093 min Scan# 681
Delta R.T. 0.088 min
Lab File: VX021393.D
Acq: 23 Mar 2021 18:06



Tgt Ion: 41 Resp: 257
Ion Ratio Lower Upper
41 100
39 26.5 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

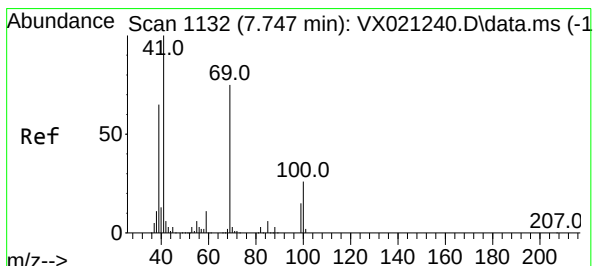
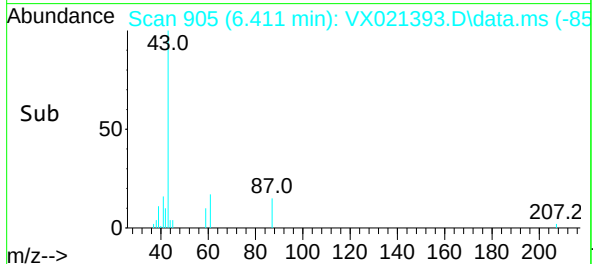
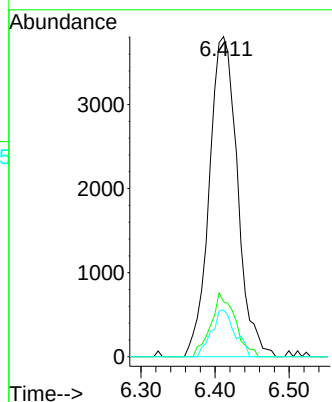
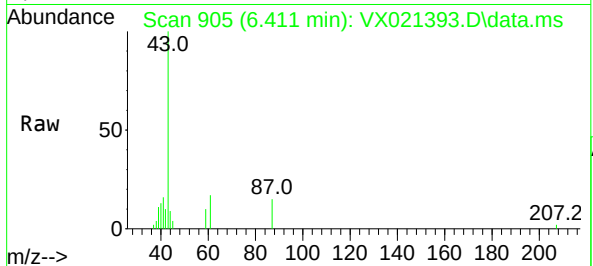




#43
Isopropyl Acetate
Concen: 4.22 ug/l
RT: 6.411 min Scan# 905
Delta R.T. 0.000 min
Lab File: VX021393.D
Acq: 23 Mar 2021 18:06

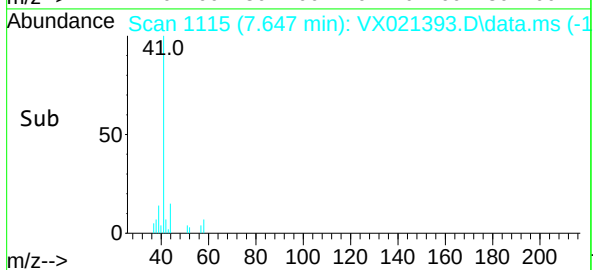
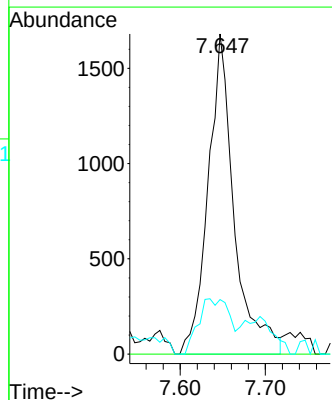
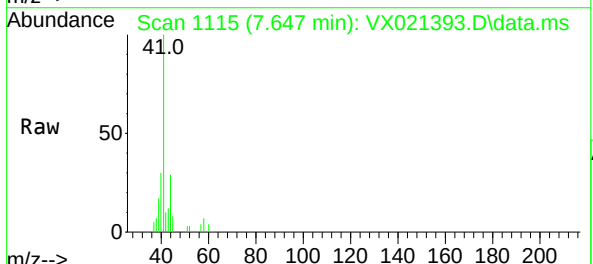
Instrument :
MSVOA_X
ClientSampled :

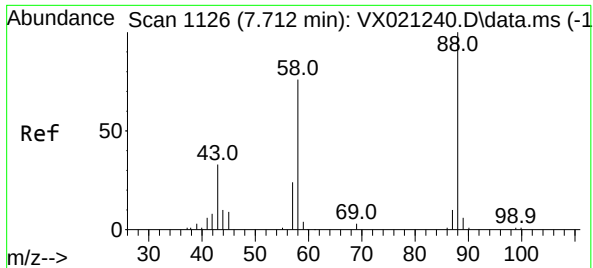
Tgt Ion: 43 Resp: 10054
Ion Ratio Lower Upper
43 100
61 17.1 18.2 27.4#
87 12.0 12.5 18.7#



#48
Methyl methacrylate
Concen: 2.83 ug/l
RT: 7.647 min Scan# 1115
Delta R.T. -0.100 min
Lab File: VX021393.D
Acq: 23 Mar 2021 18:06

Tgt Ion: 41 Resp: 3571
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#

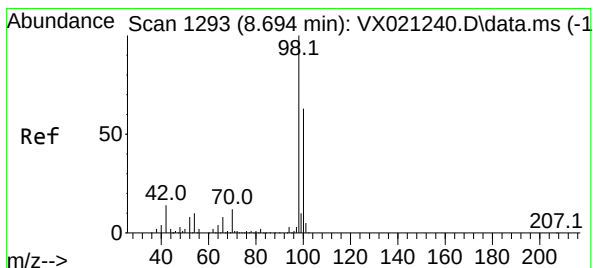
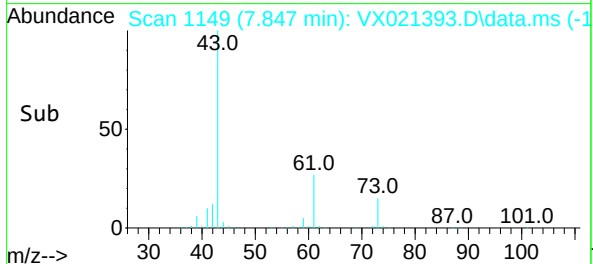
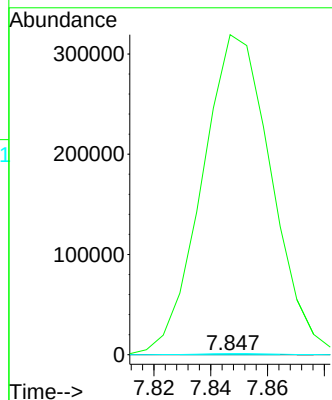
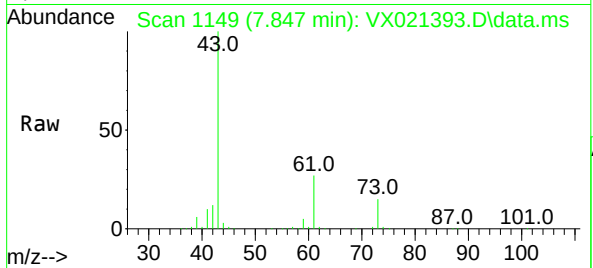




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.847 min Scan# 1149
Delta R.T. 0.135 min
Lab File: VX021393.D
Acq: 23 Mar 2021 18:06

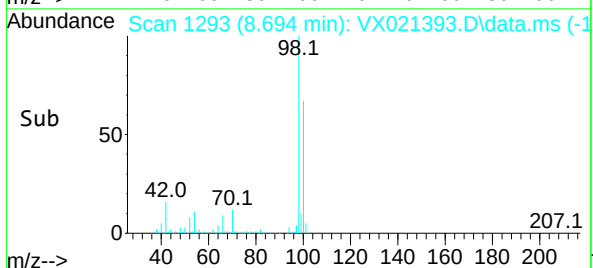
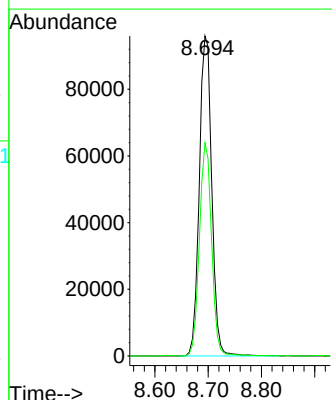
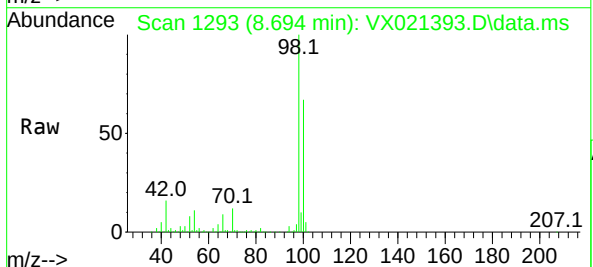
Instrument :
MSVOA_X
ClientSampled :

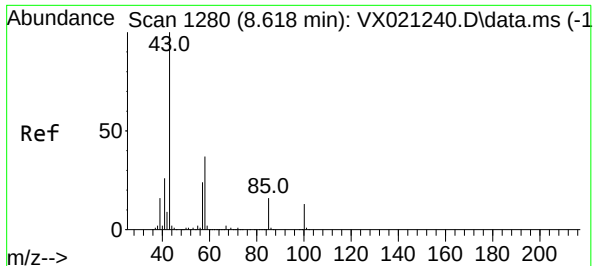
Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 857059.4 23.2 34.8#
58 3254.7 55.0 82.4#



#50
Toluene-d8
Concen: 50.75 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021393.D
Acq: 23 Mar 2021 18:06

Tgt Ion: 98 Resp: 155960
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9

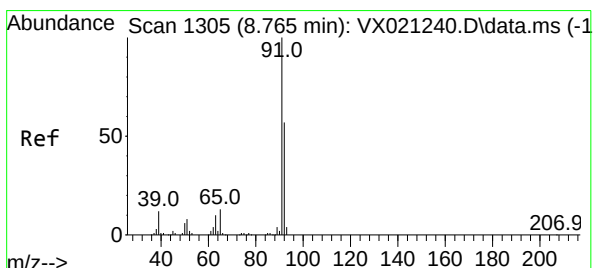
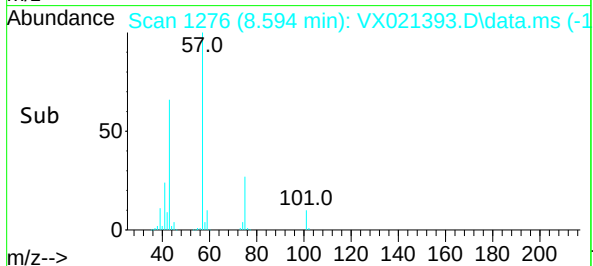
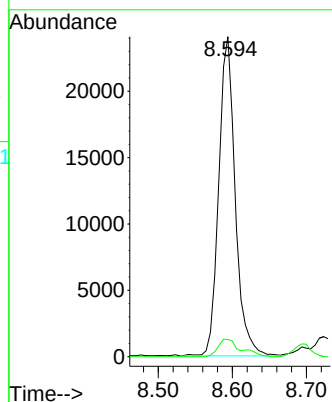
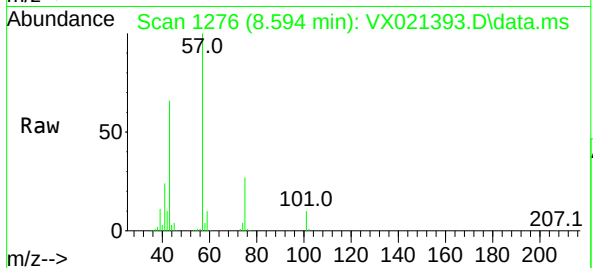




#51
4-Methyl-2-Pentanone
Concen: 26.80 ug/l
RT: 8.594 min Scan# 1276
Delta R.T. -0.024 min
Lab File: VX021393.D
Acq: 23 Mar 2021 18:06

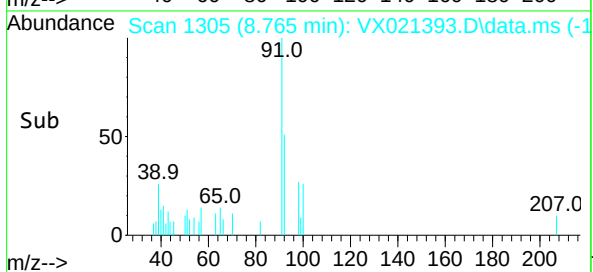
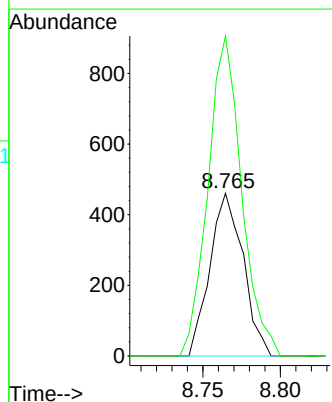
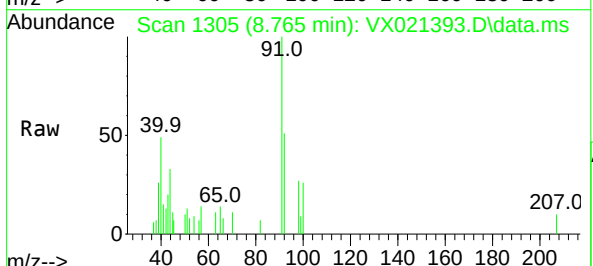
Instrument :
MSVOA_X
ClientSampled :

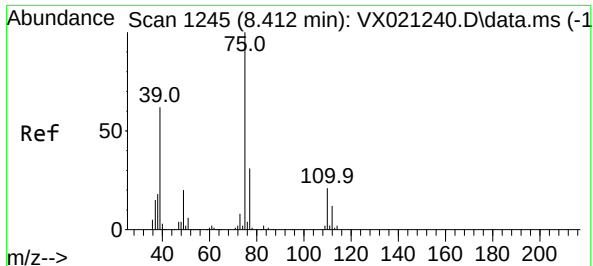
Tgt Ion: 43 Resp: 37157
Ion Ratio Lower Upper
43 100
58 7.5 35.4 53.0#



#52
Toluene
Concen: 0.32 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VX021393.D
Acq: 23 Mar 2021 18:06

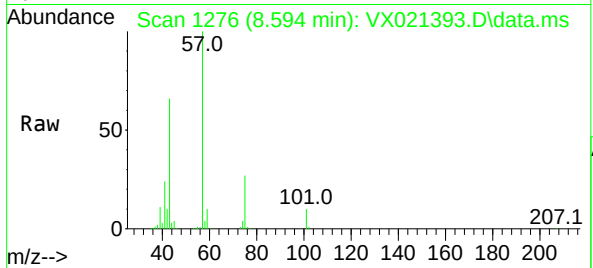
Tgt Ion: 92 Resp: 687
Ion Ratio Lower Upper
92 100
91 199.3 137.1 205.7



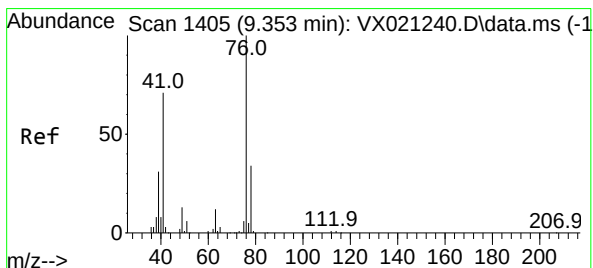
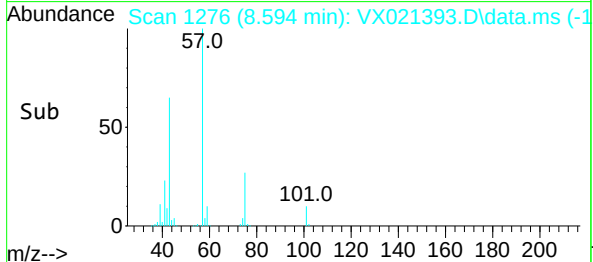
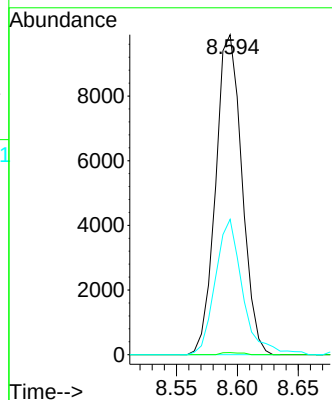


#54
 cis-1,3-Dichloropropene
 Concen: 9.62 ug/l
 RT: 8.594 min Scan# 1276
 Delta R.T. 0.182 min
 Lab File: VX021393.D
 Acq: 23 Mar 2021 18:06

Instrument :
 MSVOA_X
 ClientSampled :

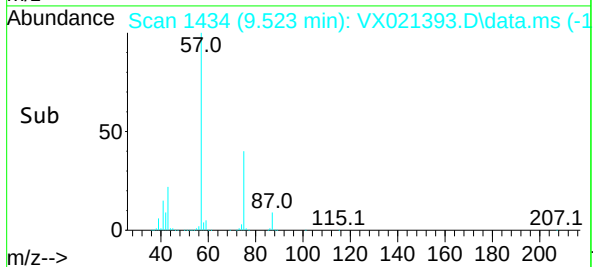
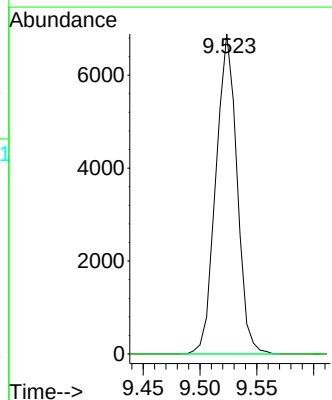
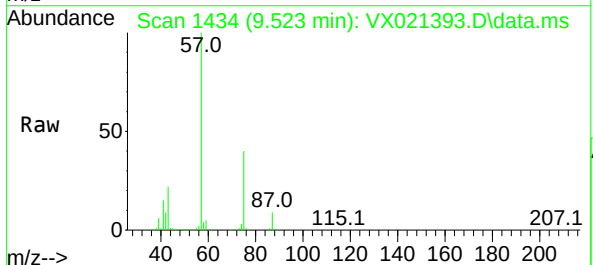


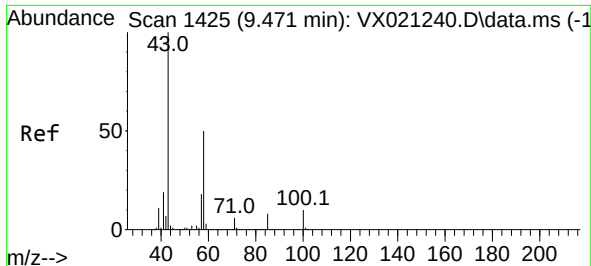
Tgt Ion: 75 Resp: 14850
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.7 38.5#
 39 42.3 35.1 52.7



#57
 1,3-Dichloropropane
 Concen: 5.86 ug/l
 RT: 9.523 min Scan# 1434
 Delta R.T. 0.170 min
 Lab File: VX021393.D
 Acq: 23 Mar 2021 18:06

Tgt Ion: 76 Resp: 8912
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

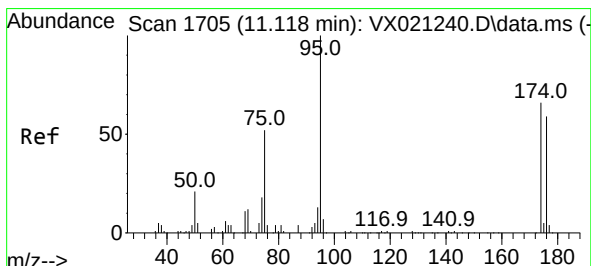
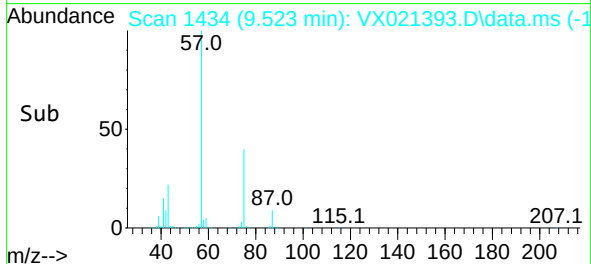
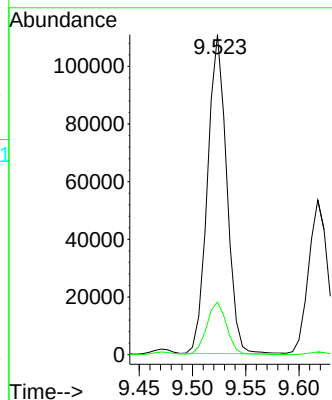
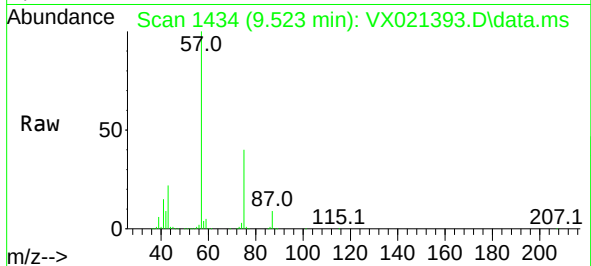




#59
2-Hexanone
Concen: 133.42 ug/l
RT: 9.523 min Scan# 1434
Delta R.T. 0.052 min
Lab File: VX021393.D
Acq: 23 Mar 2021 18:06

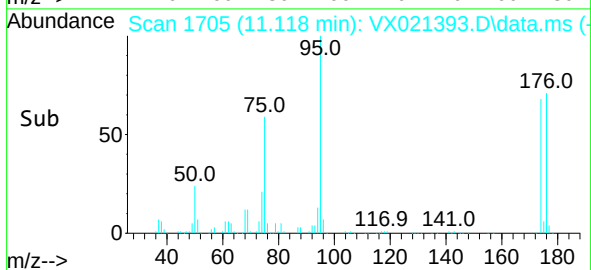
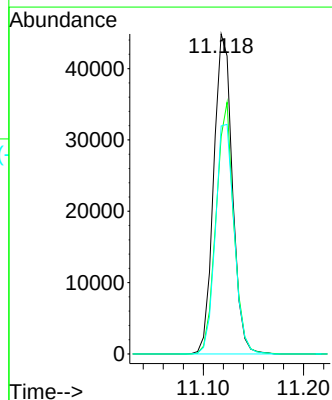
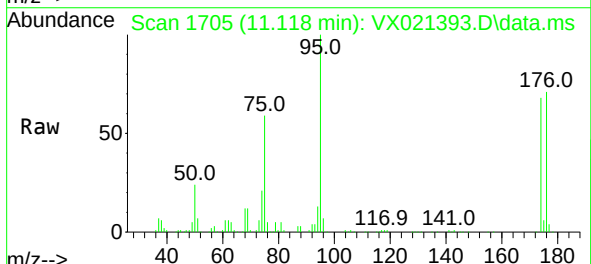
Instrument :
MSVOA_X
ClientSampled :

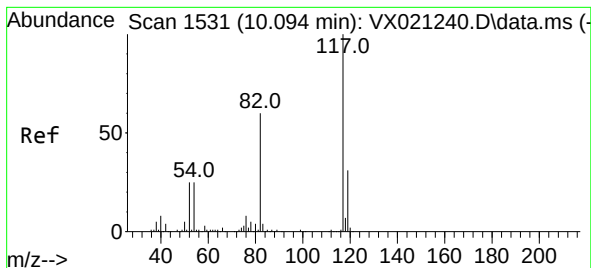
Tgt Ion: 43 Resp: 138465
Ion Ratio Lower Upper
43 100
58 17.4 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 48.60 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021393.D
Acq: 23 Mar 2021 18:06

Tgt Ion: 95 Resp: 57996
Ion Ratio Lower Upper
95 100
174 74.4 0.0 154.6
176 72.4 0.0 155.8

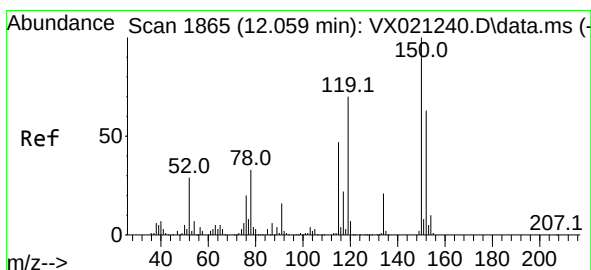
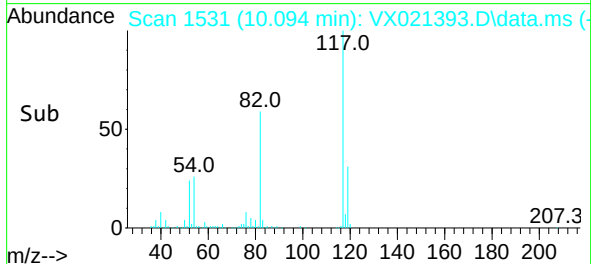
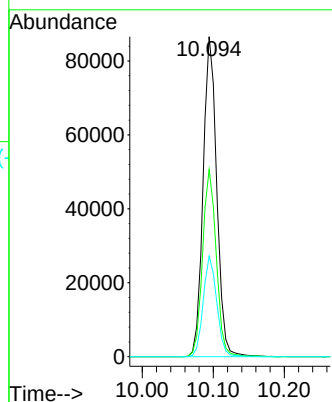
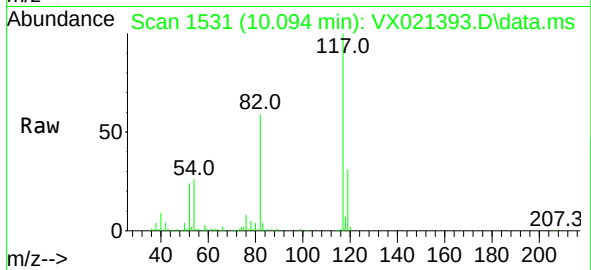




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021393.D
Acq: 23 Mar 2021 18:06

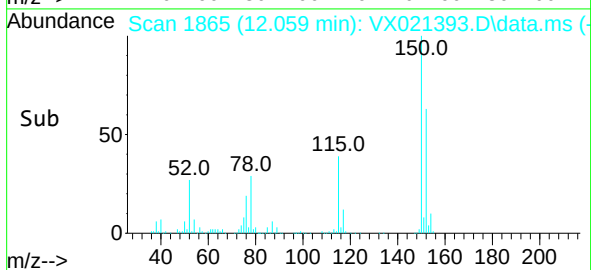
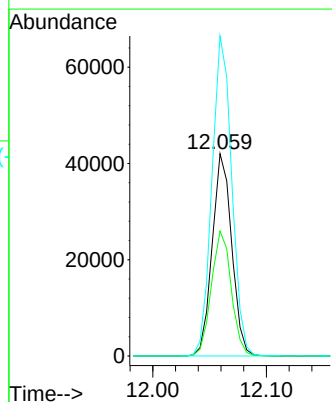
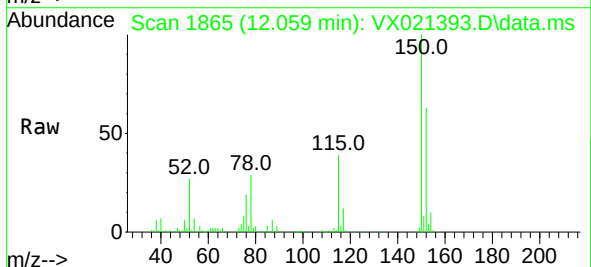
Instrument :
MSVOA_X
ClientSampleId :

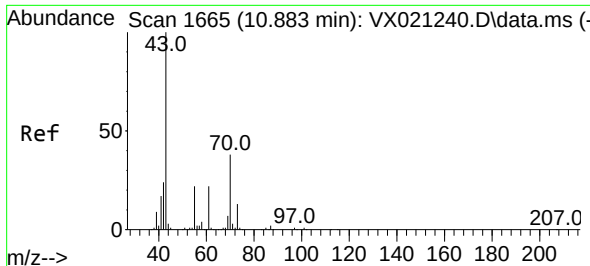
Tgt Ion:117 Resp: 115798
Ion Ratio Lower Upper
117 100
82 58.5 47.4 71.2
119 31.4 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021393.D
Acq: 23 Mar 2021 18:06

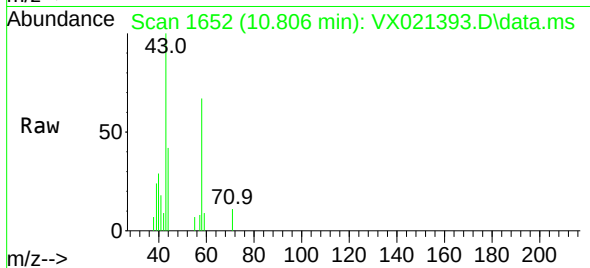
Tgt Ion:152 Resp: 50216
Ion Ratio Lower Upper
152 100
115 62.8 41.1 123.3
150 160.4 0.0 349.0



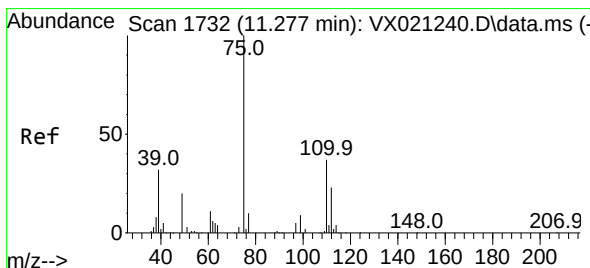
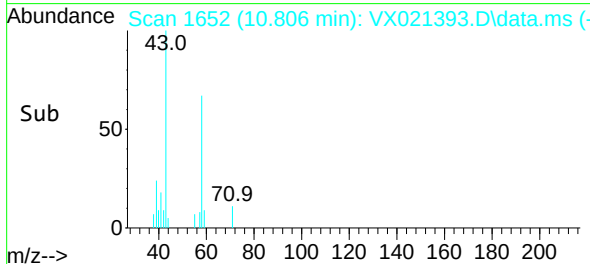
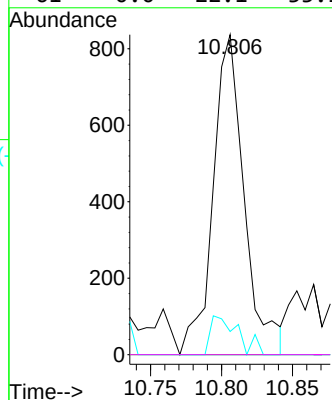


#74
N-amy1 acetate
Concen: 0.67 ug/l
RT: 10.806 min Scan# 1652
Delta R.T. -0.077 min
Lab File: VX021393.D
Acq: 23 Mar 2021 18:06

Instrument :
MSVOA_X
ClientSampled :

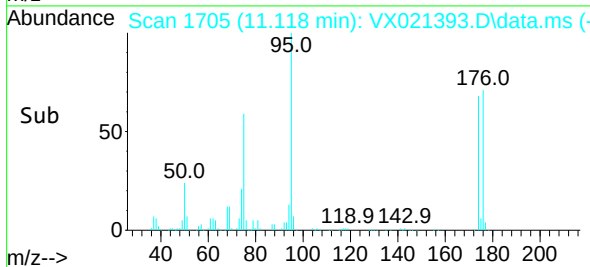
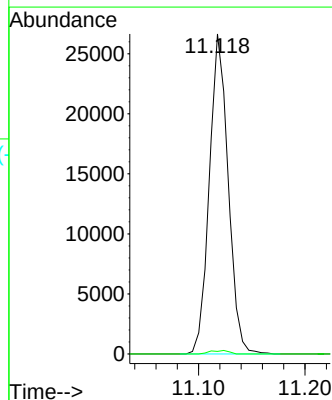
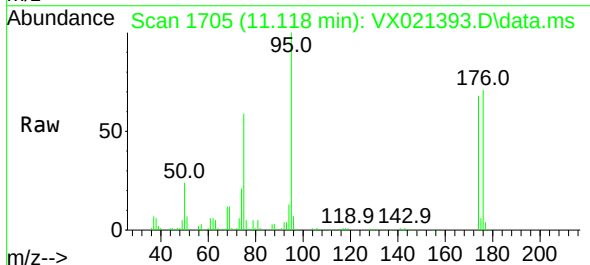


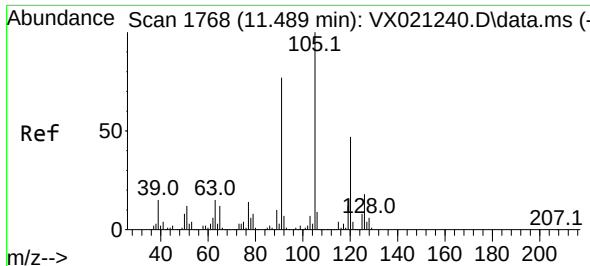
Tgt Ion: 43	Resp: 1275
Ion Ratio	Lower Upper
43 100	
70 0.0	39.0 58.6#
55 10.7	21.5 32.3#
61 0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 28.08 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021393.D
Acq: 23 Mar 2021 18:06

Tgt Ion: 75	Resp: 32714		
Ion Ratio	Lower	Upper	
75 100			
77 1.1	19.1	57.5#	

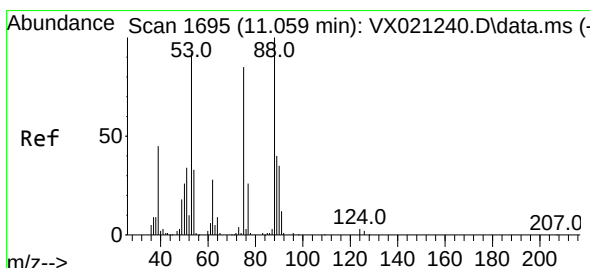
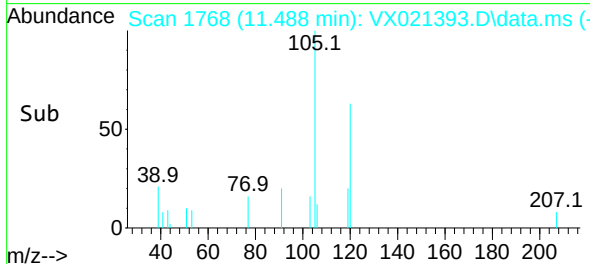
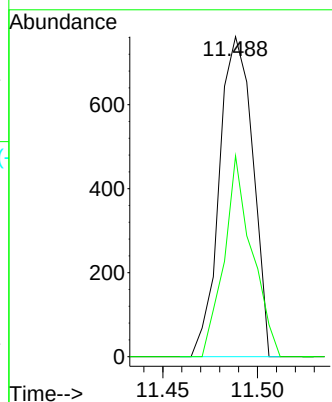
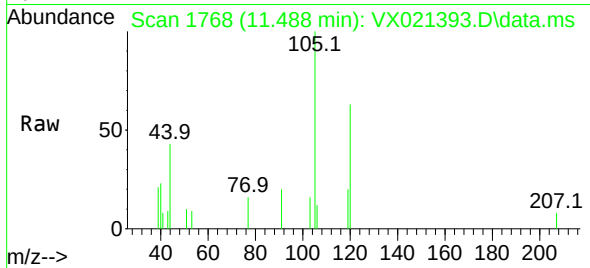




#80
1,3,5-Trimethylbenzene
Concen: 0.30 ug/l
RT: 11.488 min Scan# 1768
Delta R.T. -0.001 min
Lab File: VX021393.D
Acq: 23 Mar 2021 18:06

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:105 Resp: 937
Ion Ratio Lower Upper
105 100
120 52.3 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 76.25 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021393.D
Acq: 23 Mar 2021 18:06

Tgt Ion: 75 Resp: 32714
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

