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 Data File : VX021522.D
 Acq On : 26 Mar 2021 05:59
 Operator : JC/MD
 Sample : M1809-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 52 Sample Multiplier: 1

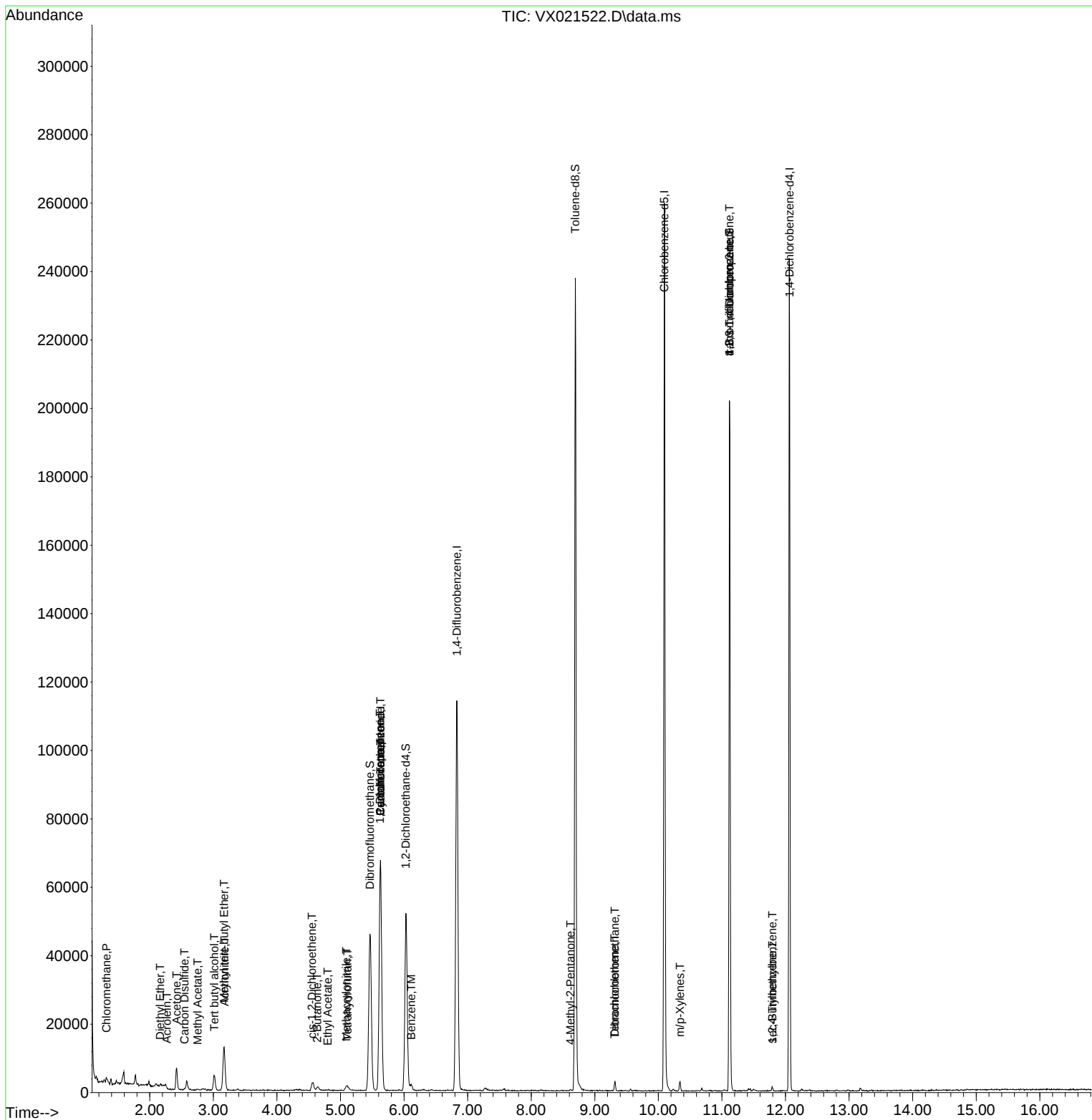
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 26 06:37:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.629	168	58574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	106084	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	104629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.065	152	44117	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	50060	51.37	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.74%	
35) Dibromofluoromethane	5.464	113	38779	51.46	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.92%	
50) Toluene-d8	8.694	98	134516	50.09	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.18%	
62) 4-Bromofluorobenzene	11.118	95	51998	49.81	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.62%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.317	50	2191	3.00	ug/l	100
8) Diethyl Ether	2.164	74	208	0.56	ug/l #	1
11) Tert butyl alcohol	3.017	59	4392	27.26	ug/l	95
13) Acrolein	2.270	56	18	4.52	ug/l #	14
15) Acrylonitrile	3.176	53	166	0.43	ug/l #	14
16) Acetone	2.423	43	6760	18.34	ug/l	89
17) Carbon Disulfide	2.546	76	584	0.35	ug/l #	75
18) Methyl Acetate	2.752	43	408	0.38	ug/l #	47
19) Methyl tert-butyl Ether	3.170	73	12612	5.72	ug/l	99
25) 2-Butanone	4.635	43	2072	3.71	ug/l	91
27) cis-1,2-Dichloroethene	4.552	96	1399	1.86	ug/l	99
29) Tetrahydrofuran	5.111	42	1195	3.30	ug/l #	79
31) Cyclohexane	5.629	56	1576	1.47	ug/l #	33
36) 1,1-Dichloropropene	5.623	75	5457	5.25	ug/l #	48
37) Ethyl Acetate	4.800	43	328	0.27	ug/l #	64
38) Carbon Tetrachloride	5.629	117	6400	5.73	ug/l #	16
40) Benzene	6.111	78	1839	0.62	ug/l	100
41) Methacrylonitrile	5.094	41	944	1.35	ug/l #	39
51) 4-Methyl-2-Pentanone	8.618	43	307	0.26	ug/l #	74
60) Dibromochloromethane	9.318	129	439	0.51	ug/l #	11
64) Tetrachloroethene	9.312	164	468	0.67	ug/l #	77
68) m/p-Xylenes	10.341	106	650	0.48	ug/l	91
76) 1,2,3-Trichloropropane	11.118	75	29112	28.35	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.118	75	29112	86.34	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.795	105	694	0.26	ug/l	88
85) sec-Butylbenzene	11.795	105	694	0.23	ug/l #	57

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

Quant Time: Mar 26 06:37:23 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 24 12:25:26 2021
Response via : Initial Calibration

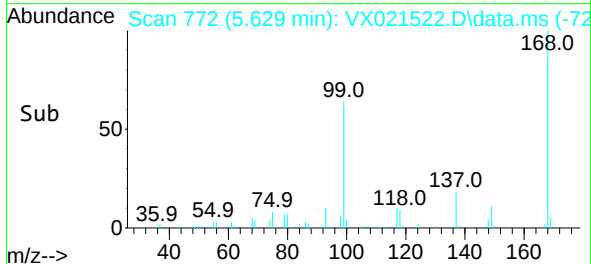
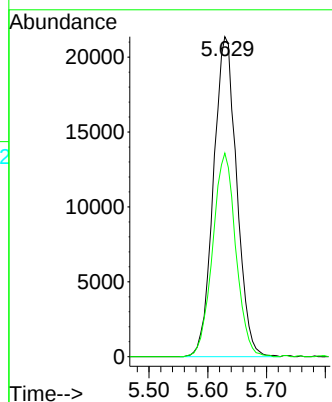
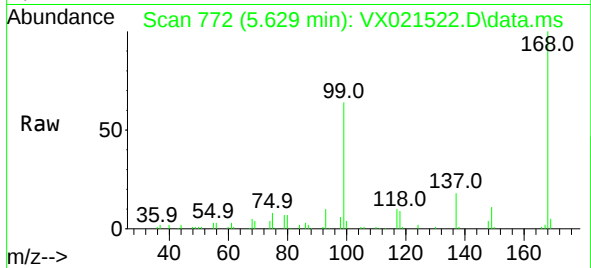




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.000 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

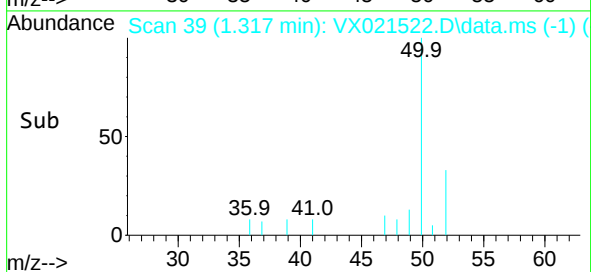
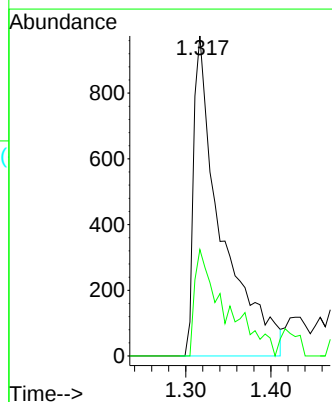
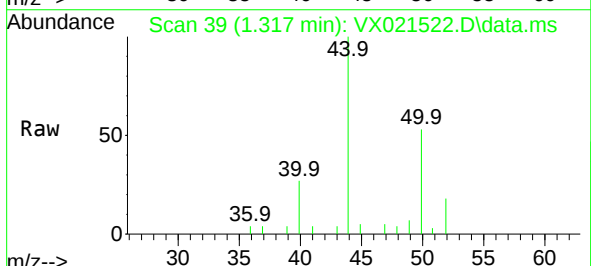
Instrument :
MSVOA_X
ClientSampleId :

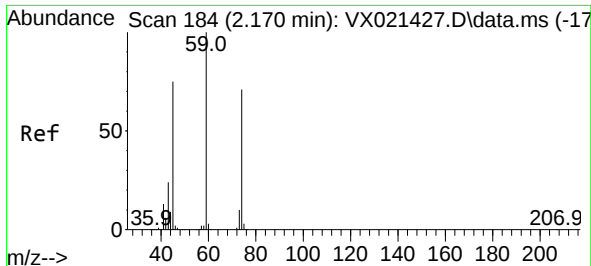
Tgt Ion:168 Resp: 58574
Ion Ratio Lower Upper
168 100
99 63.6 45.8 68.6



#3
Chloromethane
Concen: 3.00 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

Tgt Ion: 50 Resp: 2191
Ion Ratio Lower Upper
50 100
52 33.3 26.4 39.6

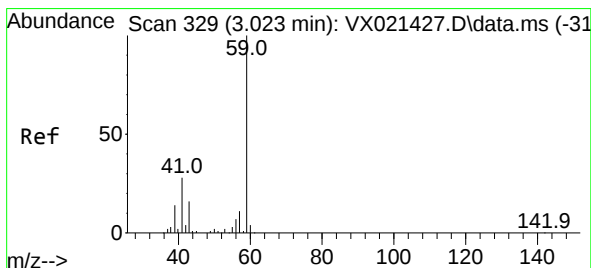
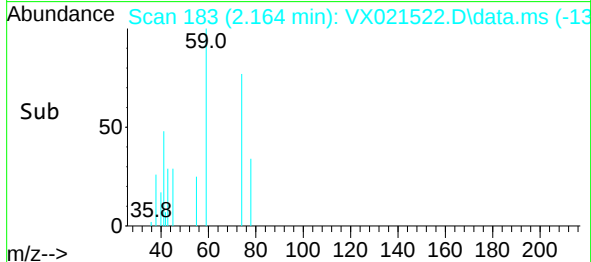
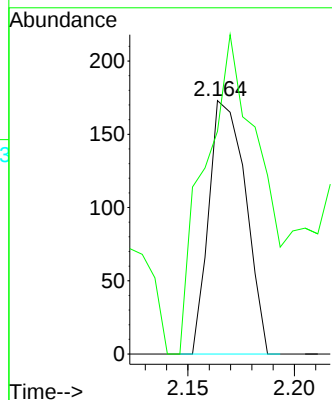
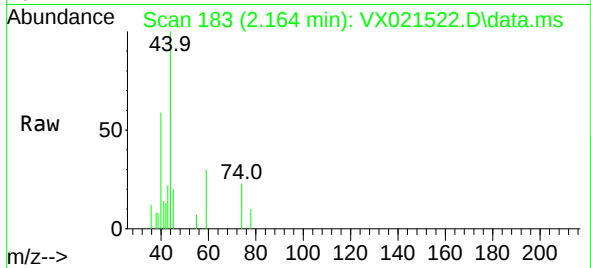




#8
Diethyl Ether
Concen: 0.56 ug/l
RT: 2.164 min Scan# 183
Delta R.T. -0.006 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

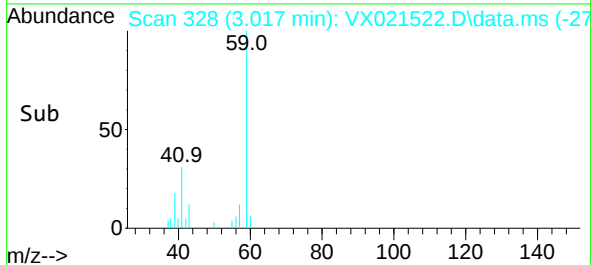
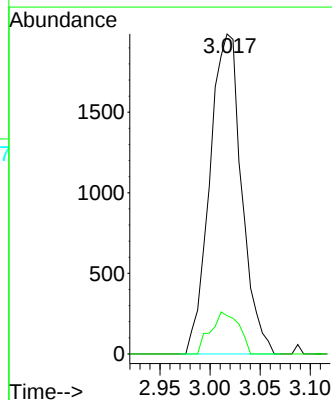
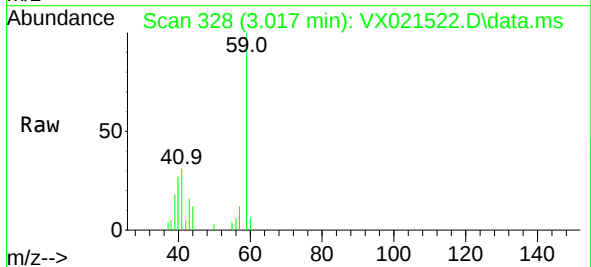
Instrument :
MSVOA_X
ClientSampled :

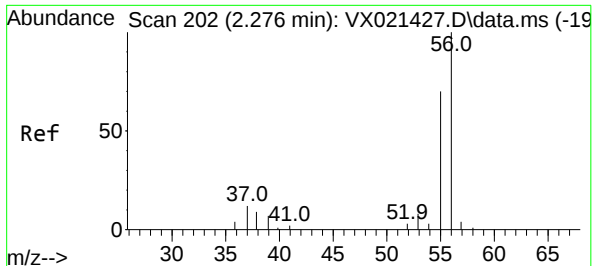
Tgt Ion: 74 Resp: 208
Ion Ratio Lower Upper
74 100
45 204.8 44.5 133.5#



#11
Tert butyl alcohol
Concen: 27.26 ug/l
RT: 3.017 min Scan# 328
Delta R.T. -0.006 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

Tgt Ion: 59 Resp: 4392
Ion Ratio Lower Upper
59 100
57 11.5 7.8 11.8

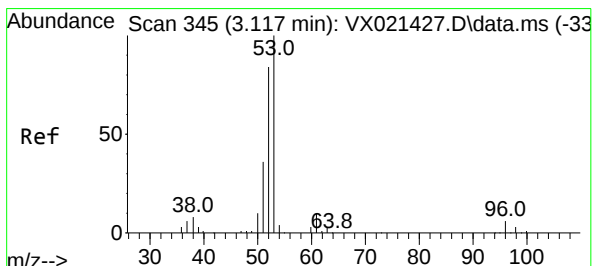
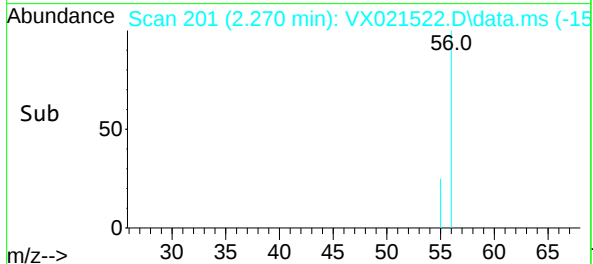
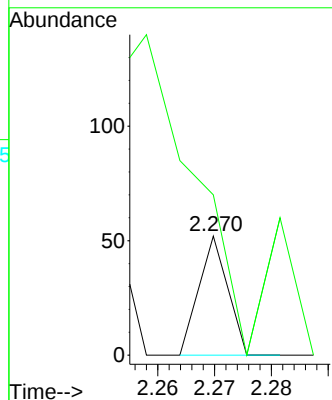
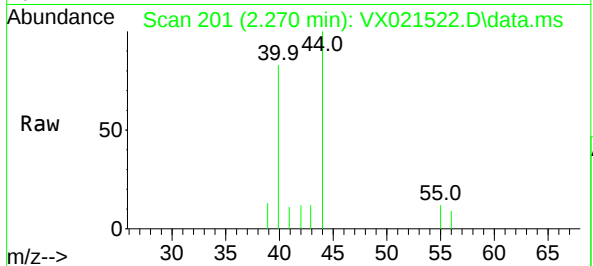




#13
Acrolein
Concen: 4.52 ug/l
RT: 2.270 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

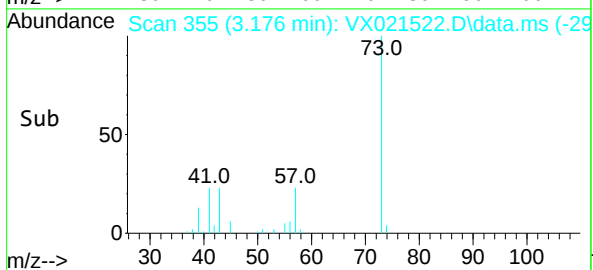
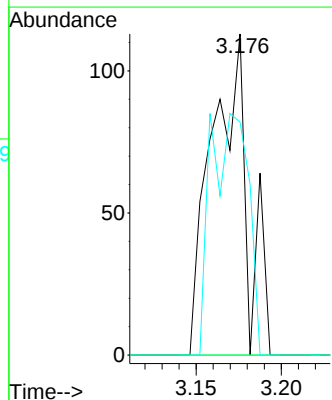
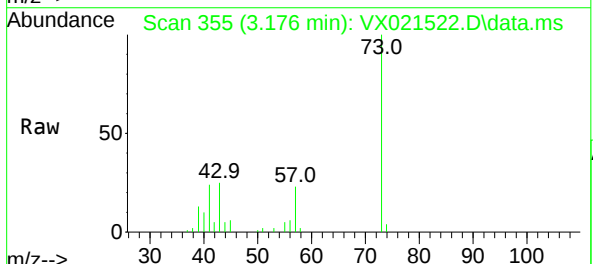
Instrument :
MSVOA_X
ClientSampled :

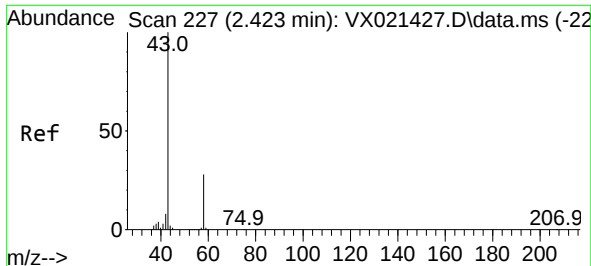
Tgt Ion: 56 Resp: 18
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#15
Acrylonitrile
Concen: 0.43 ug/l
RT: 3.176 min Scan# 355
Delta R.T. 0.059 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

Tgt Ion: 53 Resp: 166
Ion Ratio Lower Upper
53 100
52 0.0 65.3 97.9#
51 78.3 28.2 42.2#

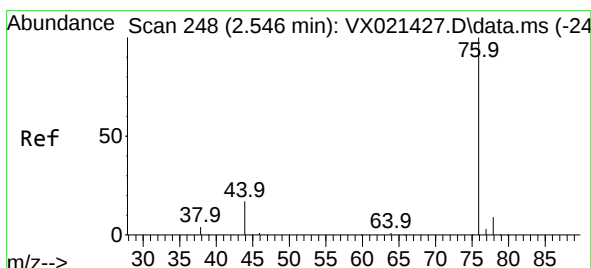
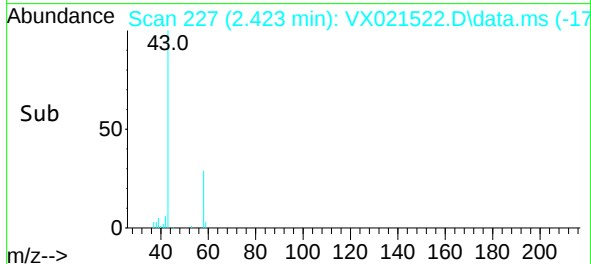
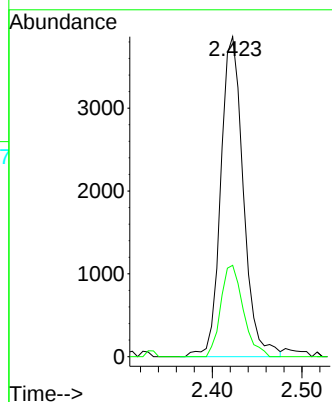
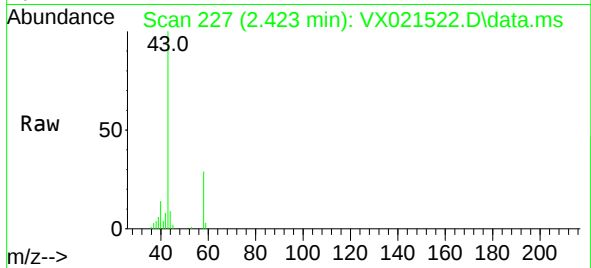




#16
Acetone
Concen: 18.34 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

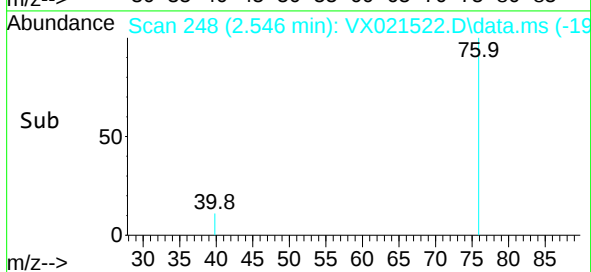
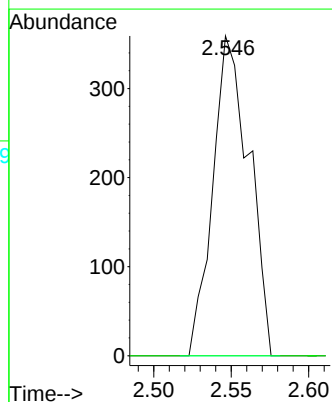
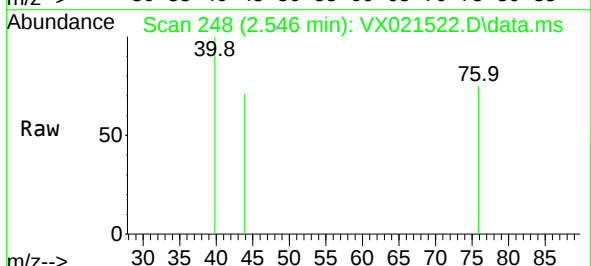
Instrument :
MSVOA_X
ClientSampled :

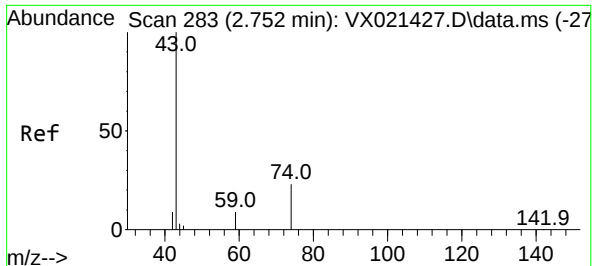
Tgt Ion: 43 Resp: 6760
Ion Ratio Lower Upper
43 100
58 28.5 27.8 41.8



#17
Carbon Disulfide
Concen: 0.35 ug/l
RT: 2.546 min Scan# 248
Delta R.T. 0.000 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

Tgt Ion: 76 Resp: 584
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

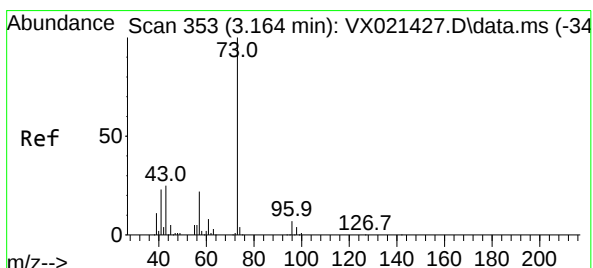
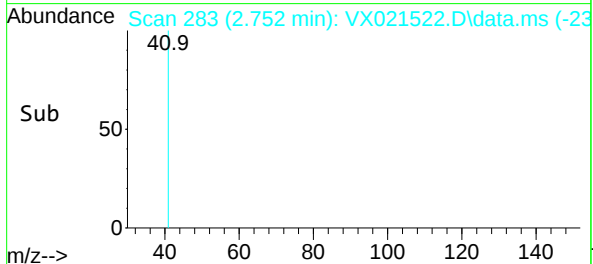
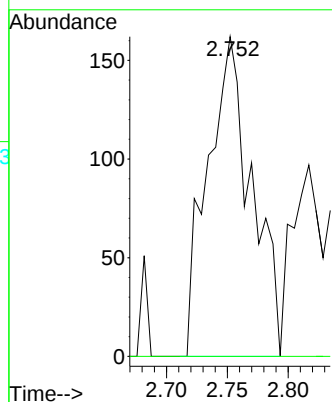
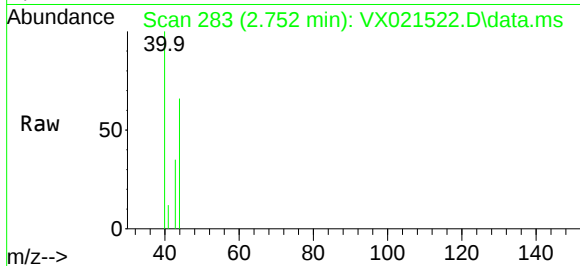




#18
Methyl Acetate
Concen: 0.38 ug/l
RT: 2.752 min Scan# 283
Delta R.T. 0.000 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

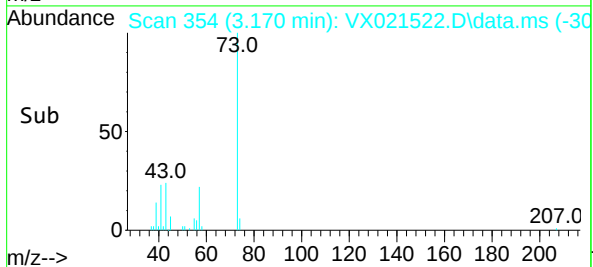
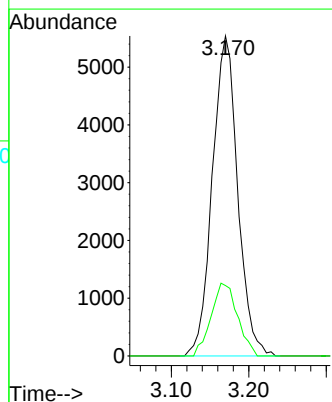
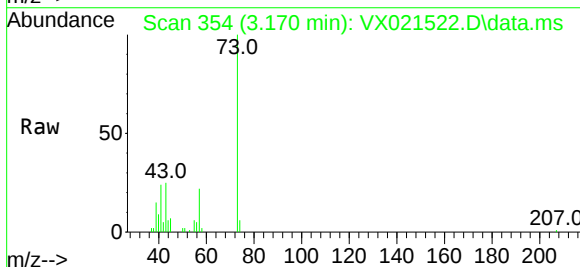
Instrument :
MSVOA_X
ClientSampleId :

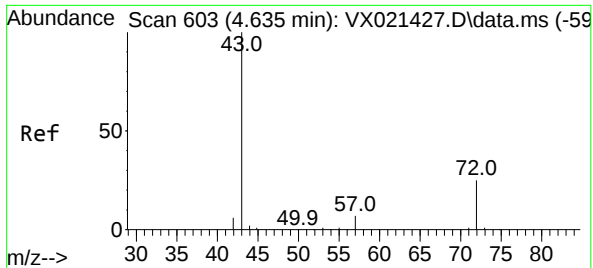
Tgt Ion: 43 Resp: 408
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#19
Methyl tert-butyl Ether
Concen: 5.72 ug/l
RT: 3.170 min Scan# 354
Delta R.T. 0.006 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

Tgt Ion: 73 Resp: 12612
Ion Ratio Lower Upper
73 100
57 22.0 17.1 25.7

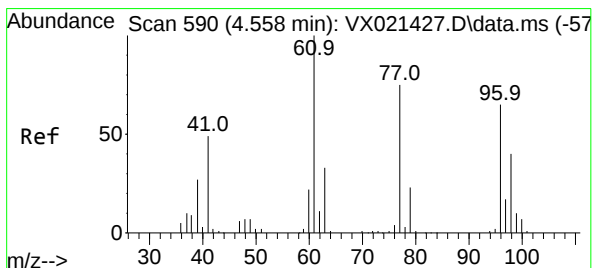
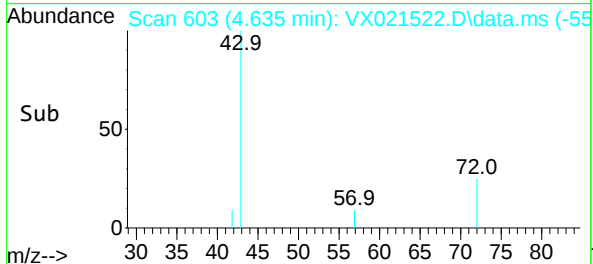
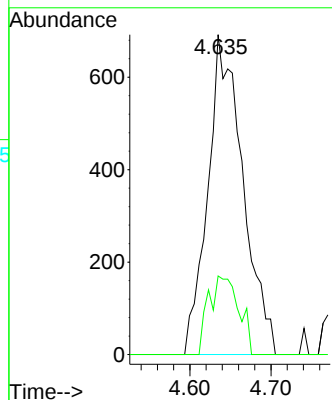
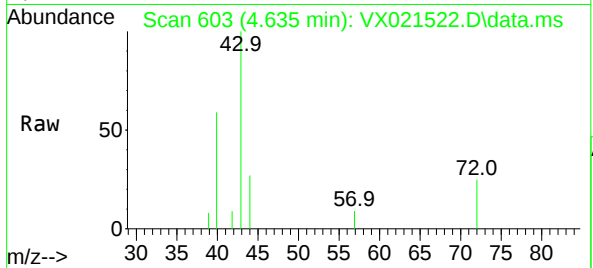




#25
2-Butanone
Concen: 3.71 ug/l
RT: 4.635 min Scan# 603
Delta R.T. -0.000 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

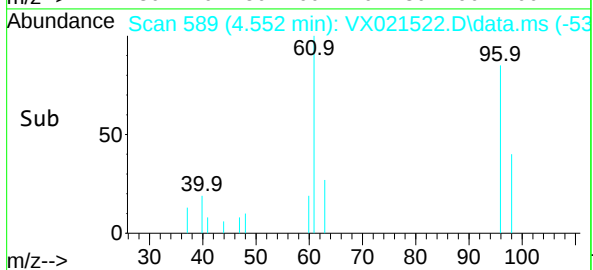
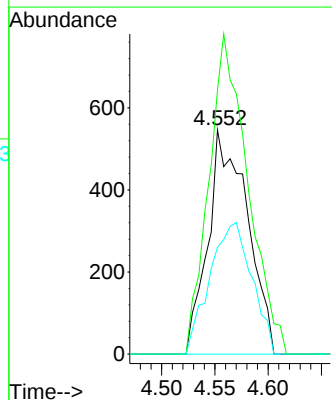
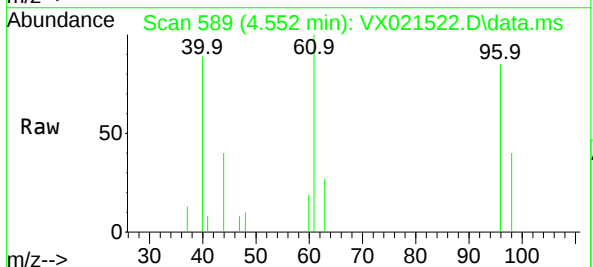
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MSVOA_X
ClientSampled :

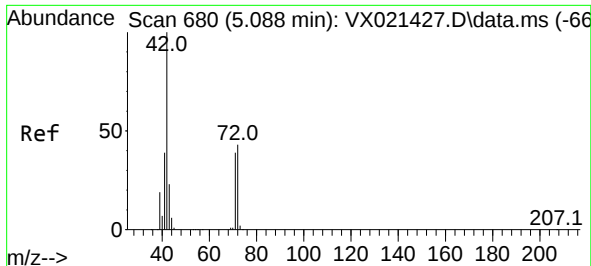
Tgt Ion: 43 Resp: 2072
Ion Ratio Lower Upper
43 100
72 24.6 23.7 35.5



#27
cis-1,2-Dichloroethene
Concen: 1.86 ug/l
RT: 4.552 min Scan# 589
Delta R.T. -0.006 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

Tgt Ion: 96 Resp: 1399
Ion Ratio Lower Upper
96 100
61 141.7 0.0 285.6
98 63.0 0.0 129.6





#29

Tetrahydrofuran

Concen: 3.30 ug/l

RT: 5.111 min Scan# 684

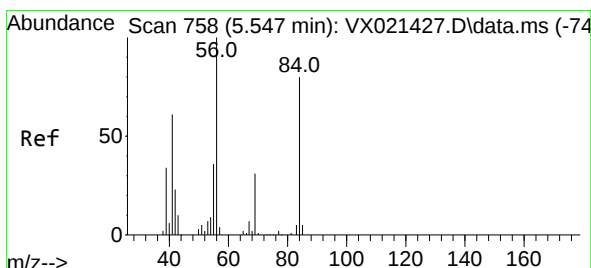
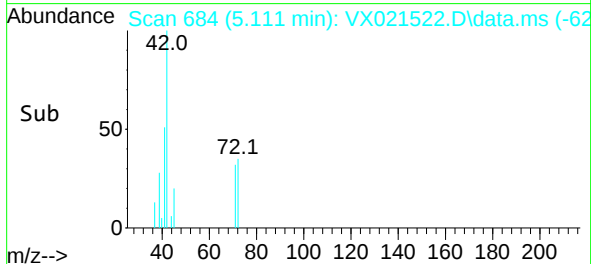
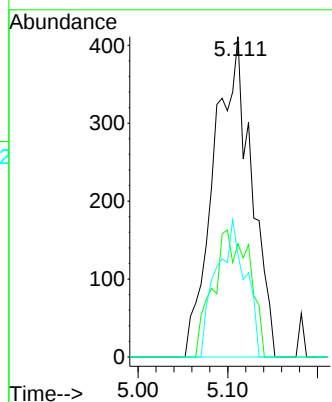
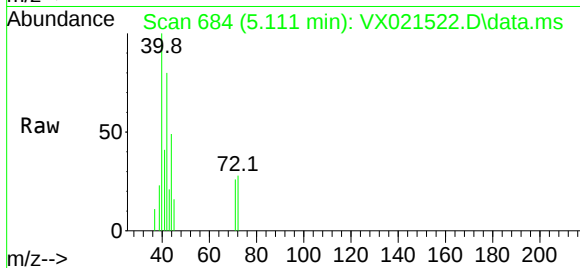
Delta R.T. 0.023 min

Lab File: VX021522.D

Acq: 26 Mar 2021 05:59

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:	42	Resp:	1195
Ion	Ratio	Lower	Upper
42	100		
72	38.4	41.7	62.5#
71	33.0	38.4	57.6#



#31

Cyclohexane

Concen: 1.47 ug/l

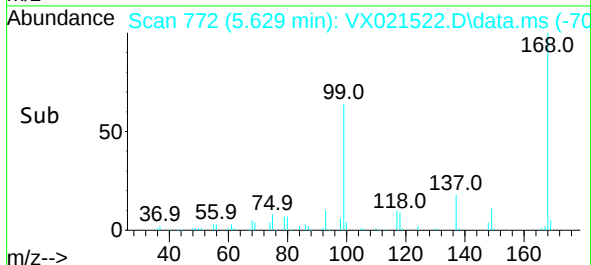
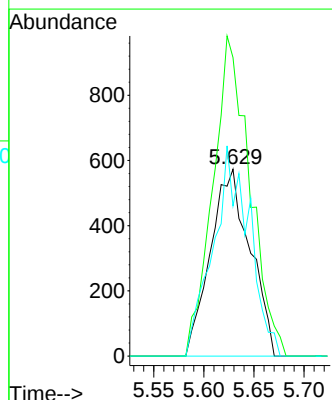
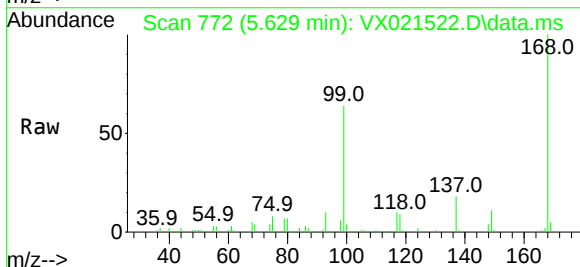
RT: 5.629 min Scan# 772

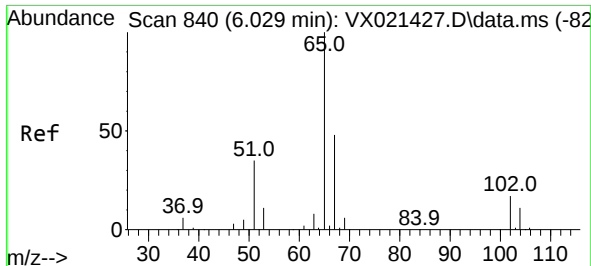
Delta R.T. 0.082 min

Lab File: VX021522.D

Acq: 26 Mar 2021 05:59

Tgt Ion:	56	Resp:	1576
Ion	Ratio	Lower	Upper
56	100		
69	159.9	25.3	37.9#
84	80.5	71.4	107.0

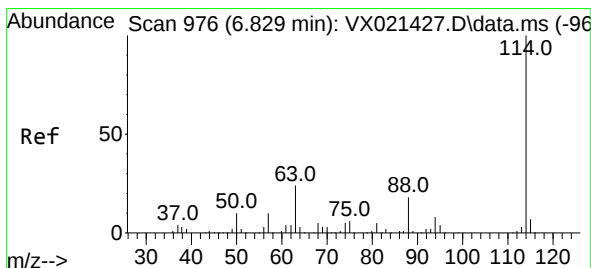
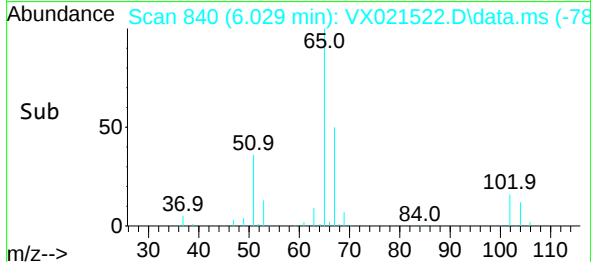
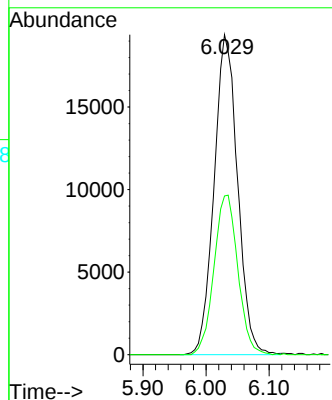
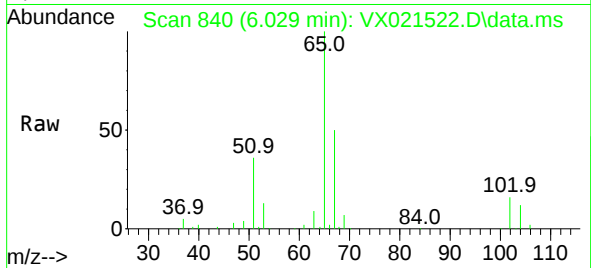




#33
1,2-Dichloroethane-d4
Concen: 51.37 ug/l
RT: 6.029 min Scan# 840
Delta R.T. 0.000 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

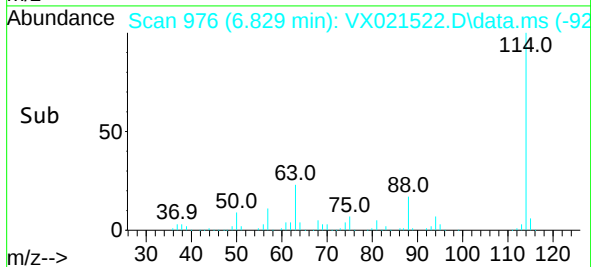
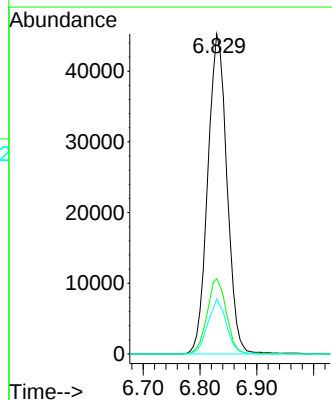
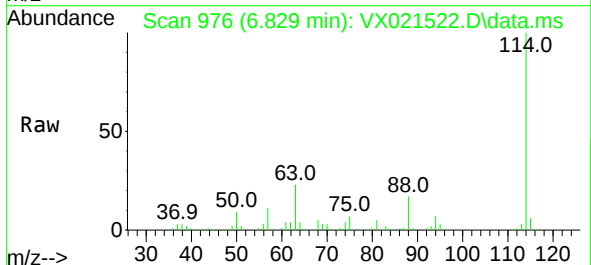
Instrument :
MSVOA_X
ClientSampled :

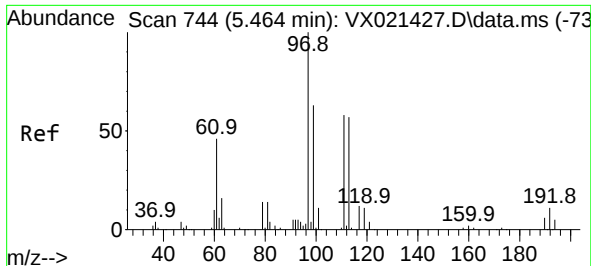
Tgt Ion: 65 Resp: 50060
Ion Ratio Lower Upper
65 100
67 50.6 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

Tgt Ion: 114 Resp: 106084
Ion Ratio Lower Upper
114 100
63 23.5 0.0 40.8
88 17.2 0.0 32.8

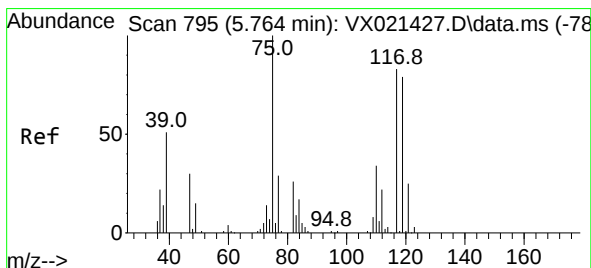
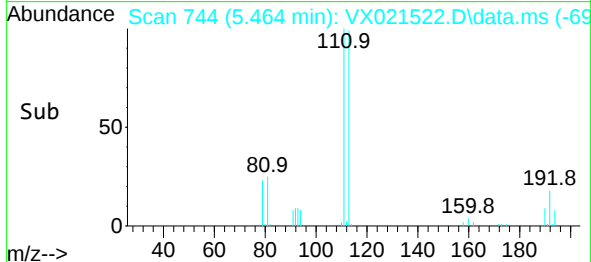
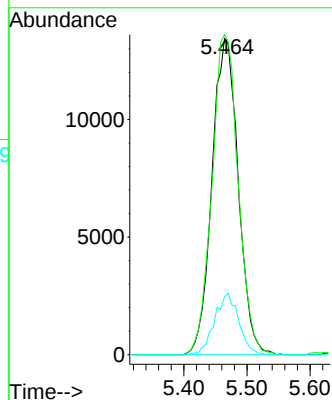
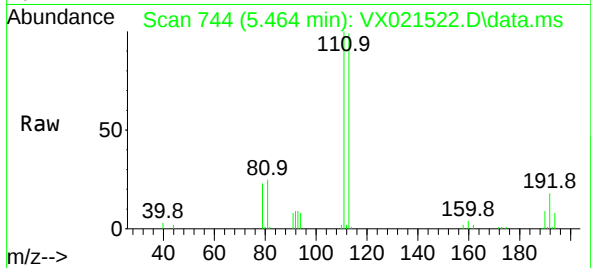




#35
Dibromofluoromethane
Concen: 51.46 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

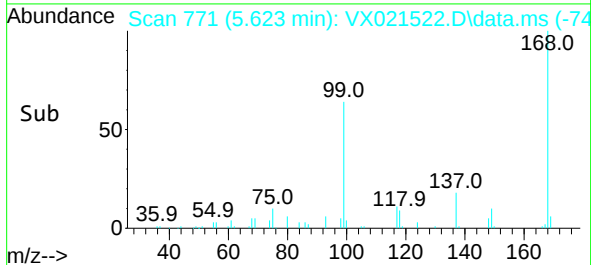
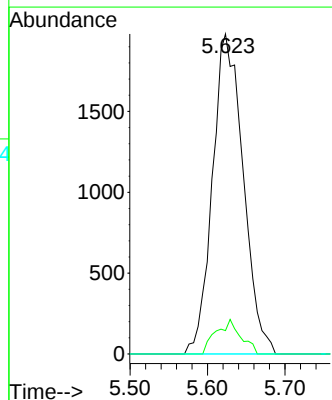
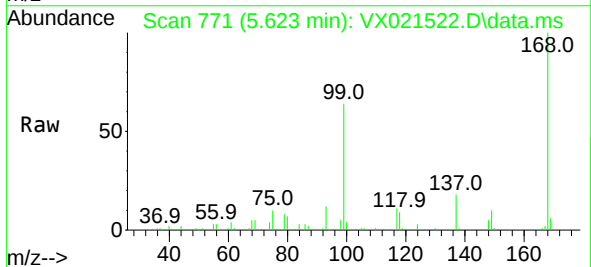
Instrument :
MSVOA_X
ClientSampleId :

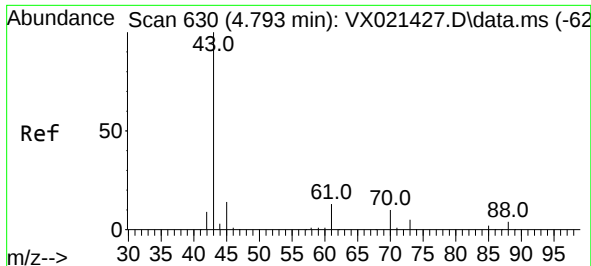
Tgt Ion:113 Resp: 38779
Ion Ratio Lower Upper
113 100
111 101.2 81.9 122.9
192 17.9 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.25 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.141 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

Tgt Ion: 75 Resp: 5457
Ion Ratio Lower Upper
75 100
110 8.7 18.1 54.4#
77 0.0 25.3 37.9#

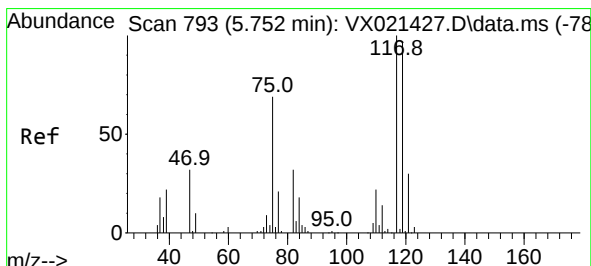
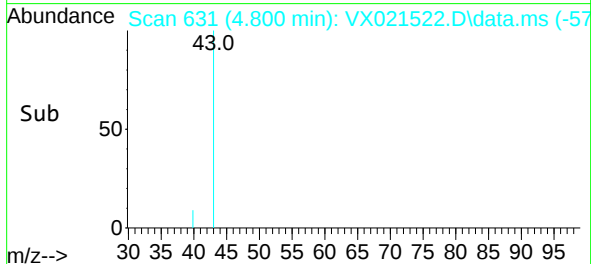
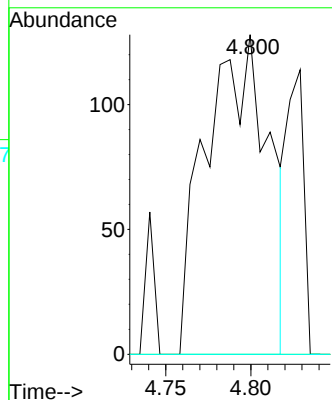
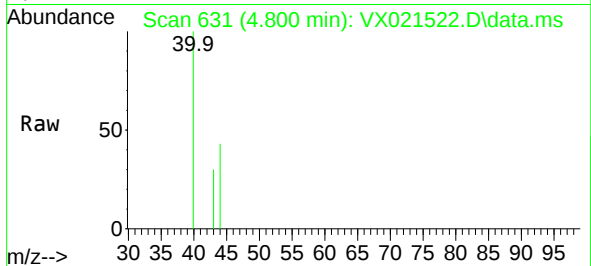




#37
Ethyl Acetate
Concen: 0.27 ug/l
RT: 4.800 min Scan# 631
Delta R.T. 0.007 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

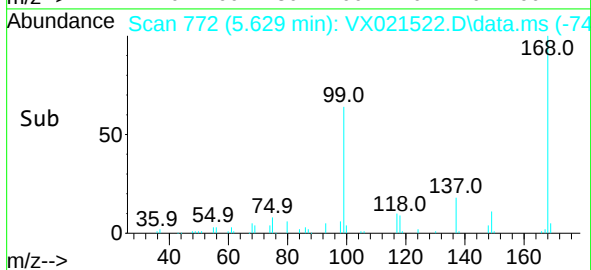
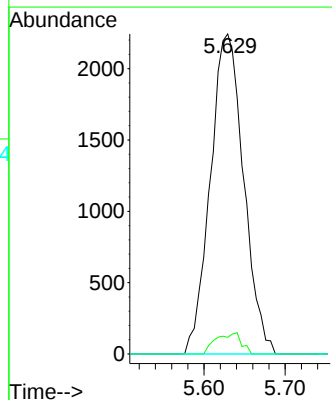
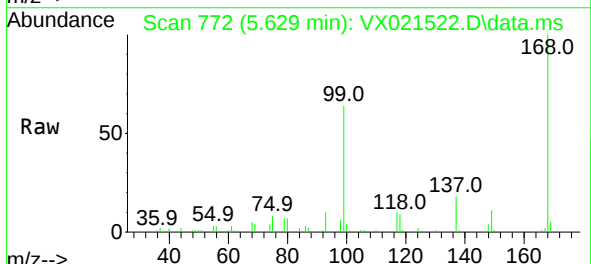
Instrument :
MSVOA_X
ClientSampled :

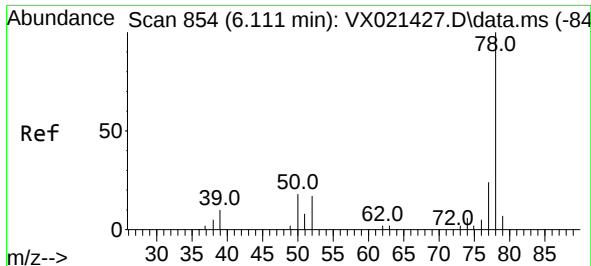
Tgt Ion: 43 Resp: 328
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#



#38
Carbon Tetrachloride
Concen: 5.73 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.123 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

Tgt Ion: 117 Resp: 6400
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.2#
121 0.0 24.8 37.2#

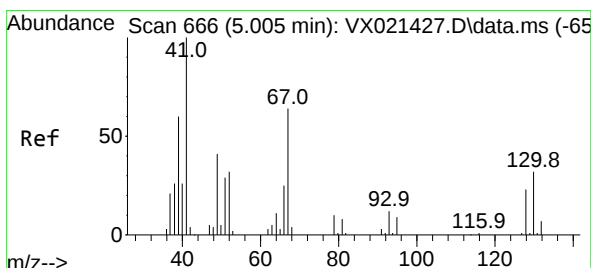
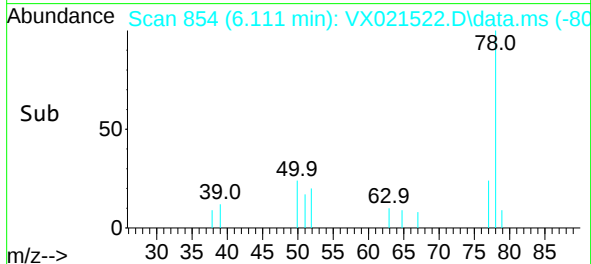
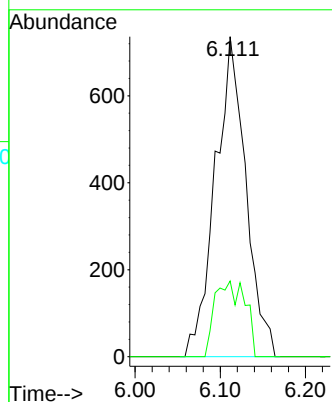
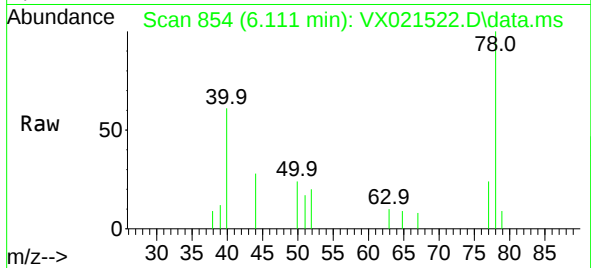




#40
Benzene
Concen: 0.62 ug/l
RT: 6.111 min Scan# 854
Delta R.T. 0.000 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

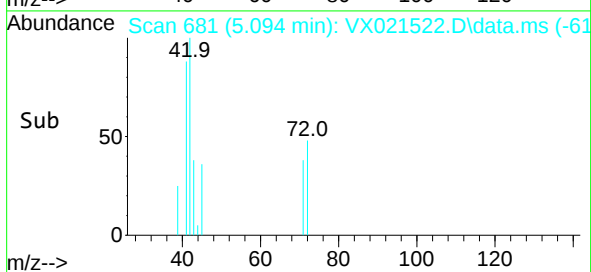
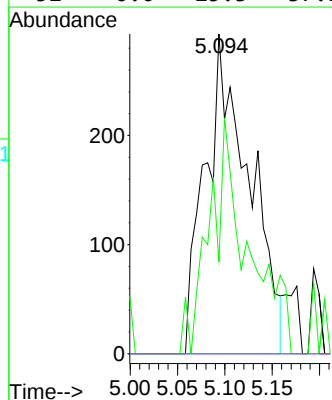
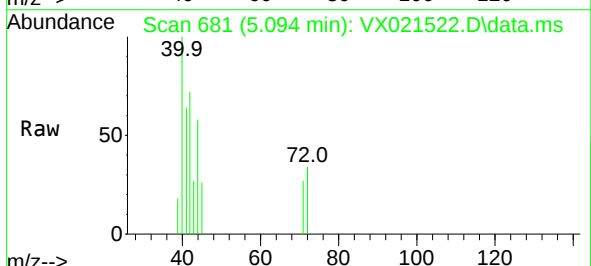
Instrument :
MSVOA_X
ClientSampled :

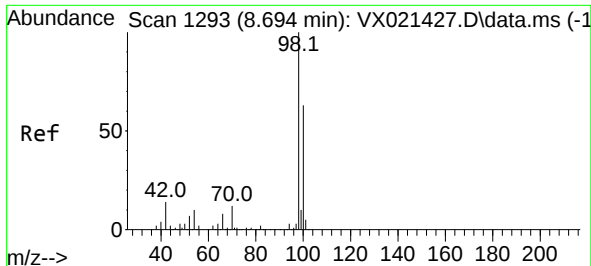
Tgt Ion: 78 Resp: 1839
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3



#41
Methacrylonitrile
Concen: 1.35 ug/l
RT: 5.094 min Scan# 681
Delta R.T. 0.089 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

Tgt Ion: 41 Resp: 944
Ion Ratio Lower Upper
41 100
39 64.8 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

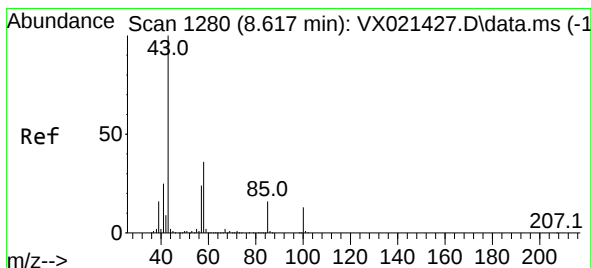
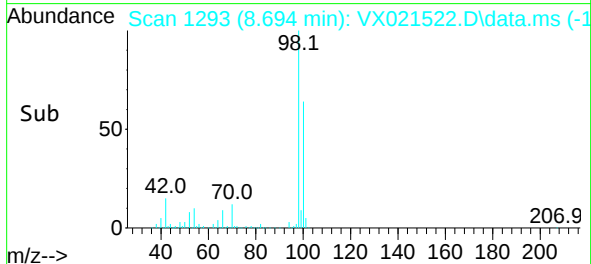
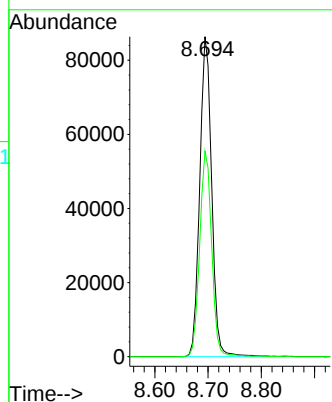
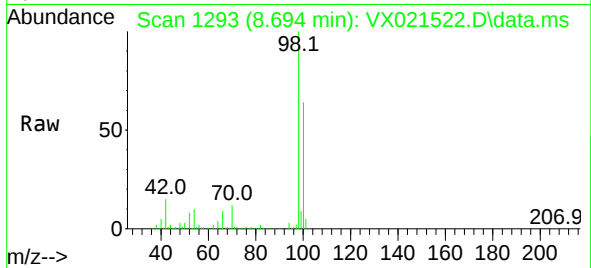




#50
Toluene-d8
Concen: 50.09 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

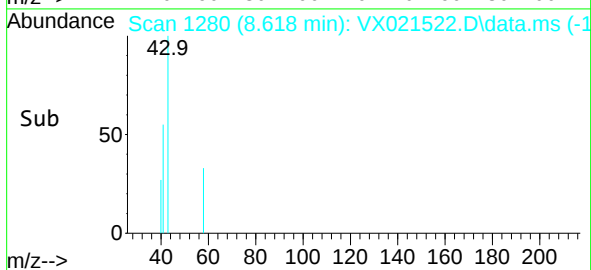
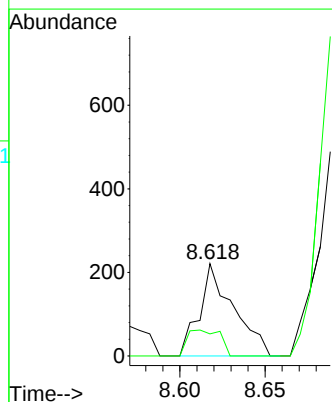
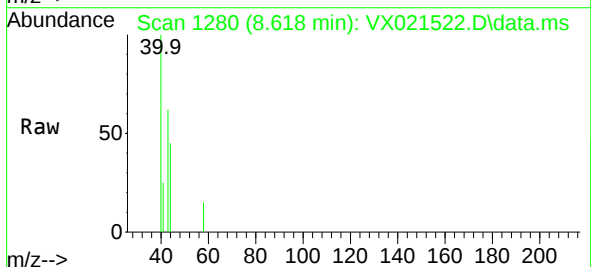
Instrument :
MSVOA_X
ClientSampled :

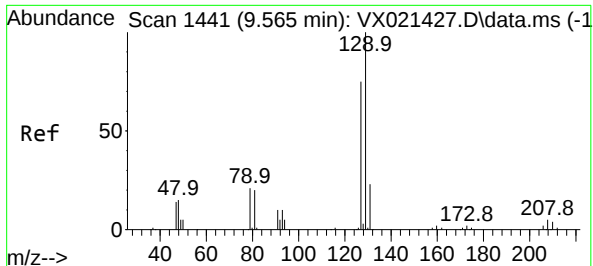
Tgt Ion: 98 Resp: 134516
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.26 ug/l
RT: 8.618 min Scan# 1280
Delta R.T. 0.001 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

Tgt Ion: 43 Resp: 307
Ion Ratio Lower Upper
43 100
58 27.0 35.4 53.0#

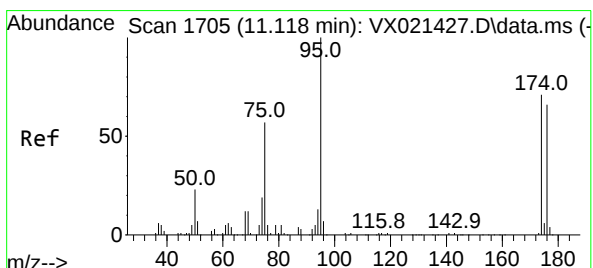
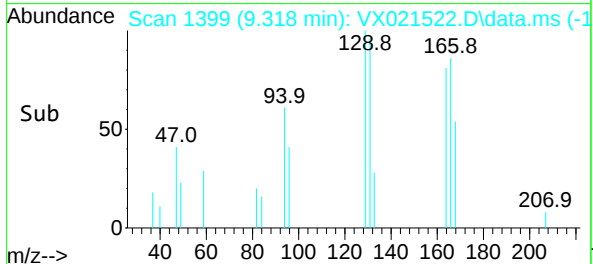
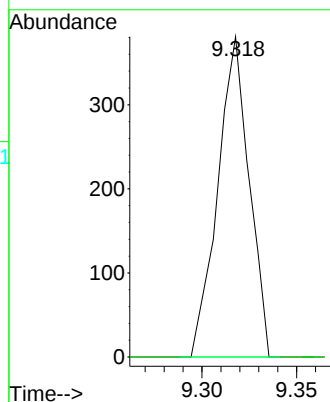
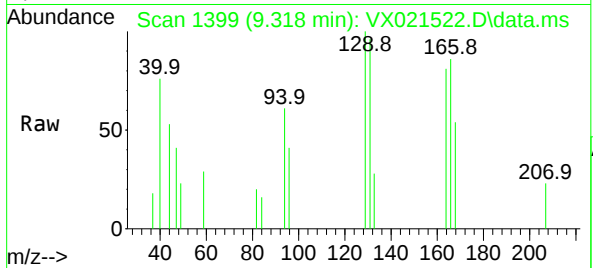




#60
Dibromochloromethane
Concen: 0.51 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

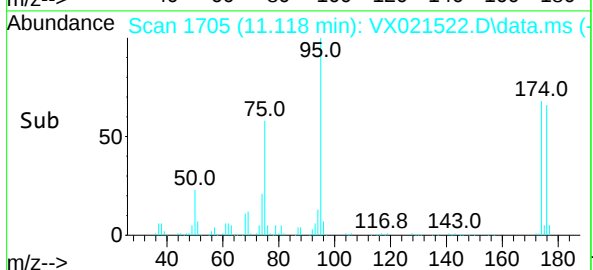
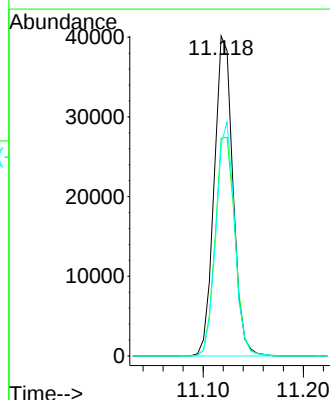
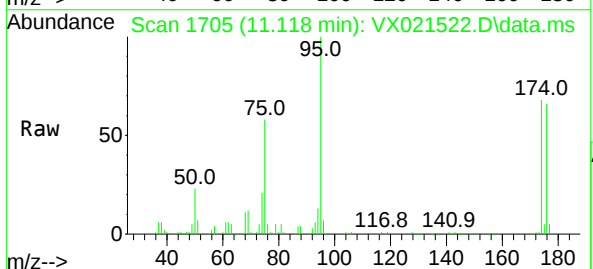
Instrument :
MSVOA_X
ClientSampleId :

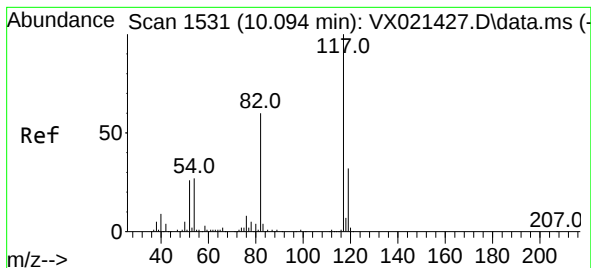
Tgt Ion:129 Resp: 439
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 49.81 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

Tgt Ion: 95 Resp: 51998
Ion Ratio Lower Upper
95 100
174 72.2 0.0 154.6
176 72.1 0.0 155.8

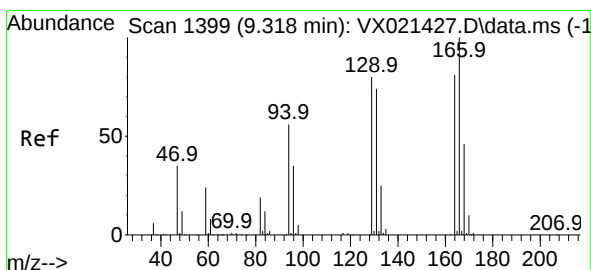
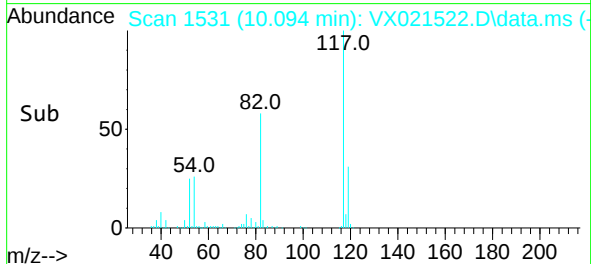
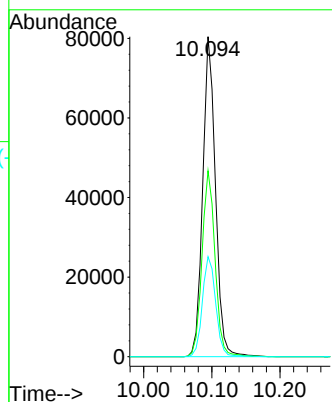
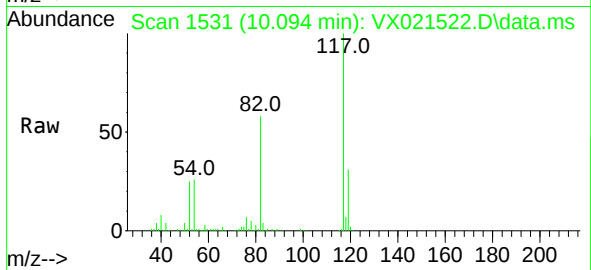




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

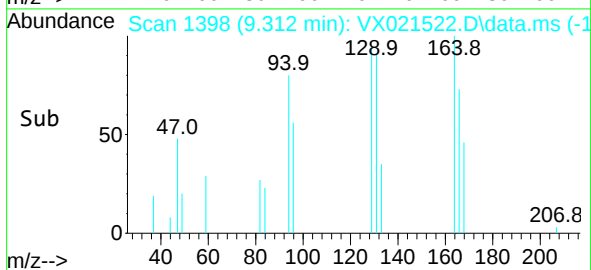
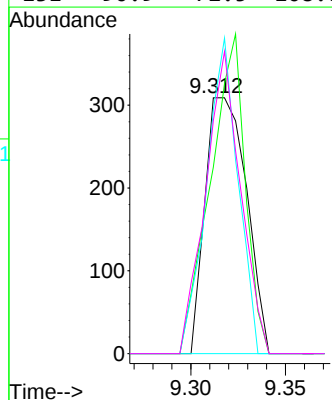
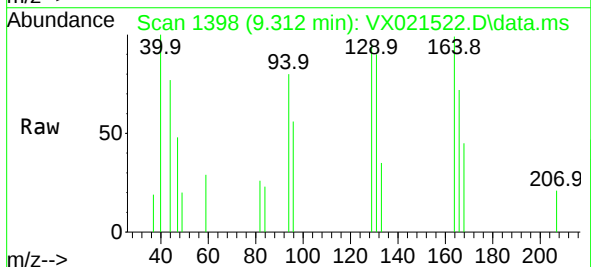
Instrument :
MSVOA_X
ClientSampled :

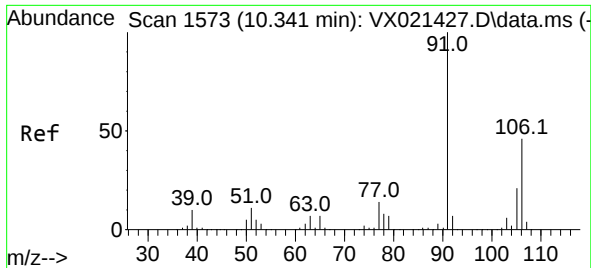
Tgt Ion:117 Resp: 104629
Ion Ratio Lower Upper
117 100
82 58.1 47.4 71.2
119 31.3 26.6 39.8



#64
Tetrachloroethene
Concen: 0.67 ug/l
RT: 9.312 min Scan# 1398
Delta R.T. -0.006 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

Tgt Ion:164 Resp: 468
Ion Ratio Lower Upper
164 100
166 72.8 103.4 155.2#
129 95.1 70.8 106.2
131 90.9 72.5 108.7

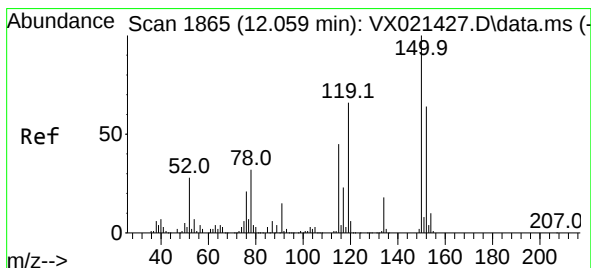
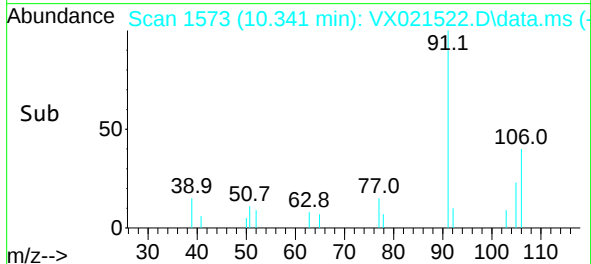
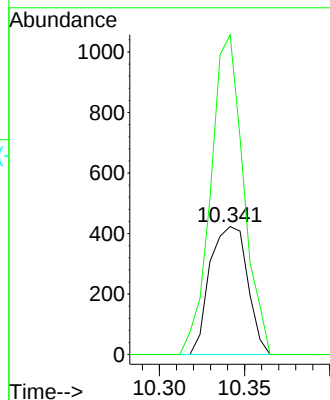
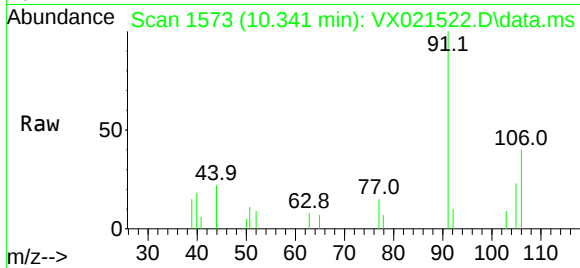




#68
m/p-Xylenes
Concen: 0.48 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. 0.000 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

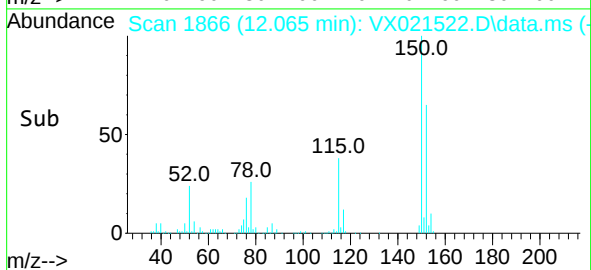
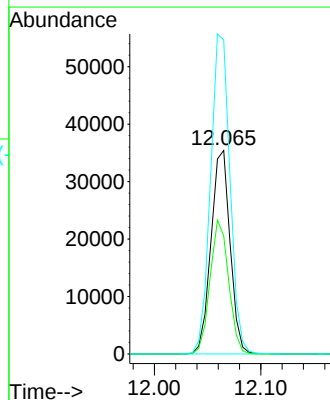
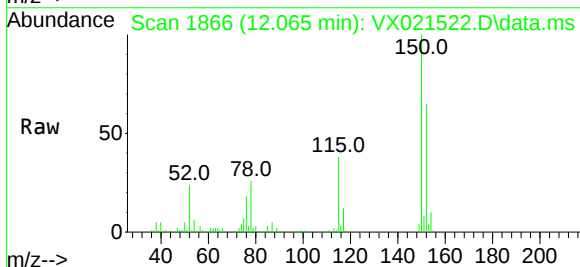
Instrument :
MSVOA_X
ClientSampleId :

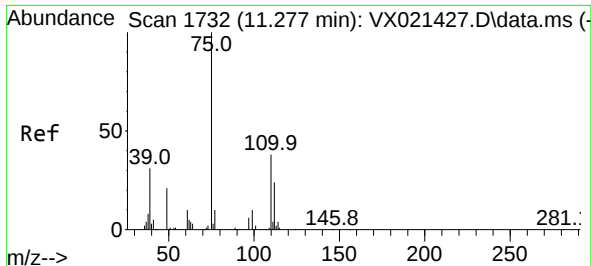
Tgt Ion:106 Resp: 650
Ion Ratio Lower Upper
106 100
91 217.4 162.8 244.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.065 min Scan# 1866
Delta R.T. 0.006 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

Tgt Ion:152 Resp: 44117
Ion Ratio Lower Upper
152 100
115 63.7 41.1 123.3
150 159.7 0.0 349.0

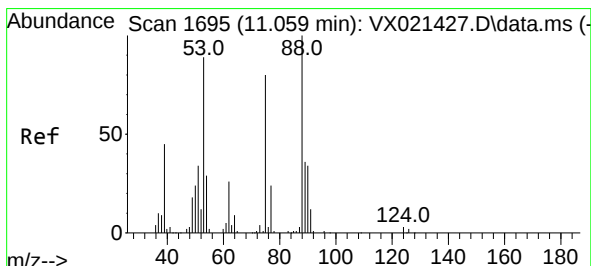
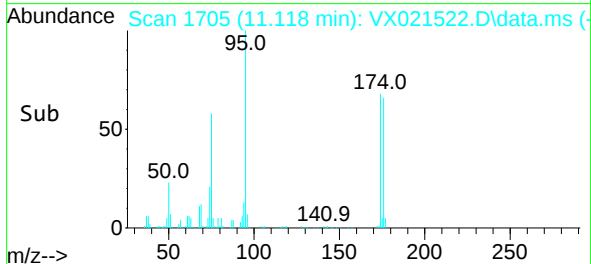
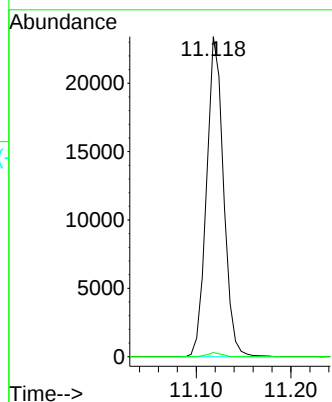
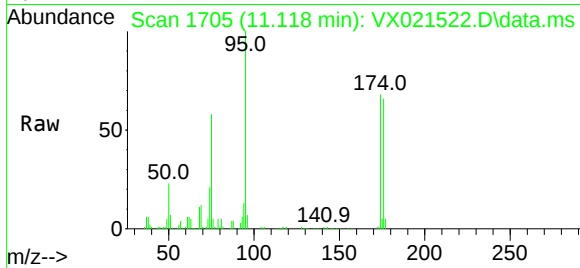




#76
1,2,3-Trichloropropane
Concen: 28.35 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

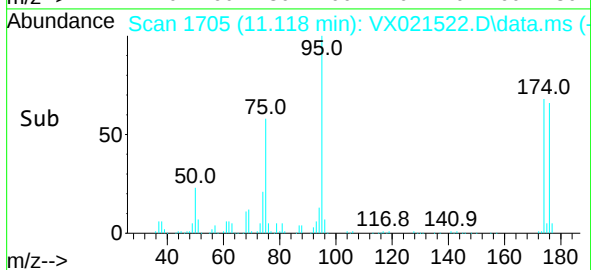
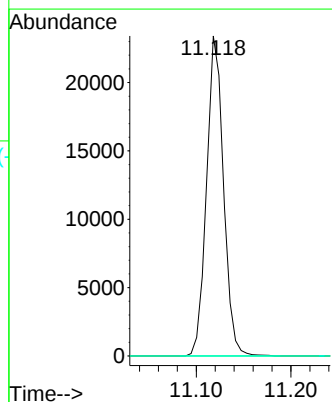
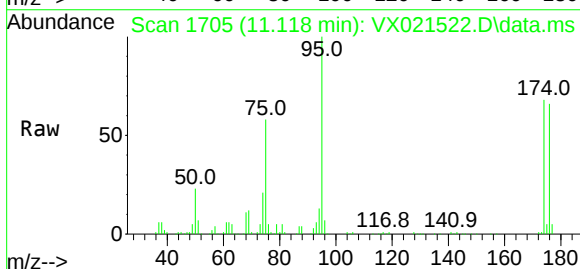
Instrument :
MSVOA_X
ClientSampled :

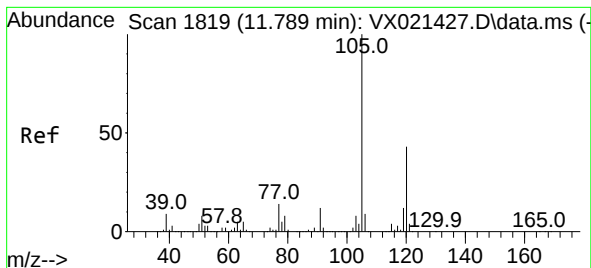
Tgt Ion: 75 Resp: 29112
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.34 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

Tgt Ion: 75 Resp: 29112
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

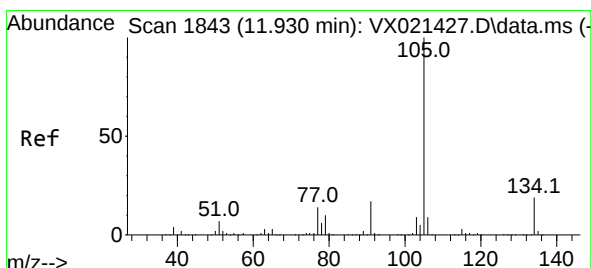
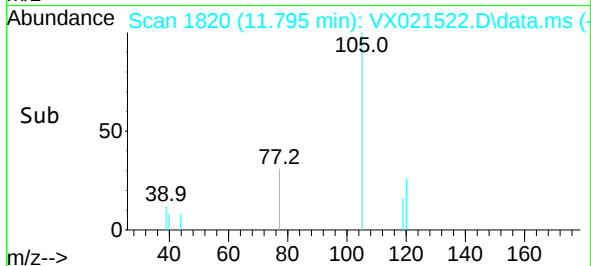
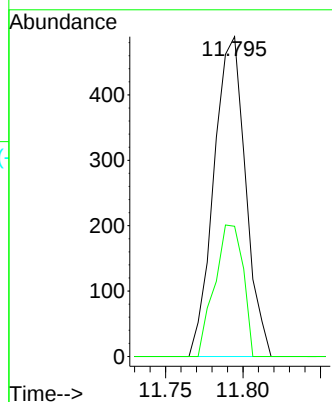
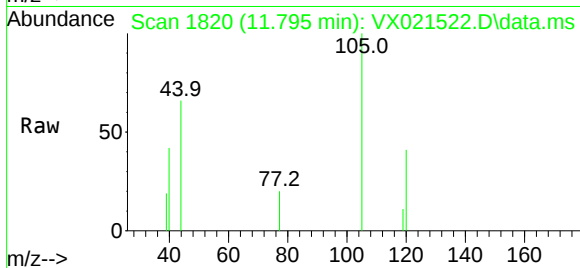




#84
1,2,4-Trimethylbenzene
Concen: 0.26 ug/l
RT: 11.795 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:105 Resp: 694
Ion Ratio Lower Upper
105 100
120 36.7 22.4 67.3



#85
sec-Butylbenzene
Concen: 0.23 ug/l
RT: 11.795 min Scan# 1820
Delta R.T. -0.135 min
Lab File: VX021522.D
Acq: 26 Mar 2021 05:59

Tgt Ion:105 Resp: 694
Ion Ratio Lower Upper
105 100
134 0.0 10.0 29.8#

