

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX063021\
 Data File : VX023058.D
 Acq On : 01 Jul 2021 01:55
 Operator : JC/MD
 Sample : PB137429ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 01 03:30:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 19:12:26 2021
 Response via : Initial Calibration

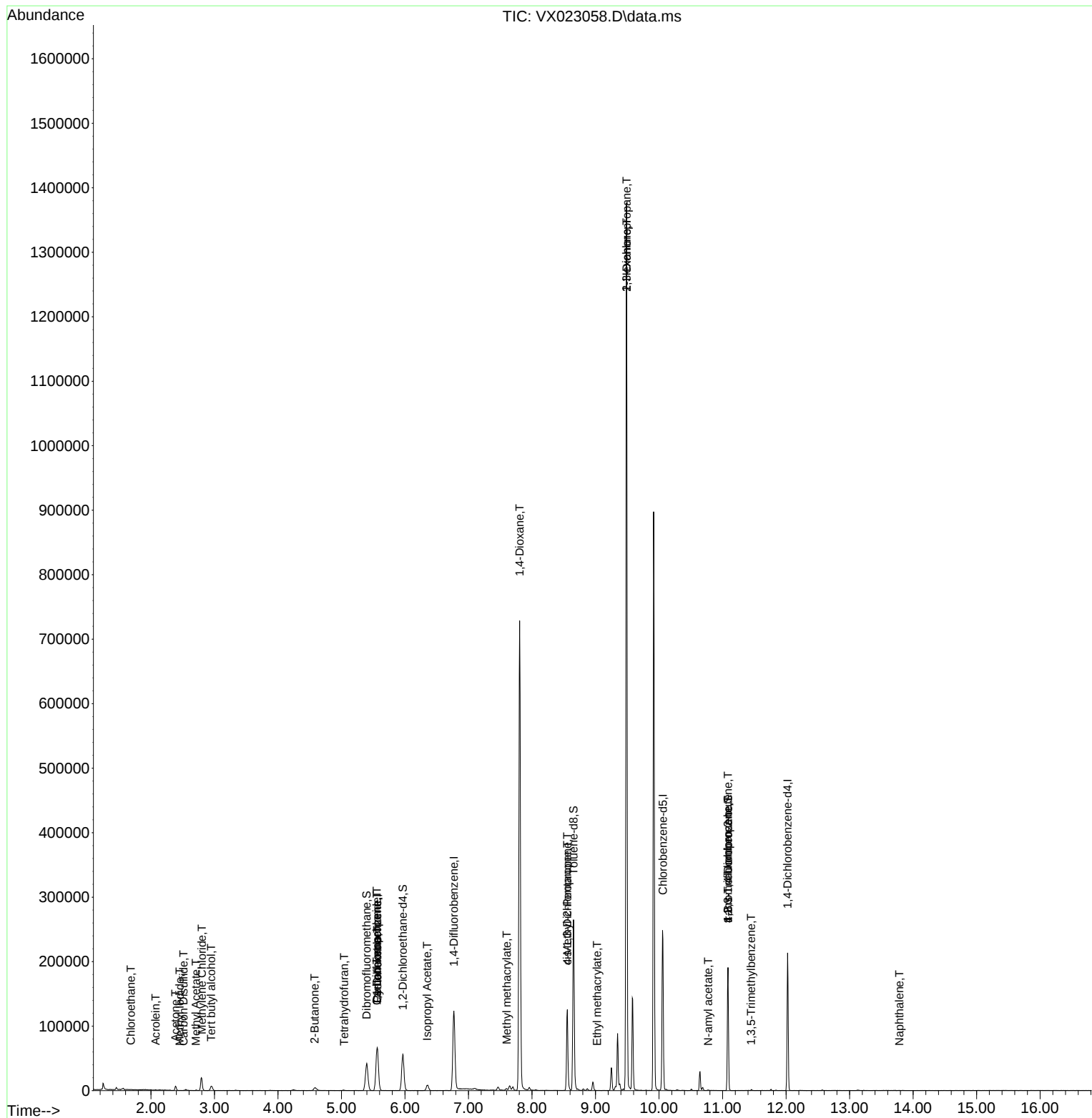
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	53436	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	109493	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	101884	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	36383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	51251	52.850	ug/l	0.00
Spiked Amount 50.000	Range 78	- 117	Recovery	=	105.700%	
35) Dibromofluoromethane	5.397	113	35341	50.828	ug/l	0.00
Spiked Amount 50.000	Range 75	- 124	Recovery	=	101.660%	
50) Toluene-d8	8.653	98	141940	52.087	ug/l	0.00
Spiked Amount 50.000	Range 92	- 112	Recovery	=	104.180%	
62) 4-Bromofluorobenzene	11.085	95	49095	48.274	ug/l	0.00
Spiked Amount 50.000	Range 83	- 123	Recovery	=	96.540%	
Target Compounds						
						Qvalue
6) Chloroethane	1.685	64	204	0.432	ug/l	# 43
10) Methyl Iodide	2.453	142	129	4.021	ug/l	# 42
11) Tert butyl alcohol	2.947	59	4648	22.997	ug/l	# 73
13) Acrolein	2.075	56	27	0.215	ug/l	# 14
16) Acetone	2.386	43	6929	16.117	ug/l	90
17) Carbon Disulfide	2.514	76	89	3.559	ug/l	# 75
18) Methyl Acetate	2.709	43	815	0.770	ug/l	# 78
20) Methylene Chloride	2.800	84	8790	10.604	ug/l	92
25) 2-Butanone	4.574	43	3939	5.892	ug/l	# 86
29) Tetrahydrofuran	5.044	42	492	1.144	ug/l	# 45
31) Cyclohexane	5.562	56	1674	1.223	ug/l	# 24
36) 1,1-Dichloropropene	5.556	75	5728	4.925	ug/l	# 44
38) Carbon Tetrachloride	5.556	117	6889	7.062	ug/l	# 16
43) Isopropyl Acetate	6.348	43	11981	5.532	ug/l	# 91
48) Methyl methacrylate	7.604	41	3776	3.767	ug/l	# 10
49) 1,4-Dioxane	7.805	88	54	2.503	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.555	43	44335	32.890	ug/l	# 44
54) cis-1,3-Dichloropropene	8.555	75	18803	14.707	ug/l	# 68
56) Ethyl methacrylate	9.025	69	44	2.607	ug/l	# 29
57) 1,3-Dichloropropane	9.488	76	10957	7.411	ug/l	# 42
59) 2-Hexanone	9.488	43	159393	155.864	ug/l	# 43
74) N-amyl acetate	10.774	43	659	2.419	ug/l	# 38
76) 1,2,3-Trichloropropane	11.085	75	28880	30.052	ug/l	# 38
80) 1,3,5-Trimethylbenzene	11.451	105	741	0.293	ug/l	88
81) trans-1,4-Dichloro-2-b...	11.085	75	28880	77.111	ug/l	# 12
95) Naphthalene	13.786	128	219	1.994	ug/l	# 69

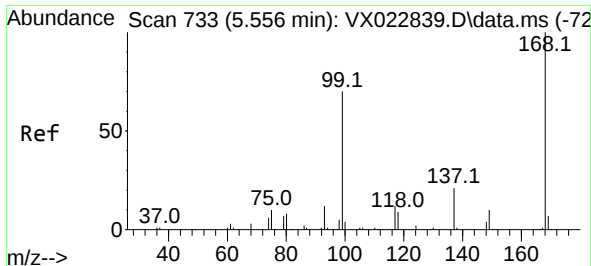
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jul 01 03:30:32 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 23 19:12:26 2021
Response via : Initial Calibration

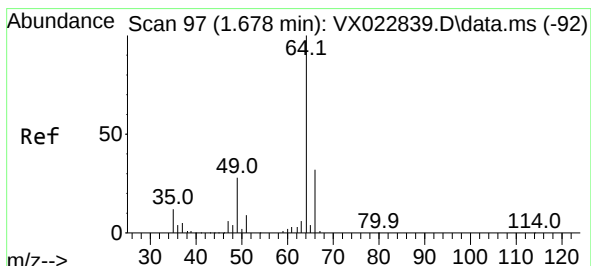
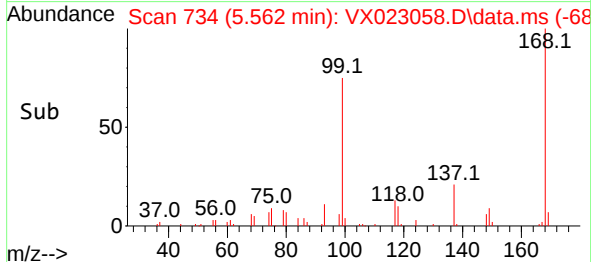
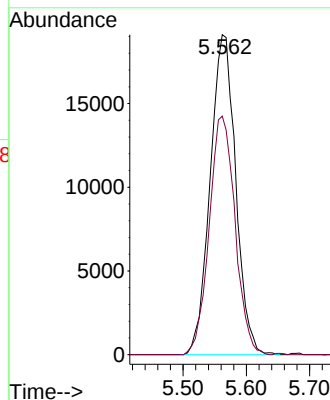
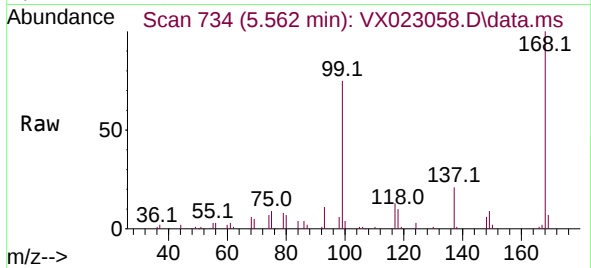




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55

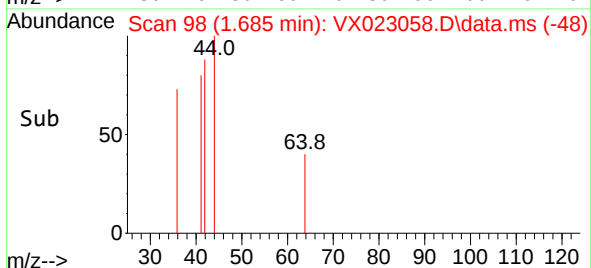
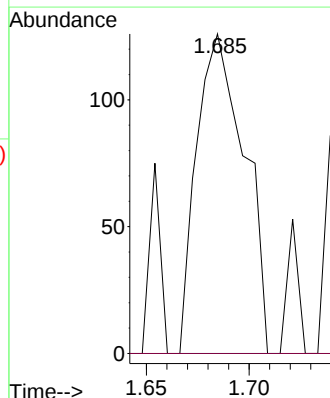
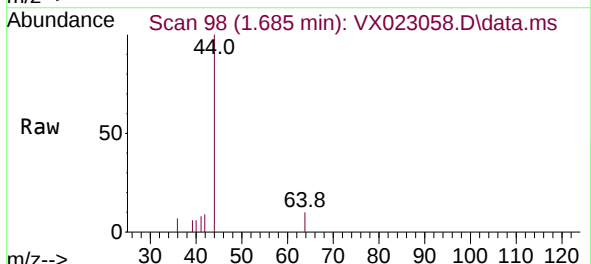
Instrument :
MSVOA_X
ClientSampleId :

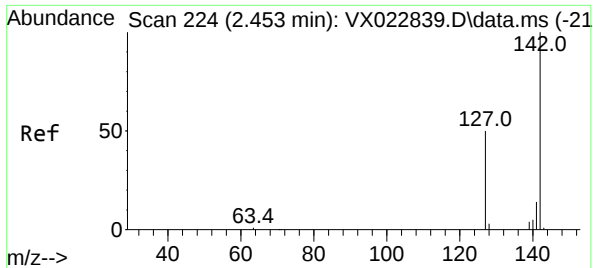
Tgt Ion:168 Resp: 53436
Ion Ratio Lower Upper
168 100
99 74.5 45.8 68.6#



#6
Chloroethane
Concen: 0.432 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.007 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55

Tgt Ion: 64 Resp: 204
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

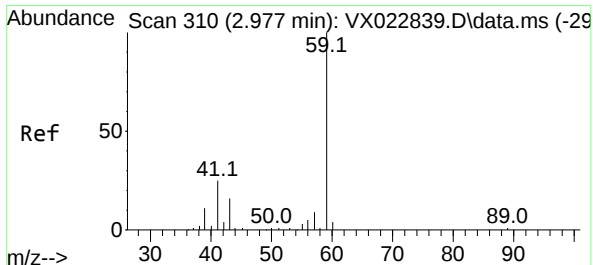
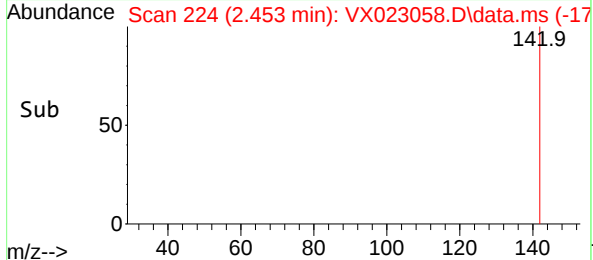
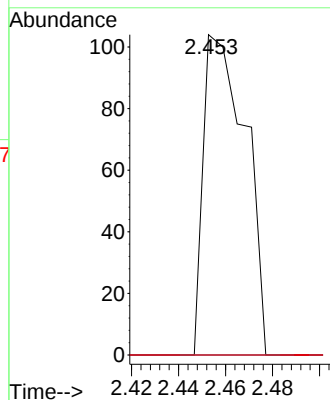
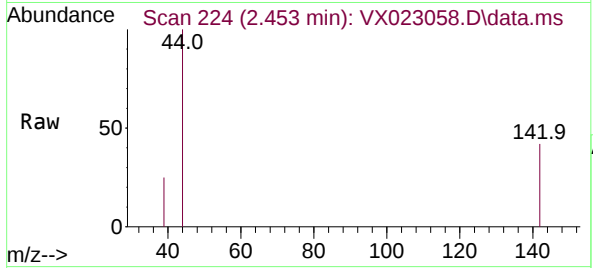




#10
Methyl Iodide
Concen: 4.021 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55

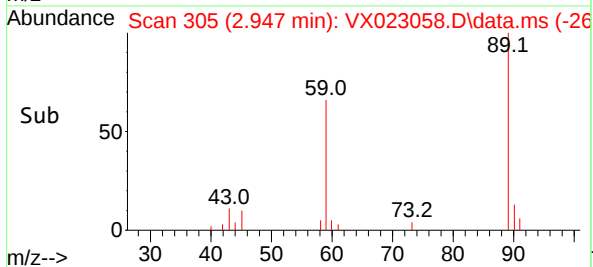
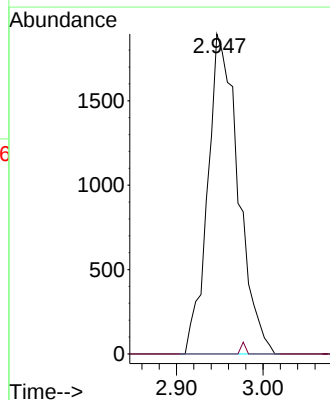
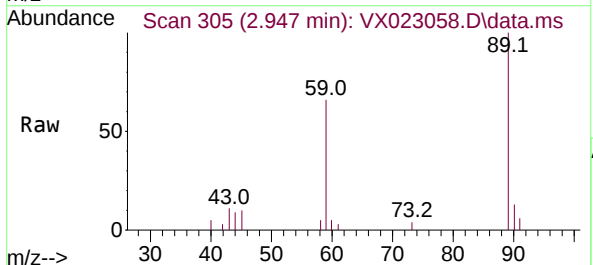
Instrument :
MSVOA_X
ClientSampled :

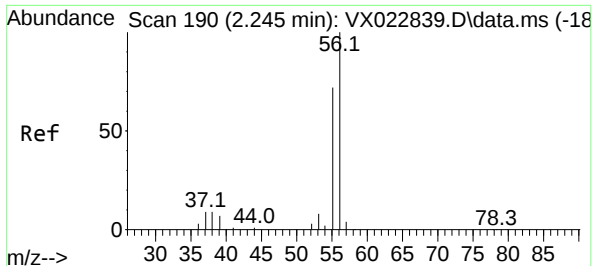
Tgt Ion:142 Resp: 129
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 22.997 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55

Tgt Ion: 59 Resp: 4648
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

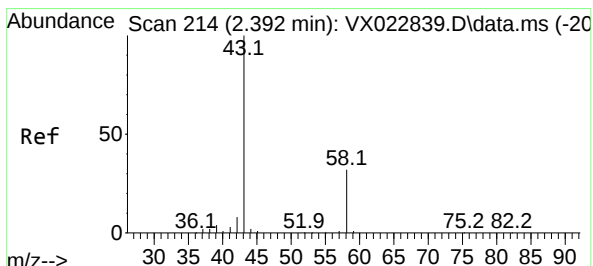
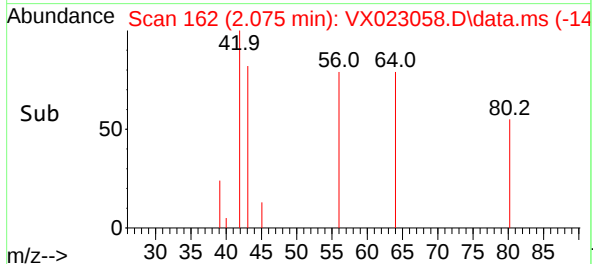
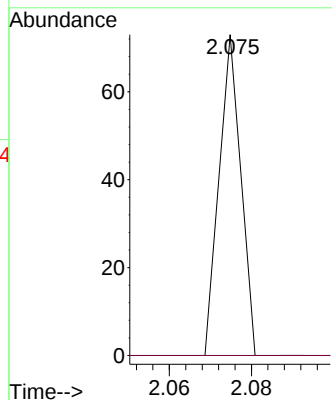
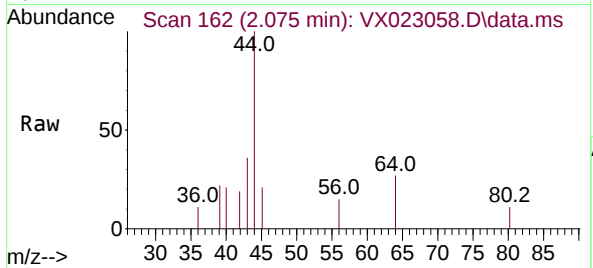




#13
Acrolein
Concen: 0.215 ug/l
RT: 2.075 min Scan# 162
Delta R.T. -0.170 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55

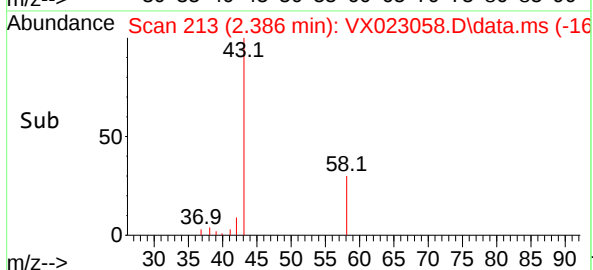
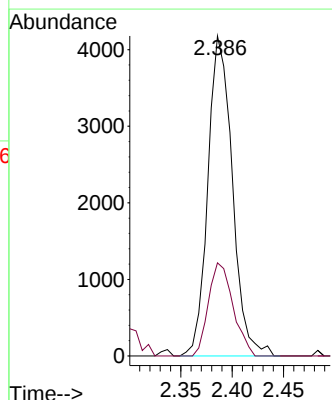
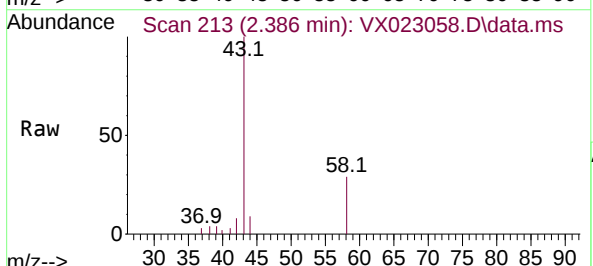
Instrument :
MSVOA_X
ClientSampled :

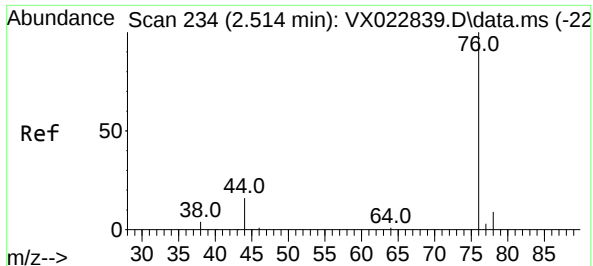
Tgt Ion: 56 Resp: 27
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 16.117 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55

Tgt Ion: 43 Resp: 6929
Ion Ratio Lower Upper
43 100
58 29.1 27.8 41.8

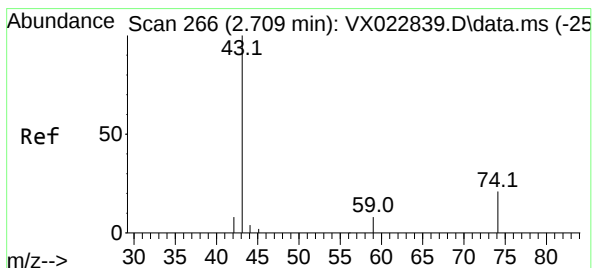
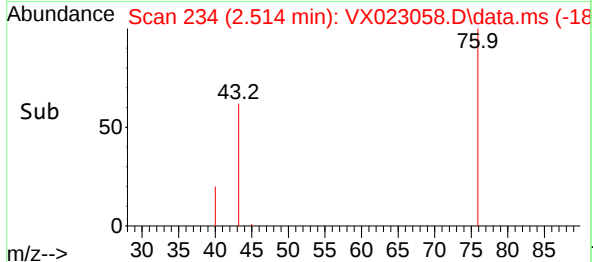
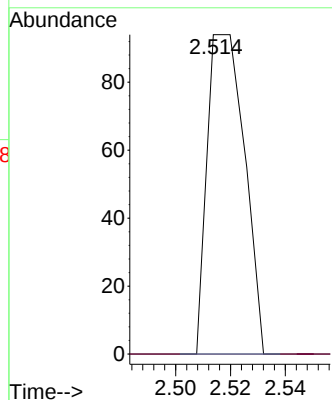
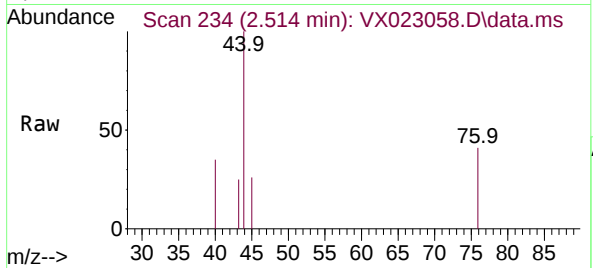




#17
Carbon Disulfide
Concen: 3.559 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55

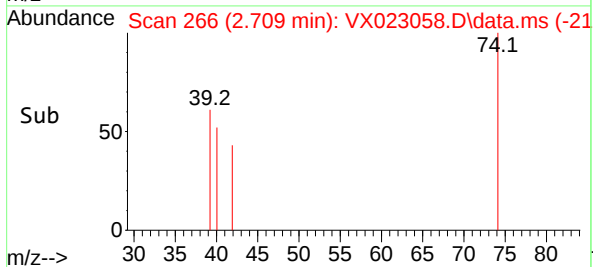
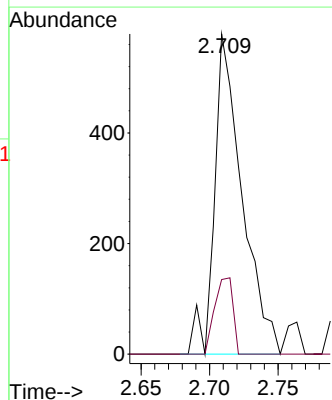
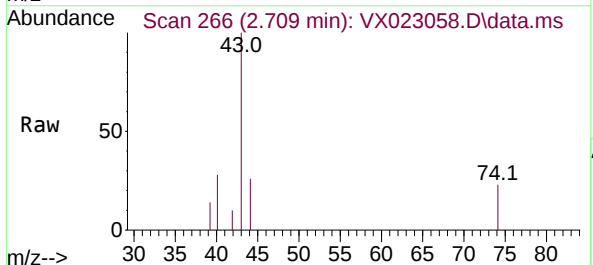
Instrument :
MSVOA_X
ClientSampled :

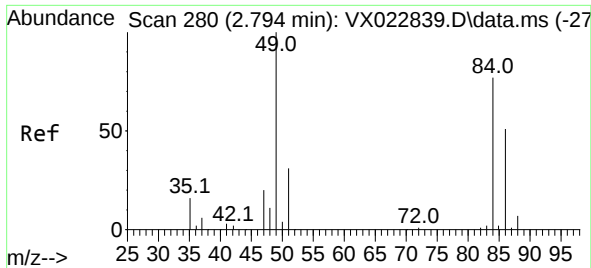
Tgt Ion: 76 Resp: 89
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.770 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55

Tgt Ion: 43 Resp: 815
Ion Ratio Lower Upper
43 100
74 15.7 21.9 32.9#

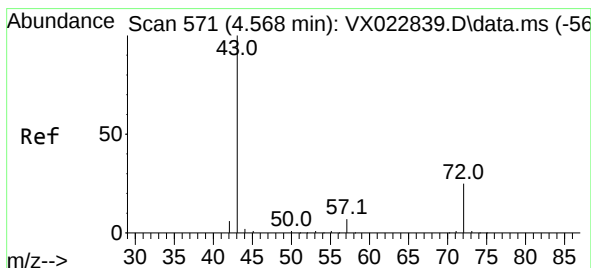
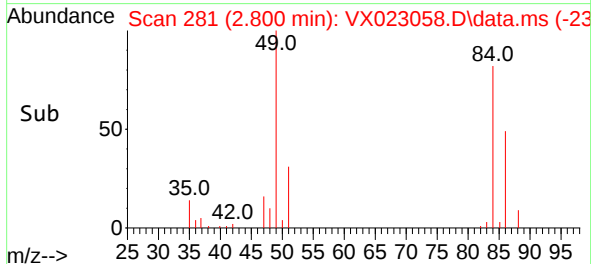
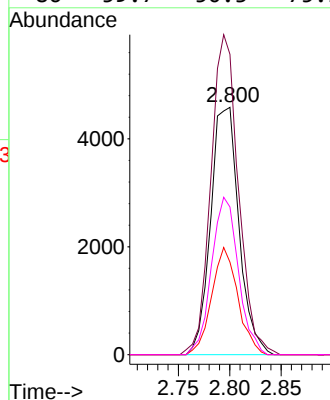
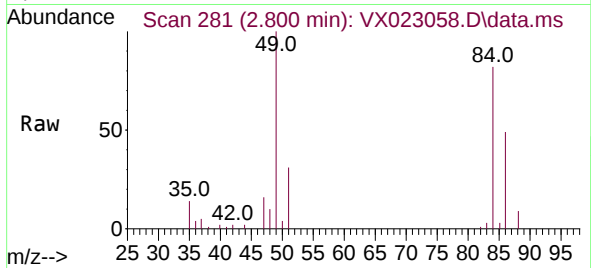




#20
Methylene Chloride
Concen: 10.604 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55

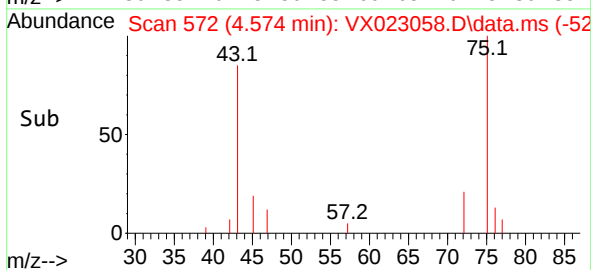
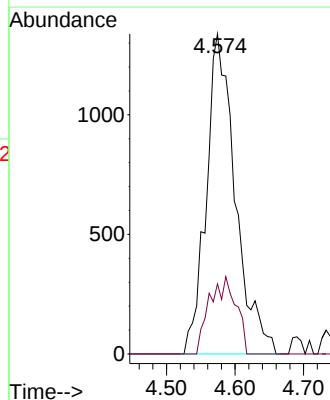
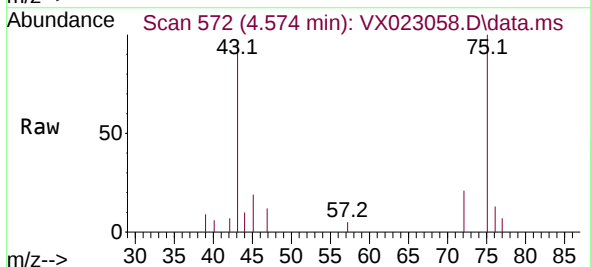
Instrument :
MSVOA_X
ClientSampled :

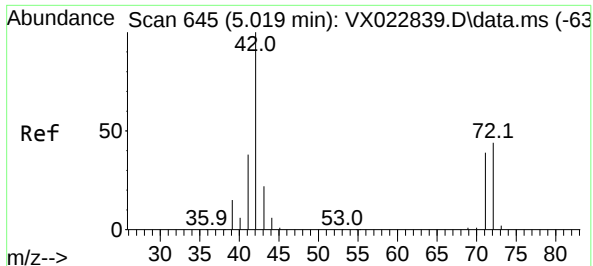
Tgt Ion:	84	Resp:	8790
Ion	Ratio	Lower	Upper
84	100		
49	121.4	88.6	132.8
51	37.4	27.0	40.6
86	59.7	50.3	75.5



#25
2-Butanone
Concen: 5.892 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55

Tgt Ion:	43	Resp:	3939
Ion	Ratio	Lower	Upper
43	100		
72	21.9	23.7	35.5#





#29

Tetrahydrofuran

Concen: 1.144 ug/l

RT: 5.044 min Scan# 649

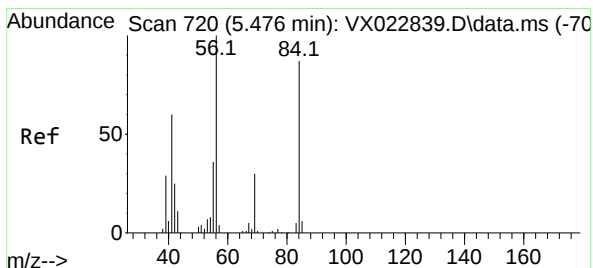
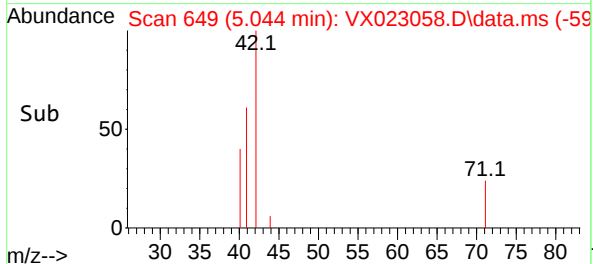
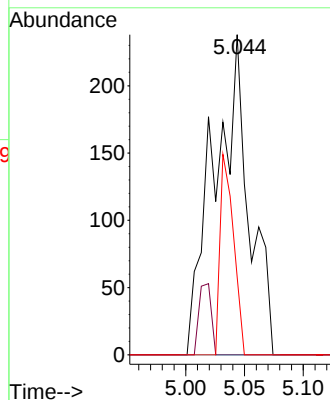
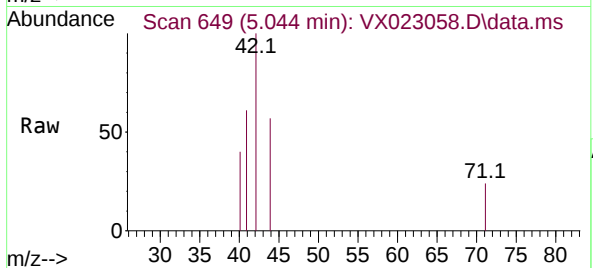
Delta R.T. 0.025 min

Lab File: VX023058.D

Acq: 01 Jul 2021 01:55

Tgt Ion:	42	Resp:	492
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	24.2	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.223 ug/l

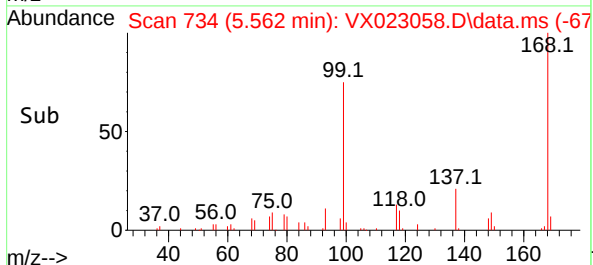
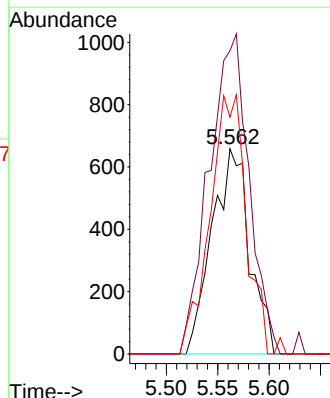
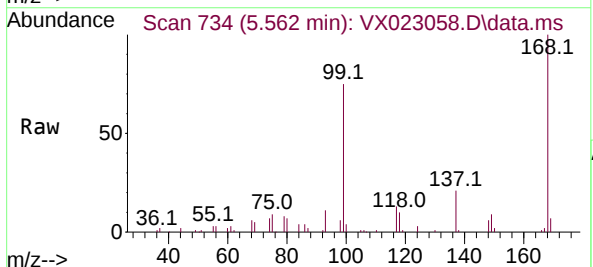
RT: 5.562 min Scan# 734

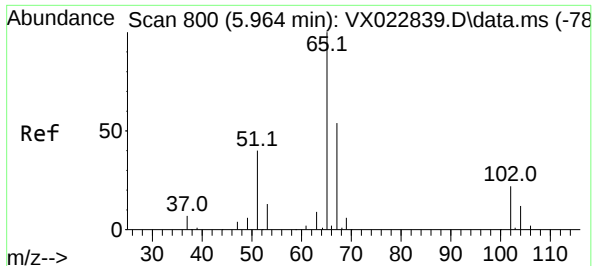
Delta R.T. 0.086 min

Lab File: VX023058.D

Acq: 01 Jul 2021 01:55

Tgt Ion:	56	Resp:	1674
Ion	Ratio	Lower	Upper
56	100		
69	147.9	25.3	37.9#
84	115.5	71.4	107.0#



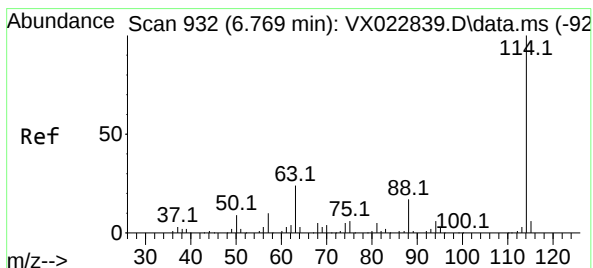
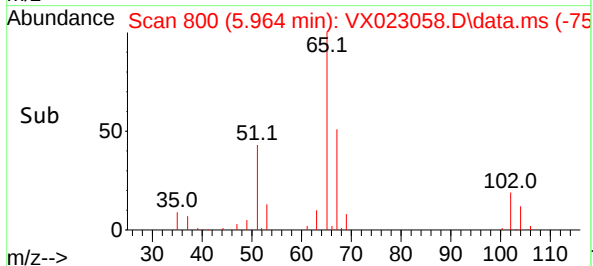
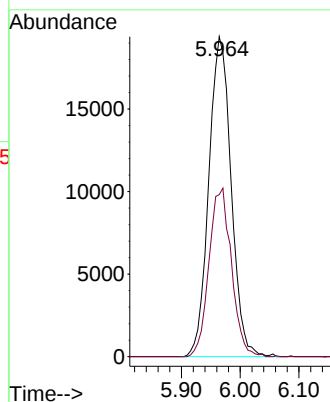
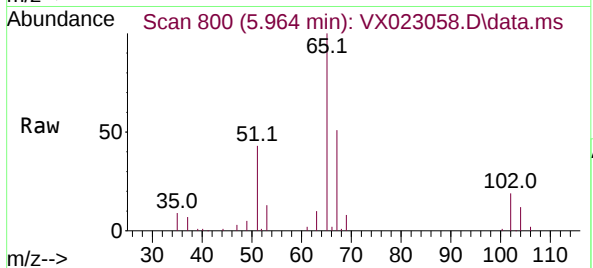


#33

1,2-Dichloroethane-d4
Concen: 52.850 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55

Instrument :
MSVOA_X
ClientSampled :

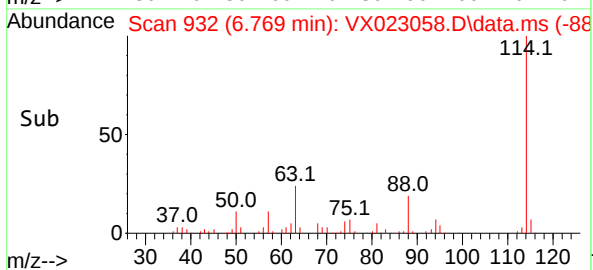
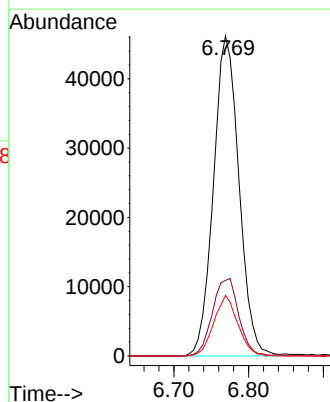
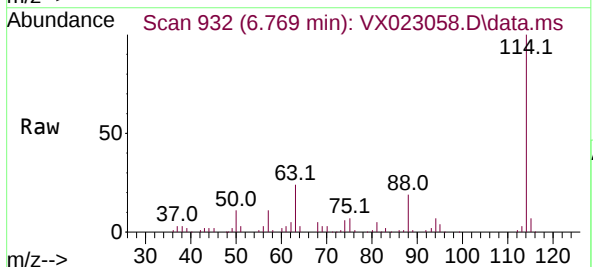
Tgt Ion: 65 Resp: 51251
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.4

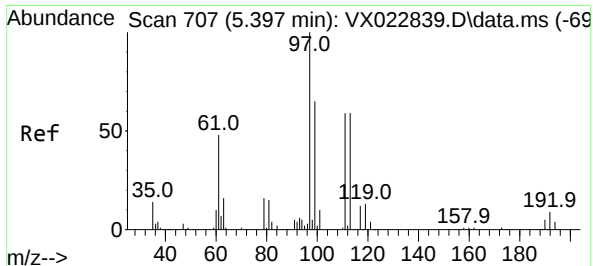


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55

Tgt Ion: 114 Resp: 109493
Ion Ratio Lower Upper
114 100
63 23.6 0.0 40.8
88 18.9 0.0 32.8

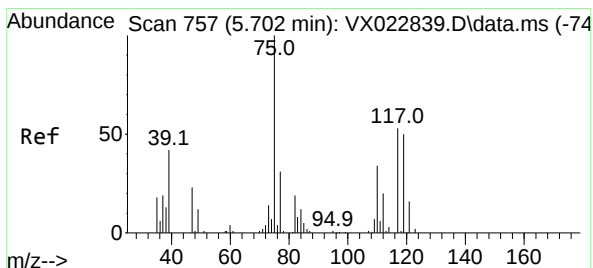
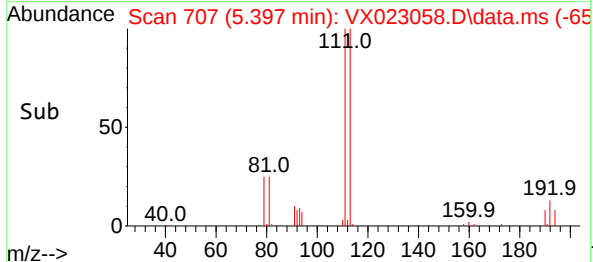
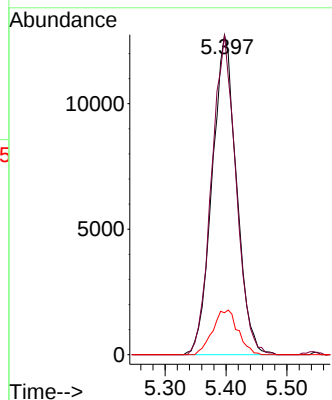
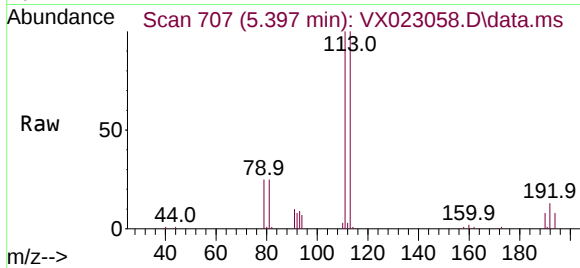




#35
Dibromofluoromethane
Concen: 50.828 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55

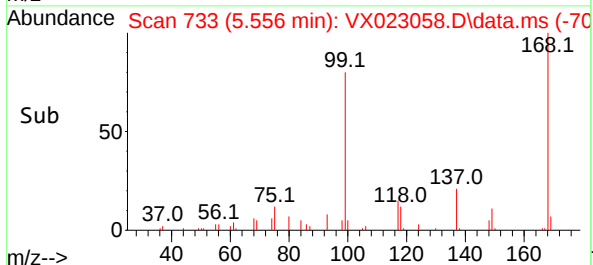
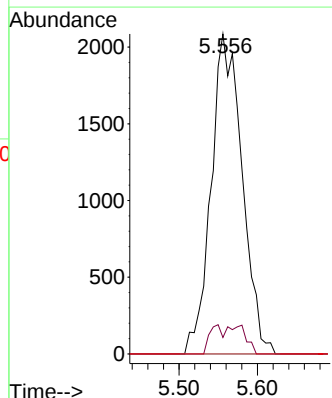
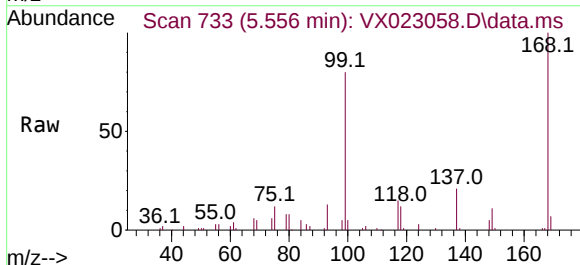
Instrument :
MSVOA_X
ClientSampleId :

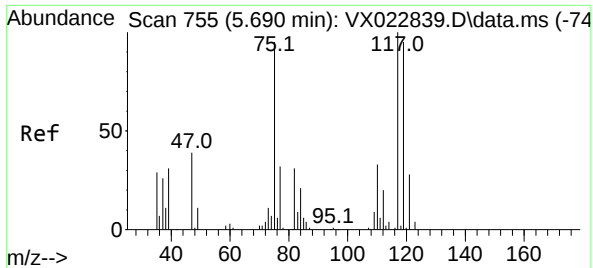
Tgt Ion:113 Resp: 35341
Ion Ratio Lower Upper
113 100
111 100.1 81.9 122.9
192 14.5 16.7 25.1#



#36
1,1-Dichloropropene
Concen: 4.925 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55

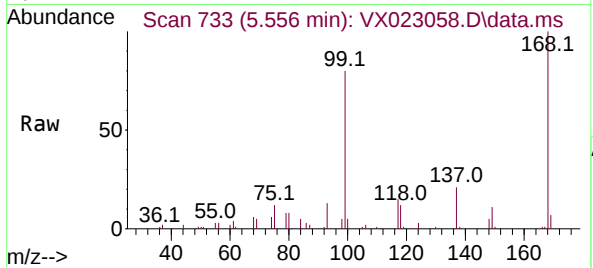
Tgt Ion: 75 Resp: 5728
Ion Ratio Lower Upper
75 100
110 3.8 18.1 54.4#
77 0.0 25.3 37.9#



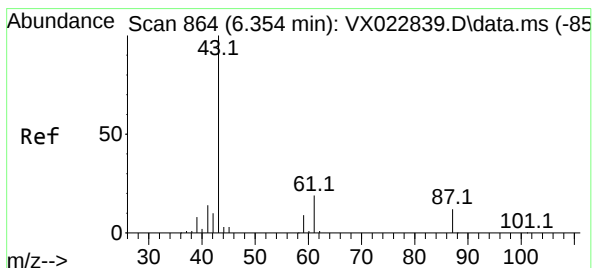
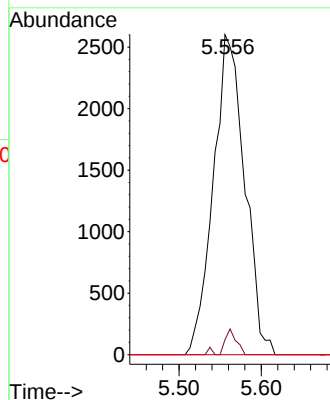
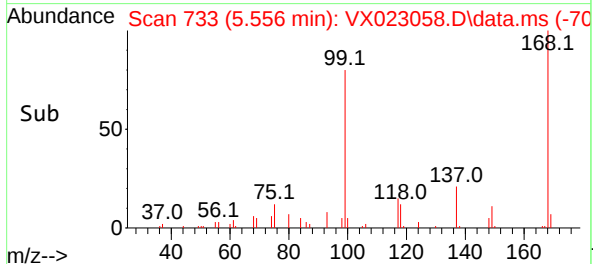


#38
Carbon Tetrachloride
Concen: 7.062 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55

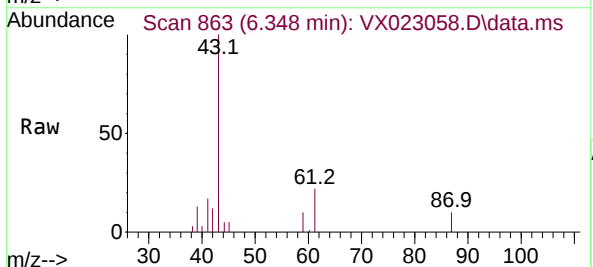
Instrument :
MSVOA_X
ClientSampleId :



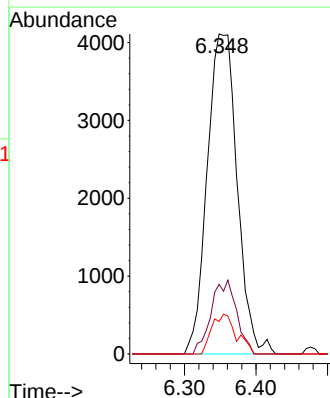
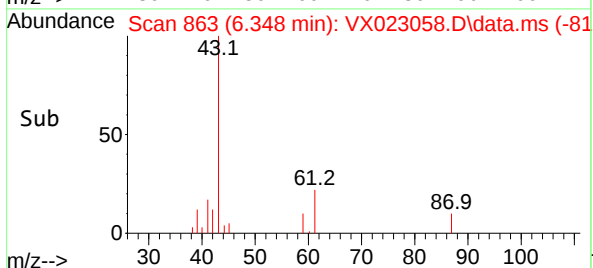
Tgt Ion:117 Resp: 6889
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 24.8 37.2#

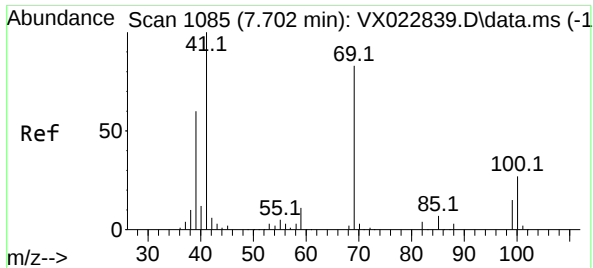


#43
Isopropyl Acetate
Concen: 5.532 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.006 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55



Tgt Ion: 43 Resp: 11981
Ion Ratio Lower Upper
43 100
61 19.6 18.2 27.4
87 10.2 12.5 18.7#

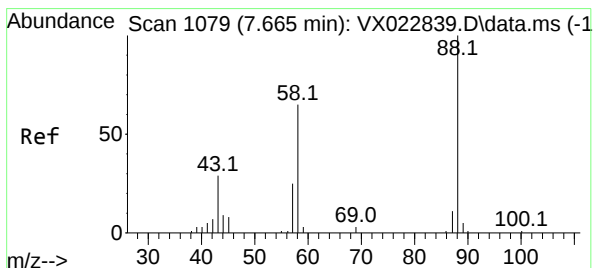
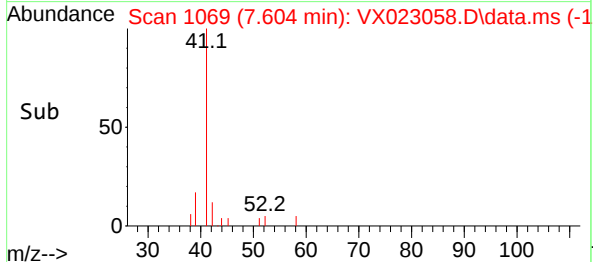
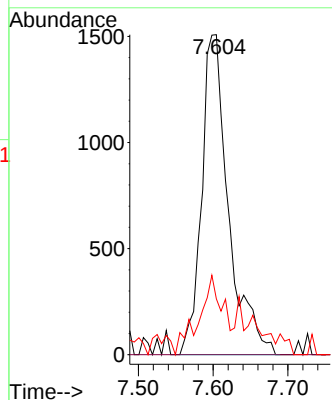
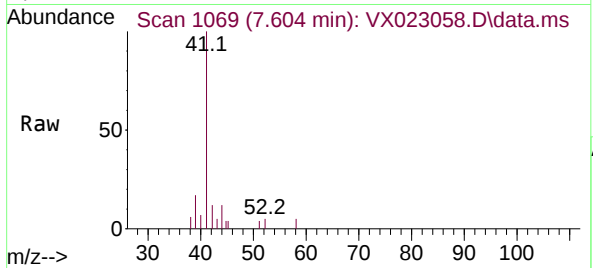




#48
Methyl methacrylate
Concen: 3.767 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55

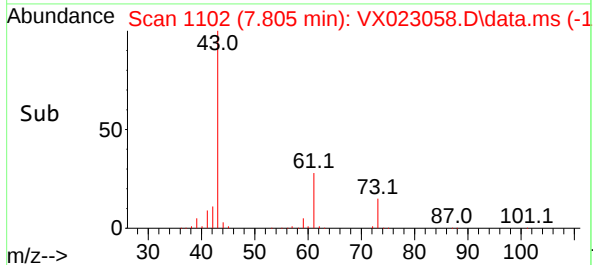
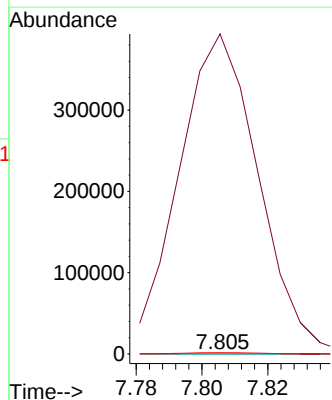
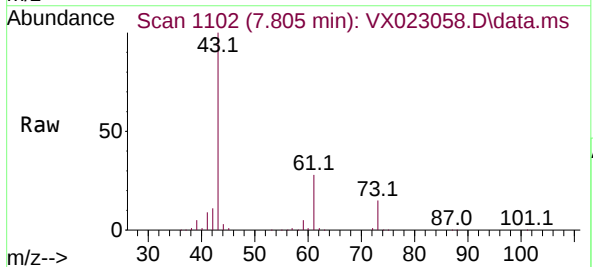
Instrument :
MSVOA_X
ClientSampled :

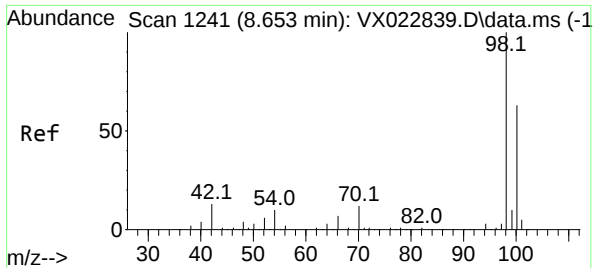
Tgt Ion: 41 Resp: 3776
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 2.503 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 1251235.2 23.2 34.8#
58 5201.9 55.0 82.4#

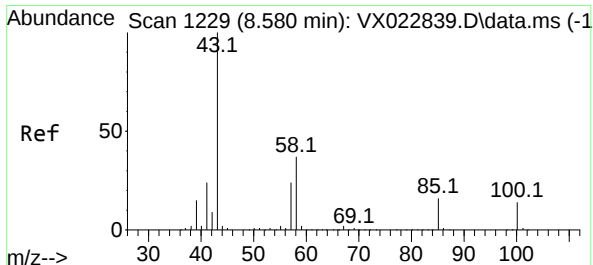
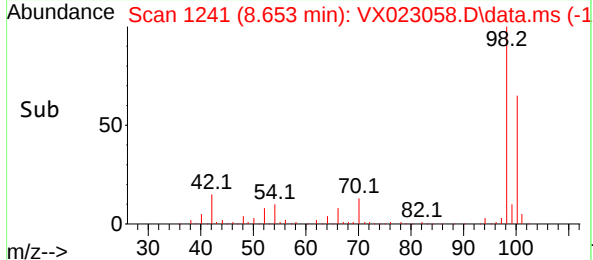
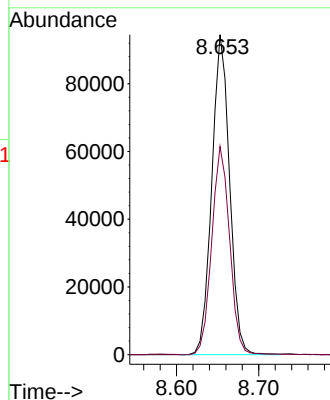
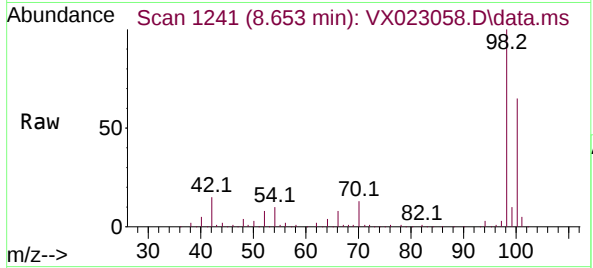




#50
Toluene-d8
Concen: 52.087 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55

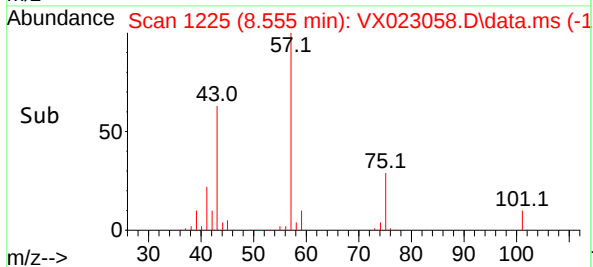
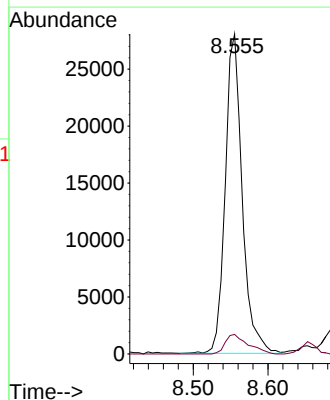
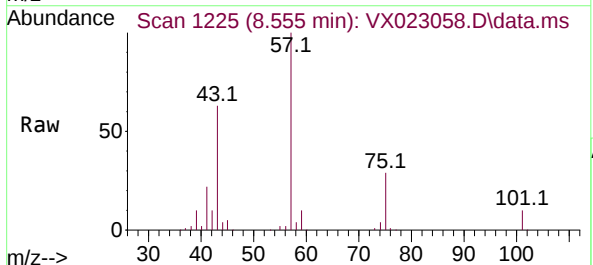
Instrument :
MSVOA_X
ClientSampled :

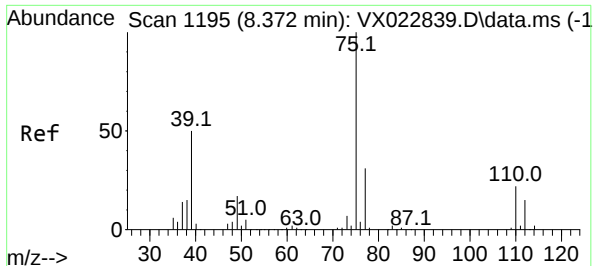
Tgt Ion: 98 Resp: 141940
Ion Ratio Lower Upper
98 100
100 65.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 32.890 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55

Tgt Ion: 43 Resp: 44335
Ion Ratio Lower Upper
43 100
58 8.2 35.4 53.0#

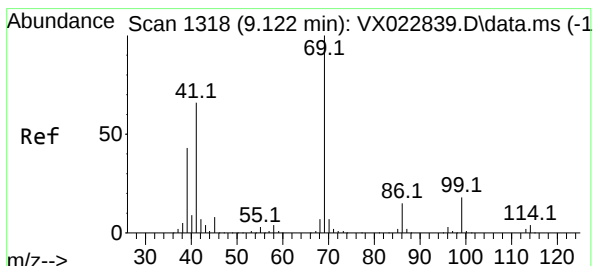
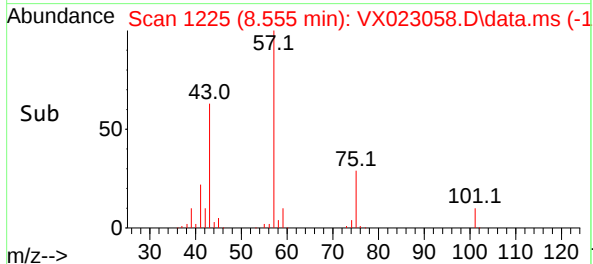
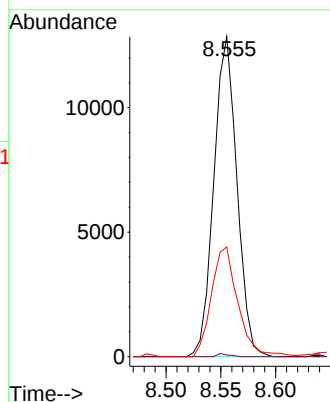
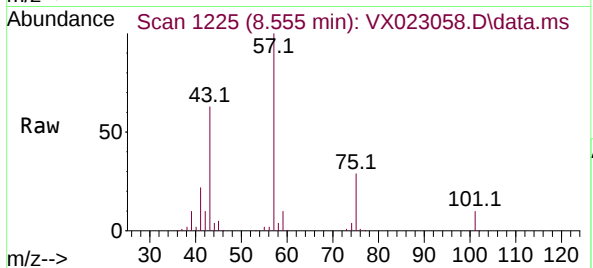




#54
cis-1,3-Dichloropropene
Concen: 14.707 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55

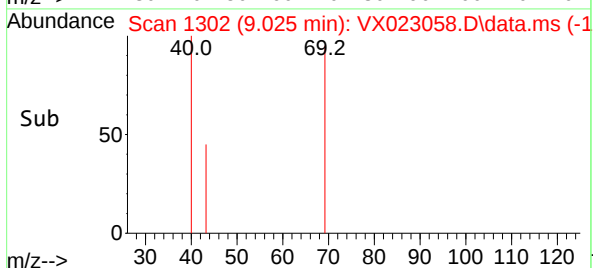
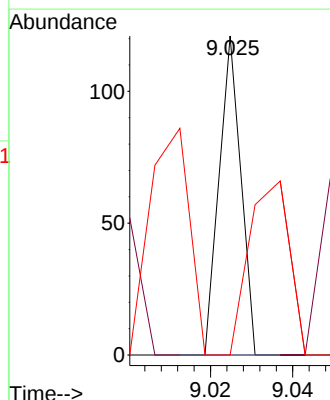
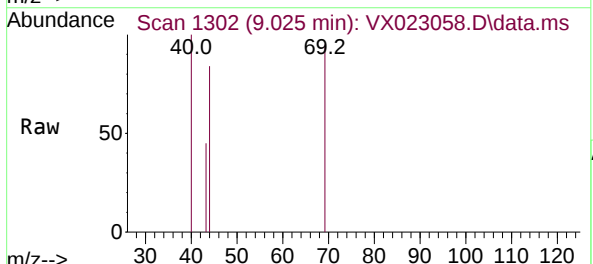
Instrument :
MSVOA_X
ClientSampled :

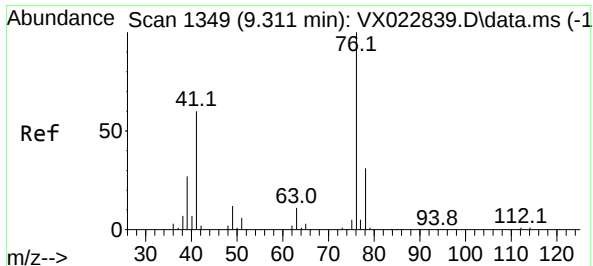
Tgt Ion: 75 Resp: 18803
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 34.3 35.1 52.7#



#56
Ethyl methacrylate
Concen: 2.607 ug/l
RT: 9.025 min Scan# 1302
Delta R.T. -0.097 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55

Tgt Ion: 69 Resp: 44
Ion Ratio Lower Upper
69 100
41 0.0 46.8 70.2#
39 0.0 24.7 37.1#



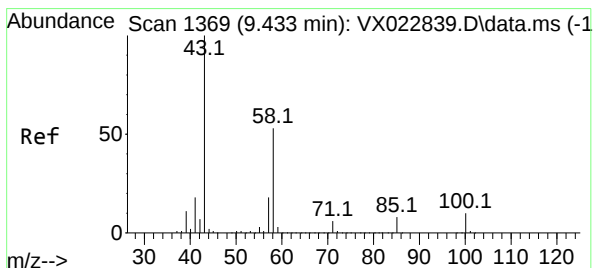
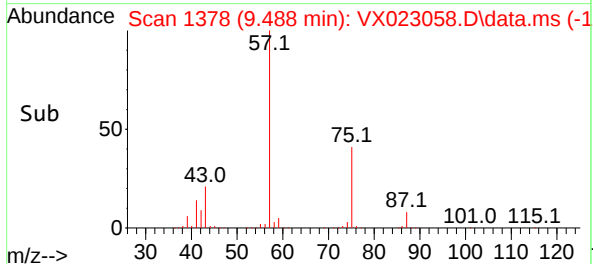
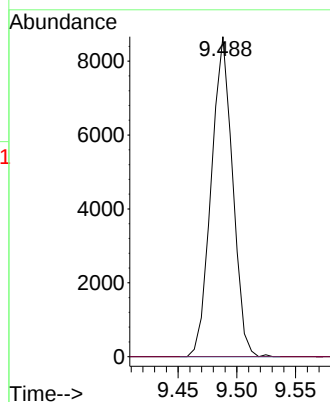
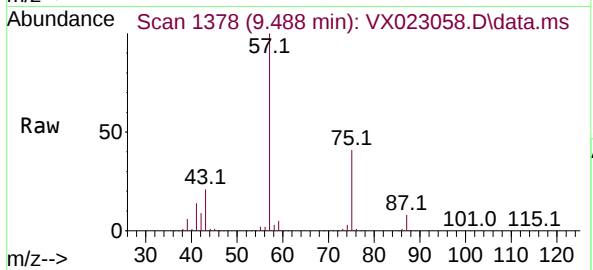


#57

1,3-Dichloropropane
Concen: 7.411 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55

Instrument :
MSVOA_X
ClientSampled :

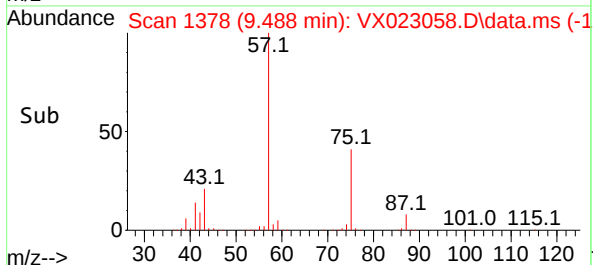
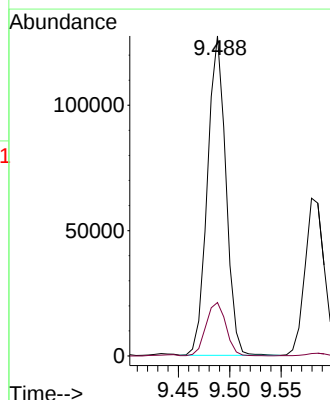
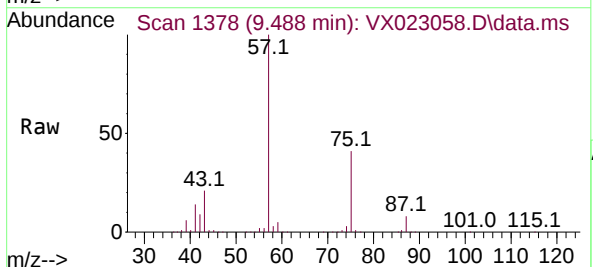
Tgt Ion: 76 Resp: 10957
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

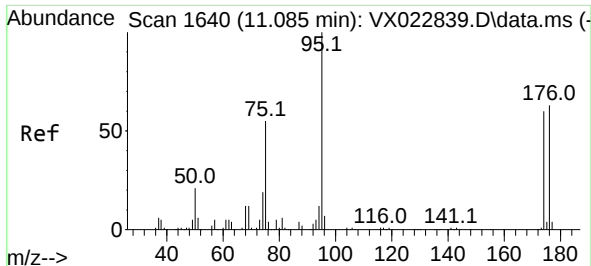


#59

2-Hexanone
Concen: 155.864 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55

Tgt Ion: 43 Resp: 159393
Ion Ratio Lower Upper
43 100
58 18.2 30.9 92.8#

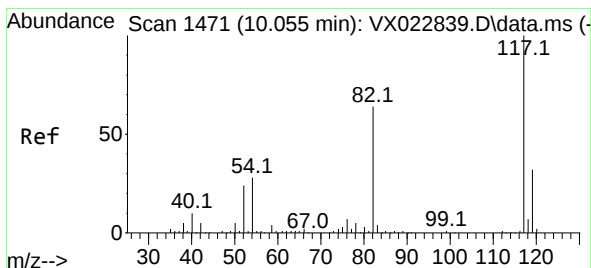
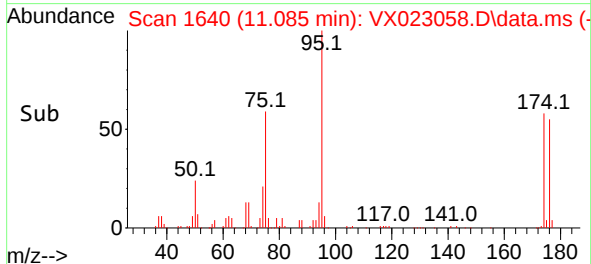
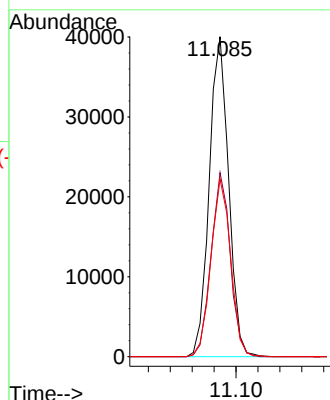
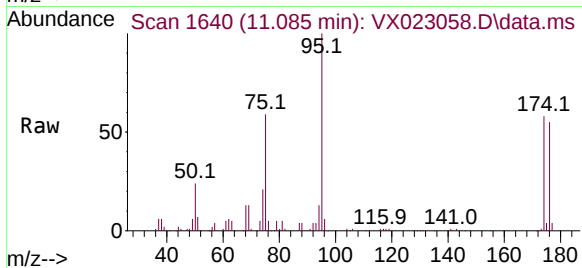




#62
4-Bromofluorobenzene
Concen: 48.274 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55

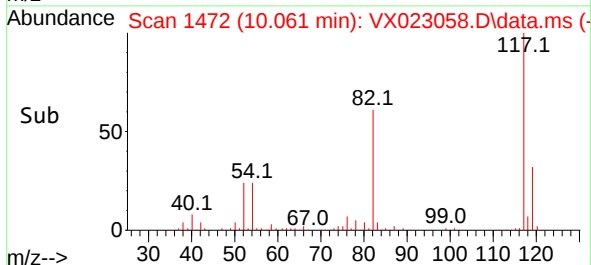
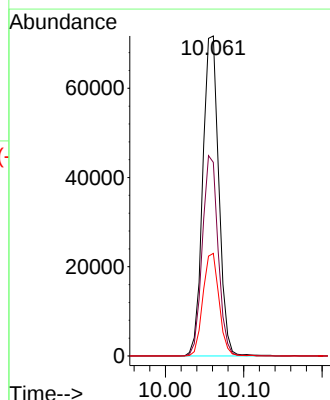
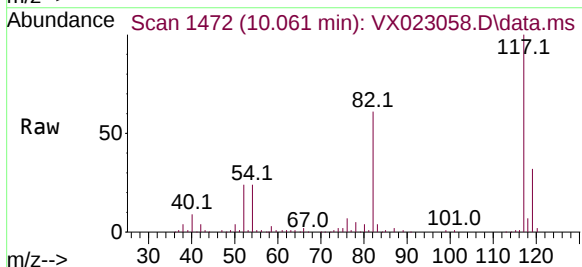
Instrument :
MSVOA_X
ClientSampleId :

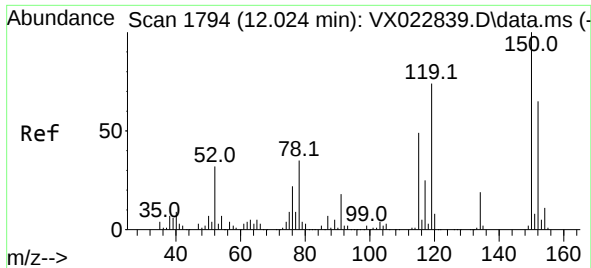
Tgt Ion: 95 Resp: 49095
Ion Ratio Lower Upper
95 100
174 57.2 0.0 154.6
176 56.5 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55

Tgt Ion: 117 Resp: 101884
Ion Ratio Lower Upper
117 100
82 60.5 47.4 71.2
119 32.1 26.6 39.8

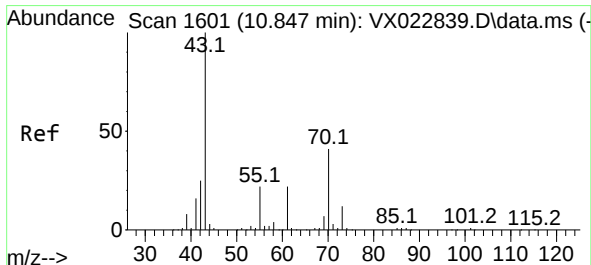
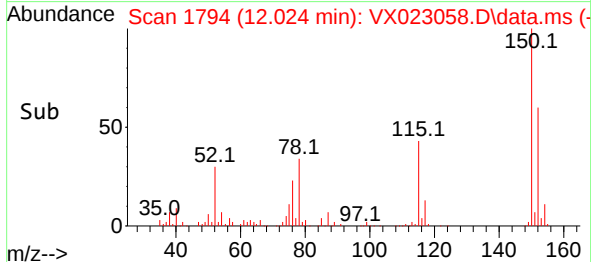
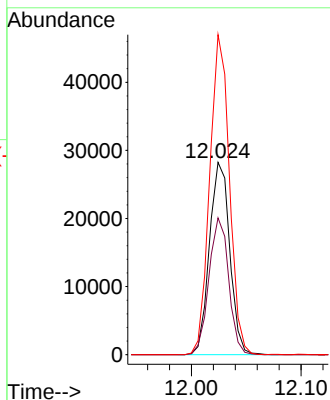
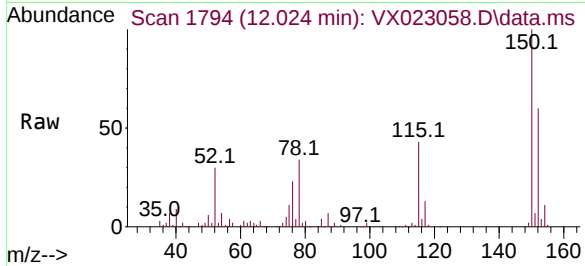




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55

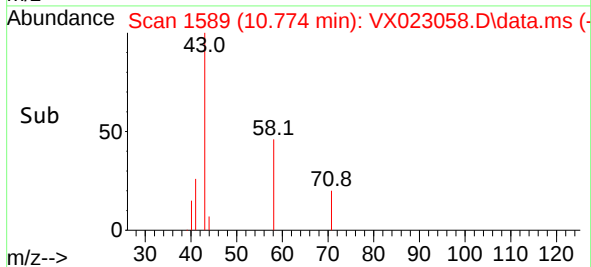
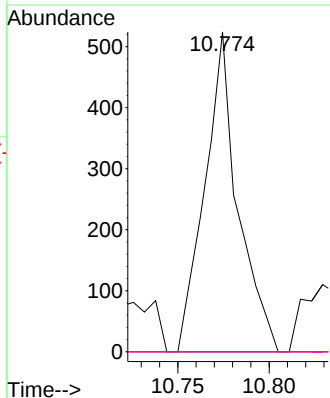
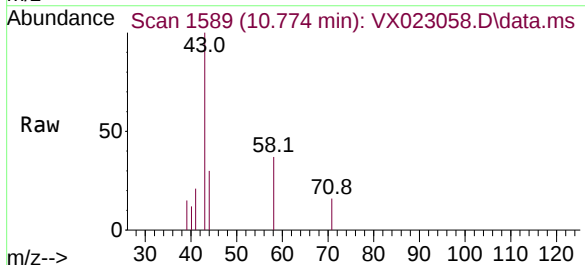
Instrument :
MSVOA_X
ClientSampled :

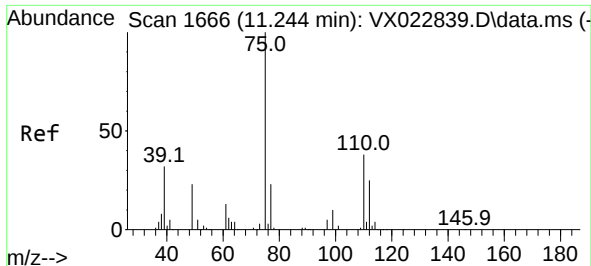
Tgt Ion:152 Resp: 36383
Ion Ratio Lower Upper
152 100
115 69.1 41.1 123.3
150 161.0 0.0 349.0



#74
N-ethyl acetate
Concen: 2.419 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.073 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55

Tgt Ion: 43 Resp: 659
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 0.0 21.5 32.3#
61 0.0 22.1 33.1#

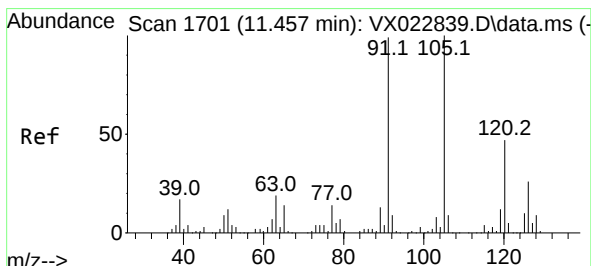
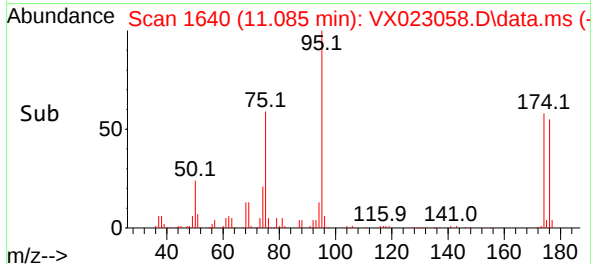
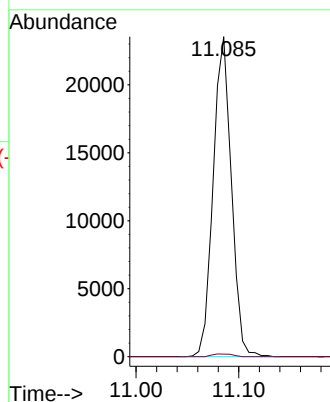
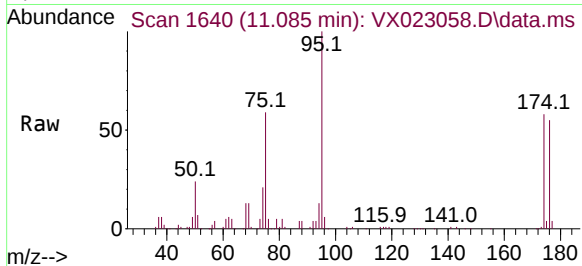




#76
1,2,3-Trichloropropane
Concen: 30.052 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55

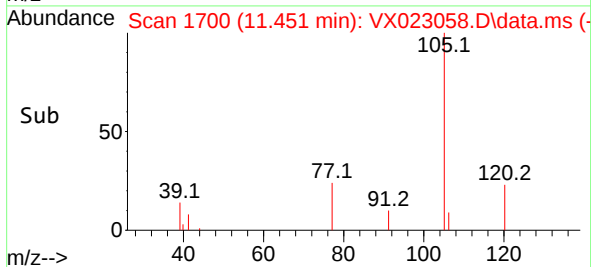
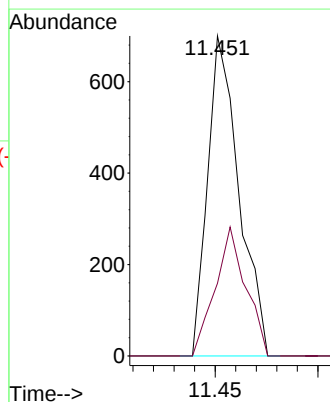
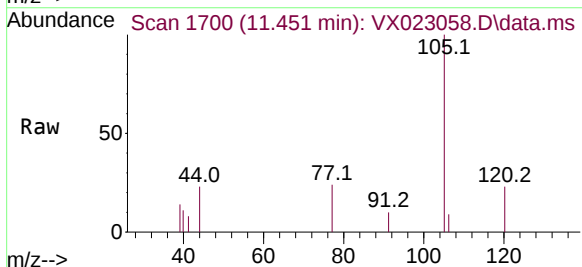
Instrument :
MSVOA_X
ClientSampled :

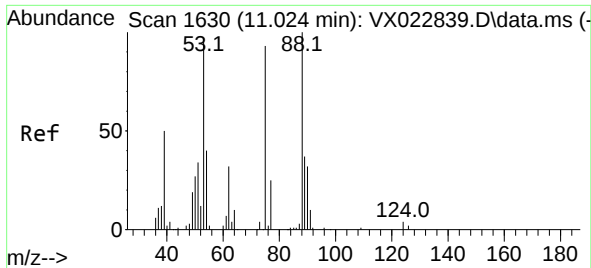
Tgt Ion: 75 Resp: 28880
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.293 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55

Tgt Ion:105 Resp: 741
Ion Ratio Lower Upper
105 100
120 39.4 23.8 71.5

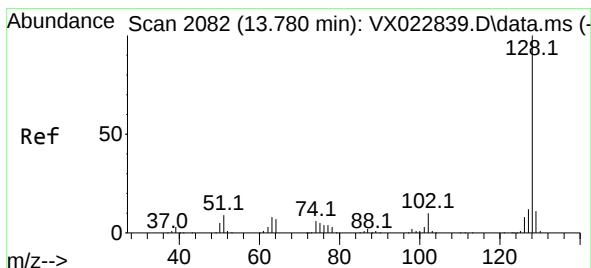
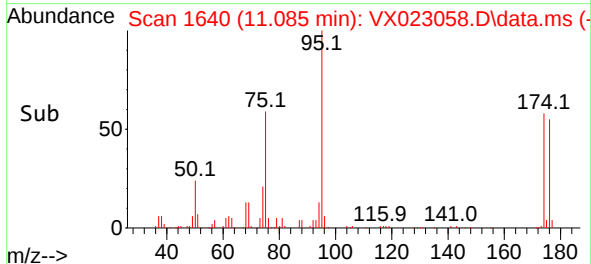
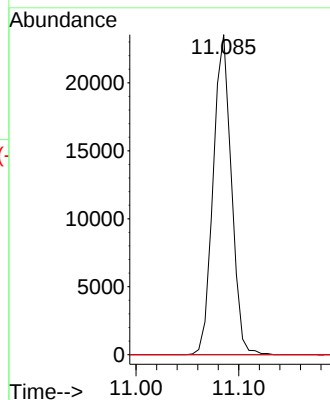
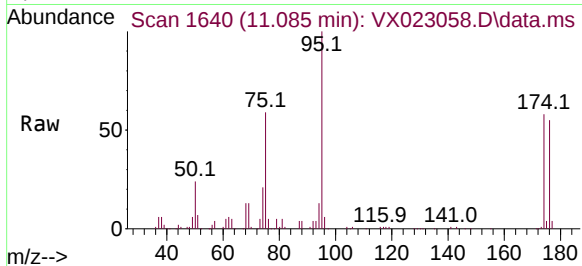




#81
trans-1,4-Dichloro-2-butene
Concen: 77.111 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 28880
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.994 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023058.D
Acq: 01 Jul 2021 01:55

Tgt Ion:128 Resp: 219
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

