

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071421\
 Data File : VX023290.D
 Acq On : 14 Jul 2021 19:30
 Operator : JC/MD
 Sample : M3021-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 15 04:30:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

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

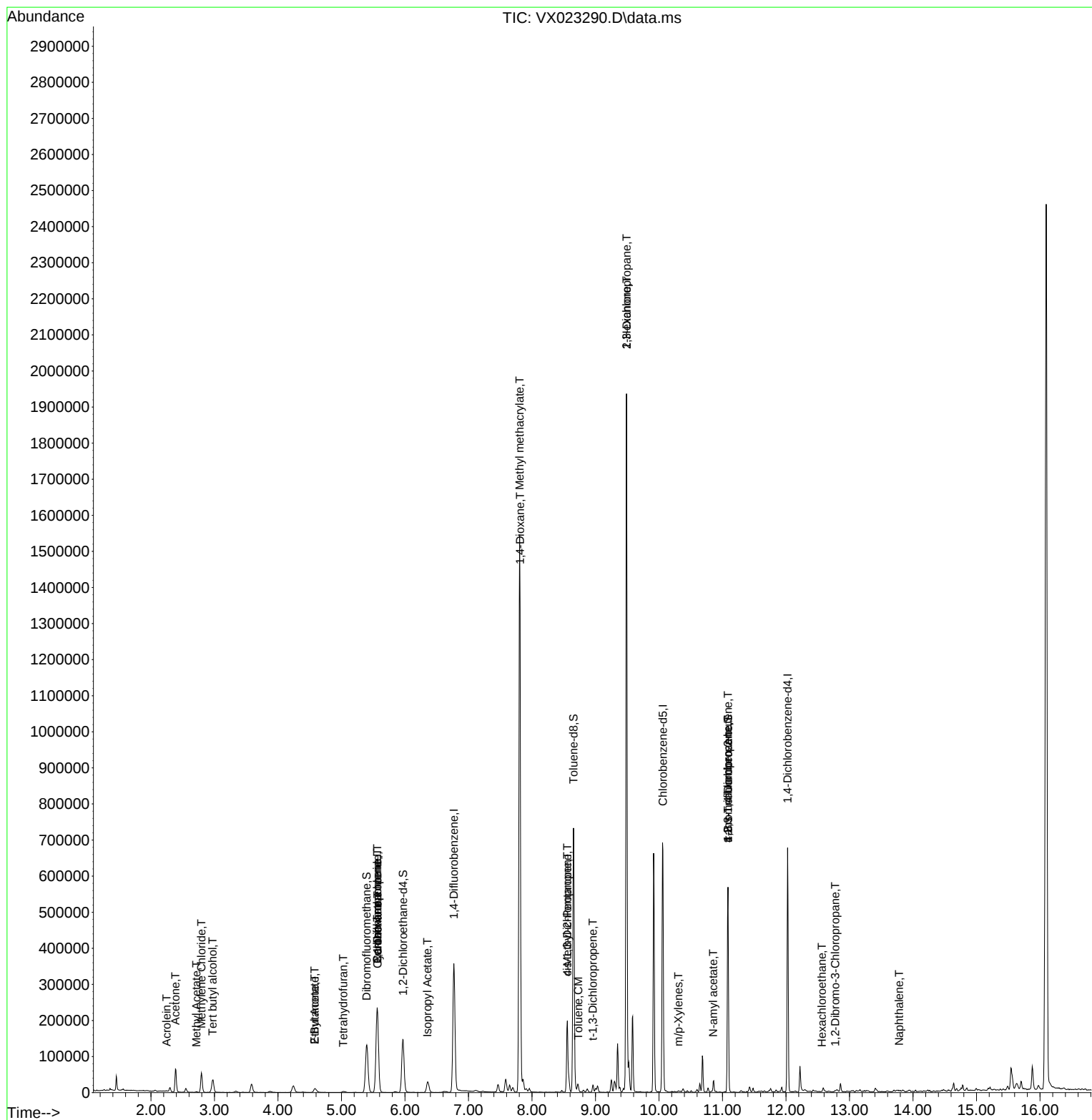
Internal Standards						
1) Pentafluorobenzene	5.562	168	219379	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	359792	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	316495	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	136409	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	150500	51.044	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.080%			
35) Dibromofluoromethane	5.397	113	115471	49.699	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.400%			
50) Toluene-d8	8.653	98	427752	49.355	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.720%			
62) 4-Bromofluorobenzene	11.085	95	152534	45.589	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.180%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.569	94	123	Below Cal	#	2
11) Tert butyl alcohol	2.971	59	41432	66.796	ug/l	97
13) Acrolein	2.246	56	526	1.273	ug/l #	57
16) Acetone	2.386	43	67389	57.770	ug/l	90
18) Methyl Acetate	2.715	43	1433	0.506	ug/l	96
20) Methylene Chloride	2.794	84	24195	9.634	ug/l	89
25) 2-Butanone	4.574	43	11531	6.555	ug/l #	83
29) Tetrahydrofuran	5.026	42	2583	2.284	ug/l #	69
31) Cyclohexane	5.568	56	4379	1.240	ug/l #	21
36) 1,1-Dichloropropene	5.562	75	16994	5.298	ug/l #	50
37) Ethyl Acetate	4.574	43	11531	3.296	ug/l #	66
38) Carbon Tetrachloride	5.562	117	23058	6.887	ug/l #	17
43) Isopropyl Acetate	6.355	43	31965	5.492	ug/l #	90
48) Methyl methacrylate	7.806	41	137468	48.137	ug/l #	37
49) 1,4-Dioxane	7.812	88	284	4.419	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	82530	22.884	ug/l #	32
52) Toluene	8.726	92	6918	1.148	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	25	2.742	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	30419	9.147	ug/l #	66
57) 1,3-Dichloropropane	9.488	76	16374	3.914	ug/l #	43
59) 2-Hexanone	9.488	43	230075	83.147	ug/l #	44
68) m/p-Xylenes	10.305	106	877	0.208	ug/l	93
74) N-amyl acetate	10.854	43	4248	1.042	ug/l #	9
76) 1,2,3-Trichloropropane	11.085	75	77934	28.391	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	77934	76.486	ug/l #	12
90) Hexachloroethane	12.567	117	52	3.029	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	12.774	75	20	2.596	ug/l #	1
95) Naphthalene	13.780	128	2281	1.494	ug/l #	92

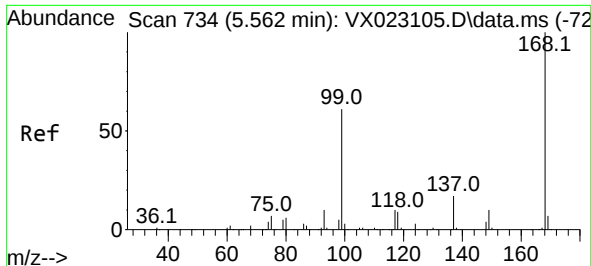
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071421\
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ClientSampleId :

Quant Time: Jul 15 04:30:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 02 14:29:42 2021
Response via : Initial Calibration

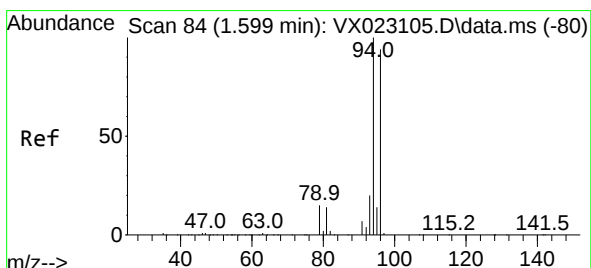
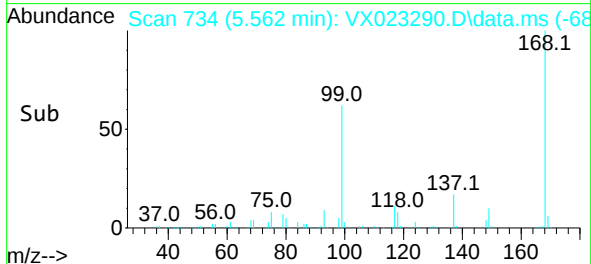
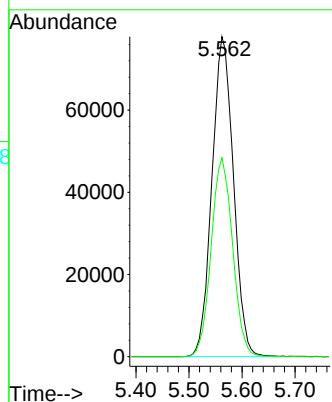
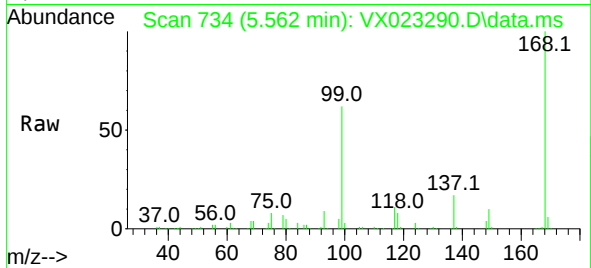




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023290.D
Acq: 14 Jul 2021 19:30

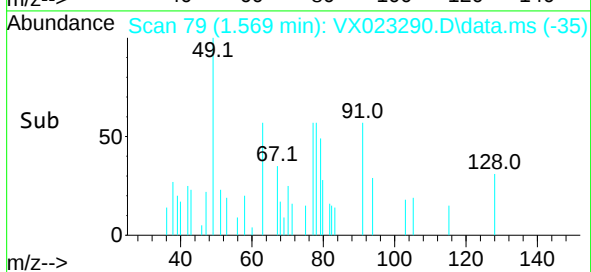
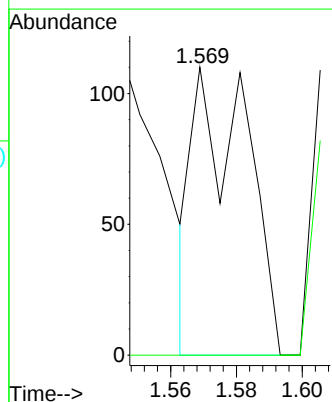
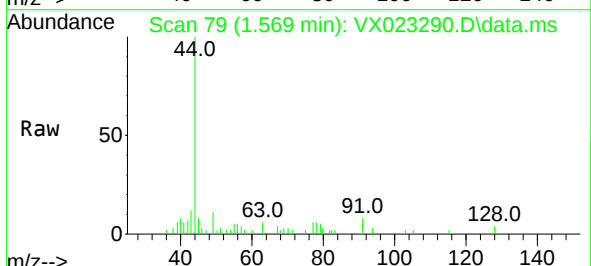
Instrument :
MSVOA_X
ClientSampled :

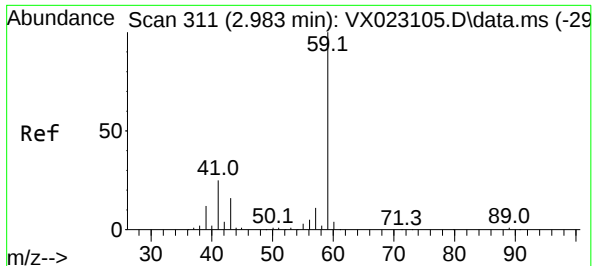
Tgt Ion:168 Resp: 219379
Ion Ratio Lower Upper
168 100
99 62.1 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.569 min Scan# 79
Delta R.T. -0.030 min
Lab File: VX023290.D
Acq: 14 Jul 2021 19:30

Tgt Ion: 94 Resp: 123
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#

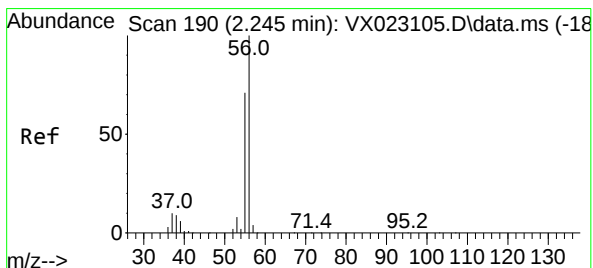
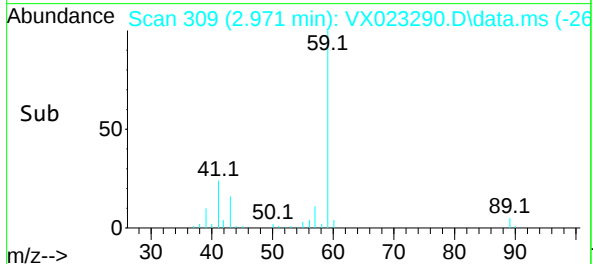
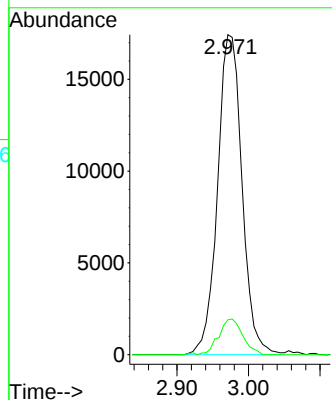
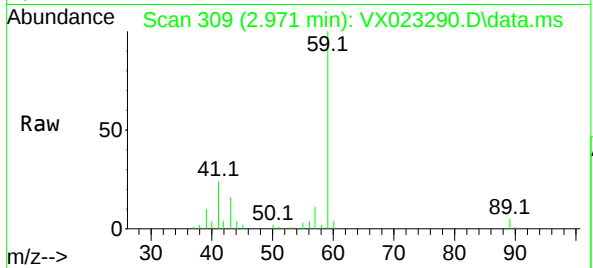




#11
Tert butyl alcohol
Concen: 66.796 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023290.D
Acq: 14 Jul 2021 19:30

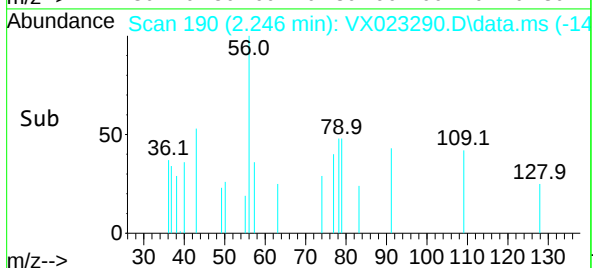
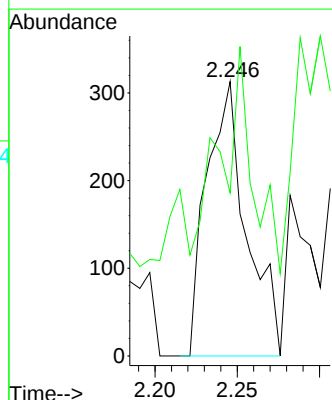
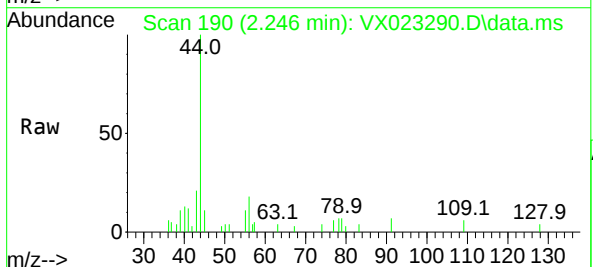
Instrument :
MSVOA_X
ClientSampled :

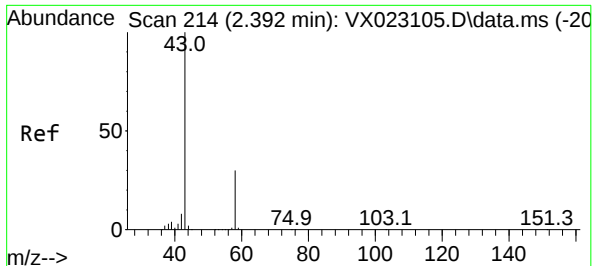
Tgt Ion: 59 Resp: 41432
Ion Ratio Lower Upper
59 100
57 10.9 7.8 11.8



#13
Acrolein
Concen: 1.273 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.001 min
Lab File: VX023290.D
Acq: 14 Jul 2021 19:30

Tgt Ion: 56 Resp: 526
Ion Ratio Lower Upper
56 100
55 106.3 56.4 84.6#

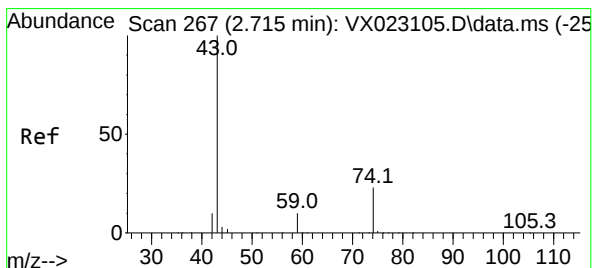
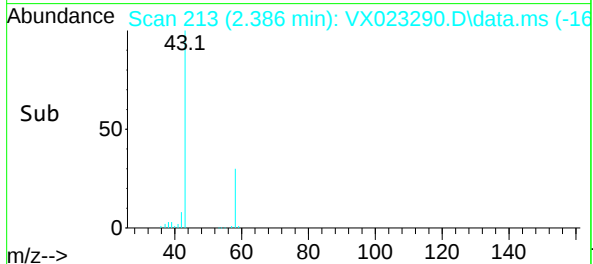
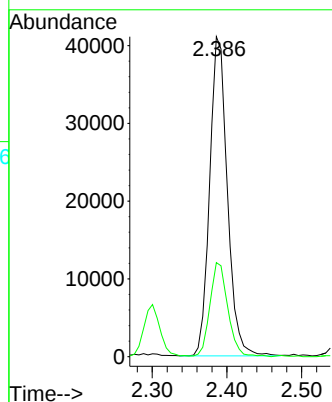
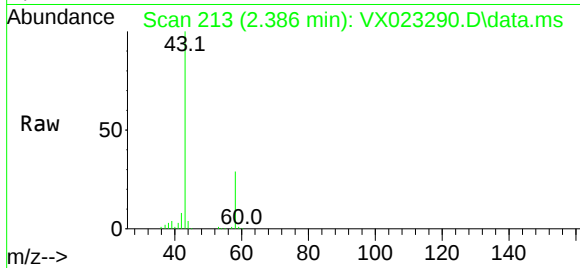




#16
Acetone
Concen: 57.770 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023290.D
Acq: 14 Jul 2021 19:30

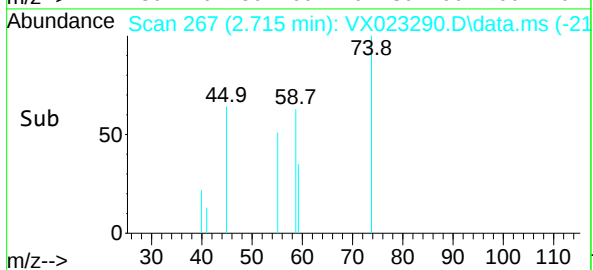
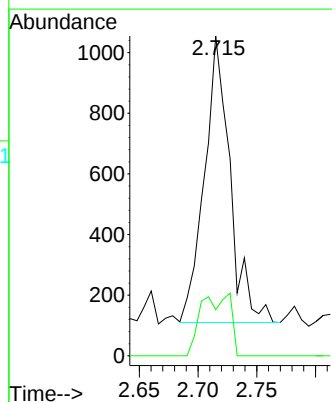
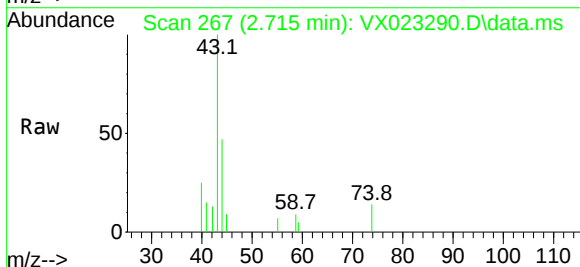
Instrument :
MSVOA_X
ClientSampled :

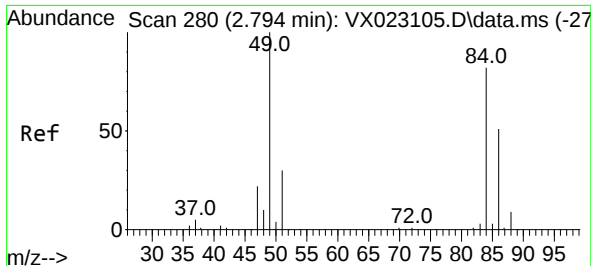
Tgt Ion: 43 Resp: 67389
Ion Ratio Lower Upper
43 100
58 29.2 27.8 41.8



#18
Methyl Acetate
Concen: 0.506 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX023290.D
Acq: 14 Jul 2021 19:30

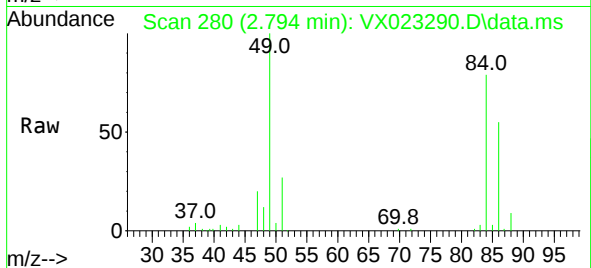
Tgt Ion: 43 Resp: 1433
Ion Ratio Lower Upper
43 100
74 25.1 21.9 32.9



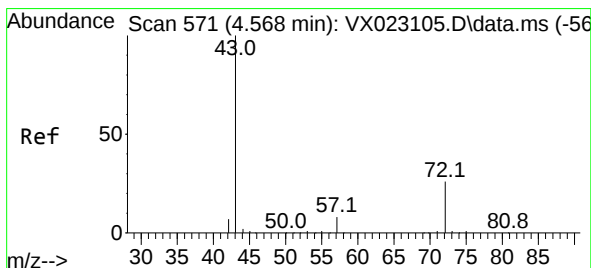
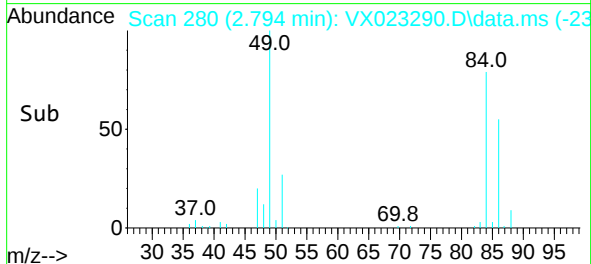
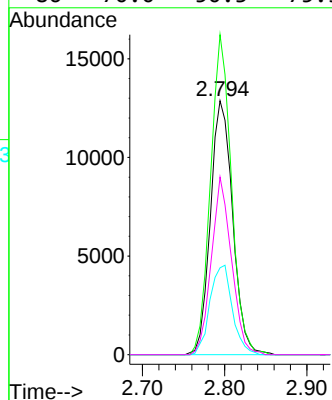


#20
Methylene Chloride
Concen: 9.634 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023290.D
Acq: 14 Jul 2021 19:30

Instrument :
MSVOA_X
ClientSampled :

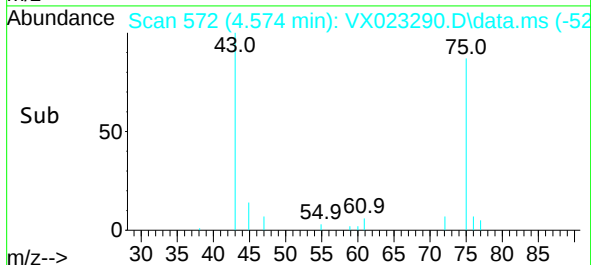
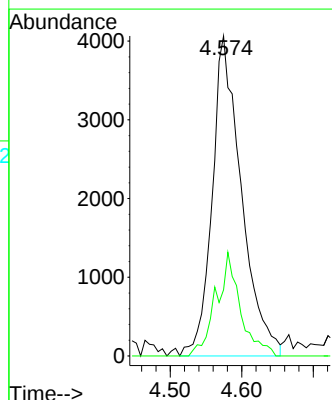
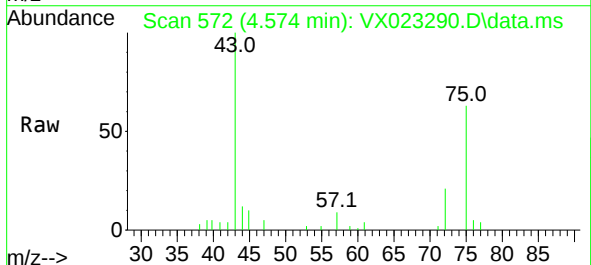


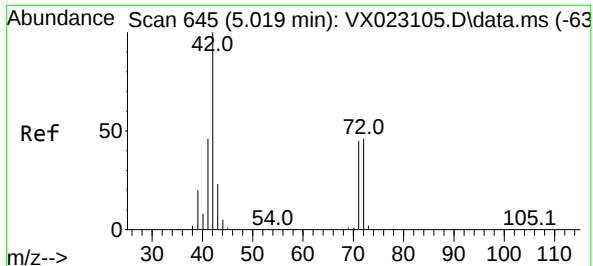
Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.1	88.6	132.8
51	34.3	27.0	40.6
86	70.0	50.3	75.5



#25
2-Butanone
Concen: 6.555 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023290.D
Acq: 14 Jul 2021 19:30

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.6	23.7	35.5#





#29

Tetrahydrofuran

Concen: 2.284 ug/l

RT: 5.026 min Scan# 646

Delta R.T. 0.007 min

Lab File: VX023290.D

Acq: 14 Jul 2021 19:30

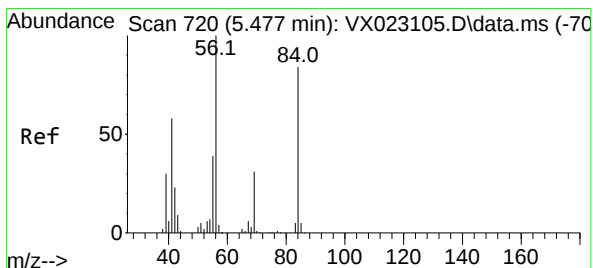
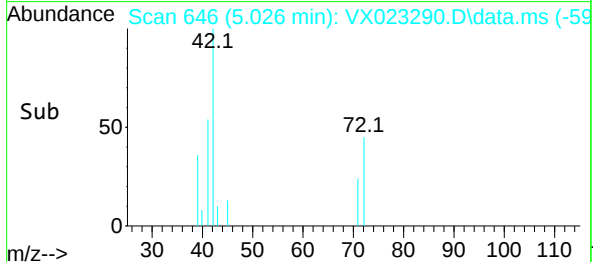
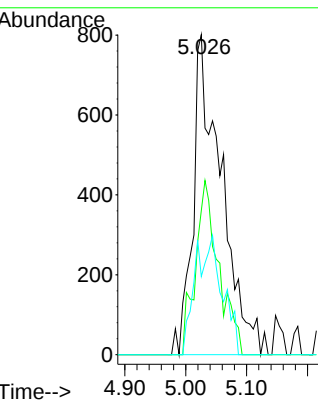
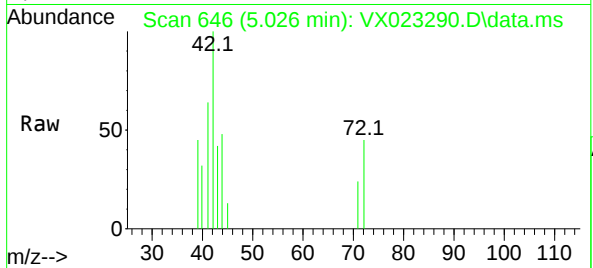
Tgt Ion: 42 Resp: 2583

Ion Ratio Lower Upper

42 100

72 44.7 41.7 62.5

71 12.2 38.4 57.6#



#31

Cyclohexane

Concen: 1.240 ug/l

RT: 5.568 min Scan# 735

Delta R.T. 0.091 min

Lab File: VX023290.D

Acq: 14 Jul 2021 19:30

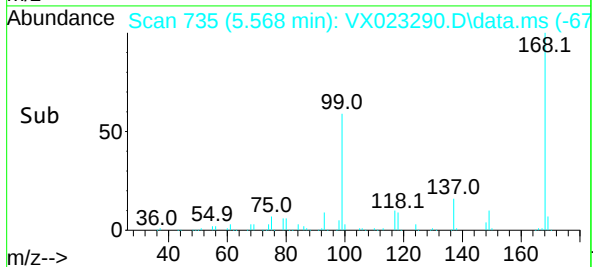
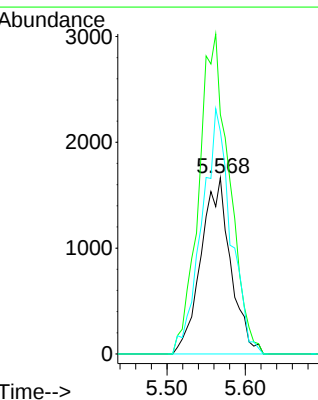
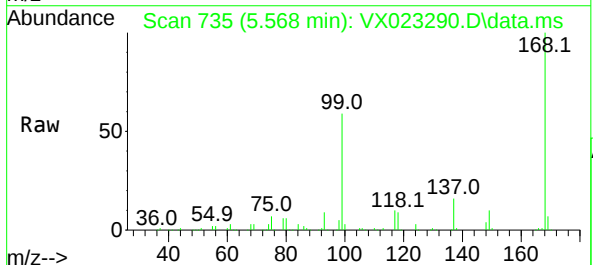
Tgt Ion: 56 Resp: 4379

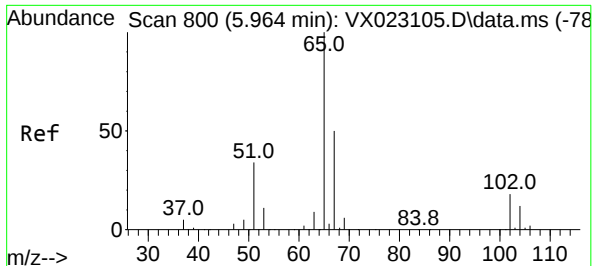
Ion Ratio Lower Upper

56 100

69 136.1 25.3 37.9#

84 126.4 71.4 107.0#

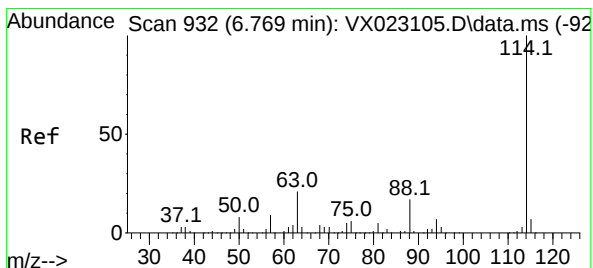
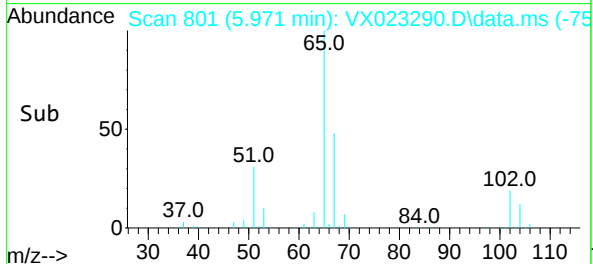
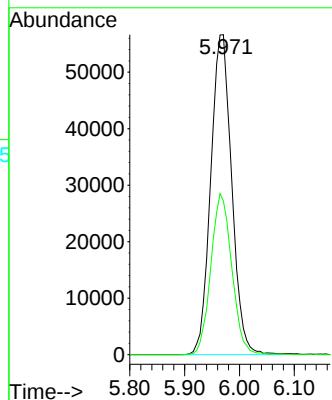
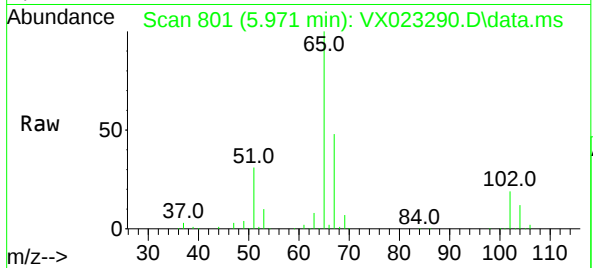




#33
 1,2-Dichloroethane-d4
 Concen: 51.044 ug/l
 RT: 5.971 min Scan# 801
 Delta R.T. 0.007 min
 Lab File: VX023290.D
 Acq: 14 Jul 2021 19:30

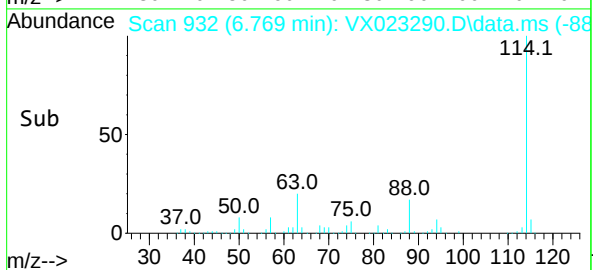
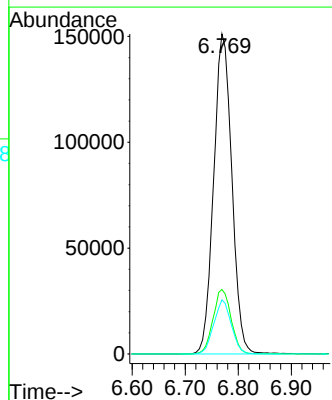
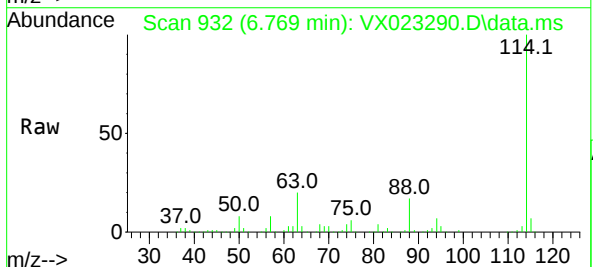
Instrument :
 MSVOA_X
 ClientSampleId :

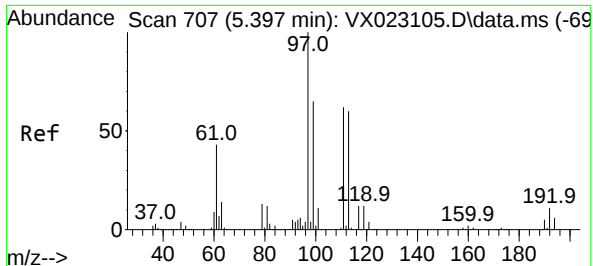
Tgt Ion: 65 Resp: 150500
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX023290.D
 Acq: 14 Jul 2021 19:30

Tgt Ion: 114 Resp: 359792
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.8
 88 16.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.699 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023290.D

Acq: 14 Jul 2021 19:30

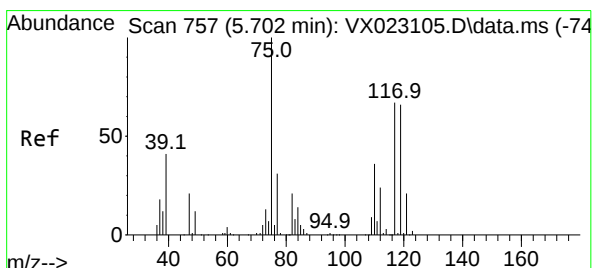
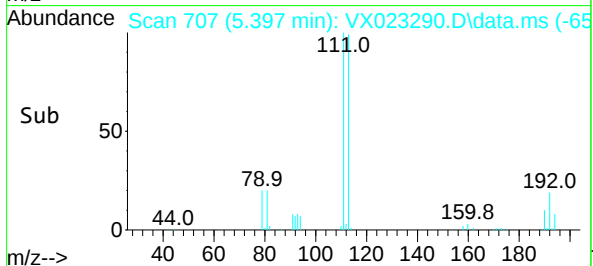
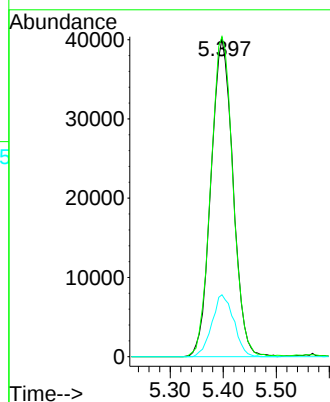
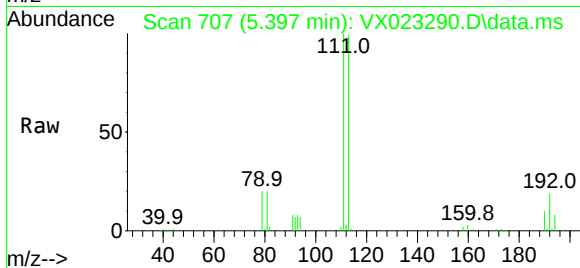
Tgt Ion:113 Resp: 115471

Ion Ratio Lower Upper

113 100

111 101.5 81.9 122.9

192 19.4 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.298 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023290.D

Acq: 14 Jul 2021 19:30

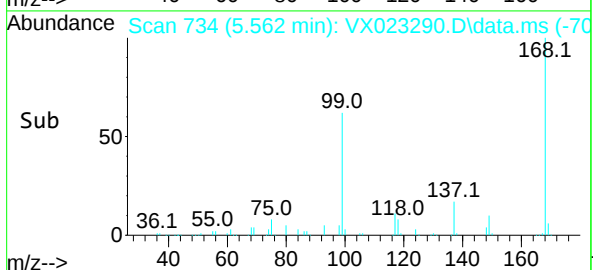
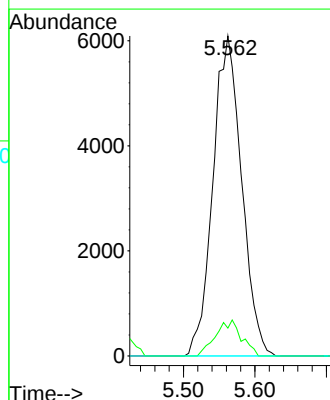
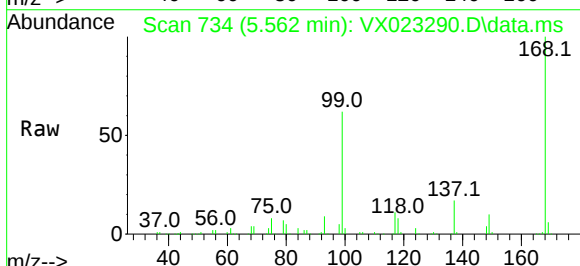
Tgt Ion: 75 Resp: 16994

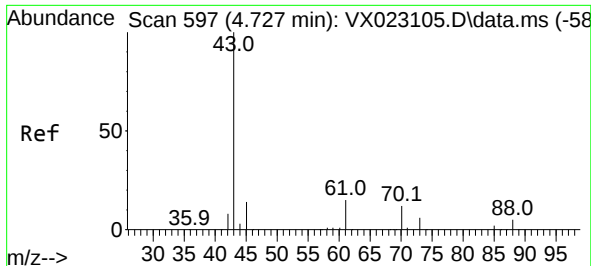
Ion Ratio Lower Upper

75 100

110 10.1 18.1 54.4#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 3.296 ug/l

RT: 4.574 min Scan# 572

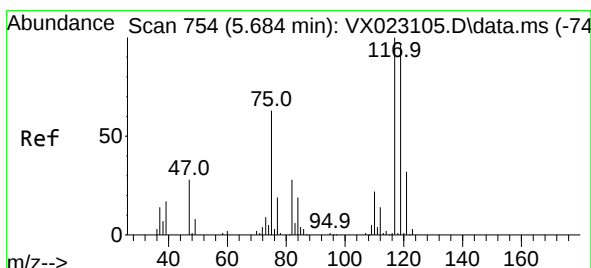
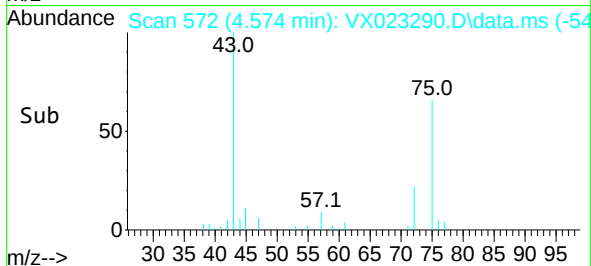
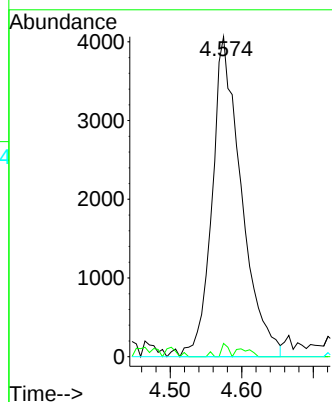
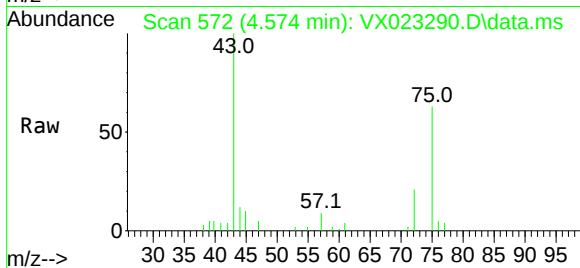
Delta R.T. -0.153 min

Lab File: VX023290.D

Acq: 14 Jul 2021 19:30

Tgt Ion:	43	Resp:	11531
Ion	Ratio	Lower	Upper
43	100		
61	1.1	12.8	19.2#
70	0.0	10.5	15.7#

Instrument :
MSVOA_X
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.887 ug/l

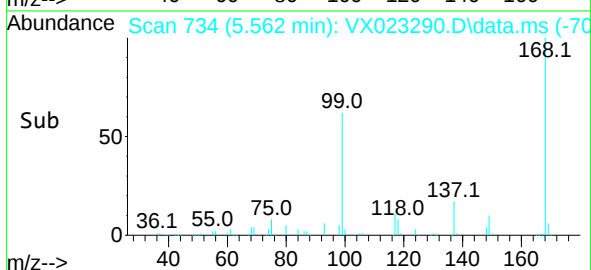
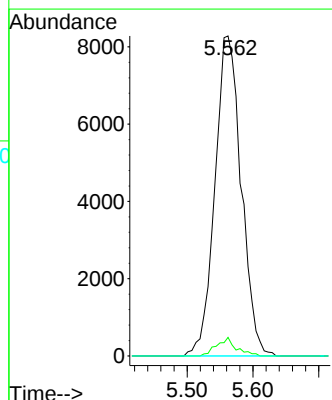
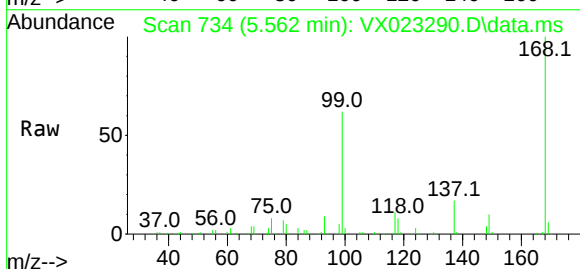
RT: 5.562 min Scan# 734

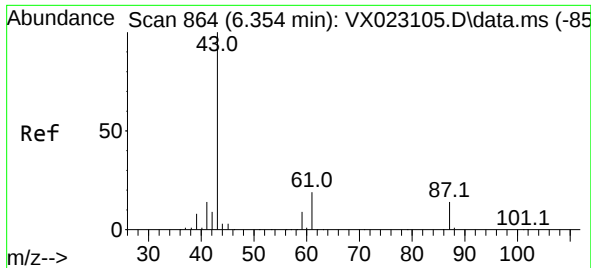
Delta R.T. -0.122 min

Lab File: VX023290.D

Acq: 14 Jul 2021 19:30

Tgt Ion:	117	Resp:	23058
Ion	Ratio	Lower	Upper
117	100		
119	5.8	76.2	114.2#
121	0.0	24.8	37.2#

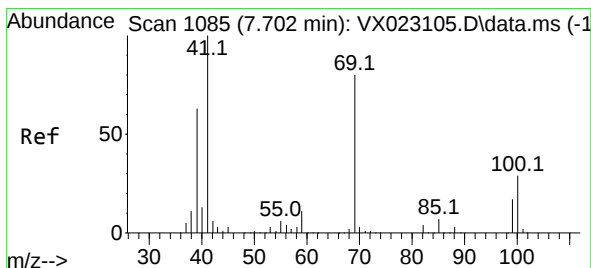
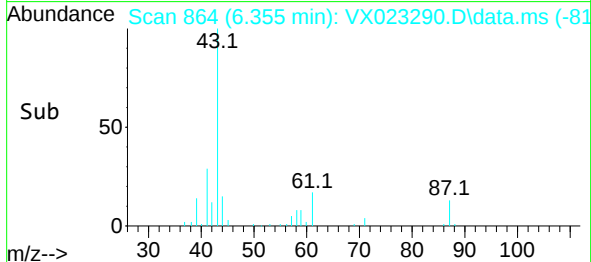
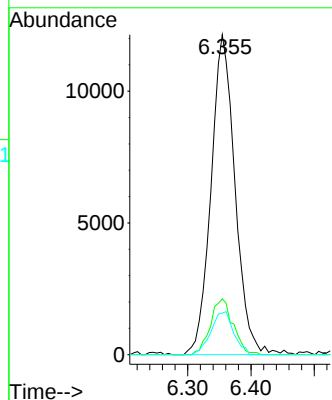
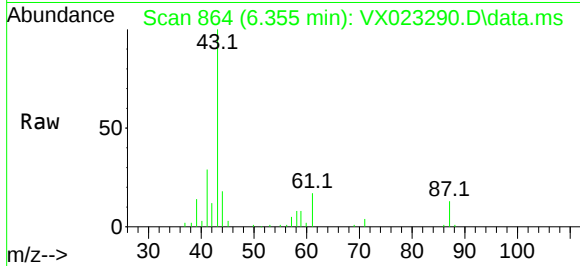




#43
Isopropyl Acetate
Concen: 5.492 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.001 min
Lab File: VX023290.D
Acq: 14 Jul 2021 19:30

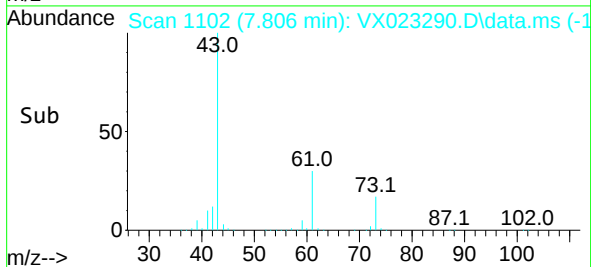
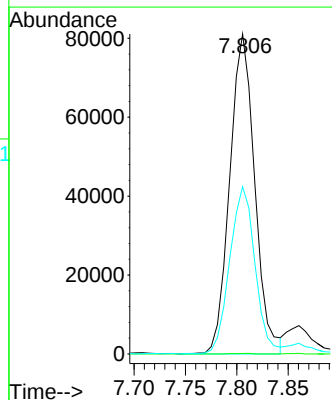
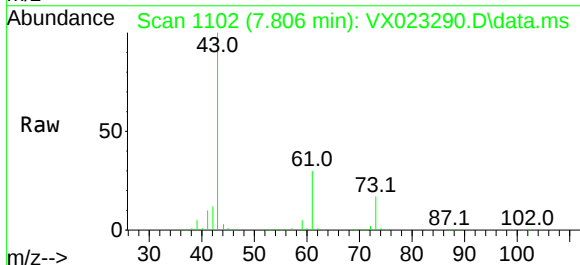
Instrument :
MSVOA_X
ClientSampled :

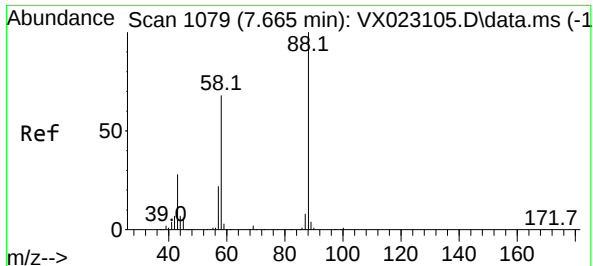
Tgt Ion: 43 Resp: 31965
Ion Ratio Lower Upper
43 100
61 16.6 18.2 27.4#
87 12.7 12.5 18.7



#48
Methyl methacrylate
Concen: 48.137 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.104 min
Lab File: VX023290.D
Acq: 14 Jul 2021 19:30

Tgt Ion: 41 Resp: 137468
Ion Ratio Lower Upper
41 100
69 0.1 76.0 114.0#
39 52.9 44.6 67.0

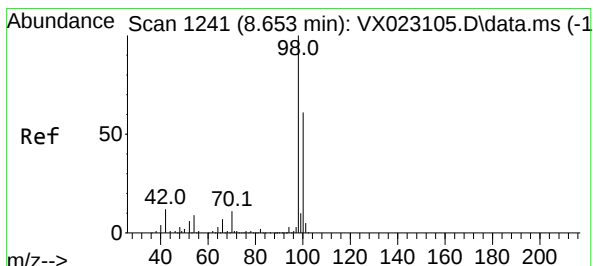
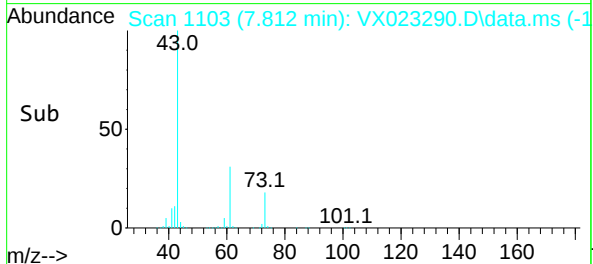
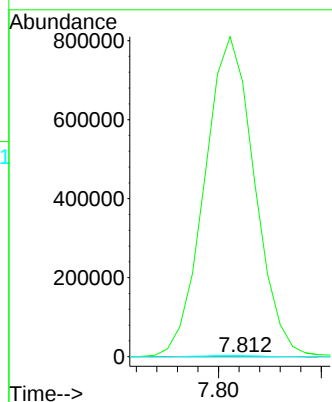
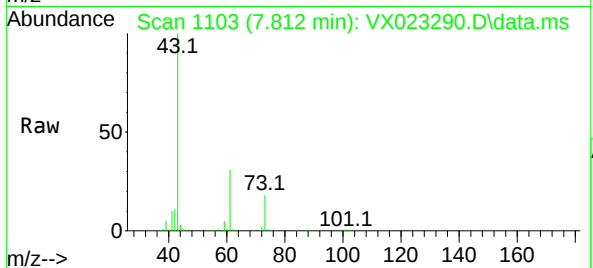




#49
1,4-Dioxane
Concen: 4.419 ug/l
RT: 7.812 min Scan# 1103
Delta R.T. 0.147 min
Lab File: VX023290.D
Acq: 14 Jul 2021 19:30

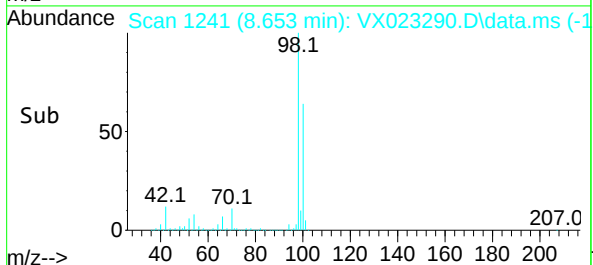
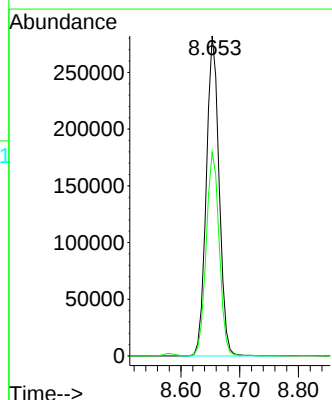
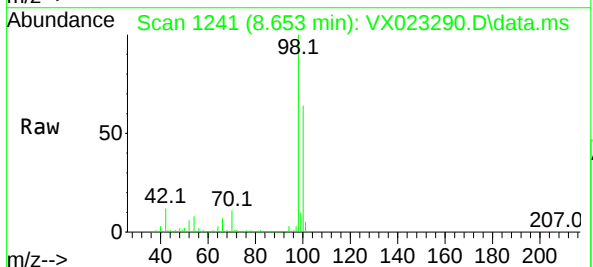
Instrument :
MSVOA_X
ClientSampled :

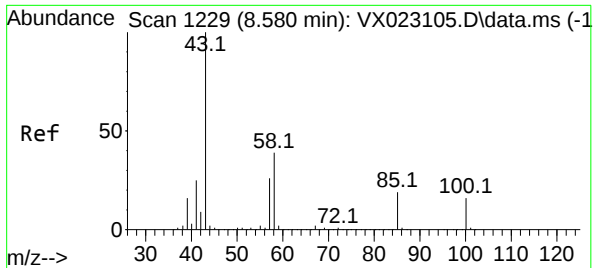
Tgt Ion: 88 Resp: 284
Ion Ratio Lower Upper
88 100
43 484818.0 23.2 34.8#
58 2190.8 55.0 82.4#



#50
Toluene-d8
Concen: 49.355 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX023290.D
Acq: 14 Jul 2021 19:30

Tgt Ion: 98 Resp: 427752
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9

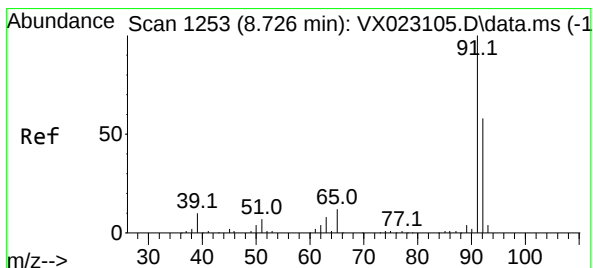
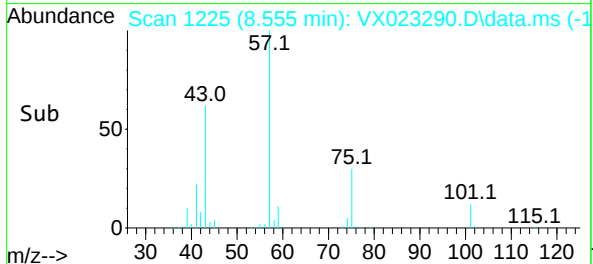
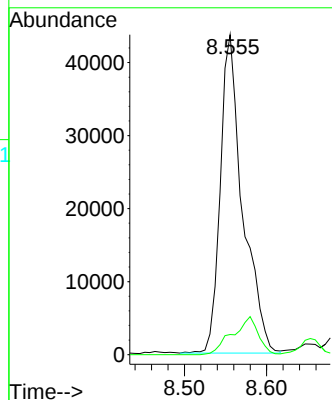
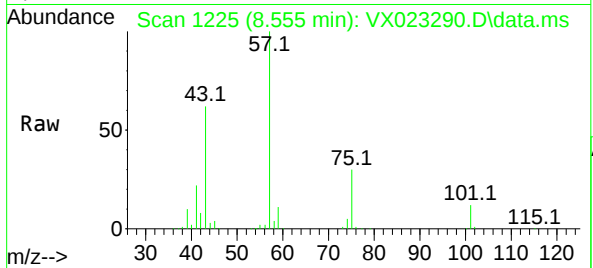




#51
4-Methyl-2-Pentanone
Concen: 22.884 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023290.D
Acq: 14 Jul 2021 19:30

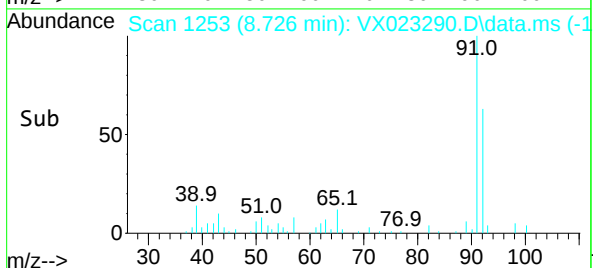
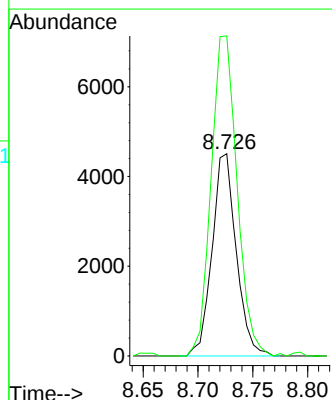
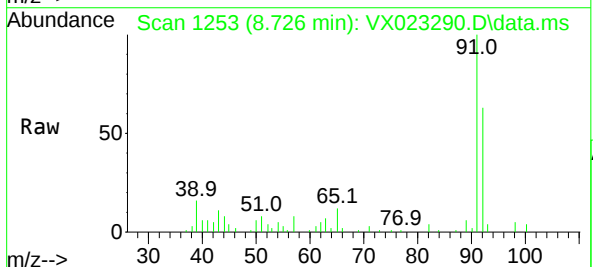
Instrument :
MSVOA_X
ClientSampled :

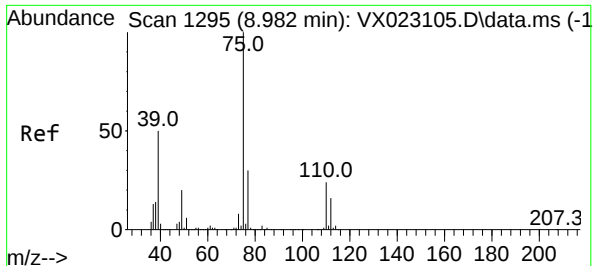
Tgt Ion: 43 Resp: 82530
Ion Ratio Lower Upper
43 100
58 0.0 35.4 53.0#



#52
Toluene
Concen: 1.148 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.000 min
Lab File: VX023290.D
Acq: 14 Jul 2021 19:30

Tgt Ion: 92 Resp: 6918
Ion Ratio Lower Upper
92 100
91 169.7 137.1 205.7

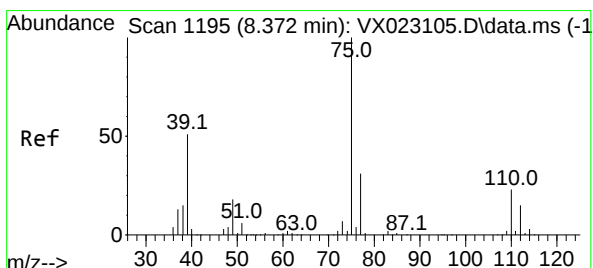
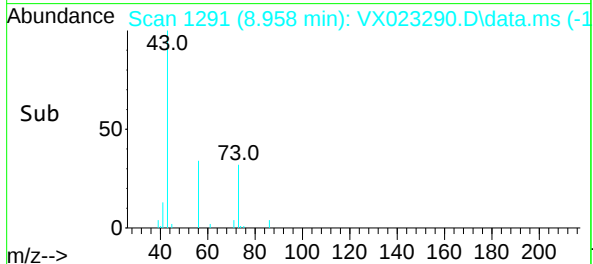
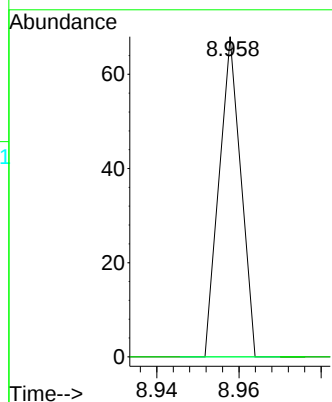
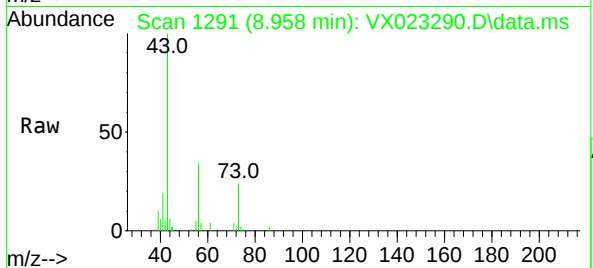




#53
t-1,3-Dichloropropene
Concen: 2.742 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.024 min
Lab File: VX023290.D
Acq: 14 Jul 2021 19:30

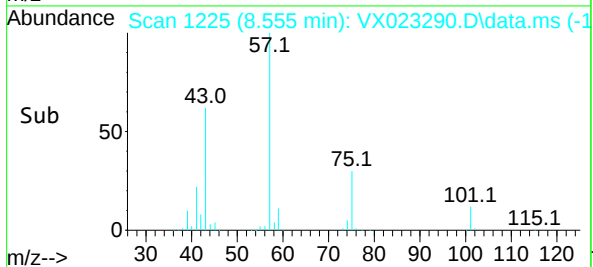
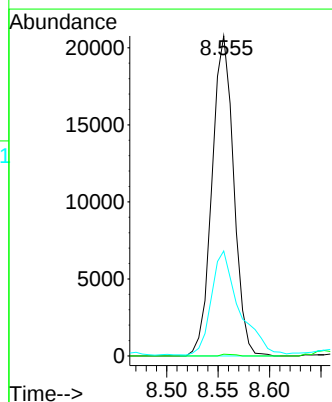
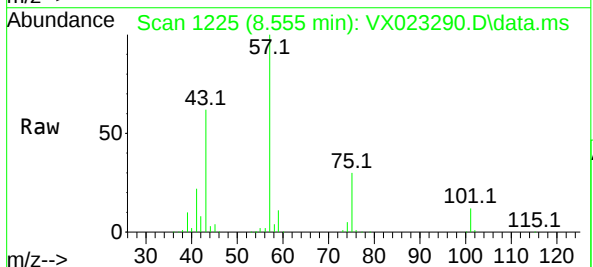
Instrument :
MSVOA_X
ClientSampled :

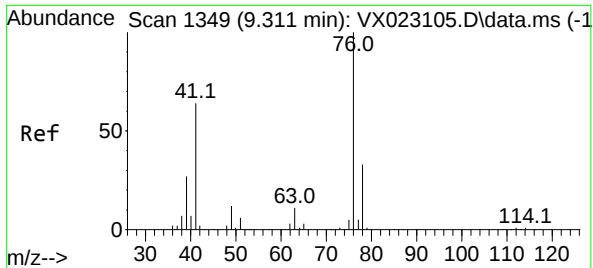
Tgt Ion: 75 Resp: 25
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 9.147 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023290.D
Acq: 14 Jul 2021 19:30

Tgt Ion: 75 Resp: 30419
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 32.4 35.1 52.7#

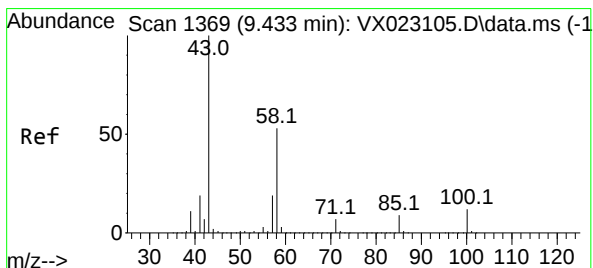
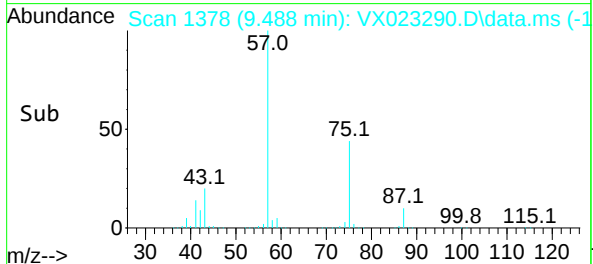
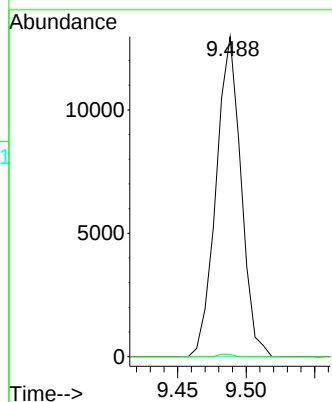
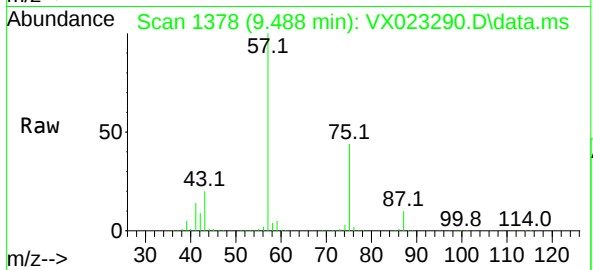




#57
1,3-Dichloropropane
Concen: 3.914 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023290.D
Acq: 14 Jul 2021 19:30

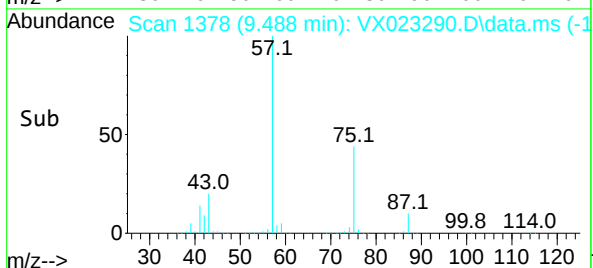
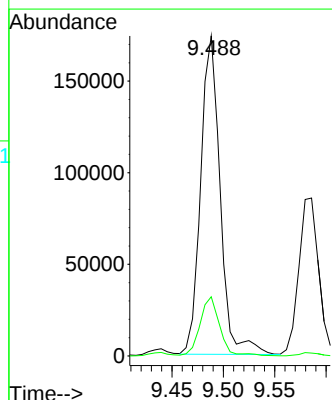
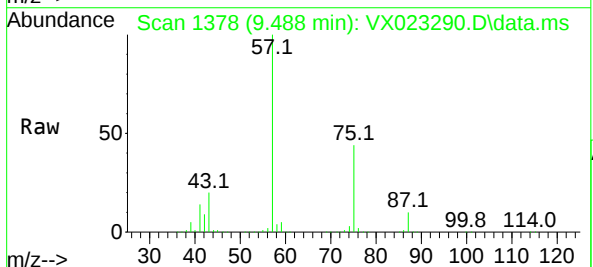
Instrument :
MSVOA_X
ClientSampled :

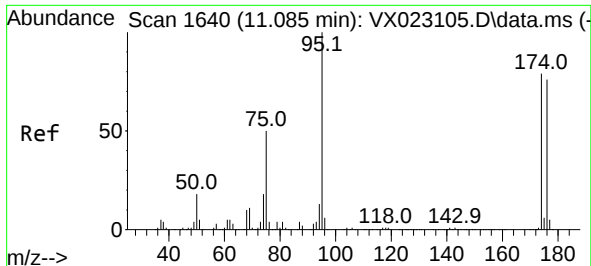
Tgt Ion: 76 Resp: 16374
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.2#



#59
2-Hexanone
Concen: 83.147 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023290.D
Acq: 14 Jul 2021 19:30

Tgt Ion: 43 Resp: 230075
Ion Ratio Lower Upper
43 100
58 18.8 30.9 92.8#

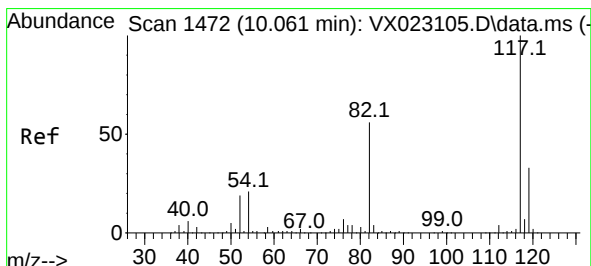
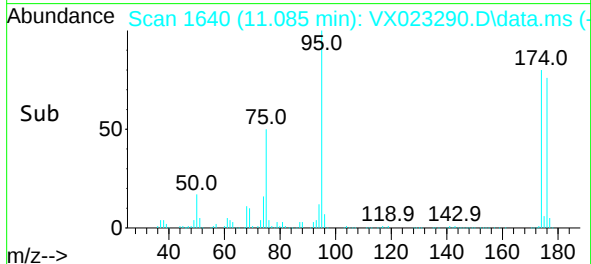
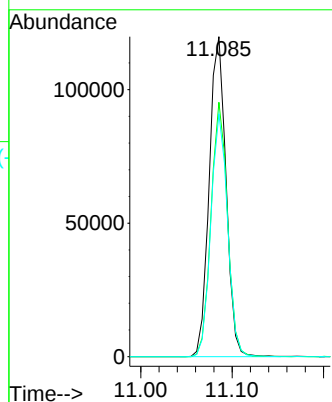
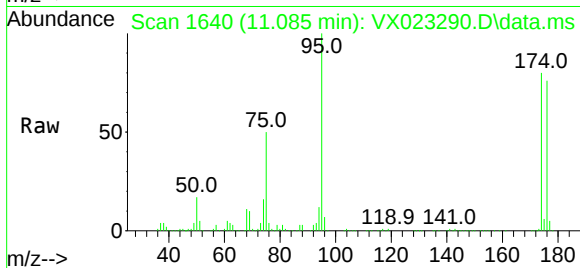




#62
4-Bromofluorobenzene
Concen: 45.589 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023290.D
Acq: 14 Jul 2021 19:30

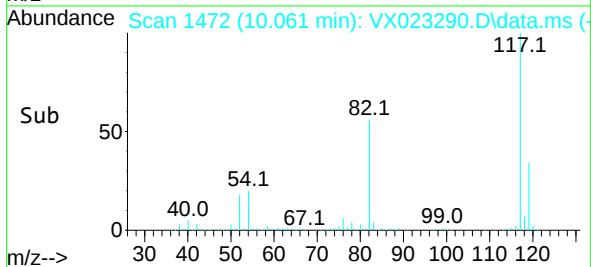
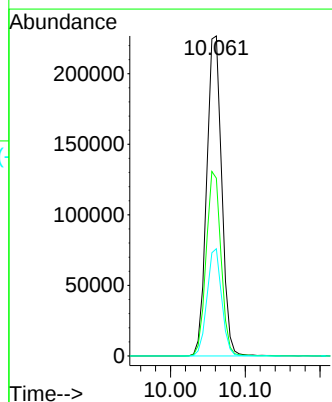
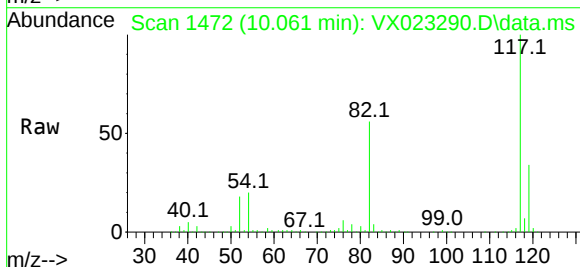
Instrument :
MSVOA_X
ClientSampleId :

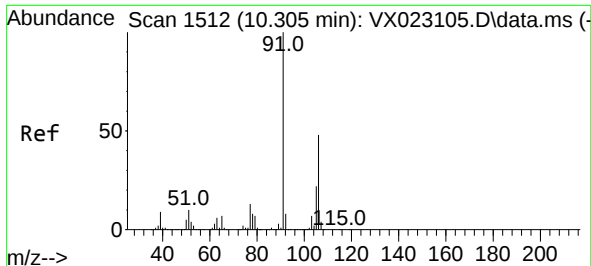
Tgt Ion: 95 Resp: 152534
Ion Ratio Lower Upper
95 100
174 78.1 0.0 154.6
176 75.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX023290.D
Acq: 14 Jul 2021 19:30

Tgt Ion: 117 Resp: 316495
Ion Ratio Lower Upper
117 100
82 55.5 47.4 71.2
119 33.5 26.6 39.8

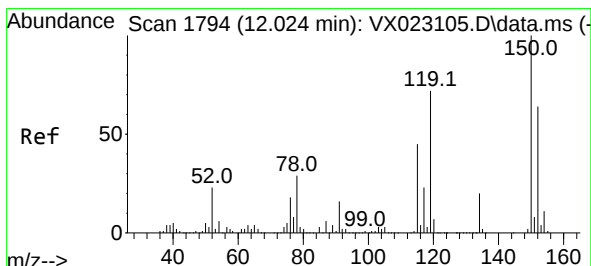
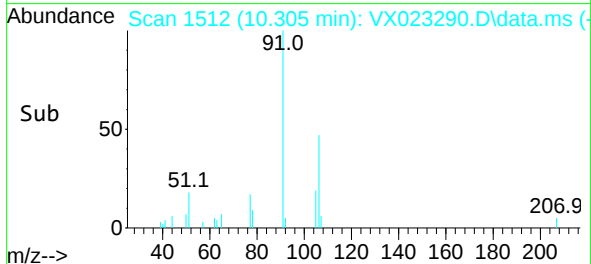
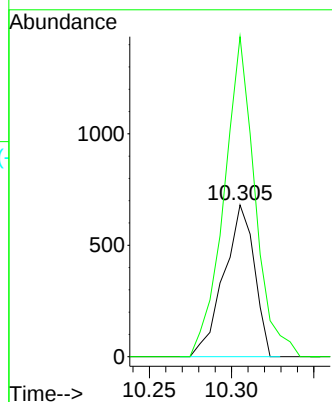
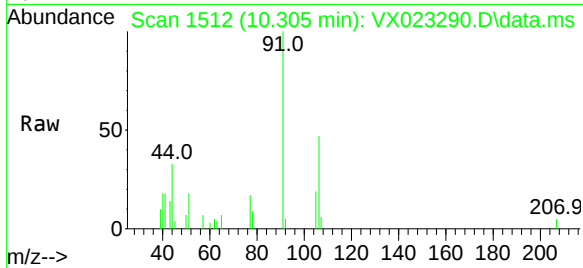




#68
m/p-Xylenes
Concen: 0.208 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX023290.D
Acq: 14 Jul 2021 19:30

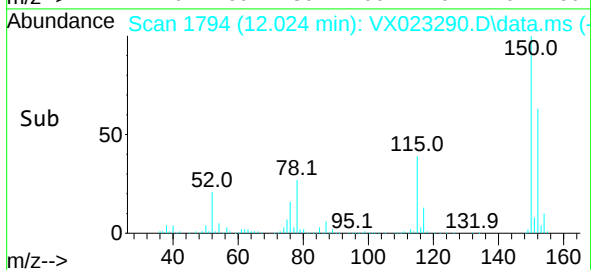
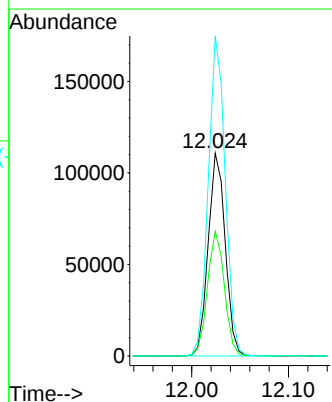
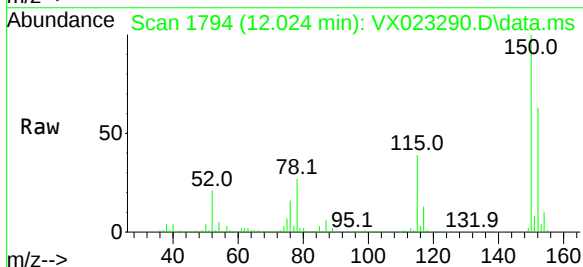
Instrument :
MSVOA_X
ClientSampled :

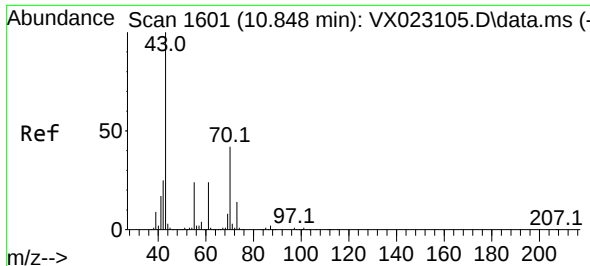
Tgt Ion:106 Resp: 877
Ion Ratio Lower Upper
106 100
91 214.7 162.8 244.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023290.D
Acq: 14 Jul 2021 19:30

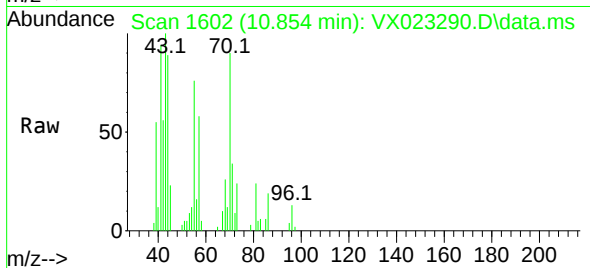
Tgt Ion:152 Resp: 136409
Ion Ratio Lower Upper
152 100
115 61.1 41.1 123.3
150 156.2 0.0 349.0



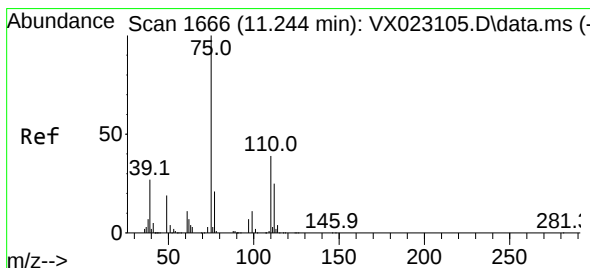
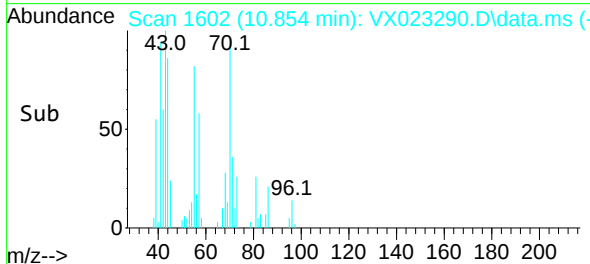
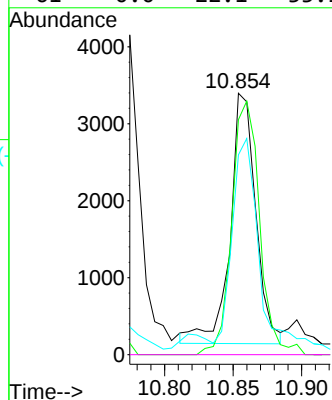


#74
N-amy1 acetate
Concen: 1.042 ug/l
RT: 10.854 min Scan# 1602
Delta R.T. 0.006 min
Lab File: VX023290.D
Acq: 14 Jul 2021 19:30

Instrument :
MSVOA_X
ClientSampleId :

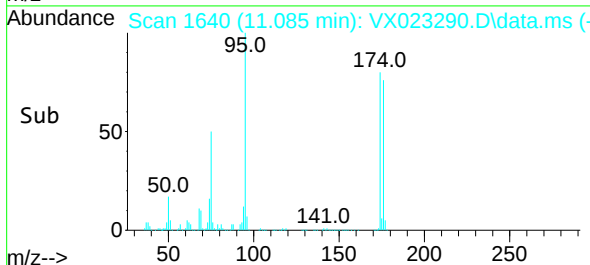
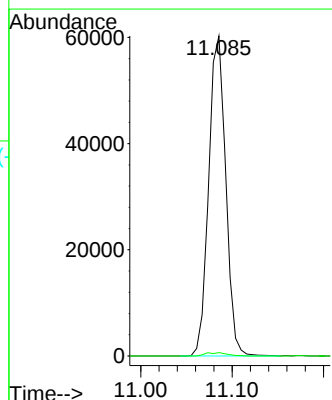
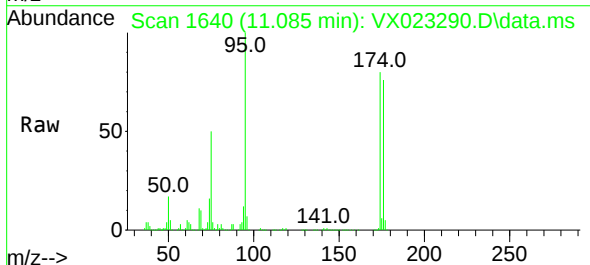


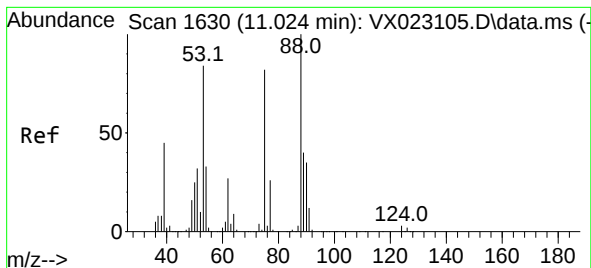
Tgt Ion: 43	Resp: 4248
Ion Ratio	Lower Upper
43 100	
70 109.8	39.0 58.6#
55 96.0	21.5 32.3#
61 0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 28.391 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023290.D
Acq: 14 Jul 2021 19:30

Tgt Ion: 75	Resp: 77934
Ion Ratio	Lower Upper
75 100	
77 1.3	19.1 57.5#

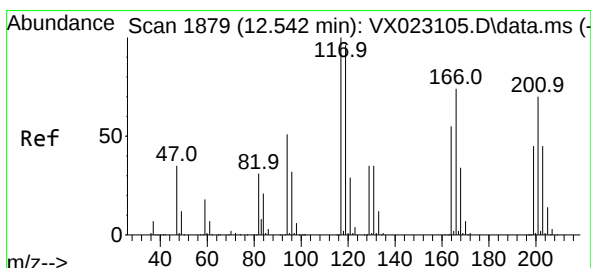
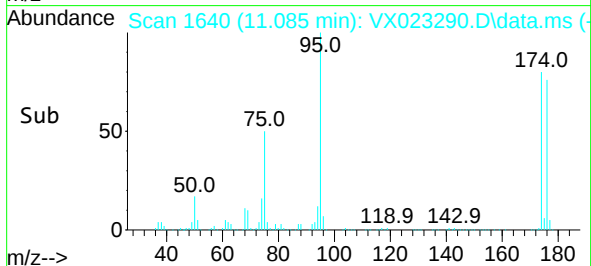
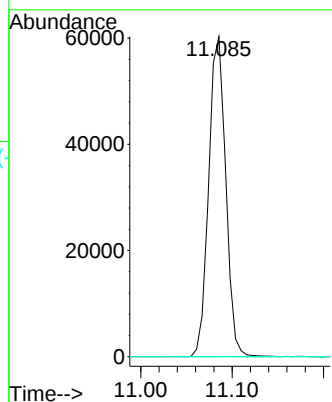
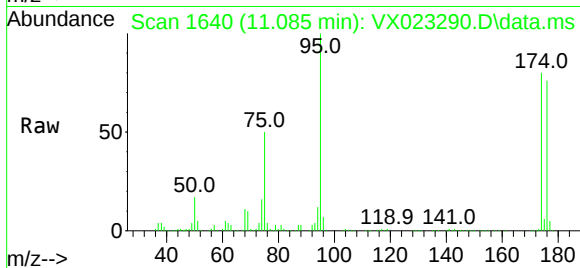




#81
trans-1,4-Dichloro-2-butene
Concen: 76.486 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023290.D
Acq: 14 Jul 2021 19:30

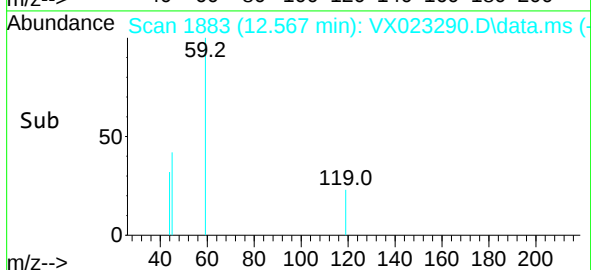
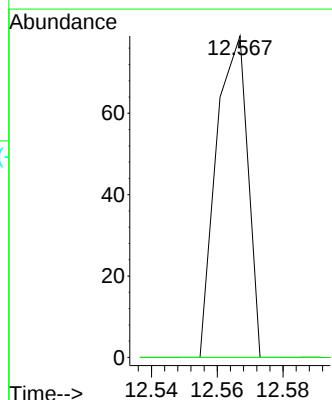
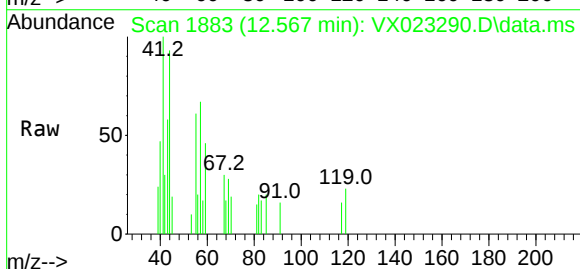
Instrument :
MSVOA_X
ClientSampled :

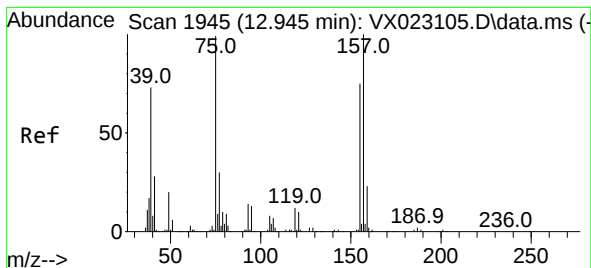
Tgt Ion: 75 Resp: 77934
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#90
Hexachloroethane
Concen: 3.029 ug/l
RT: 12.567 min Scan# 1883
Delta R.T. 0.025 min
Lab File: VX023290.D
Acq: 14 Jul 2021 19:30

Tgt Ion: 117 Resp: 52
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#

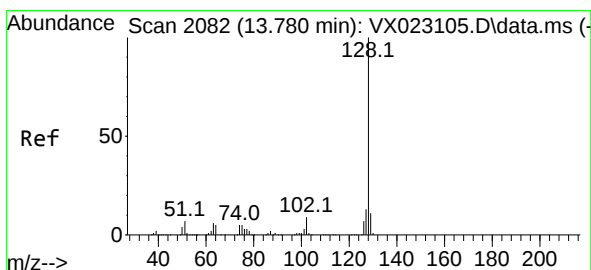
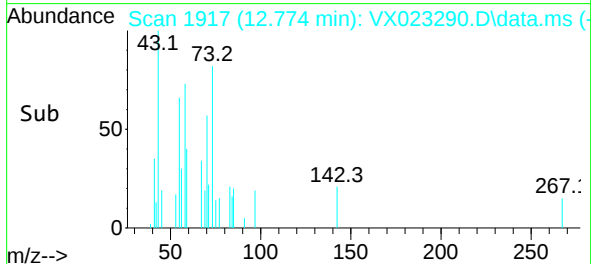
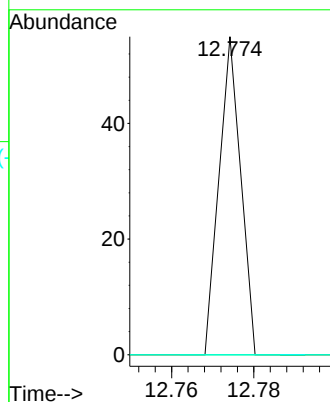
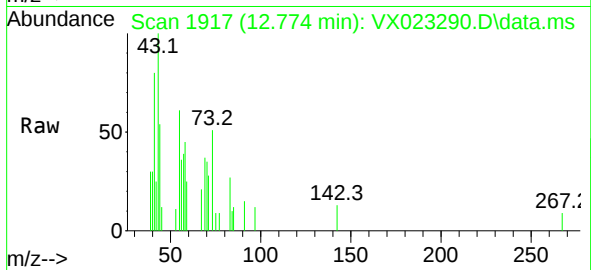




#92
1,2-Dibromo-3-Chloropropane
Concen: 2.596 ug/l
RT: 12.774 min Scan# 1917
Delta R.T. -0.171 min
Lab File: VX023290.D
Acq: 14 Jul 2021 19:30

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
155 0.0 45.3 135.9#
157 0.0 57.7 173.1#



#95
Naphthalene
Concen: 1.494 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023290.D
Acq: 14 Jul 2021 19:30

Tgt Ion: 128 Resp: 2281
Ion Ratio Lower Upper
128 100
127 14.4 10.3 15.5
129 15.6 8.8 13.2#

