

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050224\
 Data File : VX041353.D
 Acq On : 02 May 2024 15:00
 Operator : JC/MD
 Sample : PB160645ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 03 01:39:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 02:38:17 2024
 Response via : Initial Calibration

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

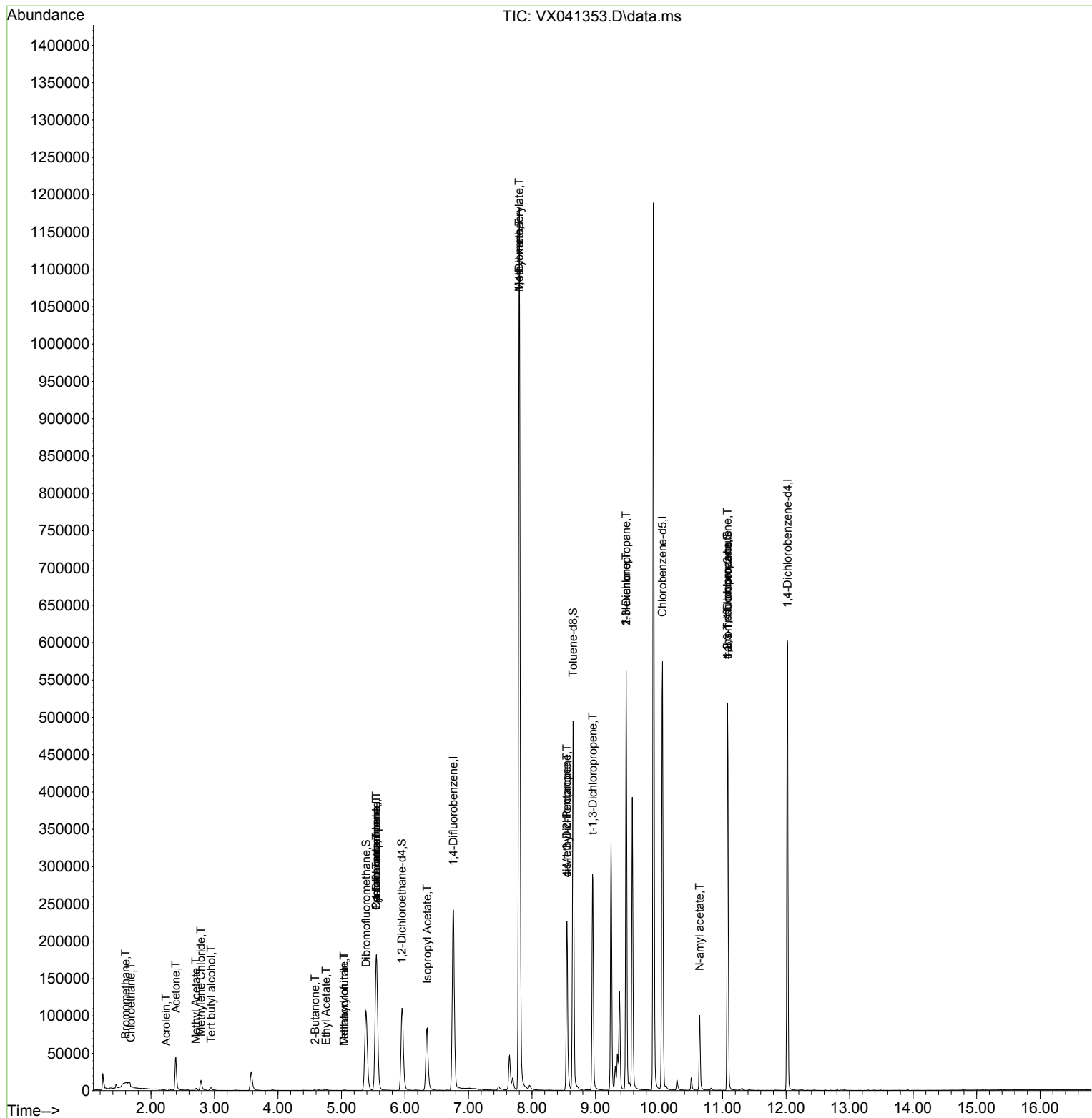
Internal Standards						
1) Pentafluorobenzene	5.550	168	197130	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	260068	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	269831	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	141047	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	110735	51.600	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.200%	
35) Dibromofluoromethane	5.385	113	91908	52.149	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.300%	
50) Toluene-d8	8.647	98	283082	50.748	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.500%	
62) 4-Bromofluorobenzene	11.079	95	127199	58.906	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 117.820%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	379	0.378	ug/l	# 77
6) Chloroethane	1.685	64	444	0.598	ug/l	# 67
11) Tert butyl alcohol	2.947	59	3223	7.503	ug/l	# 78
13) Acrolein	2.239	56	78	0.229	ug/l	# 14
16) Acetone	2.392	43	53466	53.501	ug/l	94
18) Methyl Acetate	2.709	43	3666	1.670	ug/l	97
20) Methylene Chloride	2.788	84	7243	3.888	ug/l	91
25) 2-Butanone	4.587	43	3581	2.578	ug/l	96
29) Tetrahydrofuran	5.044	42	530	0.583	ug/l	# 66
31) Cyclohexane	5.550	56	3237	1.250	ug/l	# 2
36) 1,1-Dichloropropene	5.550	75	12070	5.727	ug/l	# 51
37) Ethyl Acetate	4.757	43	2311	0.879	ug/l	# 73
38) Carbon Tetrachloride	5.550	117	16866	6.986	ug/l	# 16
41) Methacrylonitrile	5.044	41	273	0.202	ug/l	# 33
43) Isopropyl Acetate	6.348	43	117080	29.614	ug/l	98
48) Methyl methacrylate	7.799	41	107865	59.516	ug/l	# 48
49) 1,4-Dioxane	7.799	88	156	3.981	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	81993	34.562	ug/l	# 50
53) t-1,3-Dichloropropene	8.958	75	656	0.322	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	36781	16.248	ug/l	# 58
57) 1,3-Dichloropropane	9.482	76	4860	1.903	ug/l	# 42
59) 2-Hexanone	9.482	43	68313	36.011	ug/l	# 52
74) N-amyl acetate	10.640	43	25539	6.790	ug/l	# 52
76) 1,2,3-Trichloropropane	11.079	75	63340	27.556	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	63340	75.058	ug/l	# 5

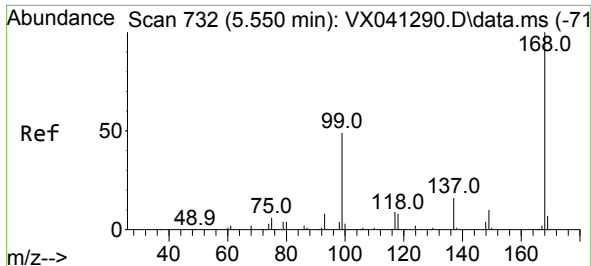
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 03 01:39:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

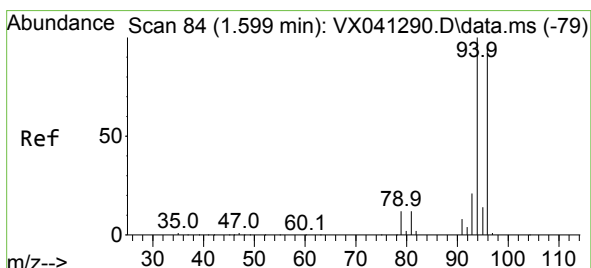
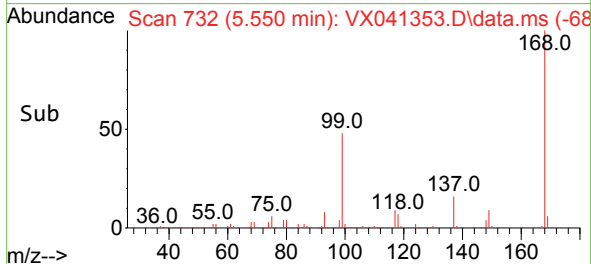
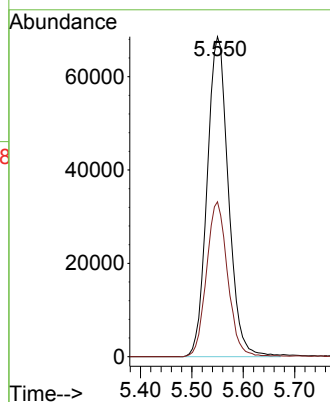
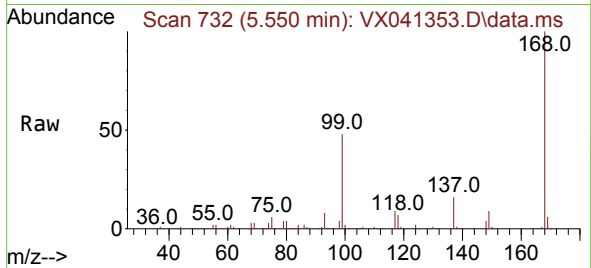




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041353.D
Acq: 02 May 2024 15:00

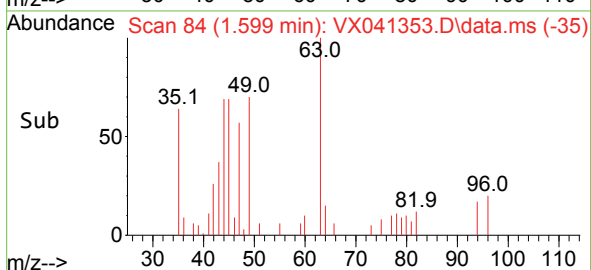
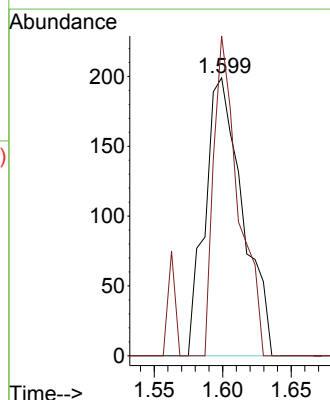
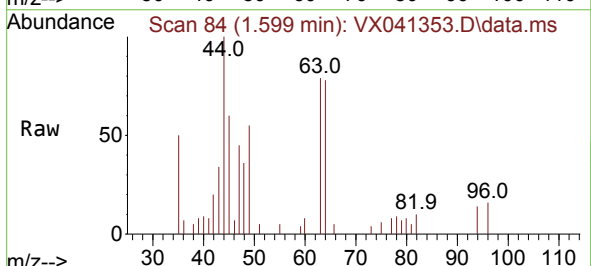
Instrument :
MSVOA_X
ClientSampleId :

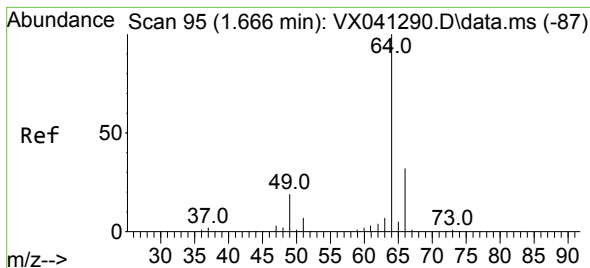
Tgt Ion:168 Resp: 197130
Ion Ratio Lower Upper
168 100
99 48.4 56.6 85.0#



#5
Bromomethane
Concen: 0.378 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041353.D
Acq: 02 May 2024 15:00

Tgt Ion: 94 Resp: 379
Ion Ratio Lower Upper
94 100
96 115.1 74.6 111.8#





#6

Chloroethane

Concen: 0.598 ug/l

RT: 1.685 min Scan# 91

Delta R.T. 0.018 min

Lab File: VX041353.D

Acq: 02 May 2024 15:00

Instrument :

MSVOA_X

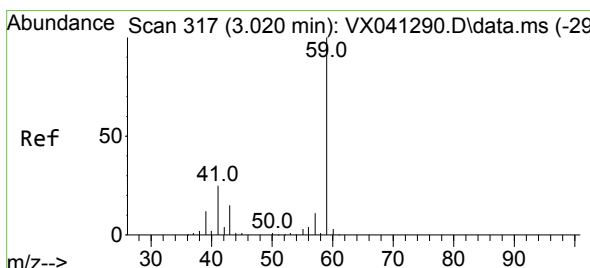
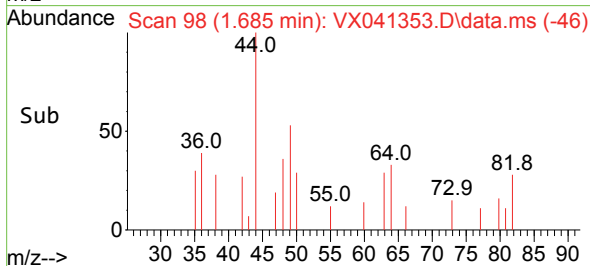
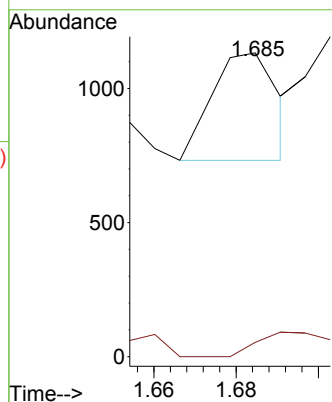
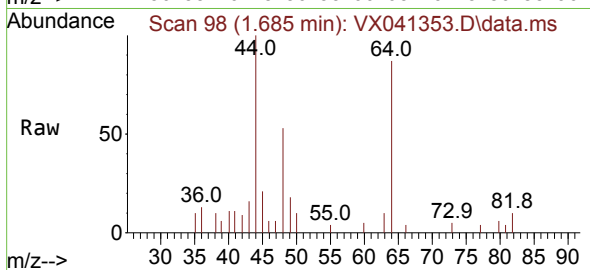
ClientSampleId :

Tgt Ion: 64 Resp: 444

Ion Ratio Lower Upper

64 100

66 13.2 25.1 37.7#



#11

Tert butyl alcohol

Concen: 7.503 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.073 min

Lab File: VX041353.D

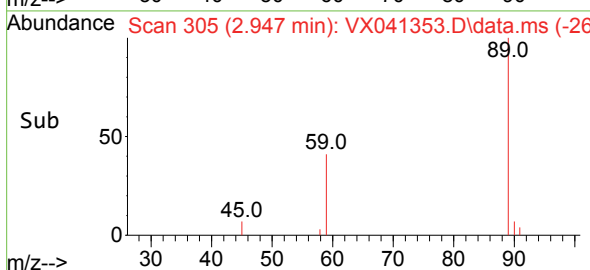
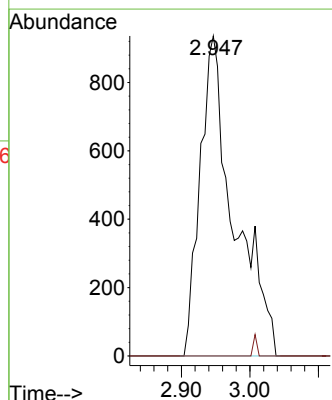
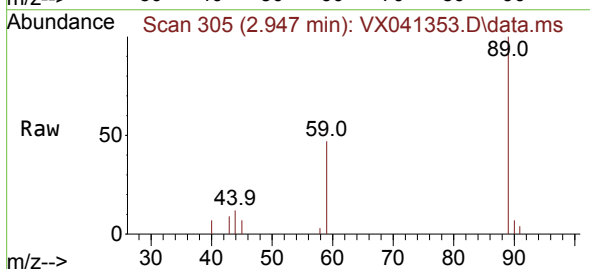
Acq: 02 May 2024 15:00

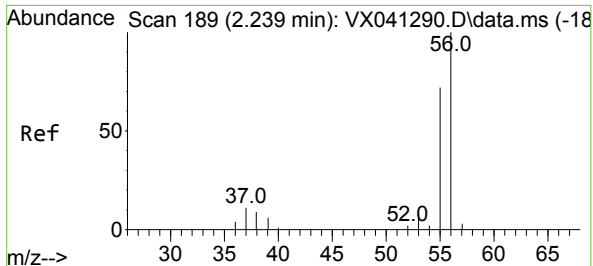
Tgt Ion: 59 Resp: 3223

Ion Ratio Lower Upper

59 100

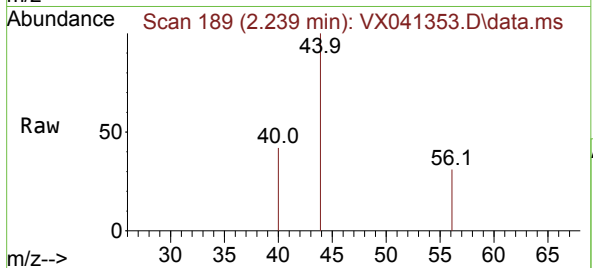
57 0.0 6.0 9.0#



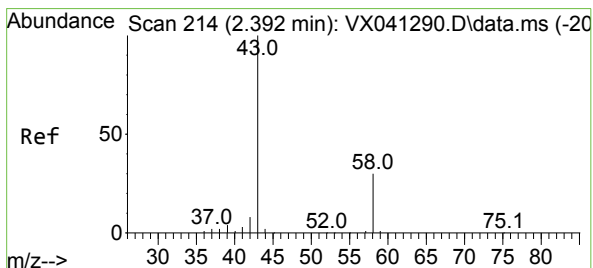
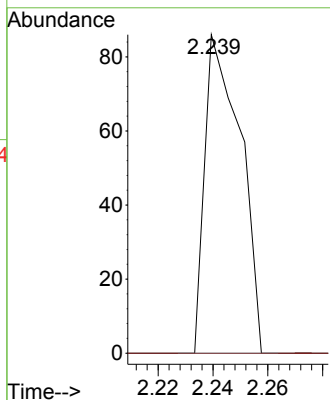
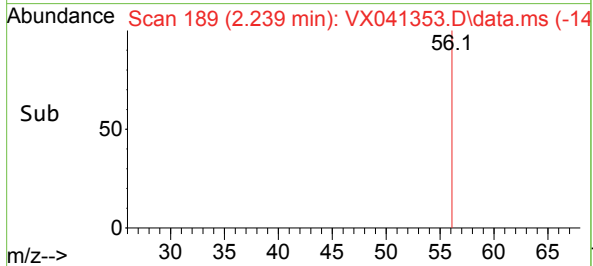


#13
Acrolein
Concen: 0.229 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX041353.D
Acq: 02 May 2024 15:00

Instrument :
MSVOA_X
ClientSampleId :

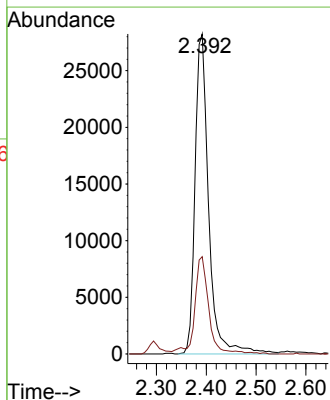
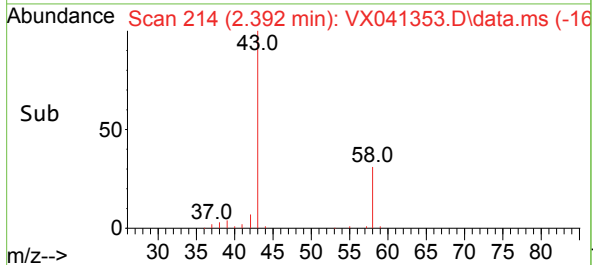
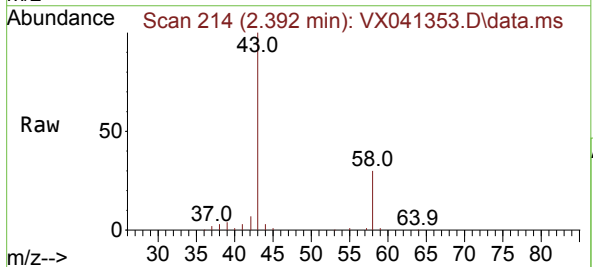


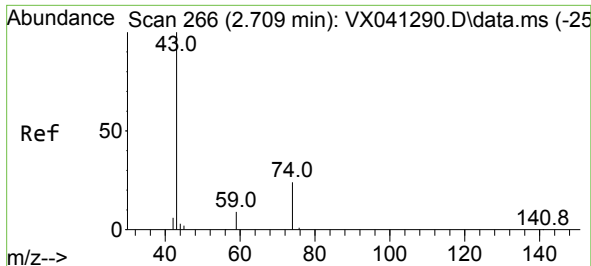
Tgt Ion: 56 Resp: 78
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 53.501 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX041353.D
Acq: 02 May 2024 15:00

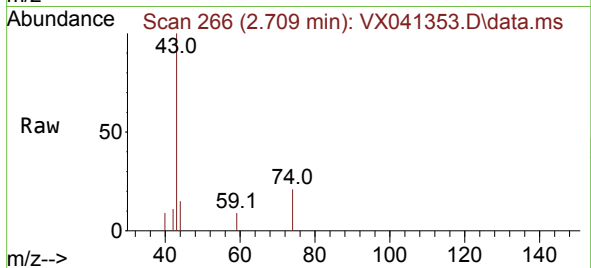
Tgt Ion: 43 Resp: 53466
Ion Ratio Lower Upper
43 100
58 30.4 21.9 32.9



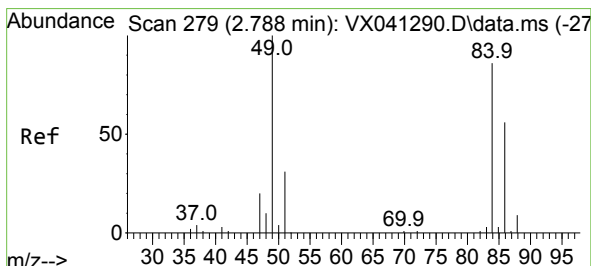
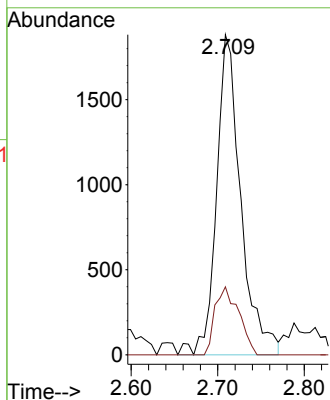
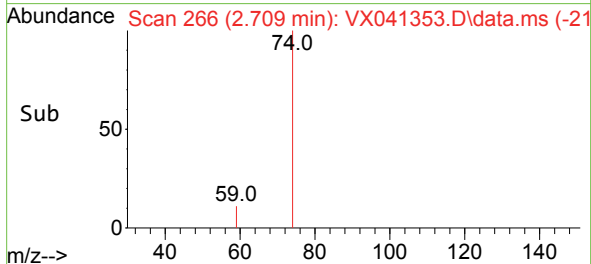


#18
Methyl Acetate
Concen: 1.670 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX041353.D
Acq: 02 May 2024 15:00

Instrument :
MSVOA_X
ClientSampleId :

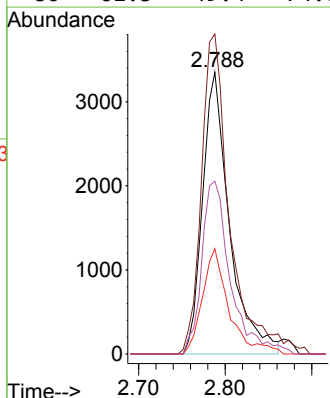
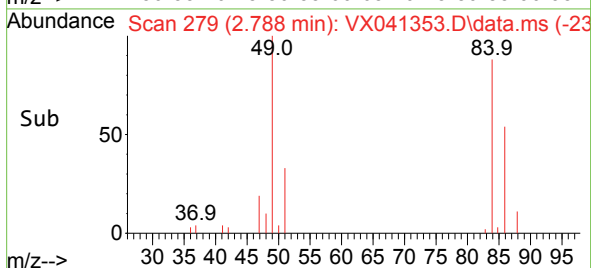
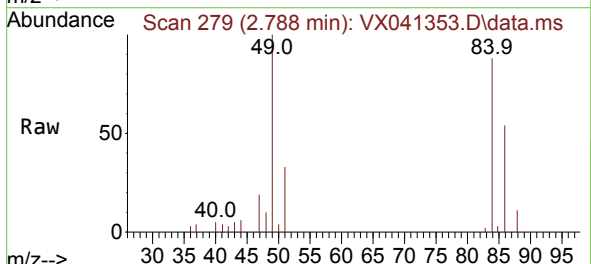


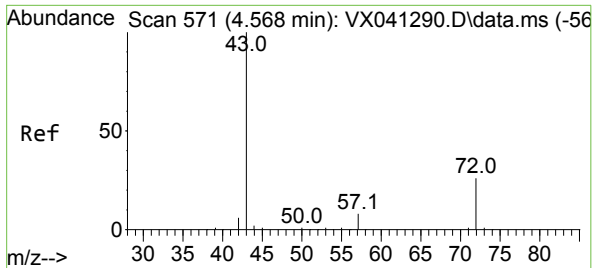
Tgt Ion: 43 Resp: 3666
Ion Ratio Lower Upper
43 100
74 20.8 17.8 26.8



#20
Methylene Chloride
Concen: 3.888 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX041353.D
Acq: 02 May 2024 15:00

Tgt Ion: 84 Resp: 7243
Ion Ratio Lower Upper
84 100
49 113.6 103.6 155.4
51 37.4 33.8 50.6
86 61.3 49.4 74.0

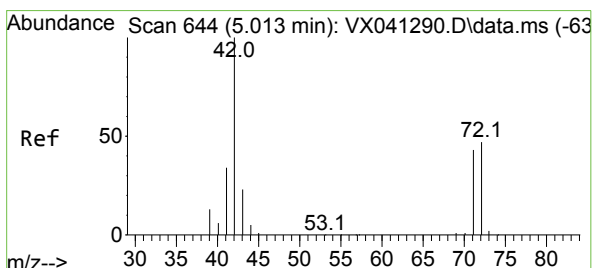
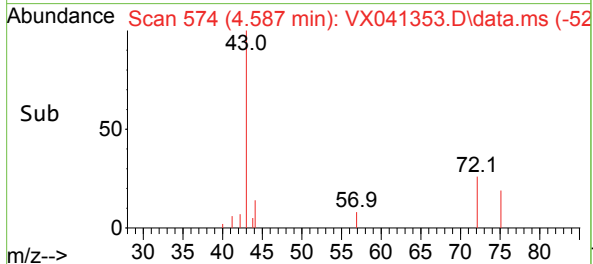
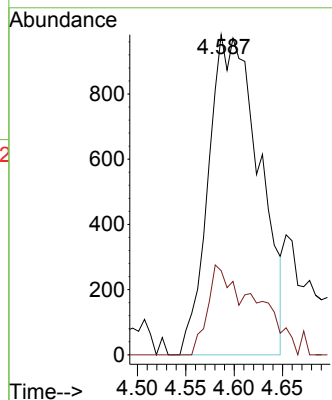
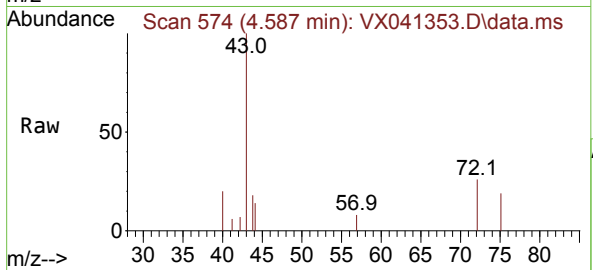




#25
2-Butanone
Concen: 2.578 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX041353.D
Acq: 02 May 2024 15:00

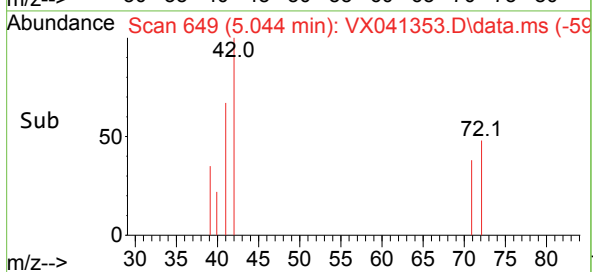
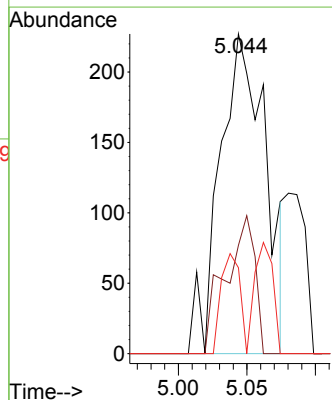
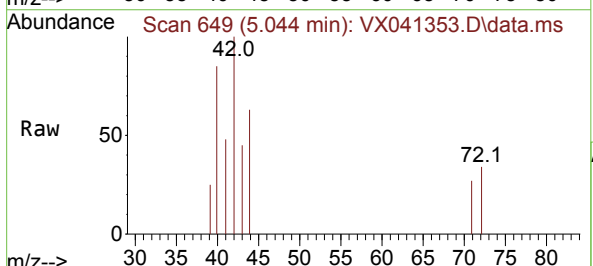
Instrument :
MSVOA_X
ClientSampleId :

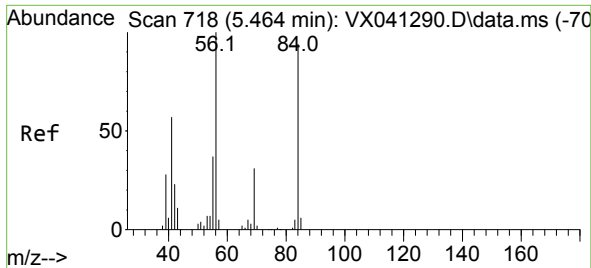
Tgt Ion: 43 Resp: 3581
Ion Ratio Lower Upper
43 100
72 26.3 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.583 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.031 min
Lab File: VX041353.D
Acq: 02 May 2024 15:00

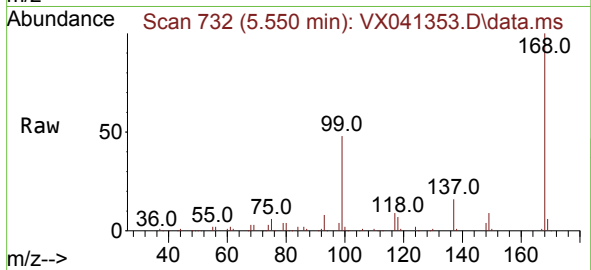
Tgt Ion: 42 Resp: 530
Ion Ratio Lower Upper
42 100
72 27.7 34.2 51.4#
71 12.8 32.2 48.2#



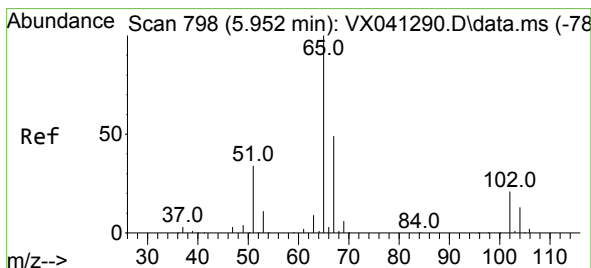
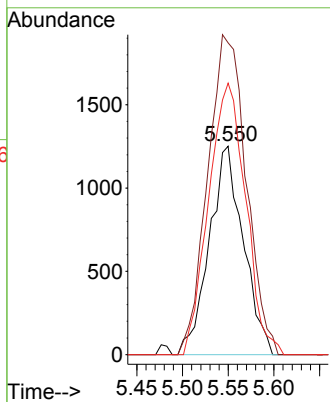
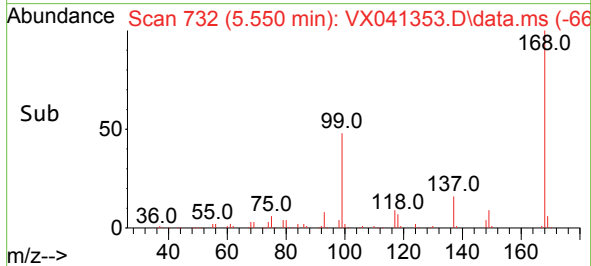


#31
Cyclohexane
Concen: 1.250 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX041353.D
Acq: 02 May 2024 15:00

Instrument :
MSVOA_X
ClientSampleId :

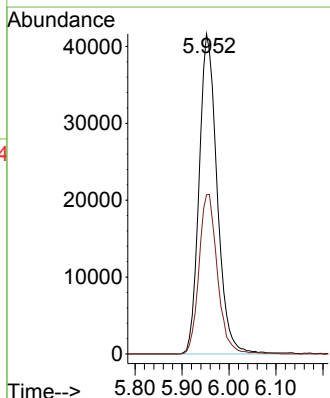
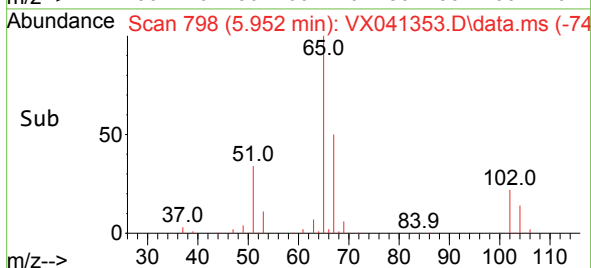
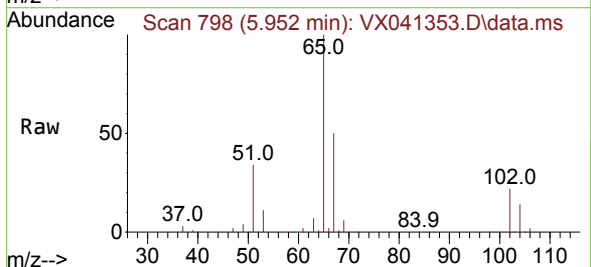


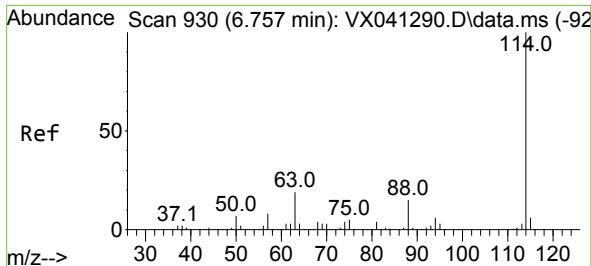
Tgt Ion: 56 Resp: 3237
Ion Ratio Lower Upper
56 100
69 149.6 23.4 35.2#
84 130.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 51.600 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX041353.D
Acq: 02 May 2024 15:00

Tgt Ion: 65 Resp: 110735
Ion Ratio Lower Upper
65 100
67 51.1 0.0 100.2

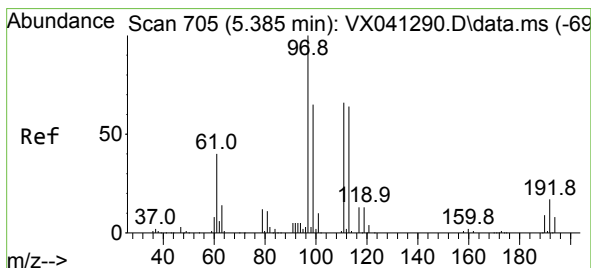
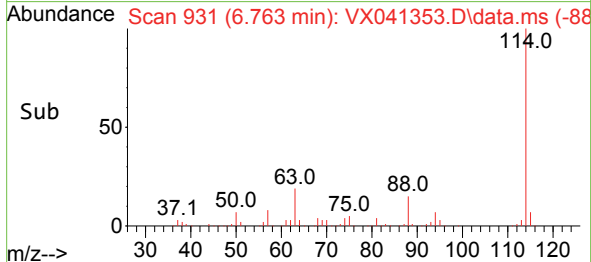
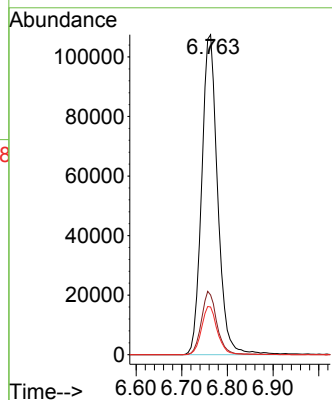
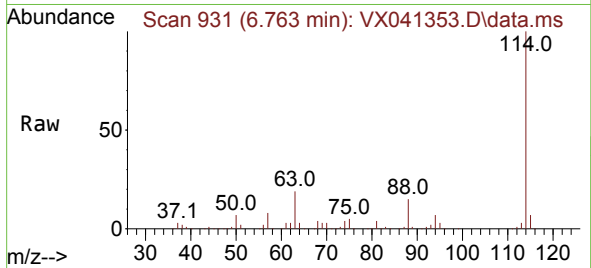




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX041353.D
Acq: 02 May 2024 15:00

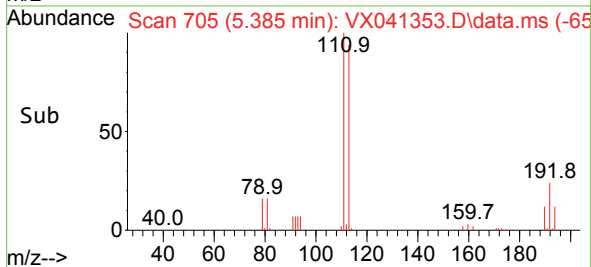
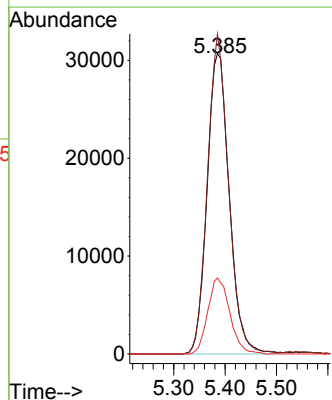
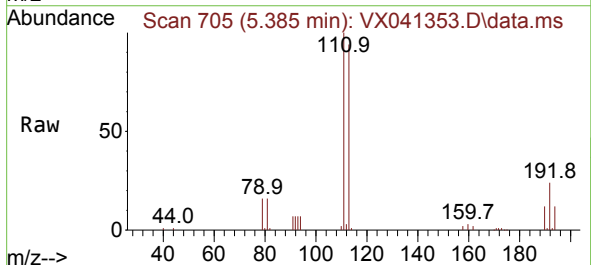
Instrument :
MSVOA_X
ClientSampleId :

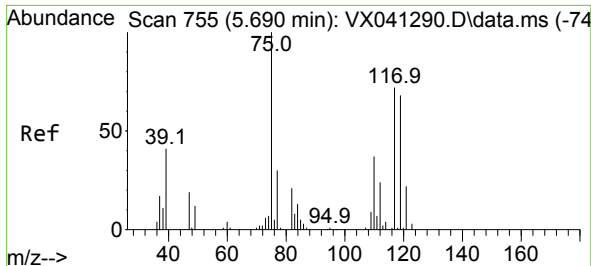
Tgt Ion:114 Resp: 260068
Ion Ratio Lower Upper
114 100
63 18.7 0.0 45.0
88 14.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 52.149 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041353.D
Acq: 02 May 2024 15:00

Tgt Ion:113 Resp: 91908
Ion Ratio Lower Upper
113 100
111 101.5 82.9 124.3
192 25.1 13.3 19.9#

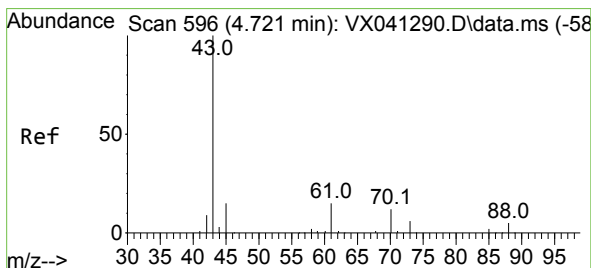
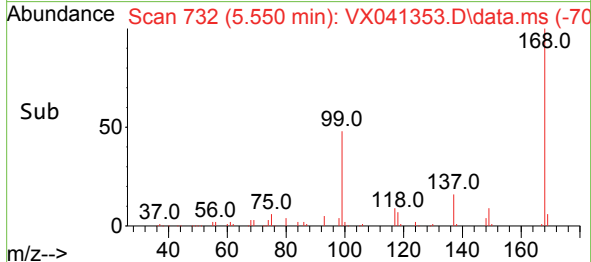
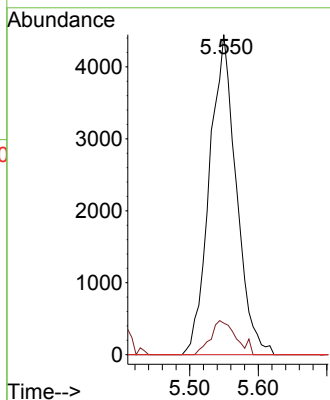
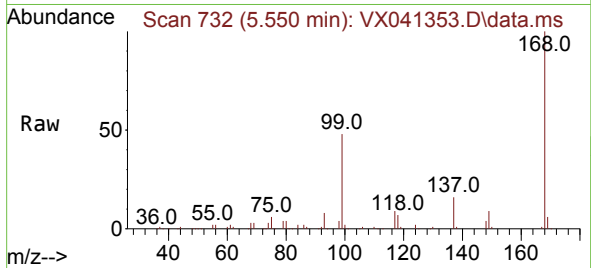




#36
1,1-Dichloropropene
Concen: 5.727 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX041353.D
Acq: 02 May 2024 15:00

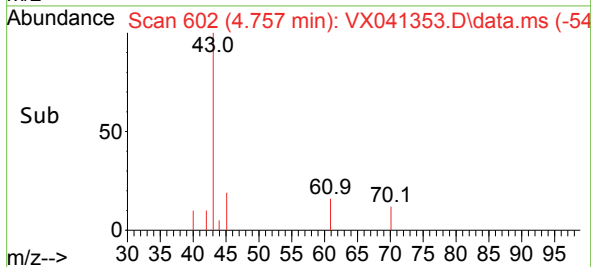
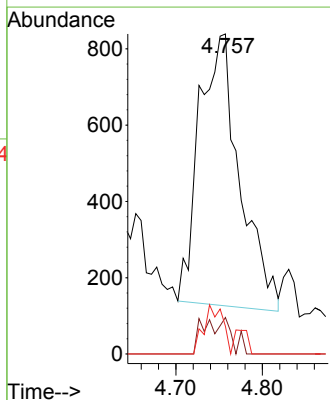
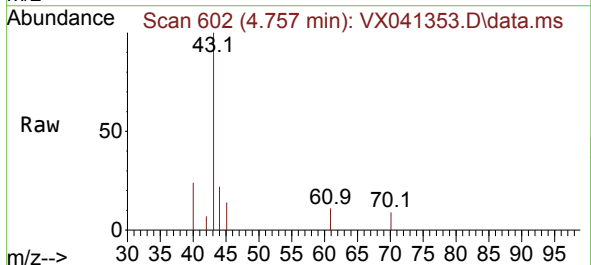
Instrument :
MSVOA_X
ClientSampleId :

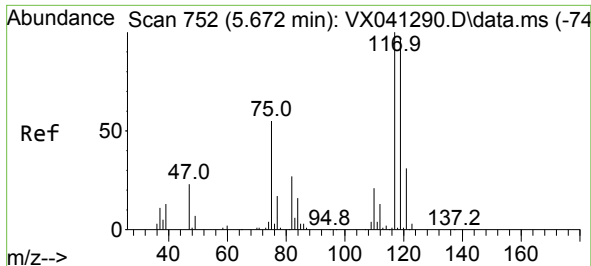
Tgt Ion: 75 Resp: 12070
Ion Ratio Lower Upper
75 100
110 10.1 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.879 ug/l
RT: 4.757 min Scan# 602
Delta R.T. 0.037 min
Lab File: VX041353.D
Acq: 02 May 2024 15:00

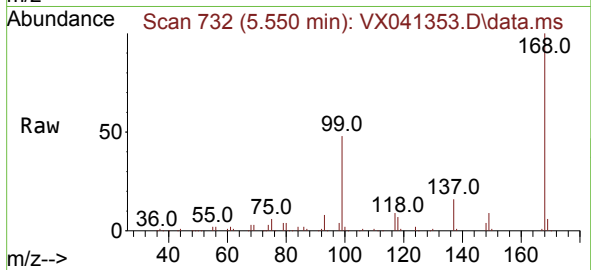
Tgt Ion: 43 Resp: 2311
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 2.9 8.3 12.5#



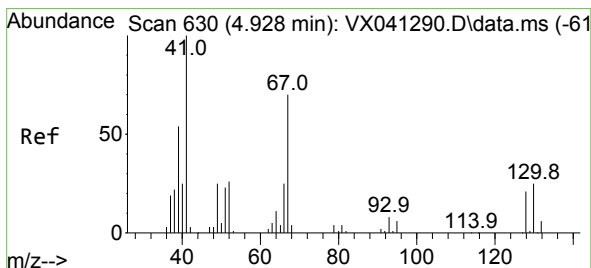
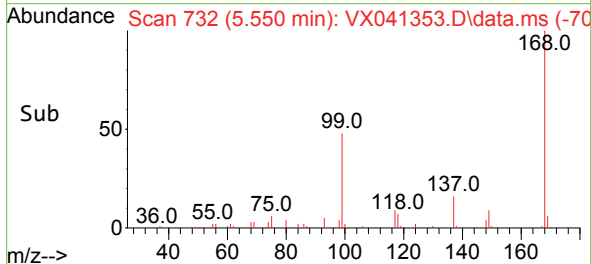
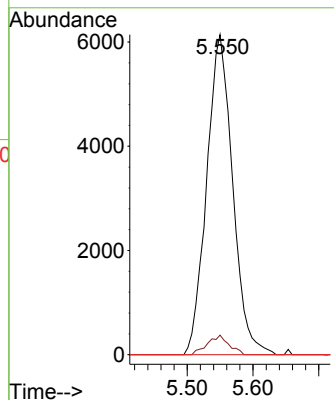


#38
Carbon Tetrachloride
Concen: 6.986 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX041353.D
Acq: 02 May 2024 15:00

Instrument :
MSVOA_X
ClientSampleId :

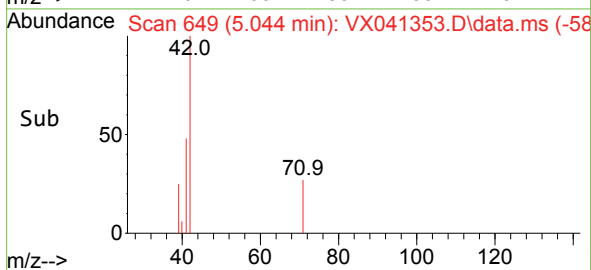
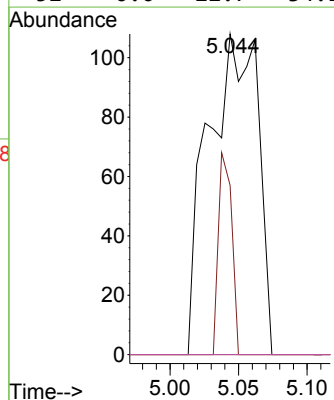
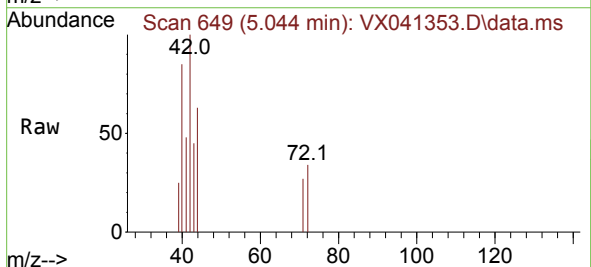


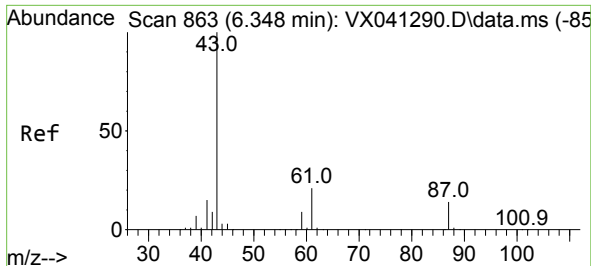
Tgt Ion:117 Resp: 16866
Ion Ratio Lower Upper
117 100
119 6.1 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.202 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.116 min
Lab File: VX041353.D
Acq: 02 May 2024 15:00

Tgt Ion: 41 Resp: 273
Ion Ratio Lower Upper
41 100
39 16.8 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

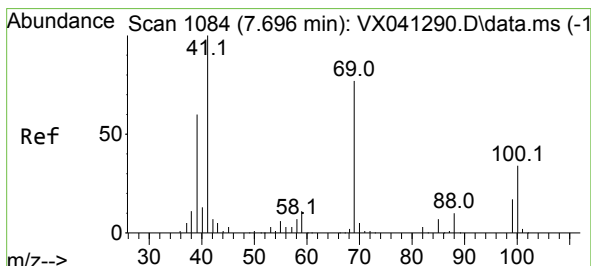
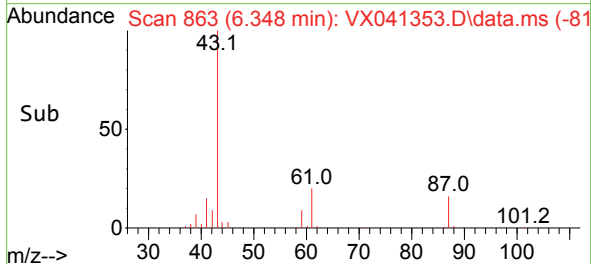
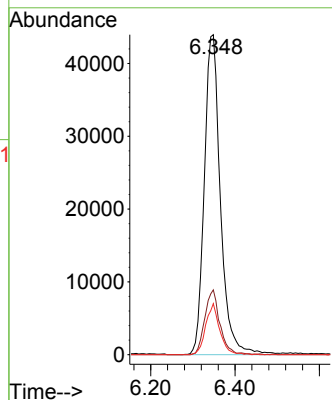
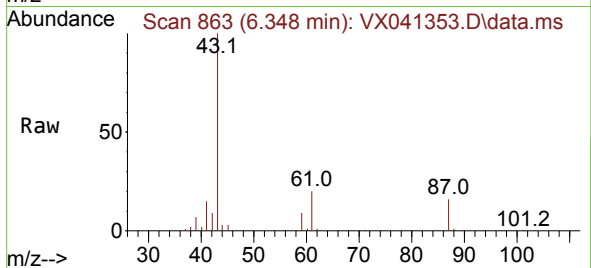




#43
Isopropyl Acetate
Concen: 29.614 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX041353.D
Acq: 02 May 2024 15:00

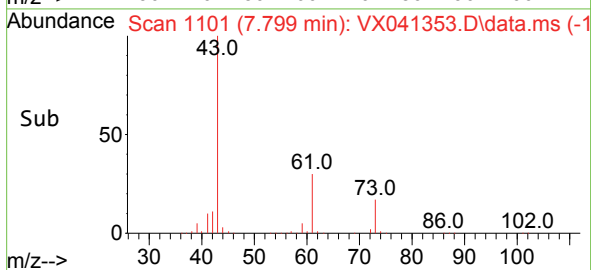
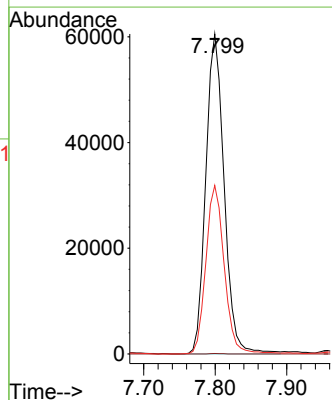
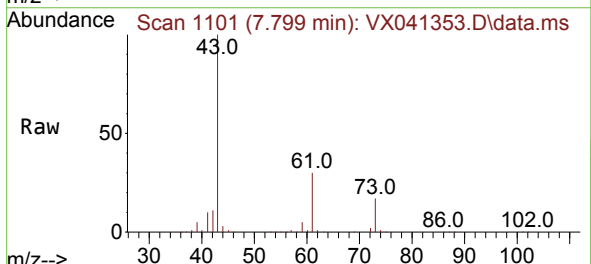
Instrument :
MSVOA_X
ClientSampleId :

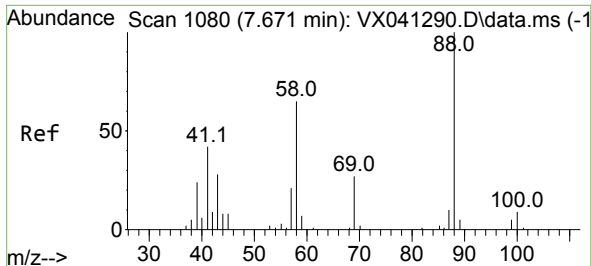
Tgt Ion: 43 Resp: 117080
Ion Ratio Lower Upper
43 100
61 19.0 15.2 22.8
87 13.9 9.8 14.6



#48
Methyl methacrylate
Concen: 59.516 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX041353.D
Acq: 02 May 2024 15:00

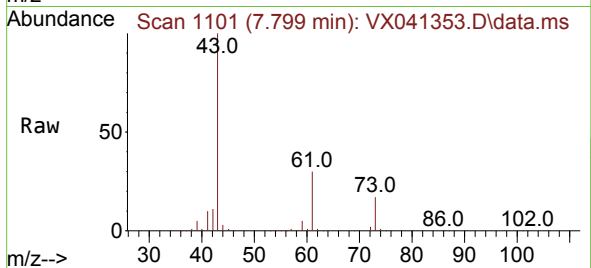
Tgt Ion: 41 Resp: 107865
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 52.9 47.7 71.5



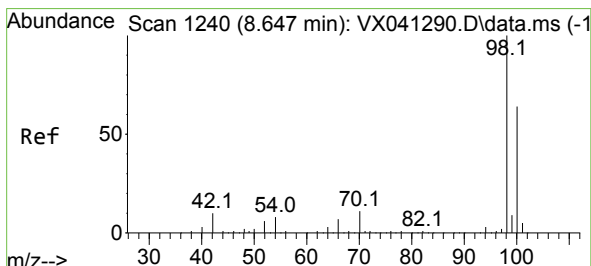
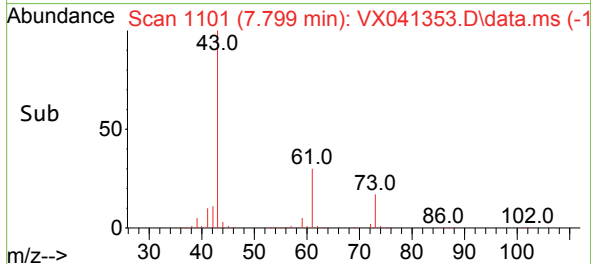
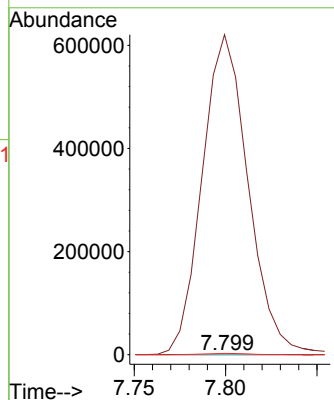


#49
1,4-Dioxane
Concen: 3.981 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.128 min
Lab File: VX041353.D
Acq: 02 May 2024 15:00

Instrument :
MSVOA_X
ClientSampleId :

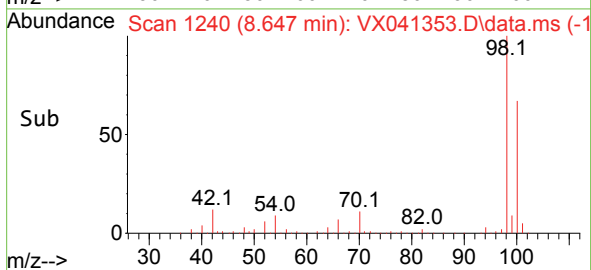
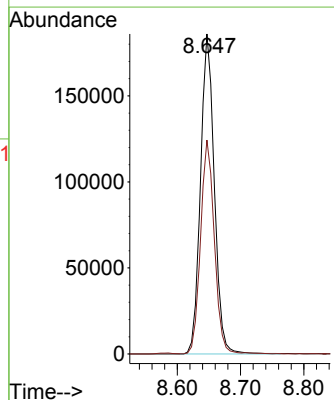
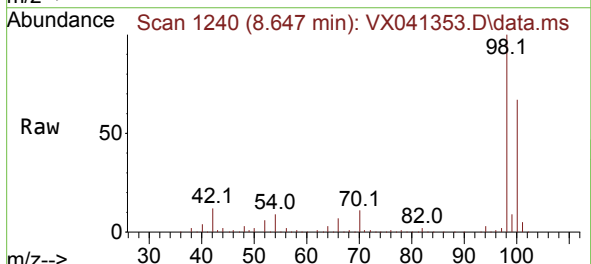


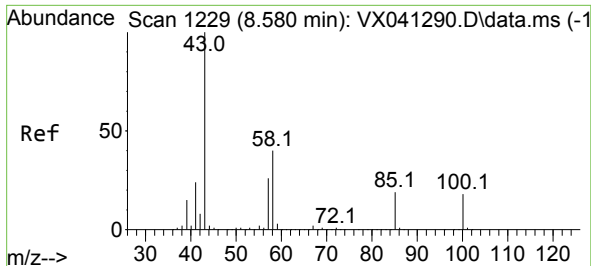
Tgt Ion: 88 Resp: 156
Ion Ratio Lower Upper
88 100
43 705760.3 0.0 0.0#
58 2839.7 60.1 90.1#



#50
Toluene-d8
Concen: 50.748 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041353.D
Acq: 02 May 2024 15:00

Tgt Ion: 98 Resp: 283082
Ion Ratio Lower Upper
98 100
100 66.6 53.1 79.7

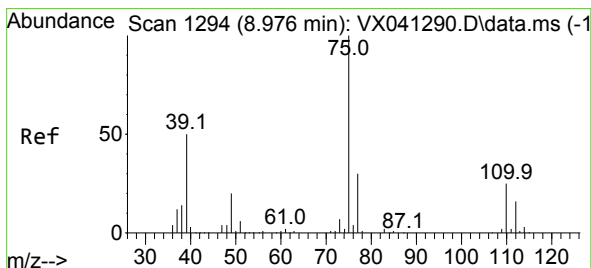
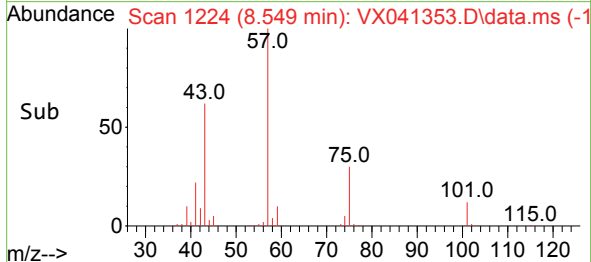
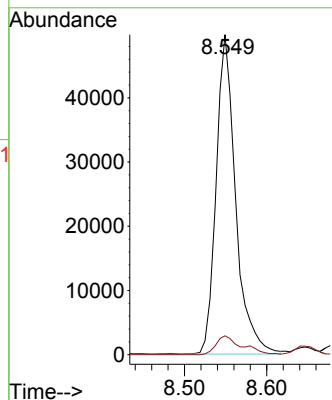
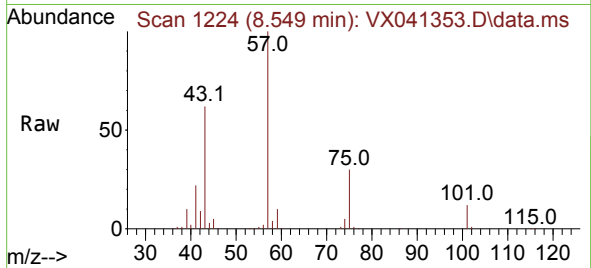




#51
4-Methyl-2-Pentanone
Concen: 34.562 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX041353.D
Acq: 02 May 2024 15:00

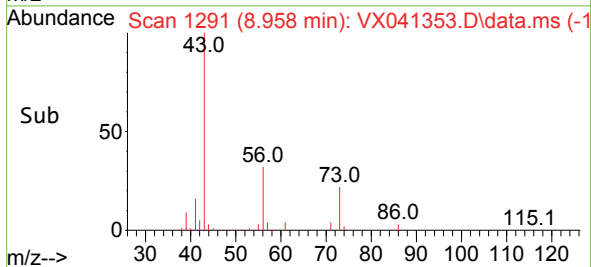
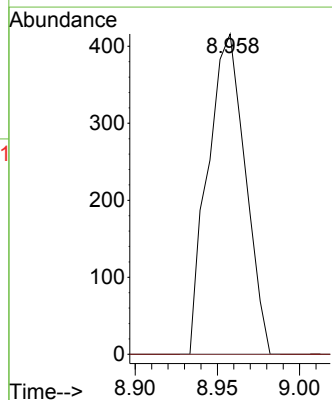
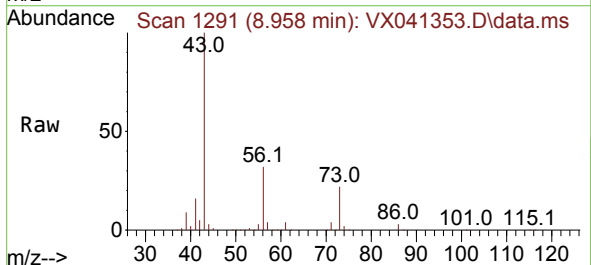
Instrument :
MSVOA_X
ClientSampleId :

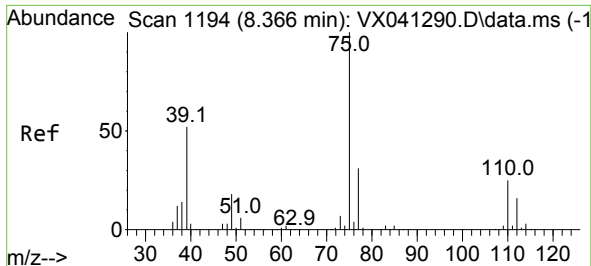
Tgt Ion: 43 Resp: 81993
Ion Ratio Lower Upper
43 100
58 7.9 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.322 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX041353.D
Acq: 02 May 2024 15:00

Tgt Ion: 75 Resp: 656
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

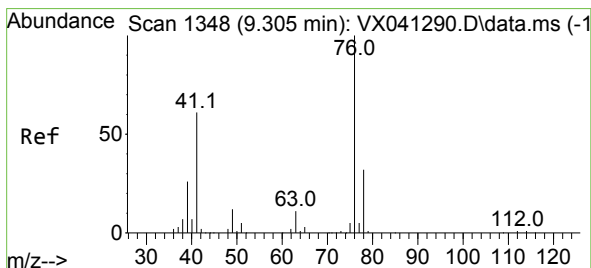
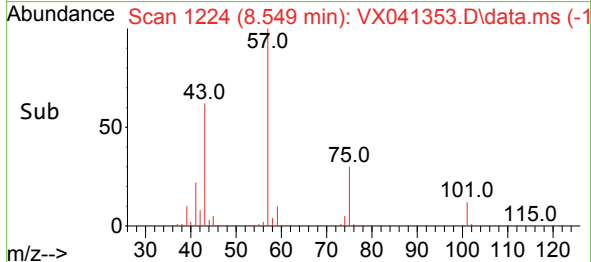
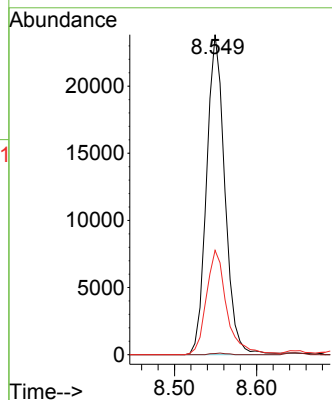
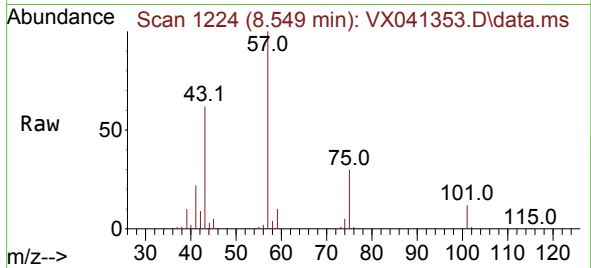




#54
 cis-1,3-Dichloropropene
 Concen: 16.248 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX041353.D
 Acq: 02 May 2024 15:00

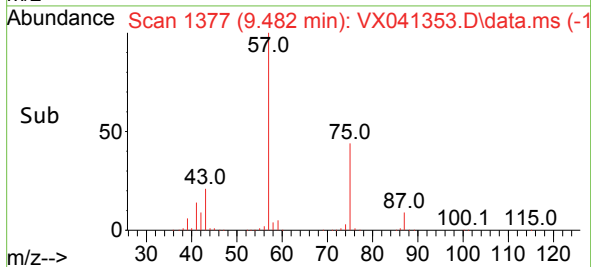
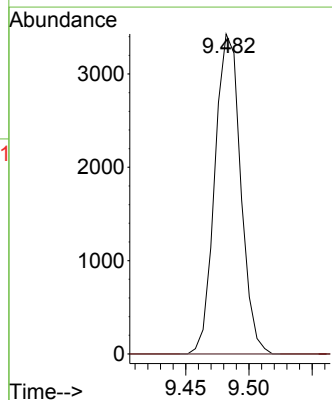
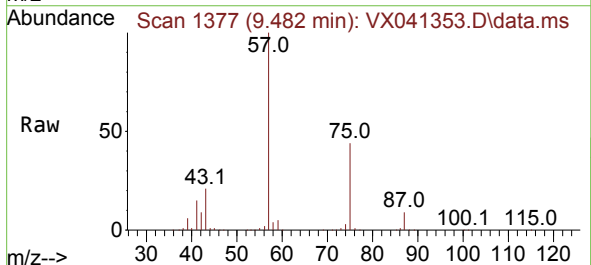
Instrument :
 MSVOA_X
 ClientSampleId :

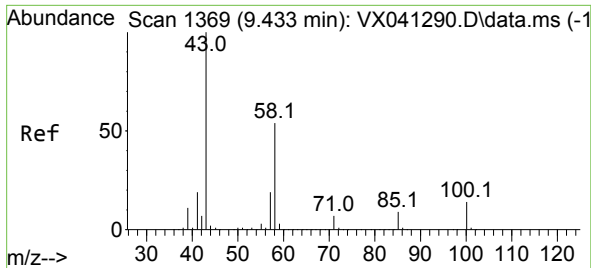
Tgt Ion: 75 Resp: 36781
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.3 37.9#
 39 32.6 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.903 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX041353.D
 Acq: 02 May 2024 15:00

Tgt Ion: 76 Resp: 4860
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

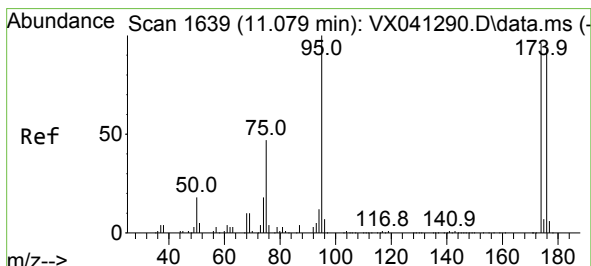
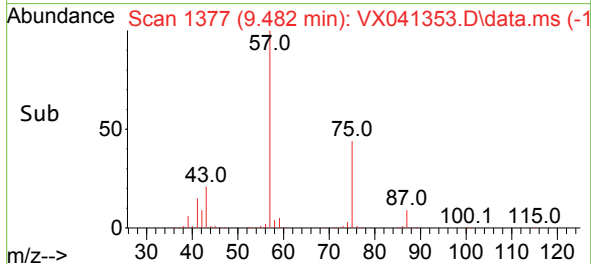
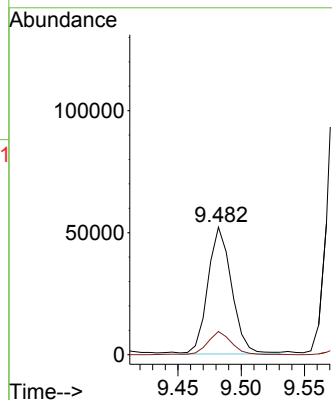
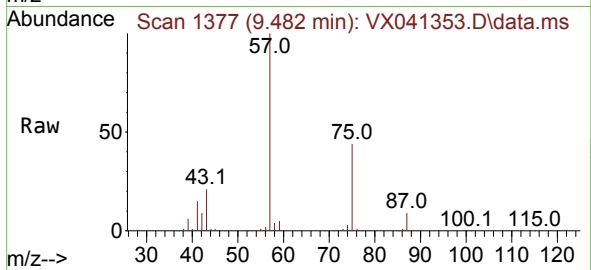




#59
2-Hexanone
Concen: 36.011 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX041353.D
Acq: 02 May 2024 15:00

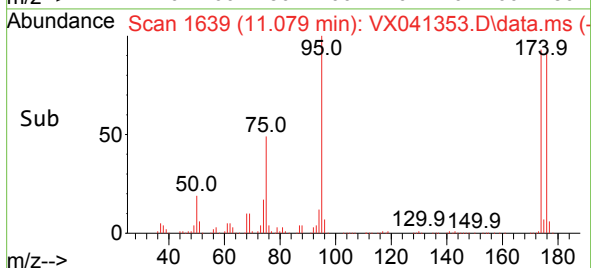
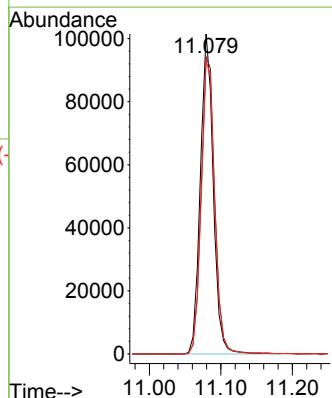
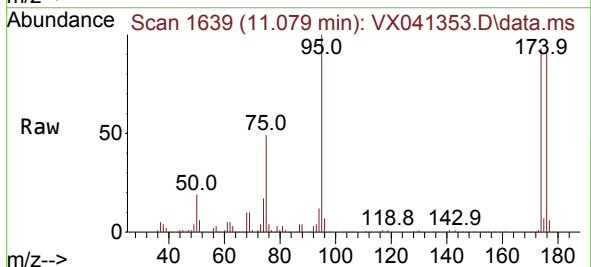
Instrument :
MSVOA_X
ClientSampleId :

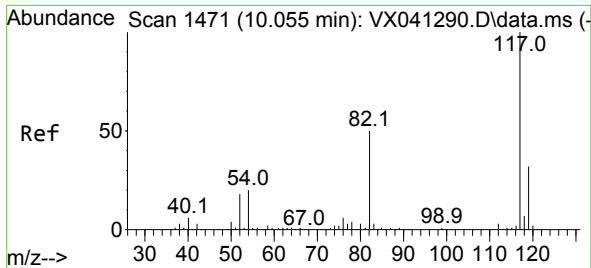
Tgt Ion: 43 Resp: 68313
Ion Ratio Lower Upper
43 100
58 18.5 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 58.906 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041353.D
Acq: 02 May 2024 15:00

Tgt Ion: 95 Resp: 127199
Ion Ratio Lower Upper
95 100
174 98.1 0.0 135.6
176 95.4 0.0 131.0

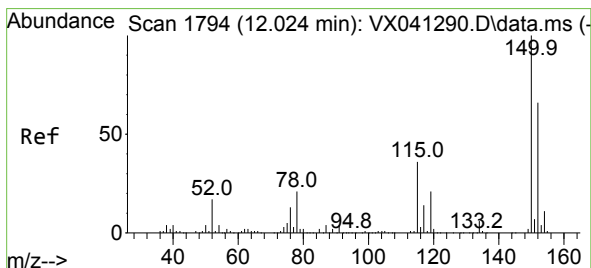
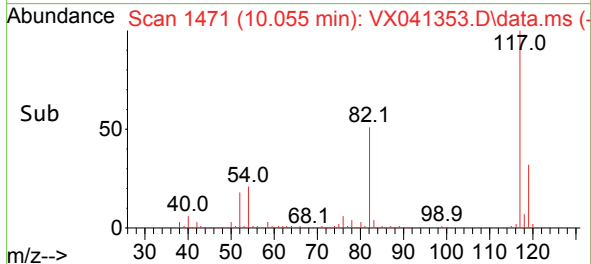
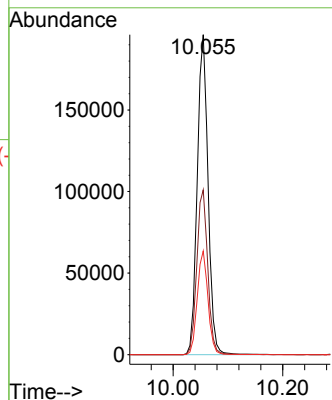
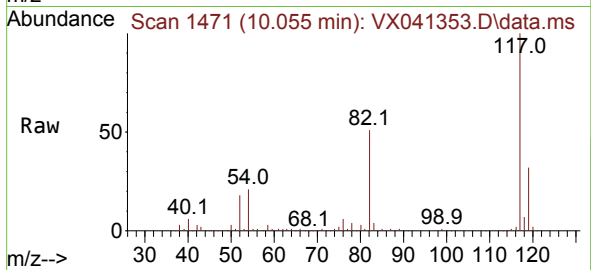




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041353.D
Acq: 02 May 2024 15:00

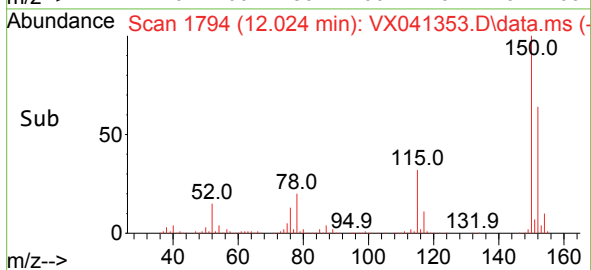
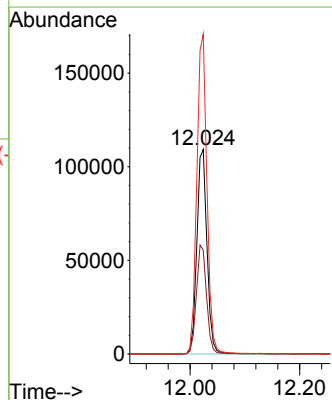
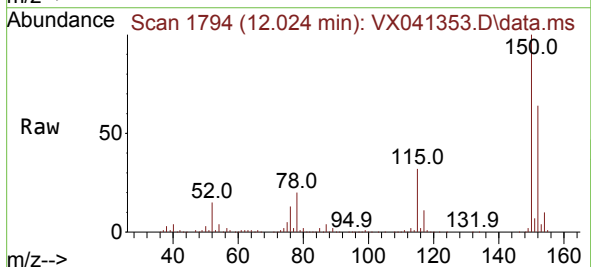
Instrument :
MSVOA_X
ClientSampleId :

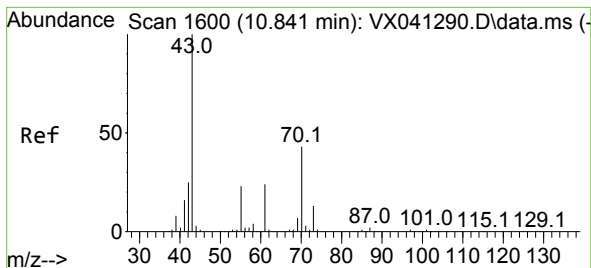
Tgt Ion:117 Resp: 269831
Ion Ratio Lower Upper
117 100
82 51.5 46.2 69.4
119 32.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX041353.D
Acq: 02 May 2024 15:00

Tgt Ion:152 Resp: 141047
Ion Ratio Lower Upper
152 100
115 53.3 43.3 129.9
150 156.3 0.0 345.0





#74

N-amy1 acetate

Concen: 6.790 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

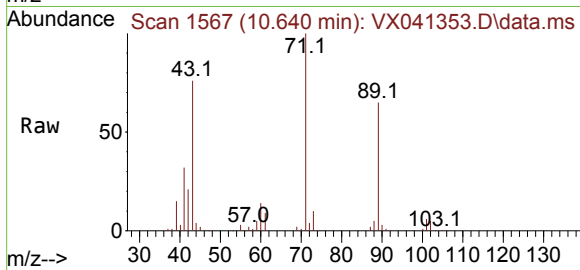
Lab File: VX041353.D

Acq: 02 May 2024 15:00

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 25539

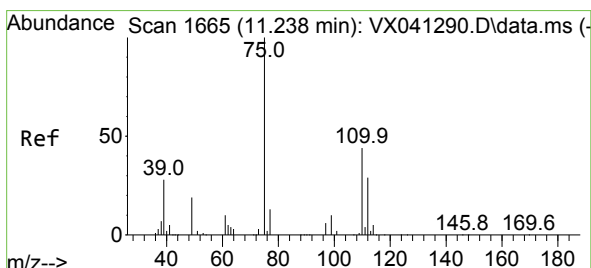
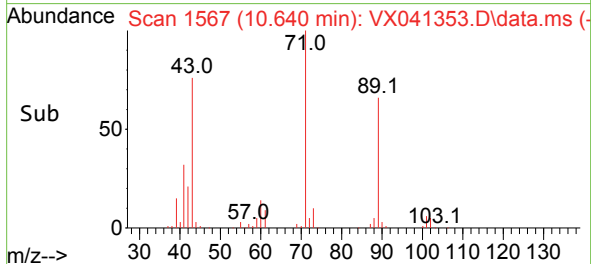
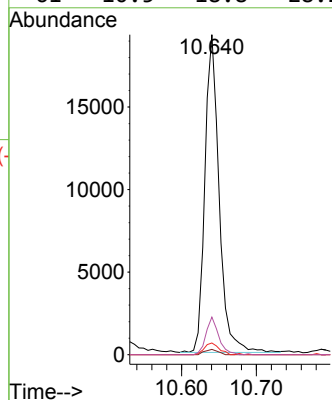
Ion Ratio Lower Upper

43 100

70 1.5 32.9 49.3#

55 3.7 19.3 28.9#

61 10.5 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 27.556 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041353.D

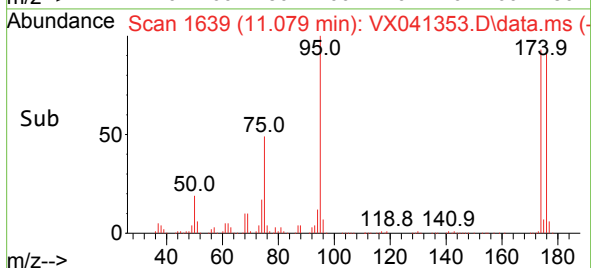
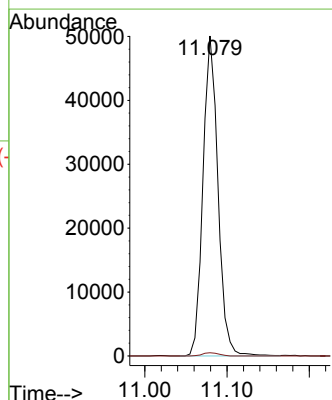
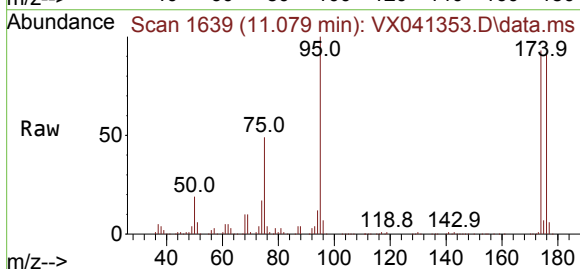
Acq: 02 May 2024 15:00

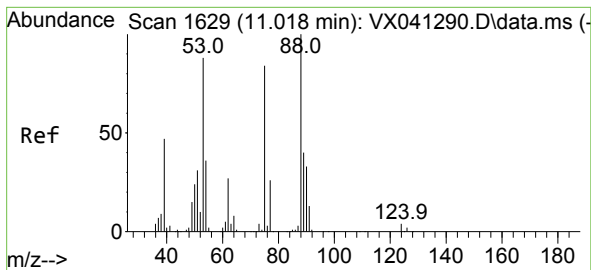
Tgt Ion: 75 Resp: 63340

Ion Ratio Lower Upper

75 100

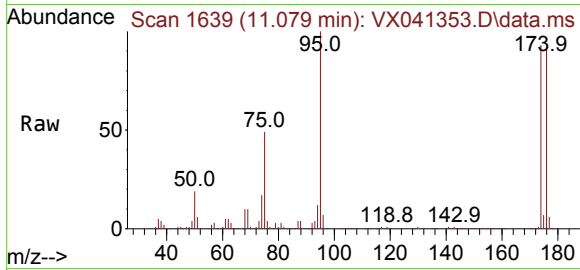
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.058 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX041353.D
 Acq: 02 May 2024 15:00

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 63340
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

