

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071224\
 Data File : VX042311.D
 Acq On : 12 Jul 2024 18:31
 Operator : JC/MD
 Sample : PB162021ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 15 04:47:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

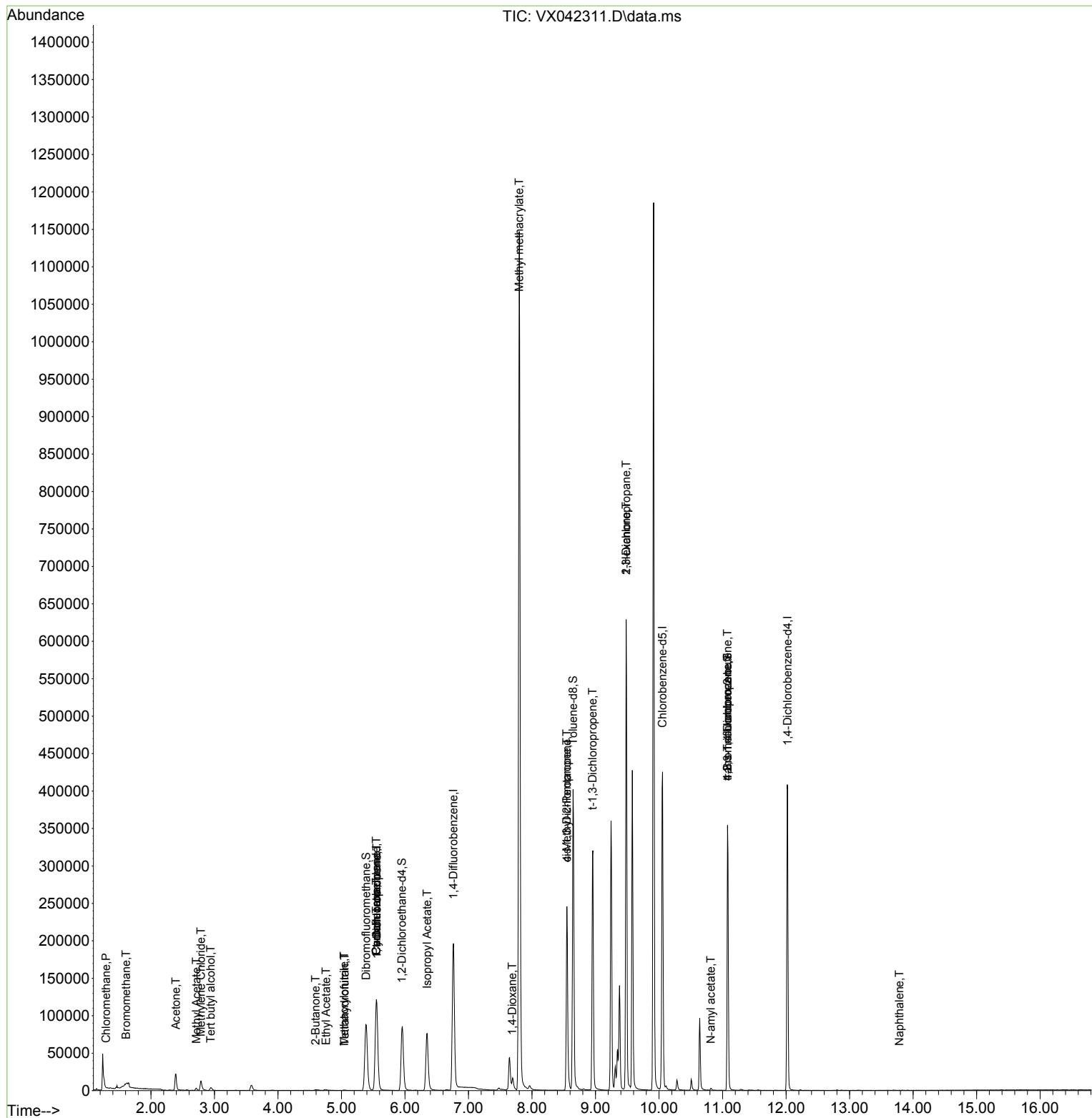
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	136559	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	224454	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	209522	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81758	51.920	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.840%	
35) Dibromofluoromethane	5.385	113	78730	49.434	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.860%	
50) Toluene-d8	8.647	98	247540	44.243	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 88.480%#	
62) 4-Bromofluorobenzene	11.079	95	94287	45.716	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.440%	
Target Compounds						
						Qvalue
3) Chloromethane	1.295	50	315	0.241	ug/l	# 43
5) Bromomethane	1.605	94	195	0.302	ug/l	# 72
6) Chloroethane	1.660	64	807	Below Cal	#	52
11) Tert butyl alcohol	2.941	59	2662	8.907	ug/l	# 78
16) Acetone	2.392	43	26399	38.179	ug/l	91
18) Methyl Acetate	2.715	43	4124	2.186	ug/l	98
20) Methylene Chloride	2.788	84	7197	4.753	ug/l	# 84
25) 2-Butanone	4.593	43	1515	1.408	ug/l	# 86
29) Tetrahydrofuran	5.050	42	471	0.678	ug/l	# 82
31) Cyclohexane	5.550	56	1861	1.011	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	7856	4.645	ug/l	# 51
37) Ethyl Acetate	4.757	43	2263	1.027	ug/l	# 92
38) Carbon Tetrachloride	5.550	117	11426	6.115	ug/l	# 16
41) Methacrylonitrile	5.044	41	260	0.218	ug/l	# 25
43) Isopropyl Acetate	6.348	43	106010	31.349	ug/l	# 93
48) Methyl methacrylate	7.799	41	91511	56.704	ug/l	# 45
49) 1,4-Dioxane	7.690	88	22	20.436	ug/l	# 12
51) 4-Methyl-2-Pentanone	8.549	43	81390	34.941	ug/l	# 52
53) t-1,3-Dichloropropene	8.952	75	834	1.315	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	42962	20.916	ug/l	# 50
57) 1,3-Dichloropropane	9.482	76	5760	2.356	ug/l	# 42
59) 2-Hexanone	9.482	43	68886	38.611	ug/l	# 55
74) N-amyl acetate	10.817	43	827	0.301	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	42166	22.806	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	42166	64.768	ug/l	# 5
95) Naphthalene	13.786	128	89	0.760	ug/l	# 69

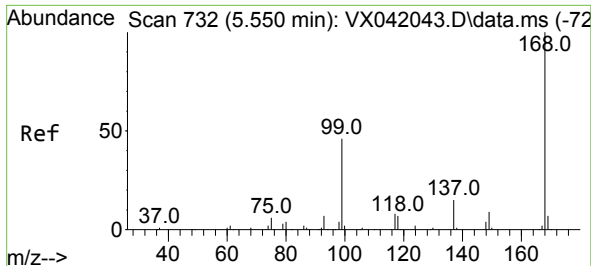
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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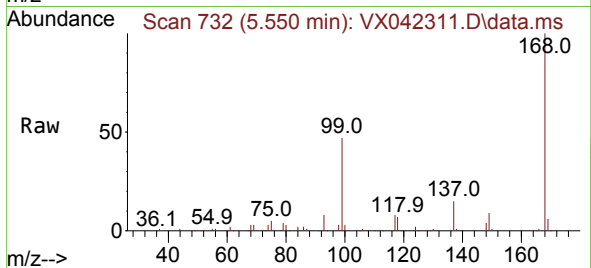
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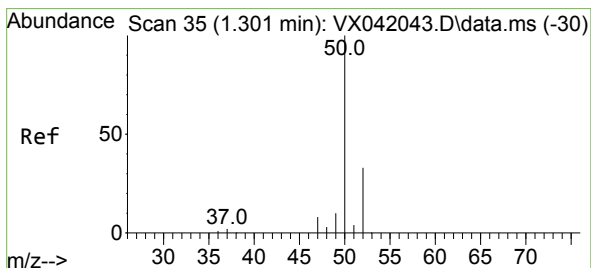
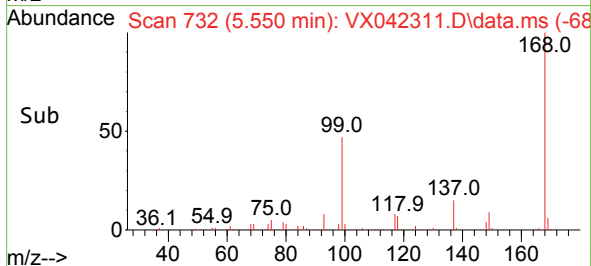
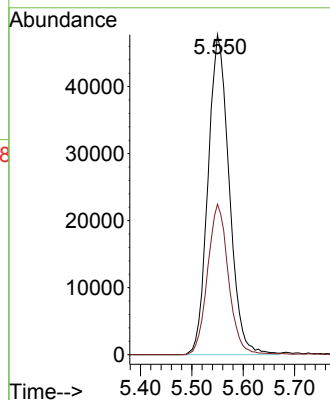


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042311.D
Acq: 12 Jul 2024 18:31

Instrument :
MSVOA_X
ClientSampleId :

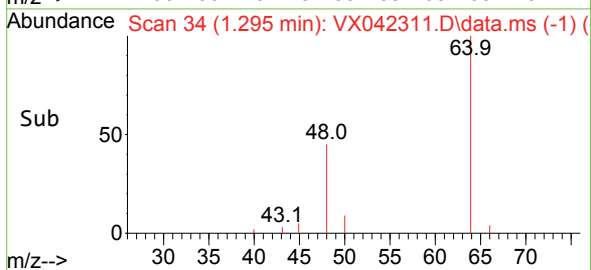
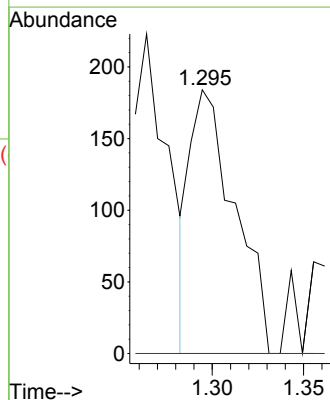
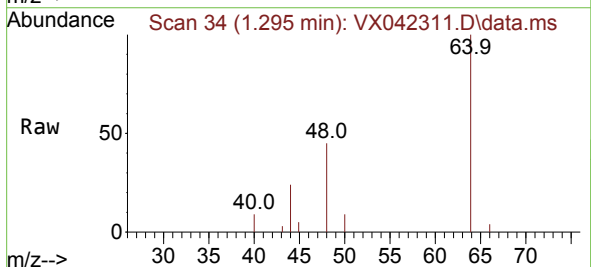


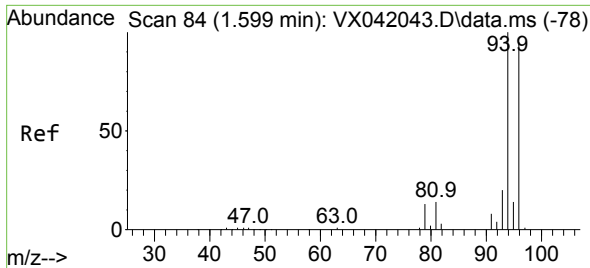
Tgt Ion:168 Resp: 136559
Ion Ratio Lower Upper
168 100
99 47.0 56.6 85.0#



#3
Chloromethane
Concen: 0.241 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.012 min
Lab File: VX042311.D
Acq: 12 Jul 2024 18:31

Tgt Ion: 50 Resp: 315
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

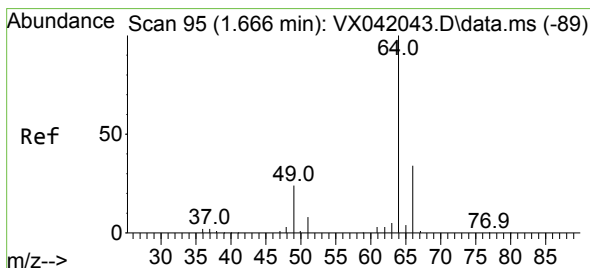
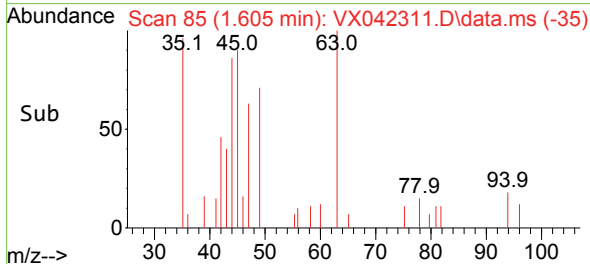
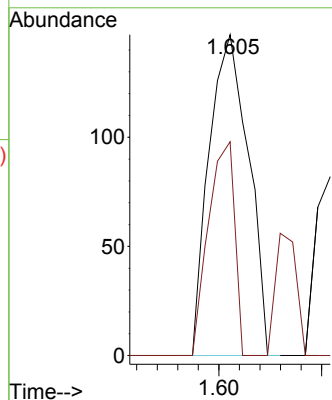
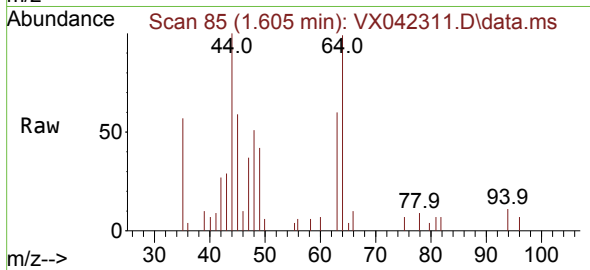




#5
Bromomethane
Concen: 0.302 ug/l
RT: 1.605 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX042311.D
Acq: 12 Jul 2024 18:31

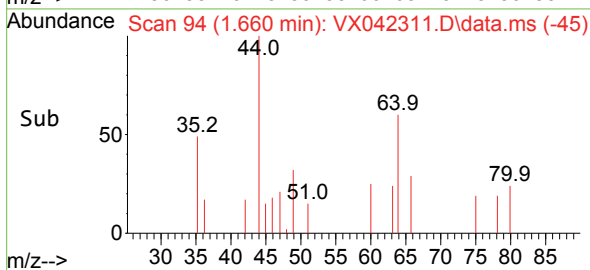
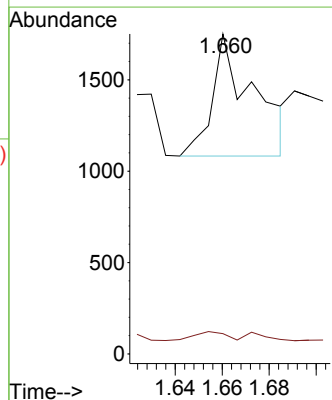
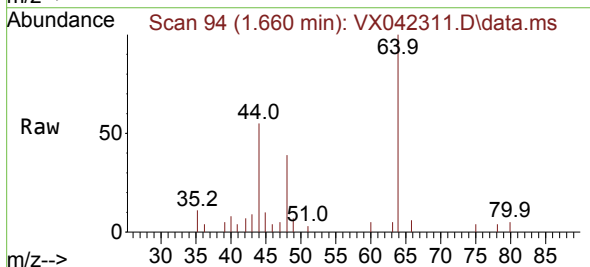
Instrument :
MSVOA_X
ClientSampleId :

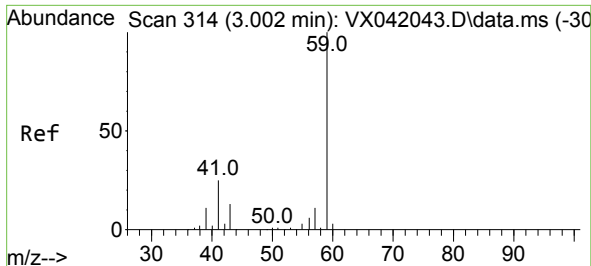
Tgt Ion: 94 Resp: 195
Ion Ratio Lower Upper
94 100
96 66.7 74.6 111.8#



#6
Chloroethane
Concen: Below Cal
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX042311.D
Acq: 12 Jul 2024 18:31

Tgt Ion: 64 Resp: 807
Ion Ratio Lower Upper
64 100
66 4.9 25.1 37.7#





#11

Tert butyl alcohol

Concen: 8.907 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.067 min

Lab File: VX042311.D

Acq: 12 Jul 2024 18:31

Instrument :

MSVOA_X

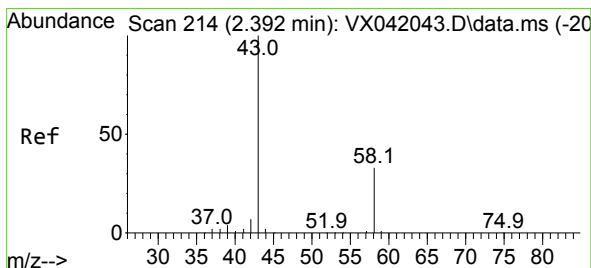
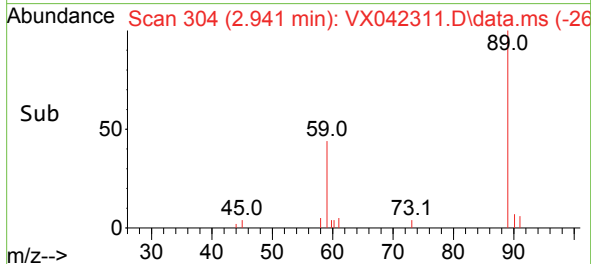
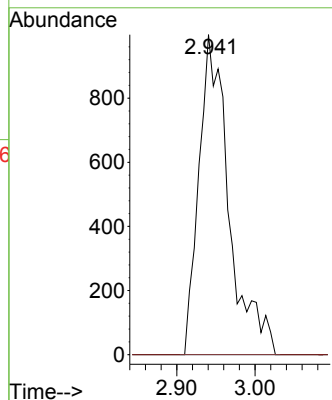
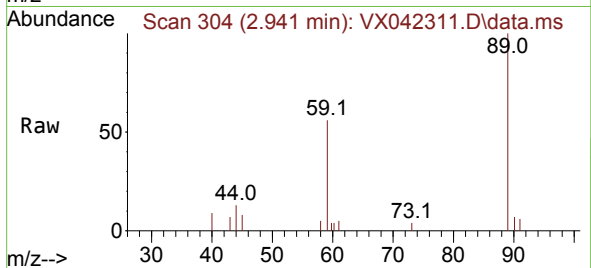
ClientSampleId :

Tgt Ion: 59 Resp: 2662

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 38.179 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX042311.D

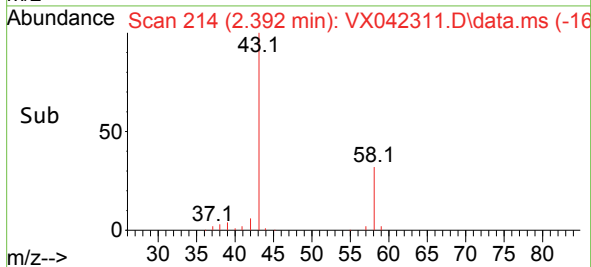
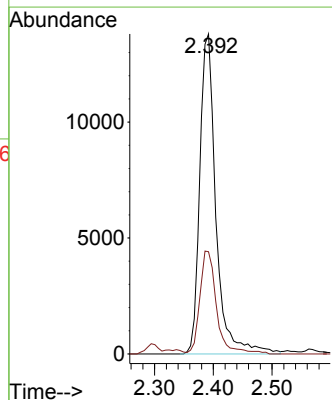
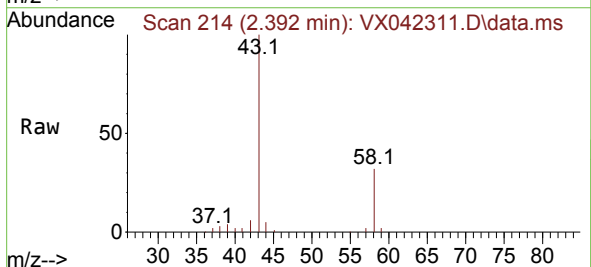
Acq: 12 Jul 2024 18:31

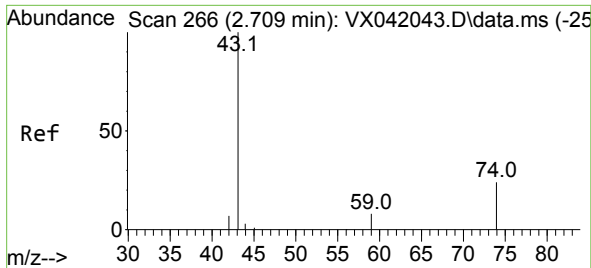
Tgt Ion: 43 Resp: 26399

Ion Ratio Lower Upper

43 100

58 32.0 21.9 32.9





#18

Methyl Acetate

Concen: 2.186 ug/l

RT: 2.715 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX042311.D

Acq: 12 Jul 2024 18:31

Instrument :

MSVOA_X

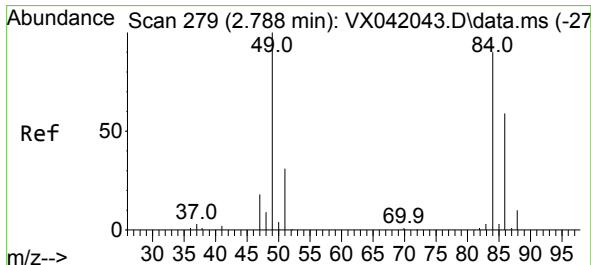
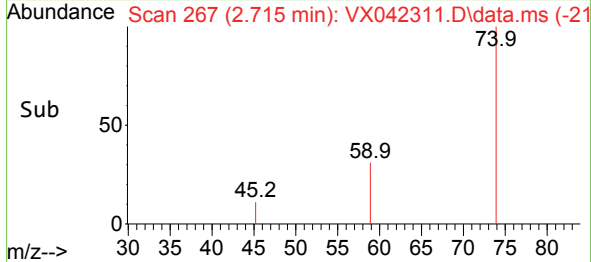
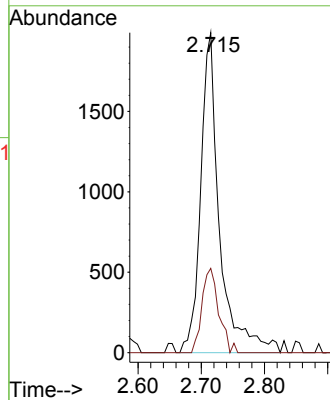
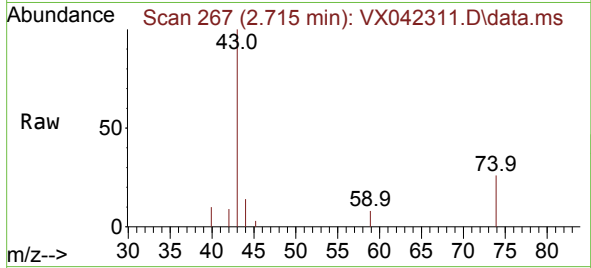
ClientSampleId :

Tgt Ion: 43 Resp: 4124

Ion Ratio Lower Upper

43 100

74 23.4 17.8 26.8



#20

Methylene Chloride

Concen: 4.753 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX042311.D

Acq: 12 Jul 2024 18:31

Tgt Ion: 84 Resp: 7197

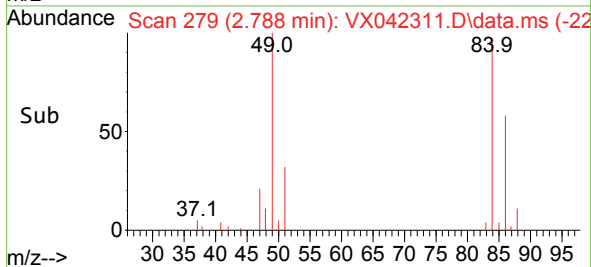
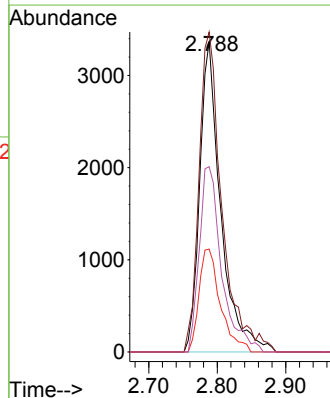
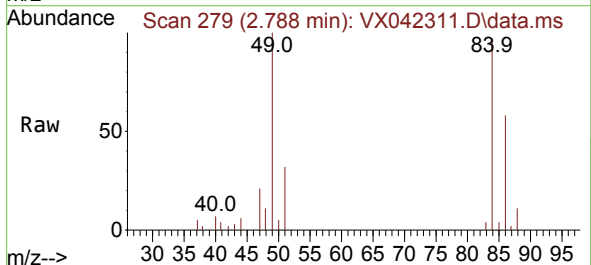
Ion Ratio Lower Upper

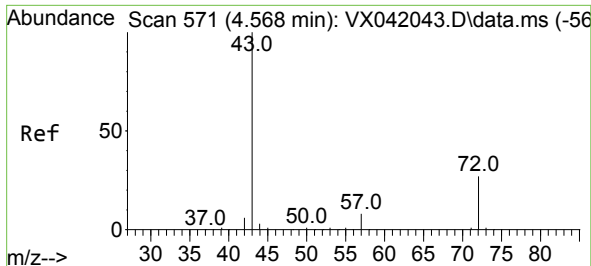
84 100

49 103.1 103.6 155.4#

51 33.1 33.8 50.6#

86 59.7 49.4 74.0





#25

2-Butanone

Concen: 1.408 ug/l

RT: 4.593 min Scan# 51

Delta R.T. 0.018 min

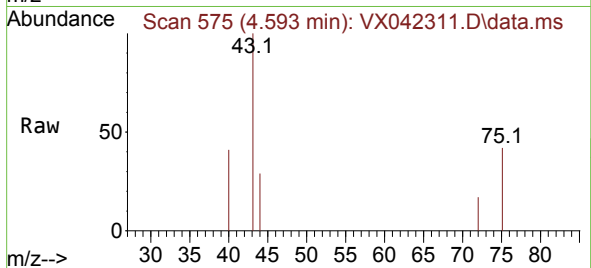
Lab File: VX042311.D

Acq: 12 Jul 2024 18:31

Instrument :

MSVOA_X

ClientSampleId :

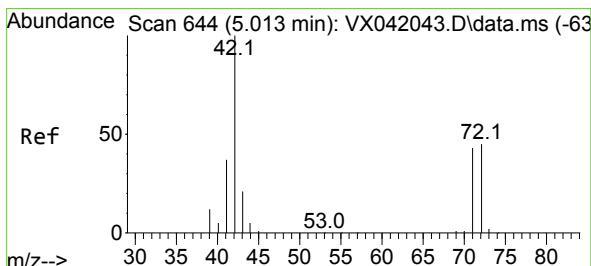
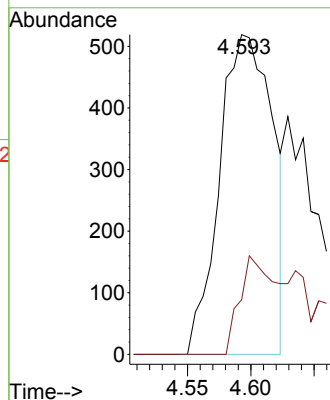
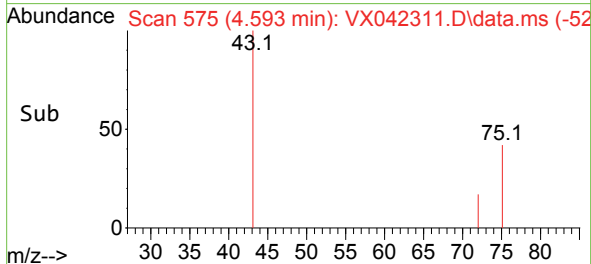


Tgt Ion: 43 Resp: 1515

Ion Ratio Lower Upper

43 100

72 17.1 19.4 29.2#



#29

Tetrahydrofuran

Concen: 0.678 ug/l

RT: 5.050 min Scan# 650

Delta R.T. 0.031 min

Lab File: VX042311.D

Acq: 12 Jul 2024 18:31

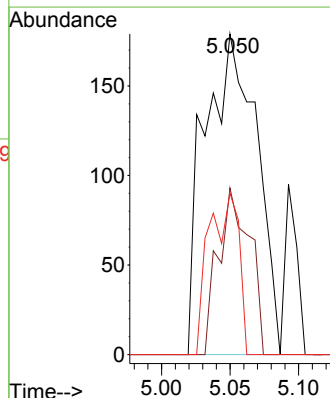
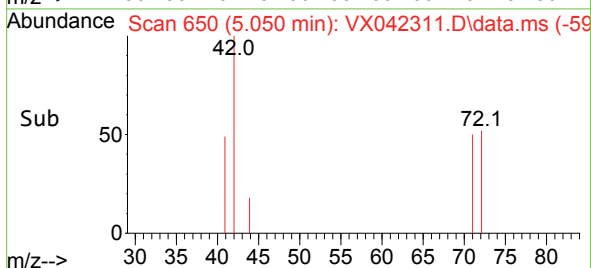
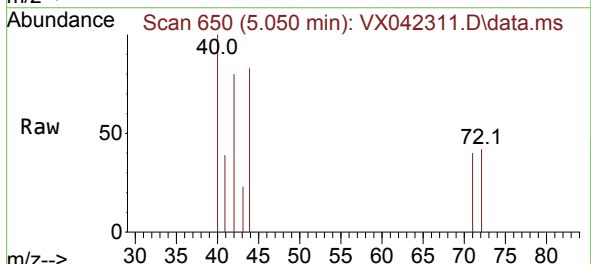
Tgt Ion: 42 Resp: 471

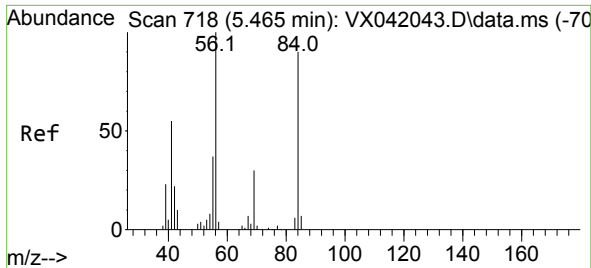
Ion Ratio Lower Upper

42 100

72 31.4 34.2 51.4#

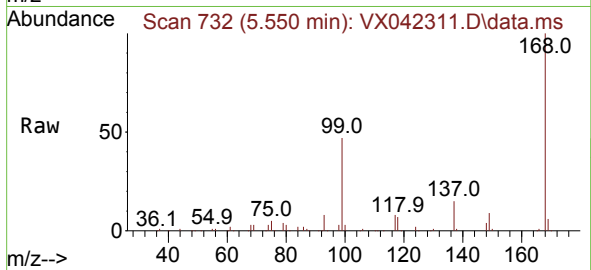
71 28.9 32.2 48.2#



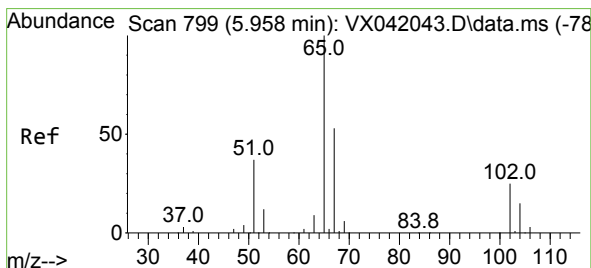
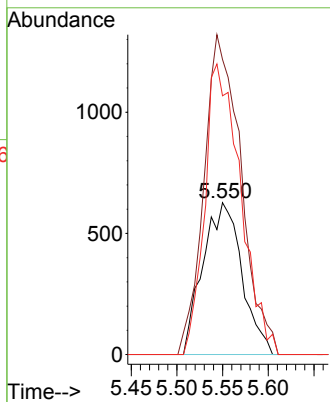
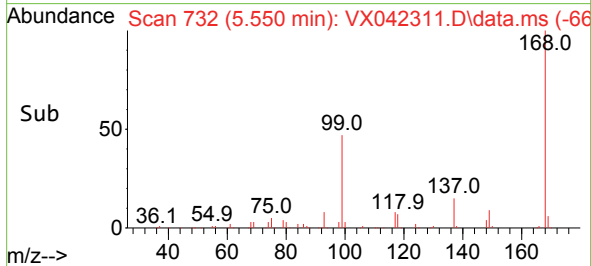


#31
Cyclohexane
Concen: 1.011 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX042311.D
Acq: 12 Jul 2024 18:31

Instrument :
MSVOA_X
ClientSampleId :

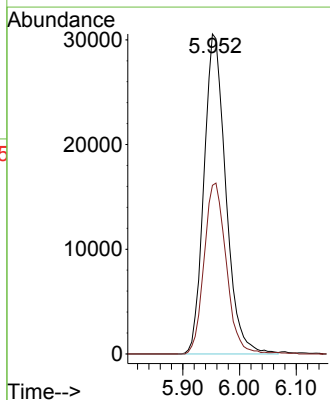
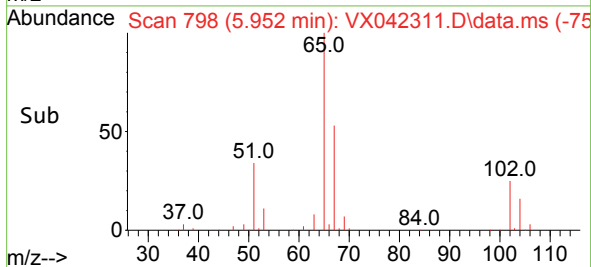
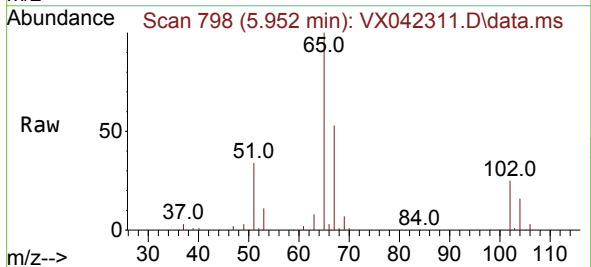


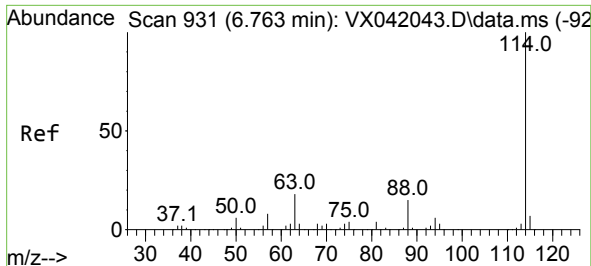
Tgt Ion: 56 Resp: 1861
Ion Ratio Lower Upper
56 100
69 194.3 23.4 35.2#
84 170.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 51.920 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX042311.D
Acq: 12 Jul 2024 18:31

Tgt Ion: 65 Resp: 81758
Ion Ratio Lower Upper
65 100
67 54.0 0.0 100.2

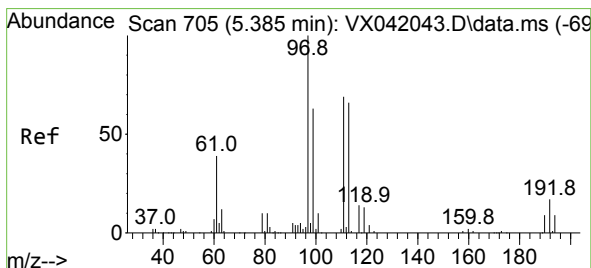
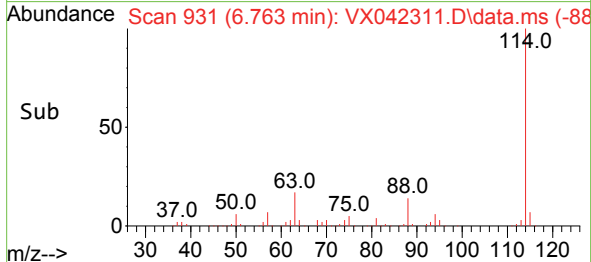
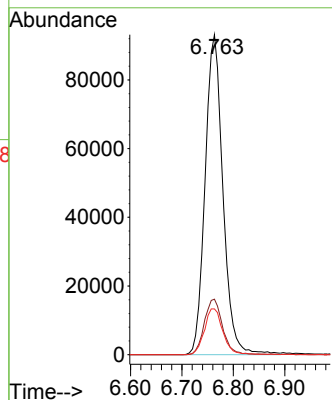
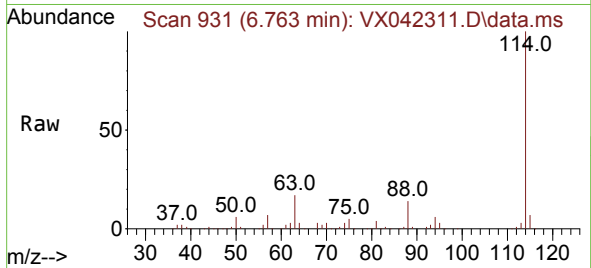




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX042311.D
Acq: 12 Jul 2024 18:31

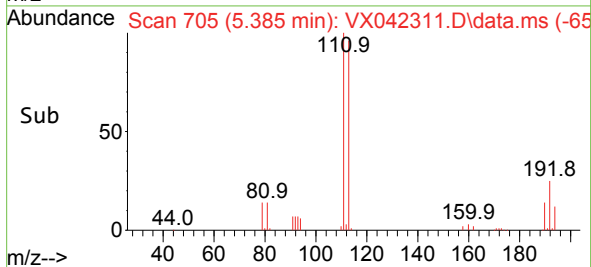
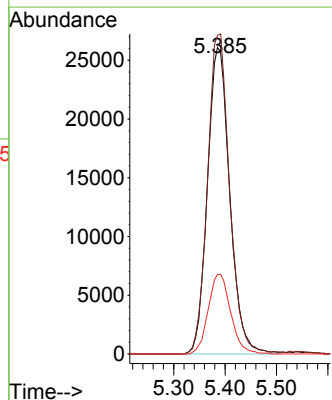
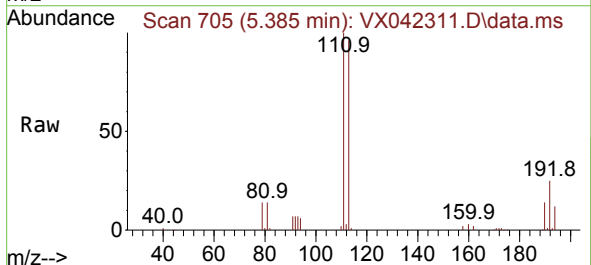
Instrument :
MSVOA_X
ClientSampleId :

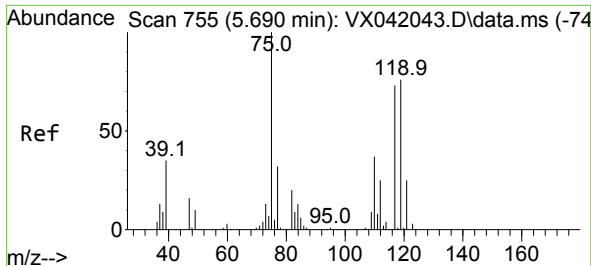
Tgt Ion:114 Resp: 224454
Ion Ratio Lower Upper
114 100
63 17.3 0.0 45.0
88 14.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.434 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042311.D
Acq: 12 Jul 2024 18:31

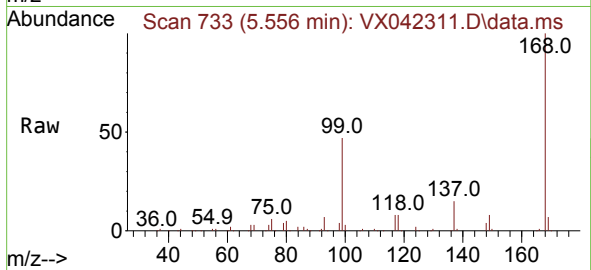
Tgt Ion:113 Resp: 78730
Ion Ratio Lower Upper
113 100
111 103.3 82.9 124.3
192 26.1 13.3 19.9#



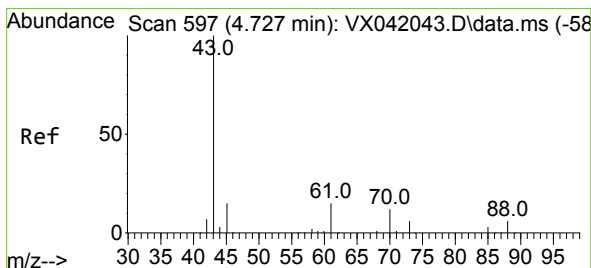
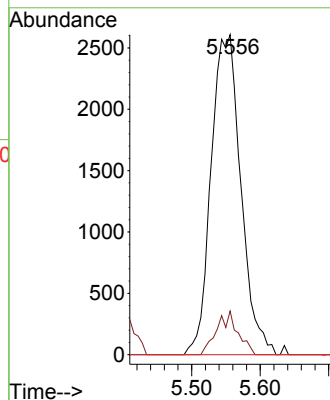
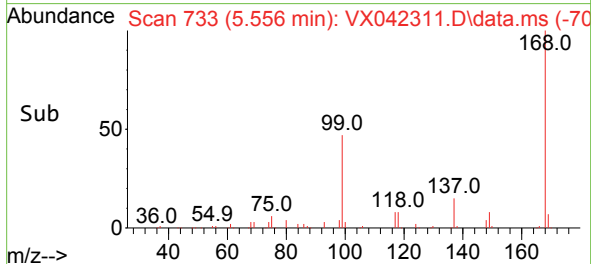


#36
1,1-Dichloropropene
Concen: 4.645 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX042311.D
Acq: 12 Jul 2024 18:31

Instrument :
MSVOA_X
ClientSampleId :

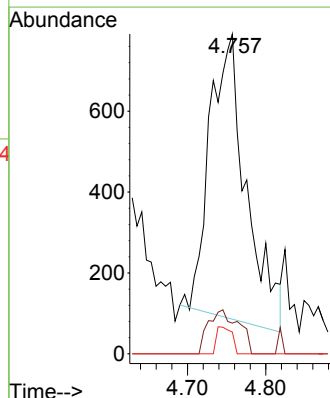
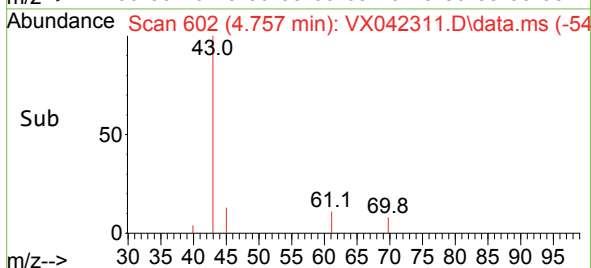
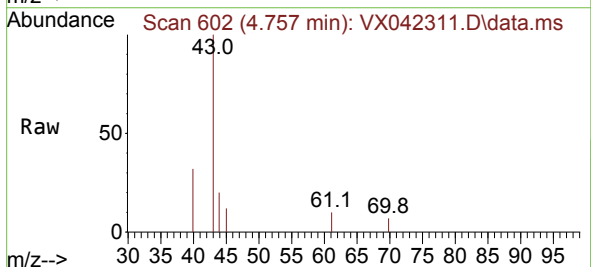


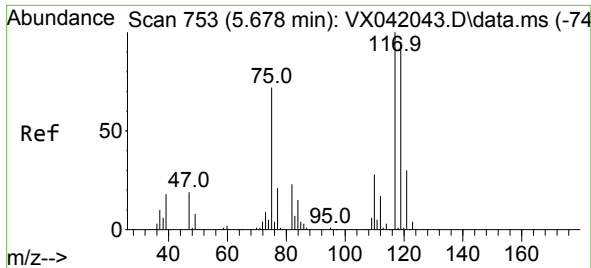
Tgt Ion: 75 Resp: 7856
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.027 ug/l
RT: 4.757 min Scan# 602
Delta R.T. 0.031 min
Lab File: VX042311.D
Acq: 12 Jul 2024 18:31

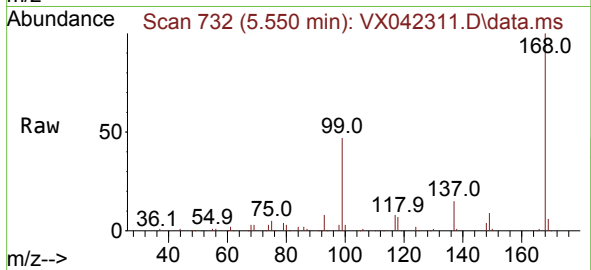
Tgt Ion: 43 Resp: 2263
Ion Ratio Lower Upper
43 100
61 12.9 10.6 16.0
70 4.0 8.3 12.5#



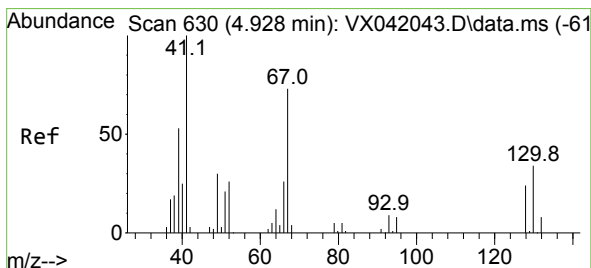
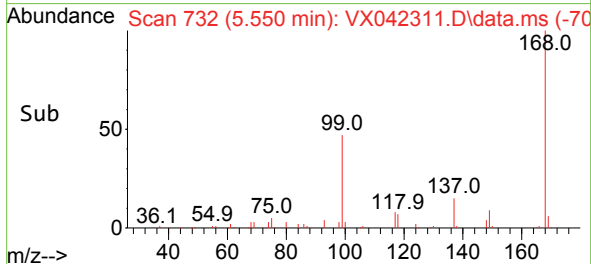
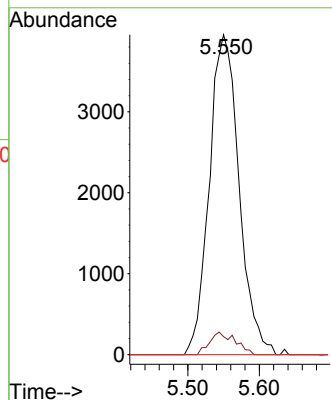


#38
Carbon Tetrachloride
Concen: 6.115 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX042311.D
Acq: 12 Jul 2024 18:31

Instrument :
MSVOA_X
ClientSampleId :

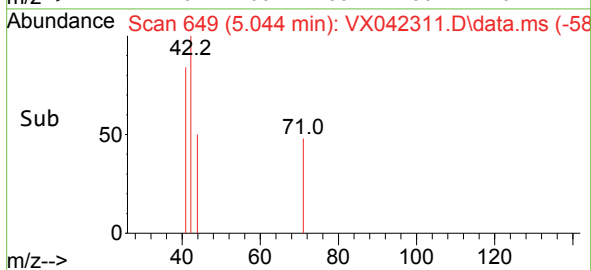
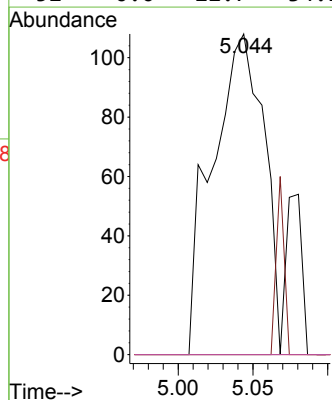
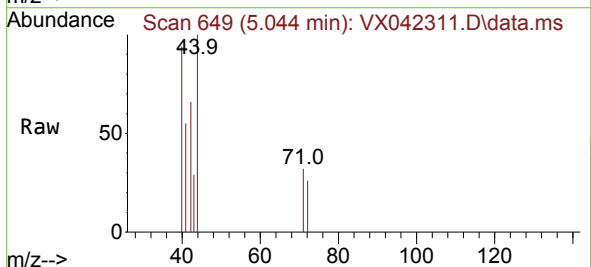


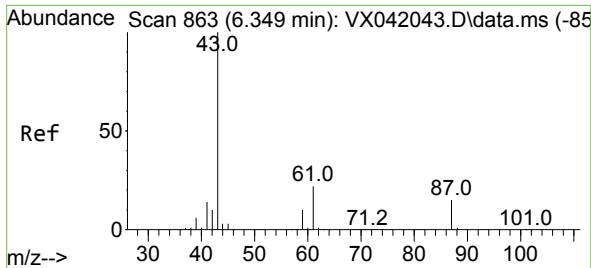
Tgt Ion:117 Resp: 11426
Ion Ratio Lower Upper
117 100
119 5.7 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.218 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.116 min
Lab File: VX042311.D
Acq: 12 Jul 2024 18:31

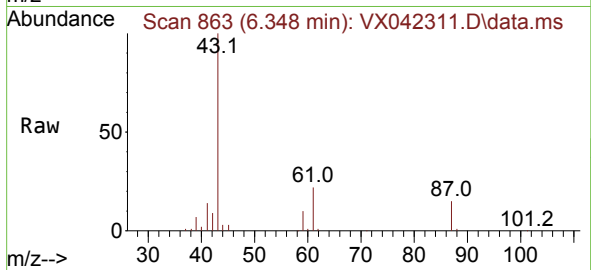
Tgt Ion: 41 Resp: 260
Ion Ratio Lower Upper
41 100
39 0.0 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#



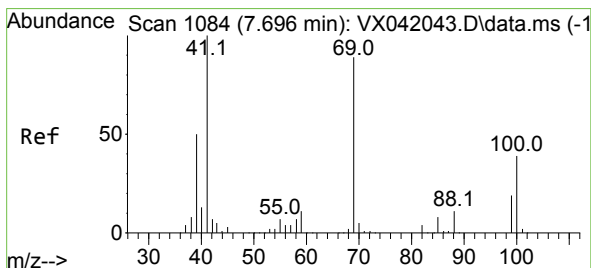
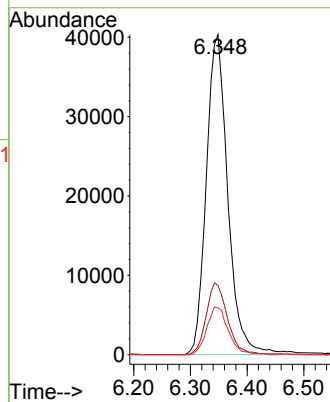
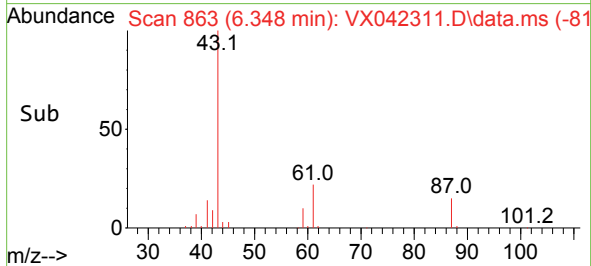


#43
Isopropyl Acetate
Concen: 31.349 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX042311.D
Acq: 12 Jul 2024 18:31

Instrument :
MSVOA_X
ClientSampleId :

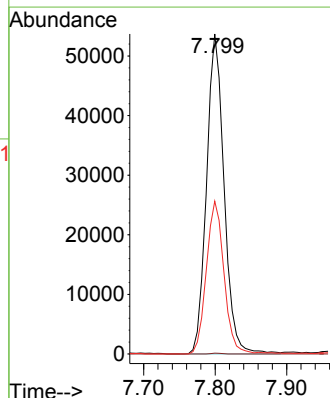
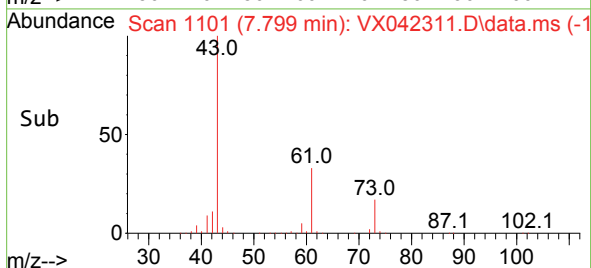
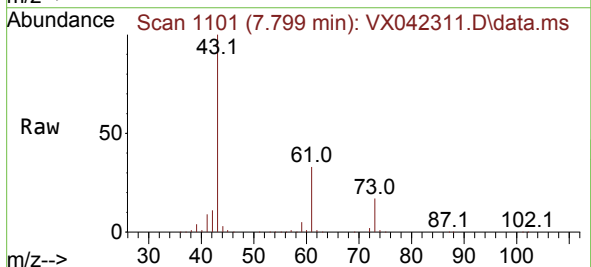


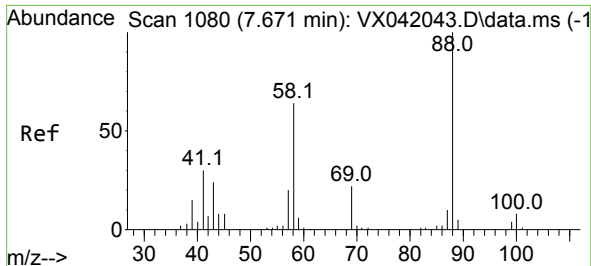
Tgt Ion: 43 Resp: 106010
Ion Ratio Lower Upper
43 100
61 22.5 15.2 22.8
87 14.9 9.8 14.6#



#48
Methyl methacrylate
Concen: 56.704 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX042311.D
Acq: 12 Jul 2024 18:31

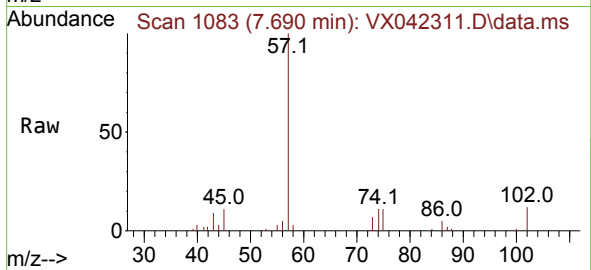
Tgt Ion: 41 Resp: 91511
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 48.5 47.7 71.5



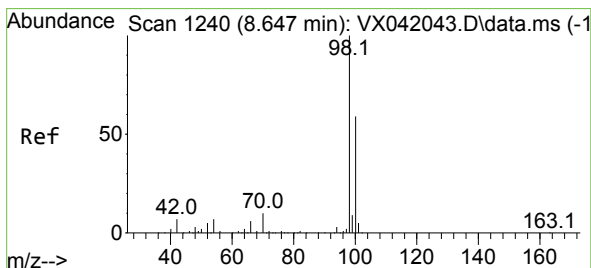
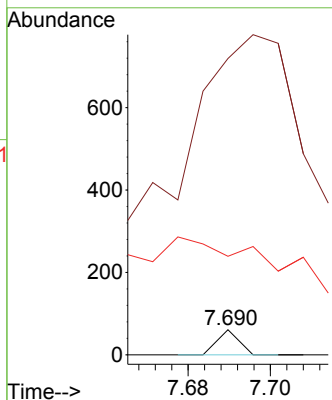
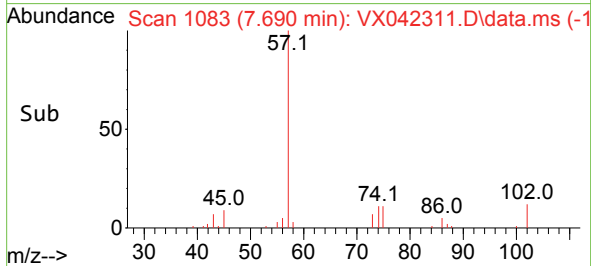


#49
1,4-Dioxane
Concen: 20.436 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.025 min
Lab File: VX042311.D
Acq: 12 Jul 2024 18:31

Instrument :
MSVOA_X
ClientSampleId :

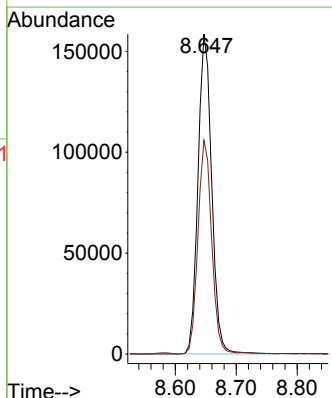
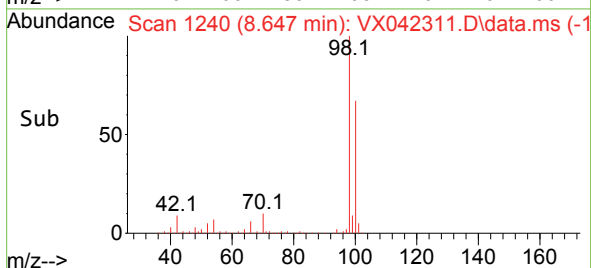
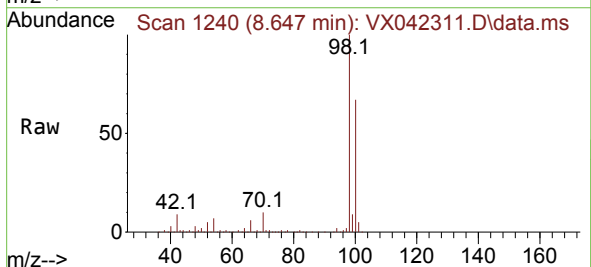


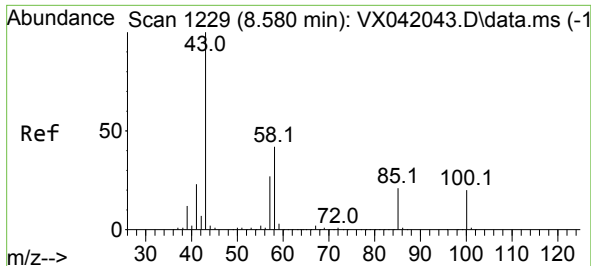
Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#



#50
Toluene-d8
Concen: 44.243 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042311.D
Acq: 12 Jul 2024 18:31

Tgt Ion: 98 Resp: 247540
Ion Ratio Lower Upper
98 100
100 67.3 53.1 79.7

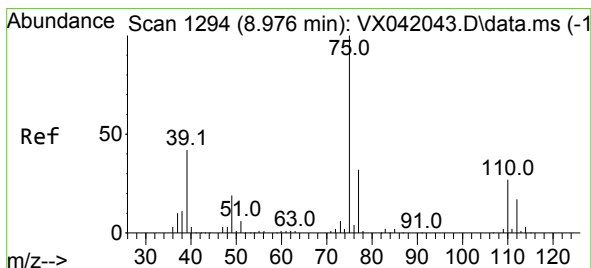
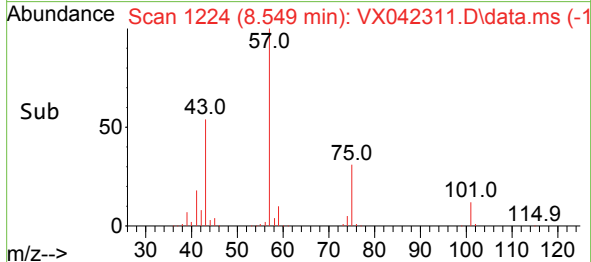
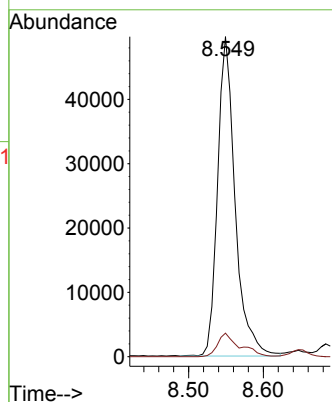
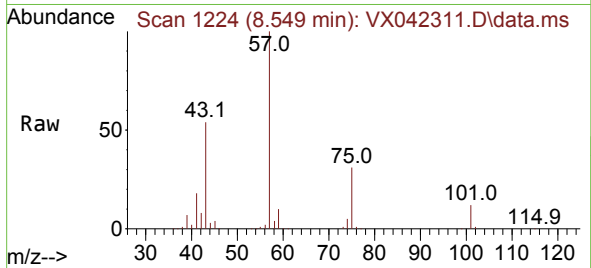




#51
4-Methyl-2-Pentanone
Concen: 34.941 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX042311.D
Acq: 12 Jul 2024 18:31

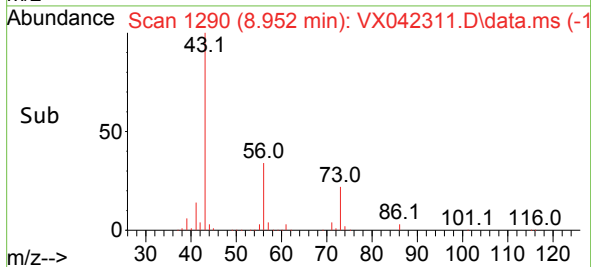
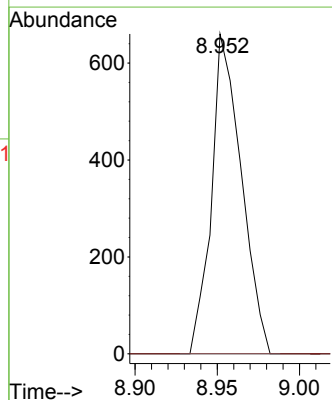
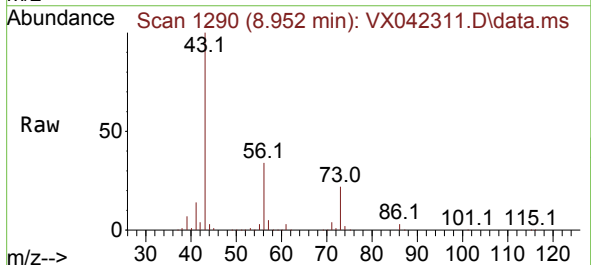
Instrument :
MSVOA_X
ClientSampleId :

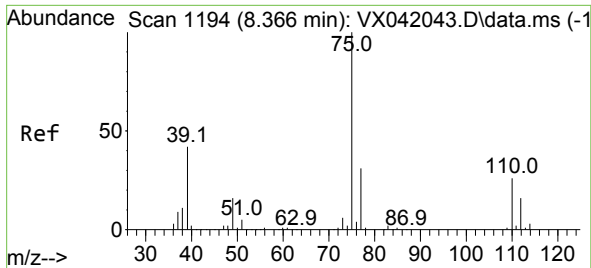
Tgt Ion: 43 Resp: 81390
Ion Ratio Lower Upper
43 100
58 9.3 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 1.315 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.030 min
Lab File: VX042311.D
Acq: 12 Jul 2024 18:31

Tgt Ion: 75 Resp: 834
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

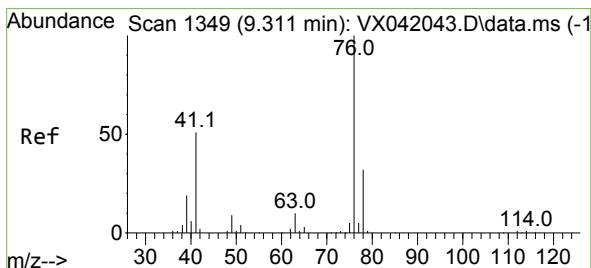
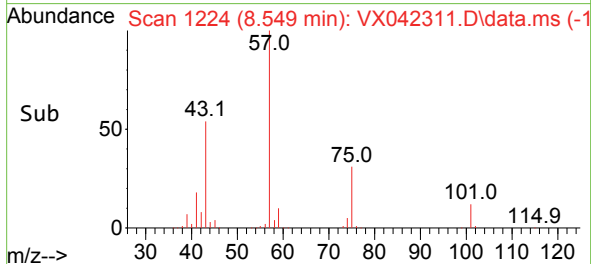
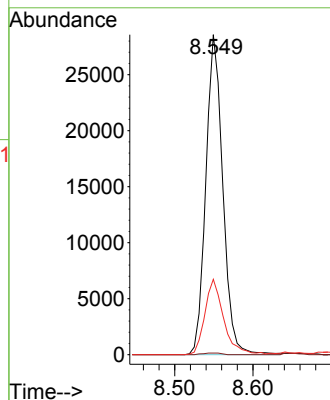
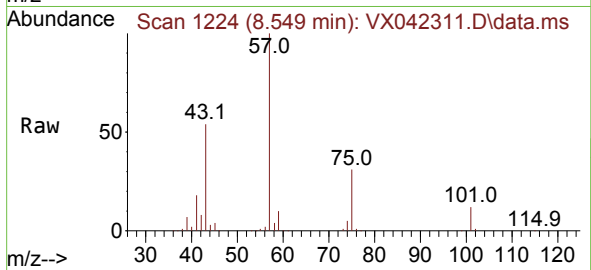




#54
cis-1,3-Dichloropropene
Concen: 20.916 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX042311.D
Acq: 12 Jul 2024 18:31

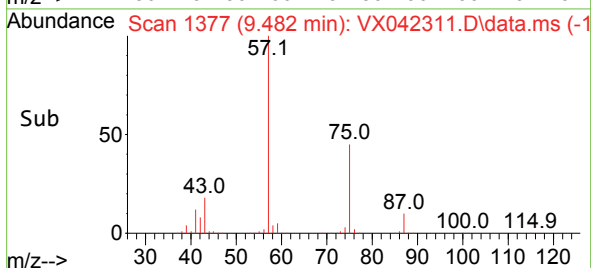
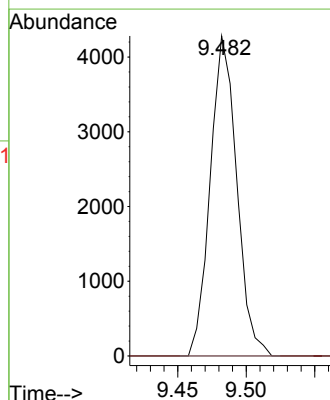
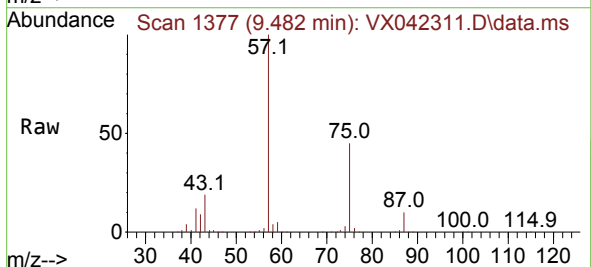
Instrument :
MSVOA_X
ClientSampleId :

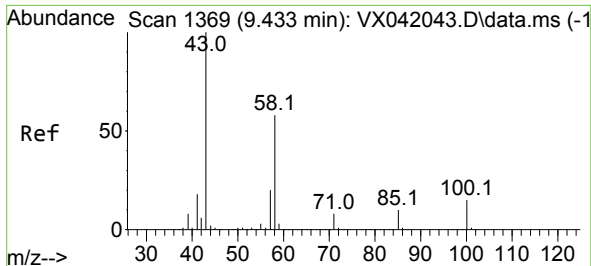
Tgt Ion: 75 Resp: 42962
Ion Ratio Lower Upper
75 100
77 0.5 25.3 37.9#
39 23.5 46.7 70.1#



#57
1,3-Dichloropropane
Concen: 2.356 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX042311.D
Acq: 12 Jul 2024 18:31

Tgt Ion: 76 Resp: 5760
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

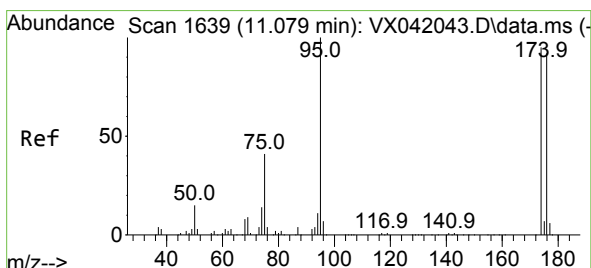
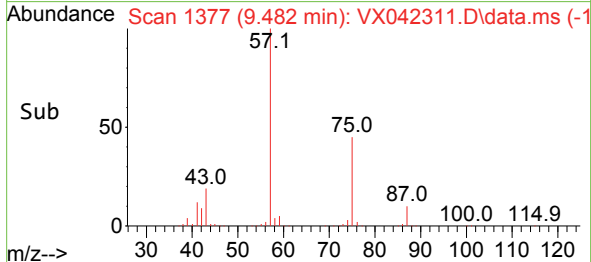
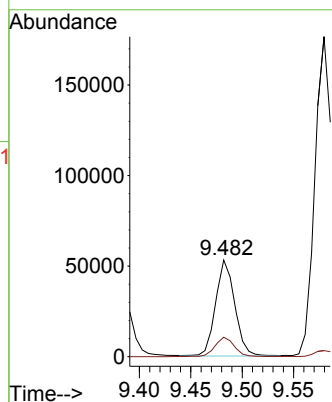
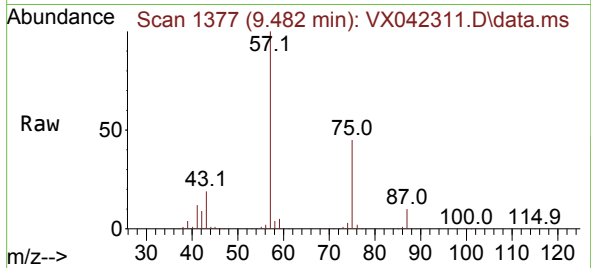




#59
2-Hexanone
Concen: 38.611 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX042311.D
Acq: 12 Jul 2024 18:31

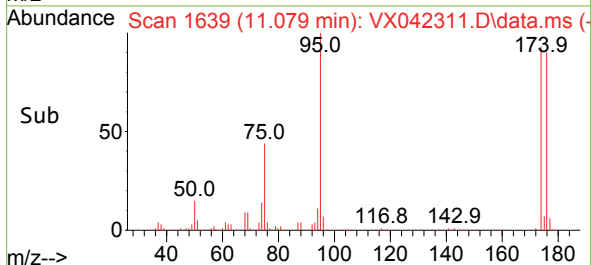
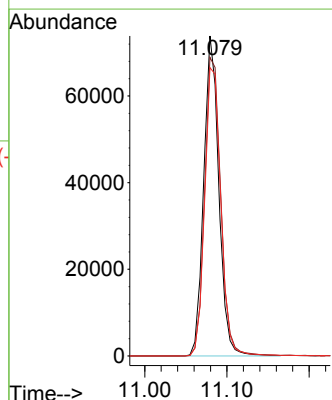
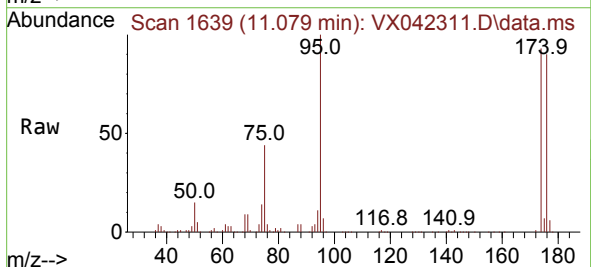
Instrument :
MSVOA_X
ClientSampleId :

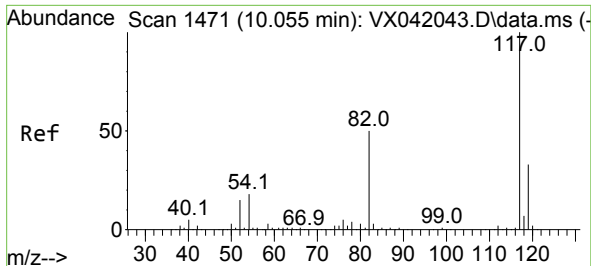
Tgt Ion: 43 Resp: 68886
Ion Ratio Lower Upper
43 100
58 20.9 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 45.716 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042311.D
Acq: 12 Jul 2024 18:31

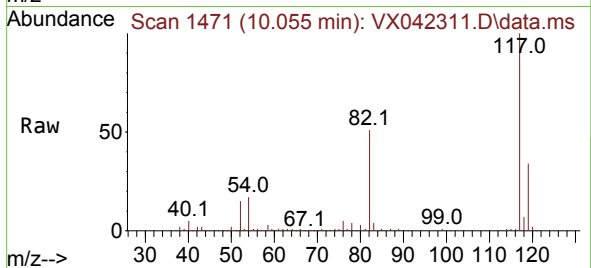
Tgt Ion: 95 Resp: 94287
Ion Ratio Lower Upper
95 100
174 99.7 0.0 135.6
176 96.8 0.0 131.0



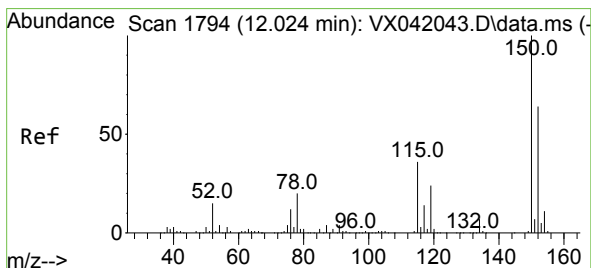
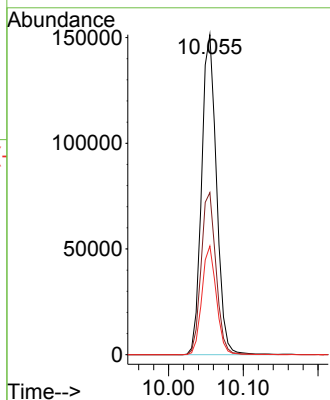
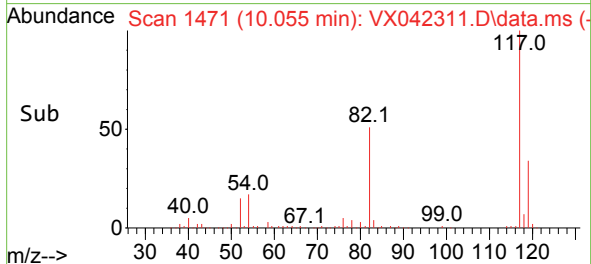


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042311.D
Acq: 12 Jul 2024 18:31

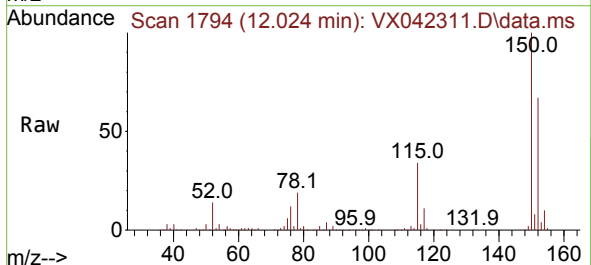
Instrument :
MSVOA_X
ClientSampleId :



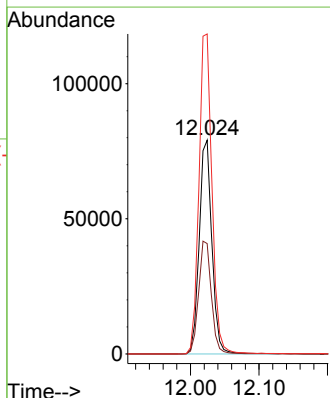
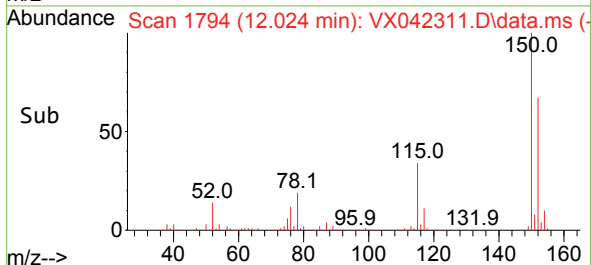
Tgt Ion:117 Resp: 209522
Ion Ratio Lower Upper
117 100
82 50.7 46.2 69.4
119 34.0 25.5 38.3

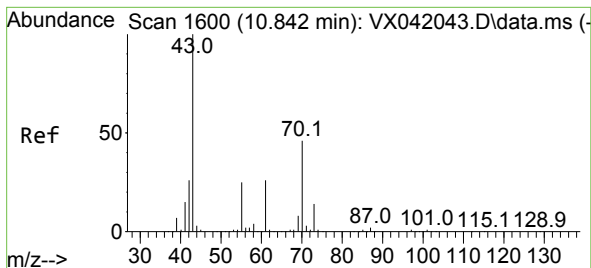


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX042311.D
Acq: 12 Jul 2024 18:31



Tgt Ion:152 Resp: 101844
Ion Ratio Lower Upper
152 100
115 53.3 43.3 129.9
150 153.5 0.0 345.0





#74

N-amy1 acetate

Concen: 0.301 ug/l

RT: 10.817 min Scan# 1

Delta R.T. -0.024 min

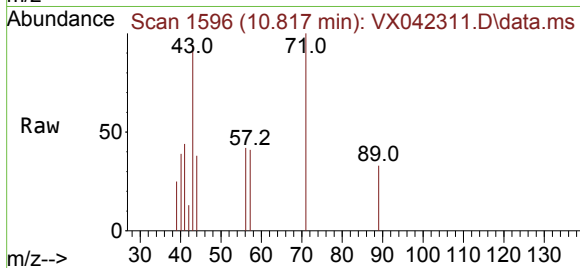
Lab File: VX042311.D

Acq: 12 Jul 2024 18:31

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 827

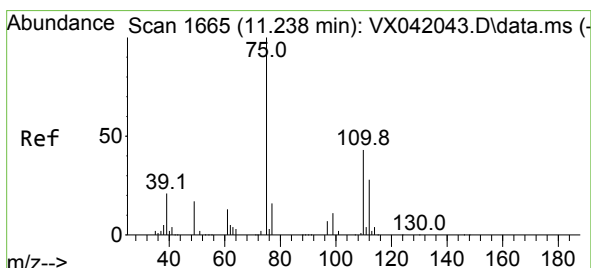
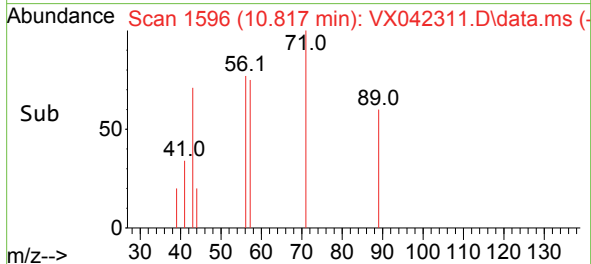
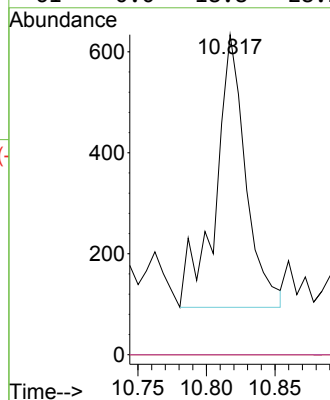
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 0.0 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 22.806 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX042311.D

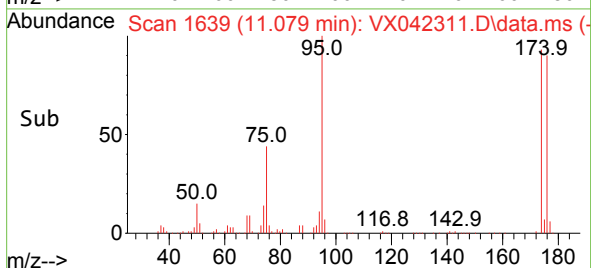
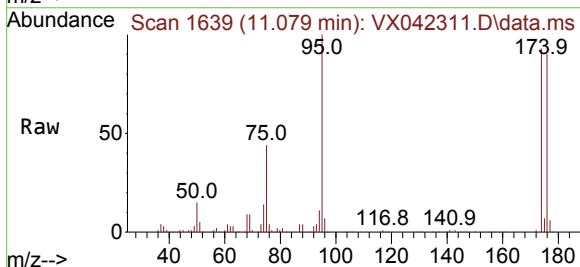
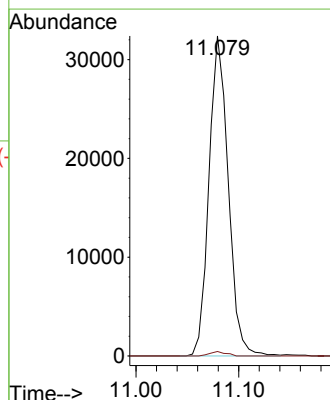
Acq: 12 Jul 2024 18:31

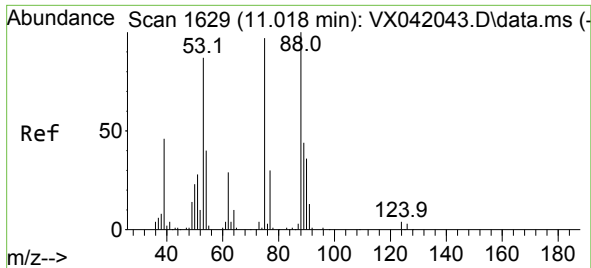
Tgt Ion: 75 Resp: 42166

Ion Ratio Lower Upper

75 100

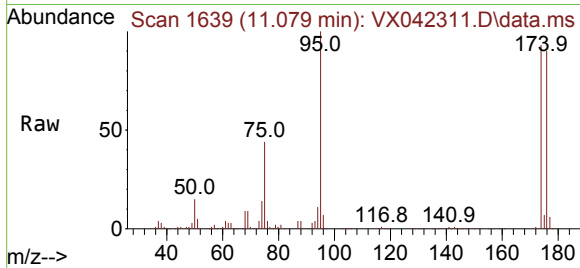
77 1.2 19.1 57.5#



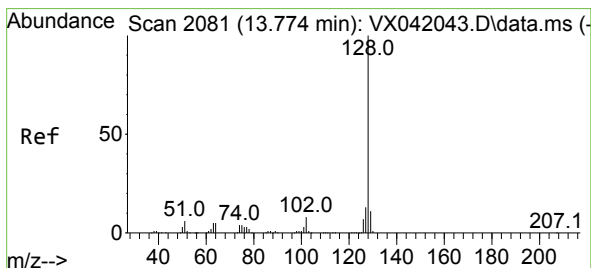
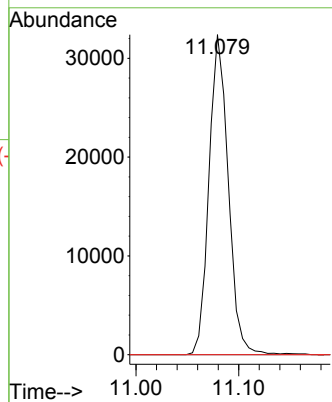
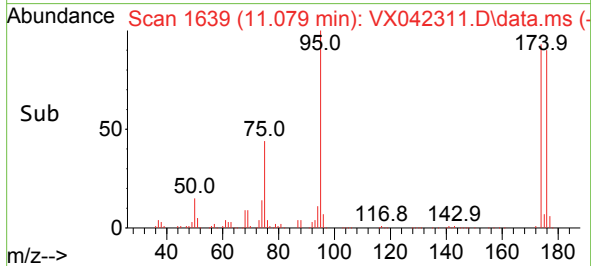


#81
trans-1,4-Dichloro-2-butene
Concen: 64.768 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX042311.D
Acq: 12 Jul 2024 18:31

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 42166
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.760 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX042311.D
Acq: 12 Jul 2024 18:31

Tgt Ion: 128 Resp: 89
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

