

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061324\
 Data File : VX041851.D
 Acq On : 13 Jun 2024 14:08
 Operator : JC/MD
 Sample : PB161467ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 14 00:58:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052924W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 30 07:36:24 2024
 Response via : Initial Calibration

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

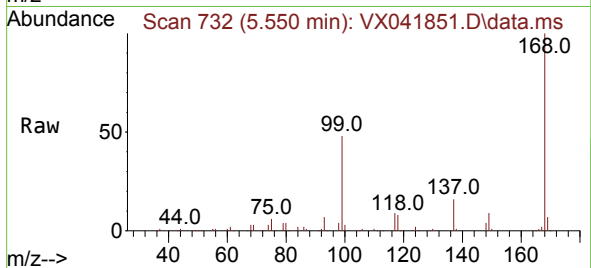
Internal Standards						
1) Pentafluorobenzene	5.550	168	168297	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	268019	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	271840	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	137231	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	91022	44.098	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.200%
35) Dibromofluoromethane	5.385	113	82164	44.339	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.680%
50) Toluene-d8	8.647	98	320104	49.438	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.880%
62) 4-Bromofluorobenzene	11.079	95	122725	51.355	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.700%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	3.001	59	687	1.881	ug/l	# 78
14) Allyl chloride	2.654	41	1472	0.596	ug/l	# 39
16) Acetone	2.392	43	88854	96.322	ug/l	# 88
18) Methyl Acetate	2.709	43	6970	3.536	ug/l	96
20) Methylene Chloride	2.788	84	9767	5.288	ug/l	95
25) 2-Butanone	4.574	43	21504	16.763	ug/l	93
29) Tetrahydrofuran	5.032	42	3219	3.979	ug/l	93
31) Cyclohexane	5.538	56	2521	1.034	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	9704	4.325	ug/l	# 51
37) Ethyl Acetate	4.739	43	2984	1.054	ug/l	97
38) Carbon Tetrachloride	5.550	117	13972	5.481	ug/l	# 15
41) Methacrylonitrile	5.038	41	1919	1.386	ug/l	# 46
43) Isopropyl Acetate	6.348	43	119888	28.042	ug/l	96
48) Methyl methacrylate	7.799	41	107096	52.163	ug/l	# 45
49) 1,4-Dioxane	7.793	88	170	3.790	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	97176	35.052	ug/l	# 46
53) t-1,3-Dichloropropene	8.952	75	849	0.364	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	45198	17.527	ug/l	# 51
57) 1,3-Dichloropropane	9.482	76	6187	2.077	ug/l	# 42
59) 2-Hexanone	9.482	43	78911	37.334	ug/l	# 55
74) N-amyl acetate	10.640	43	25468	6.754	ug/l	# 53
76) 1,2,3-Trichloropropane	11.079	75	55478	23.170	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	55478	63.150	ug/l	# 5

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

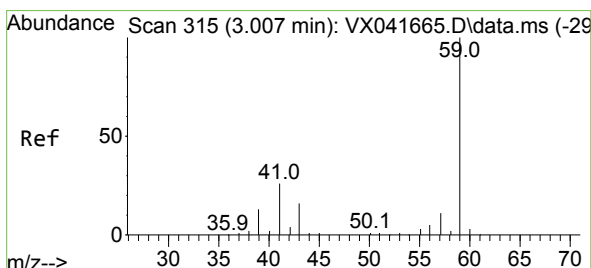
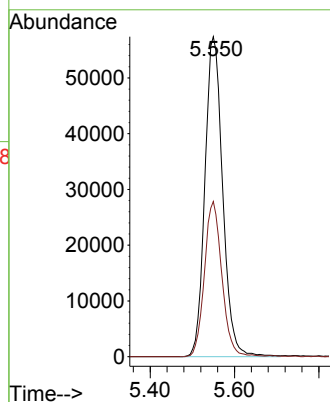
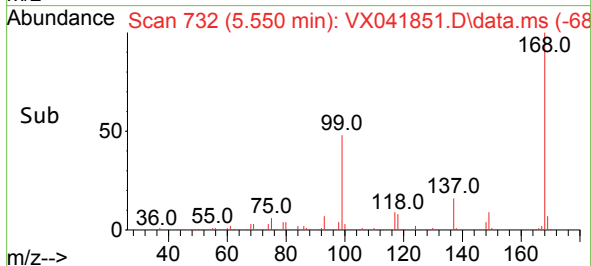


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041851.D
Acq: 13 Jun 2024 14:08

Instrument :
MSVOA_X
ClientSampleId :

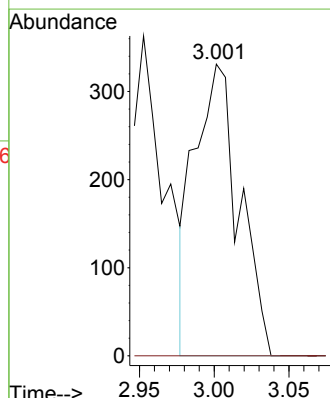
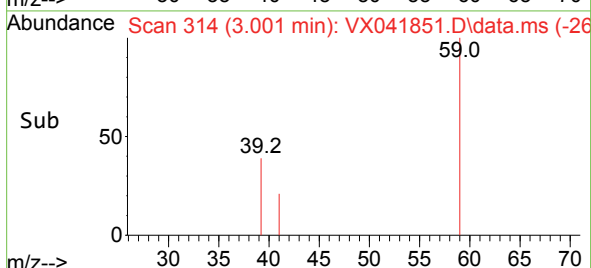
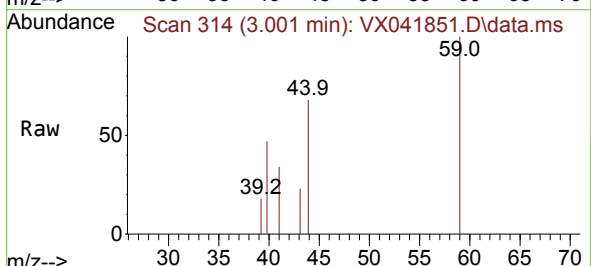


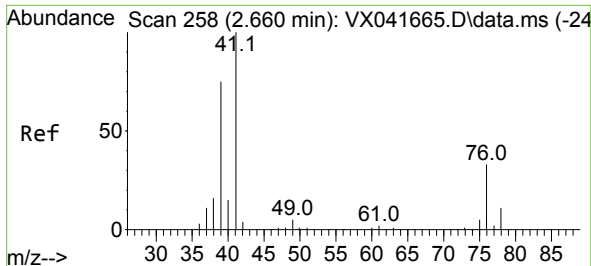
Tgt Ion:168 Resp: 168297
Ion Ratio Lower Upper
168 100
99 48.5 56.6 85.0#



#11
Tert butyl alcohol
Concen: 1.881 ug/l
RT: 3.001 min Scan# 314
Delta R.T. -0.006 min
Lab File: VX041851.D
Acq: 13 Jun 2024 14:08

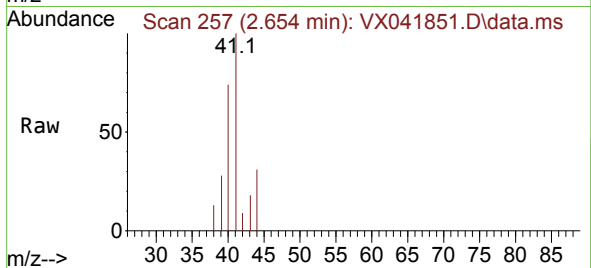
Tgt Ion: 59 Resp: 687
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



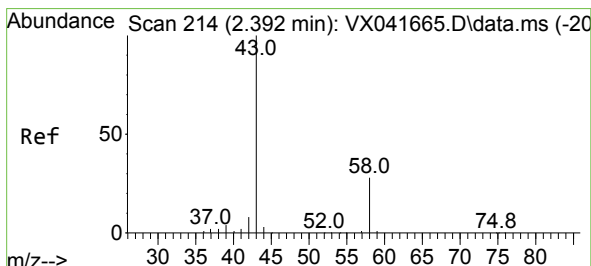
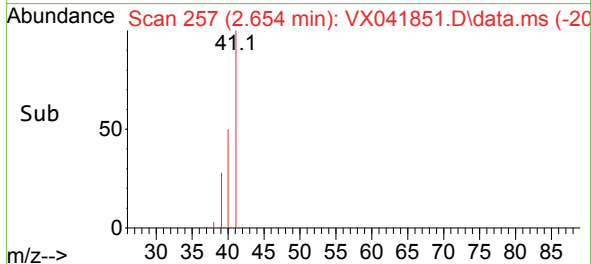
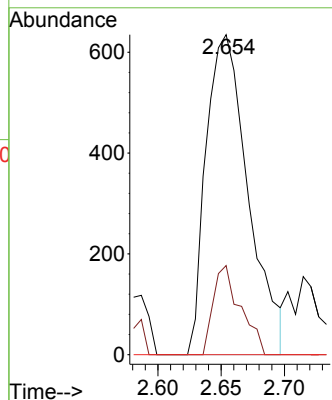


#14
 Allyl chloride
 Concen: 0.596 ug/l
 RT: 2.654 min Scan# 214
 Delta R.T. -0.006 min
 Lab File: VX041851.D
 Acq: 13 Jun 2024 14:08

Instrument :
 MSVOA_X
 ClientSampleId :

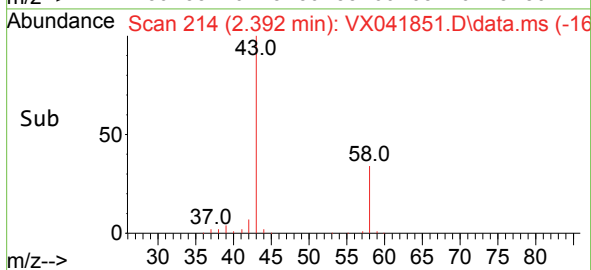
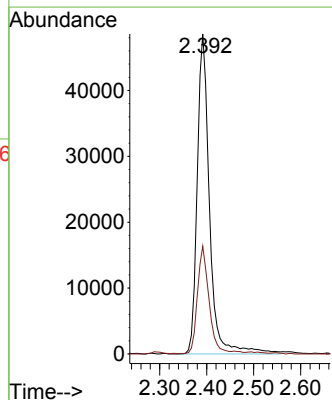
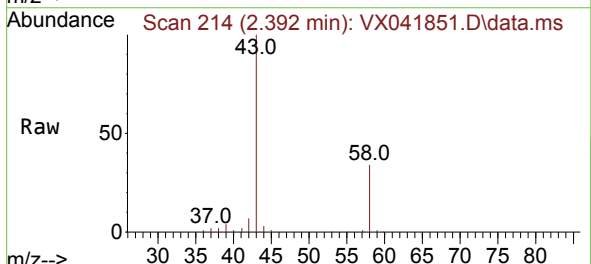


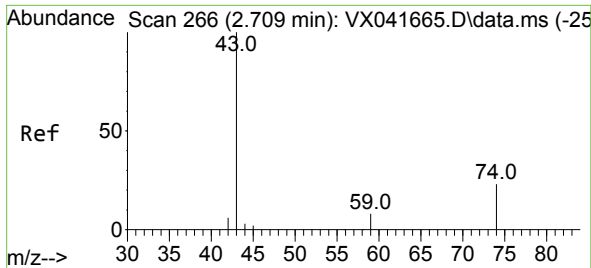
Tgt Ion: 41 Resp: 1472
 Ion Ratio Lower Upper
 41 100
 39 18.0 55.8 83.6#
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 96.322 ug/l
 RT: 2.392 min Scan# 214
 Delta R.T. -0.000 min
 Lab File: VX041851.D
 Acq: 13 Jun 2024 14:08

Tgt Ion: 43 Resp: 88854
 Ion Ratio Lower Upper
 43 100
 58 33.6 21.9 32.9#

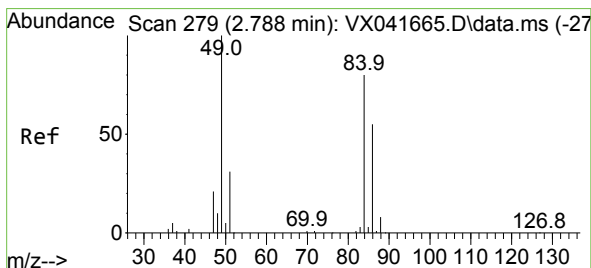
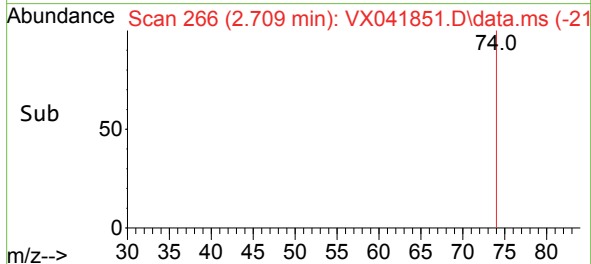
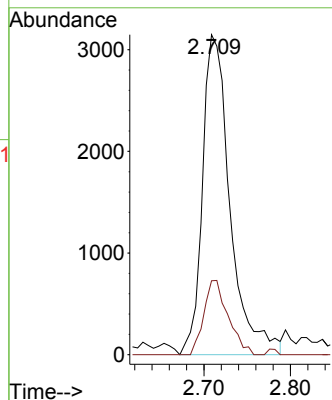
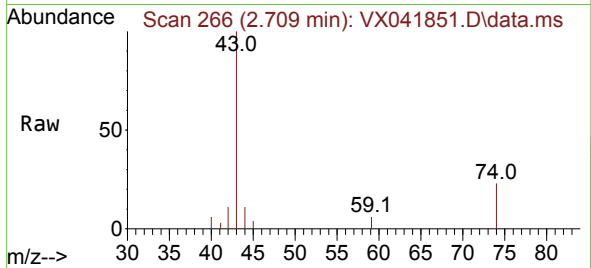




#18
Methyl Acetate
Concen: 3.536 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX041851.D
Acq: 13 Jun 2024 14:08

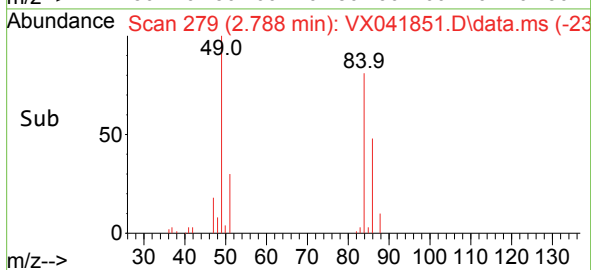
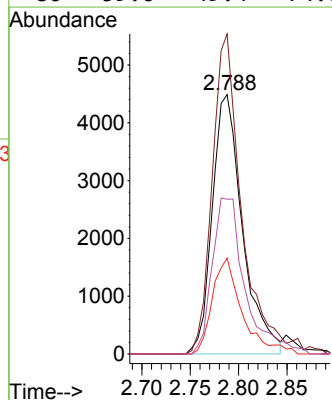
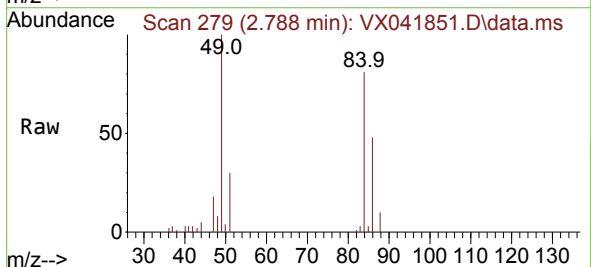
Instrument :
MSVOA_X
ClientSampleId :

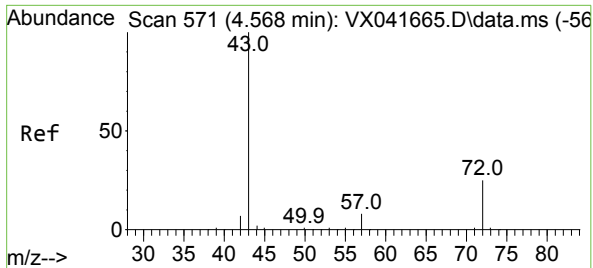
Tgt Ion: 43 Resp: 6970
Ion Ratio Lower Upper
43 100
74 20.4 17.8 26.8



#20
Methylene Chloride
Concen: 5.288 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX041851.D
Acq: 13 Jun 2024 14:08

Tgt Ion: 84 Resp: 9767
Ion Ratio Lower Upper
84 100
49 123.4 103.6 155.4
51 37.0 33.8 50.6
86 59.6 49.4 74.0

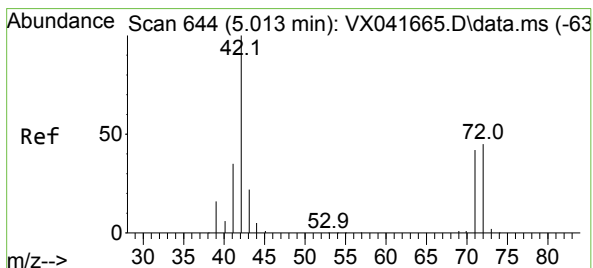
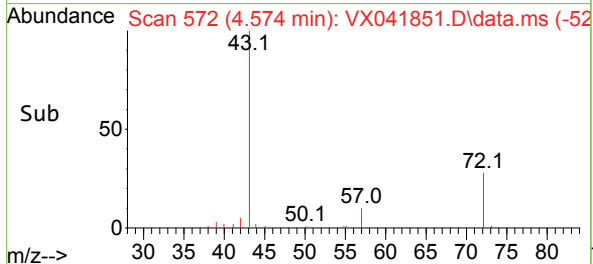
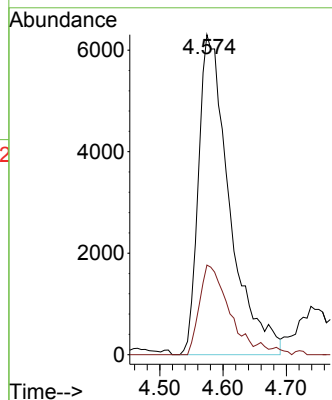
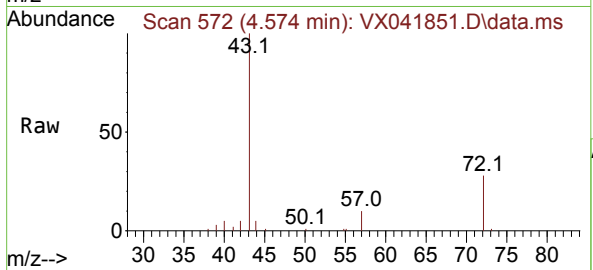




#25
2-Butanone
Concen: 16.763 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX041851.D
Acq: 13 Jun 2024 14:08

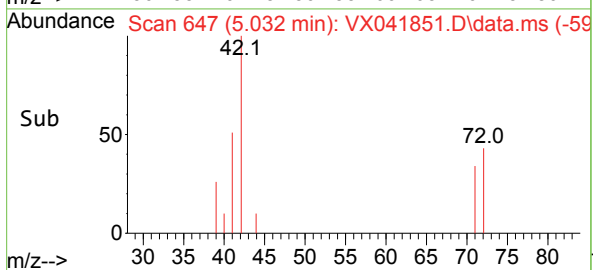
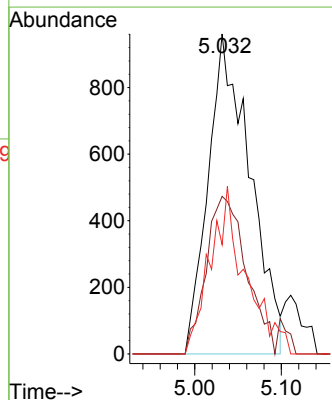
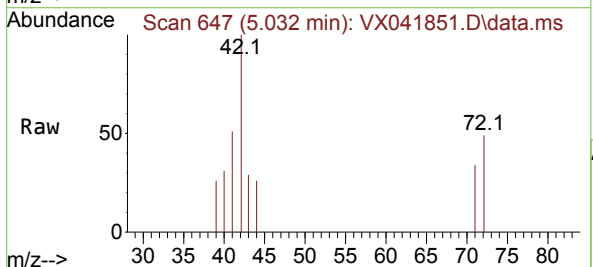
Instrument :
MSVOA_X
ClientSampleId :

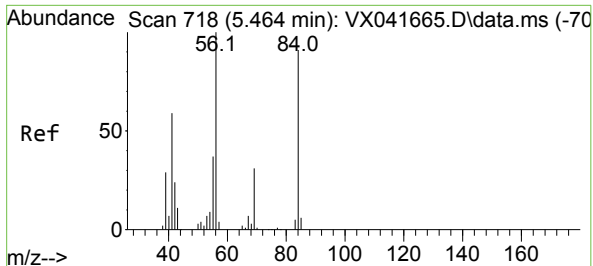
Tgt Ion: 43 Resp: 21504
Ion Ratio Lower Upper
43 100
72 28.0 19.4 29.2



#29
Tetrahydrofuran
Concen: 3.979 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.018 min
Lab File: VX041851.D
Acq: 13 Jun 2024 14:08

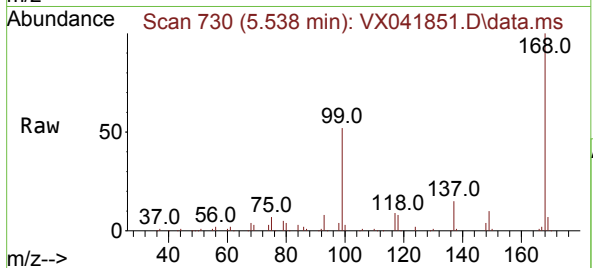
Tgt Ion: 42 Resp: 3219
Ion Ratio Lower Upper
42 100
72 47.5 34.2 51.4
71 44.1 32.2 48.2



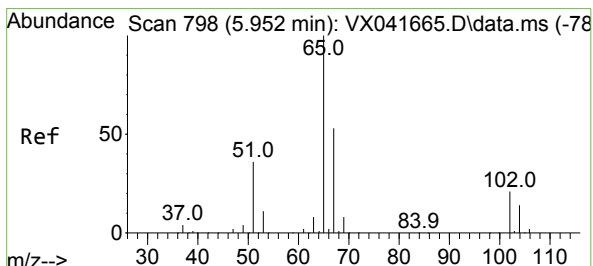
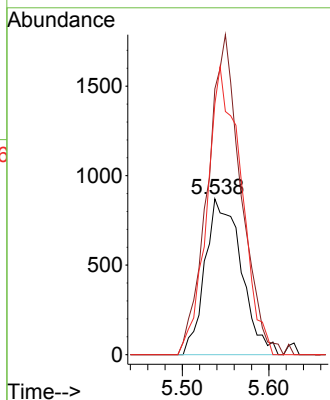
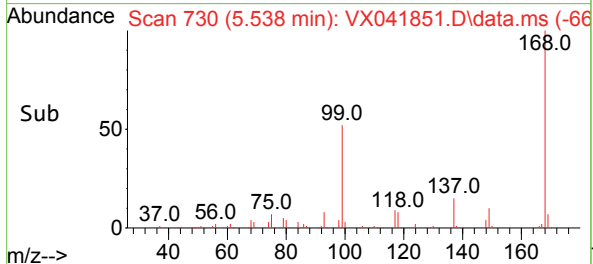


#31
Cyclohexane
Concen: 1.034 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX041851.D
Acq: 13 Jun 2024 14:08

Instrument :
MSVOA_X
ClientSampleId :

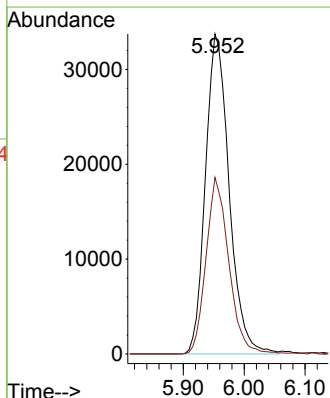
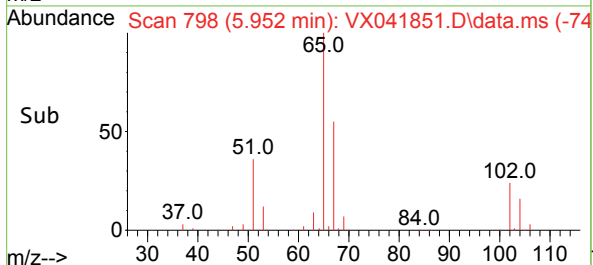
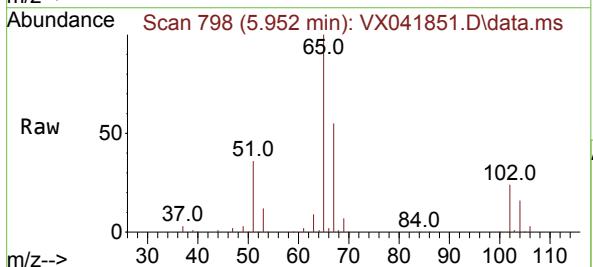


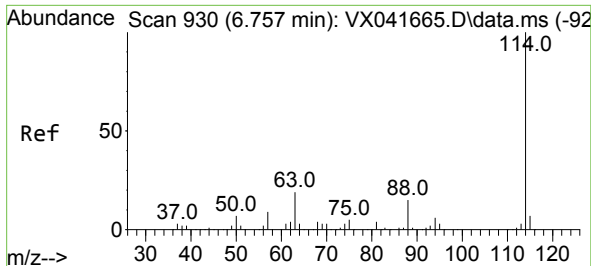
Tgt Ion: 56 Resp: 2521
Ion Ratio Lower Upper
56 100
69 170.5 23.4 35.2#
84 160.8 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 44.098 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX041851.D
Acq: 13 Jun 2024 14:08

Tgt Ion: 65 Resp: 91022
Ion Ratio Lower Upper
65 100
67 53.2 0.0 100.2

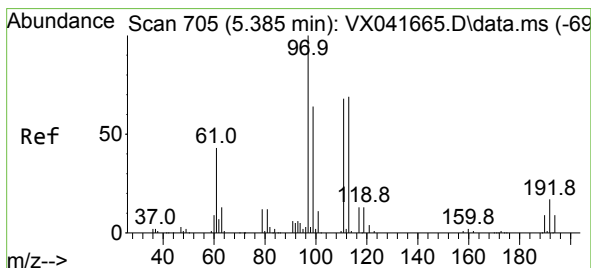
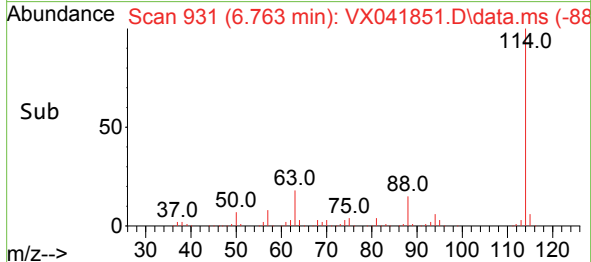
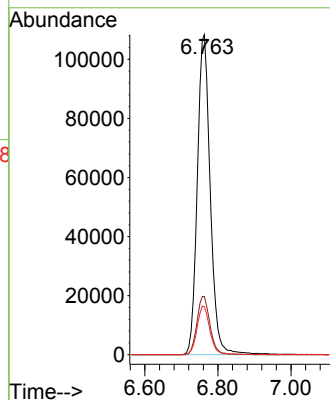
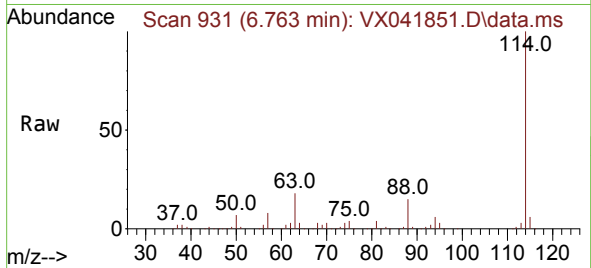




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX041851.D
Acq: 13 Jun 2024 14:08

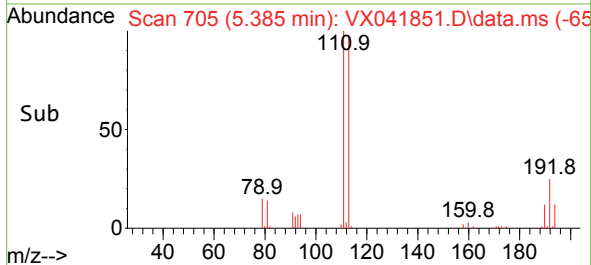
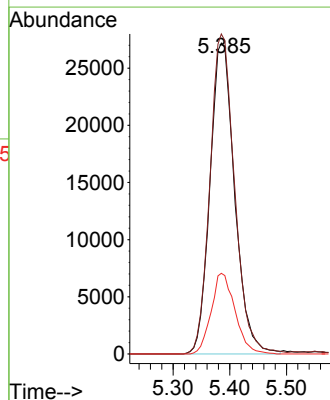
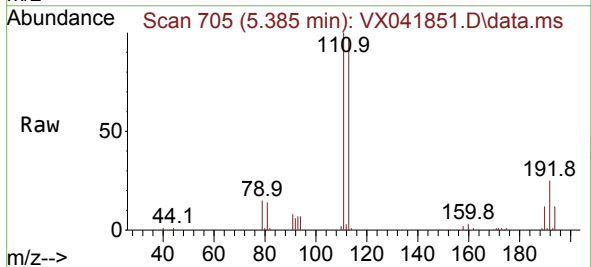
Instrument :
MSVOA_X
ClientSampleId :

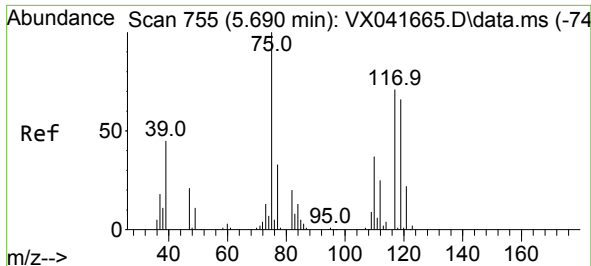
Tgt Ion:114 Resp: 268019
Ion Ratio Lower Upper
114 100
63 18.2 0.0 45.0
88 15.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.339 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041851.D
Acq: 13 Jun 2024 14:08

Tgt Ion:113 Resp: 82164
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 25.1 13.3 19.9#

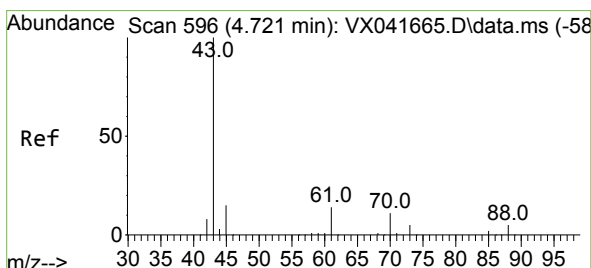
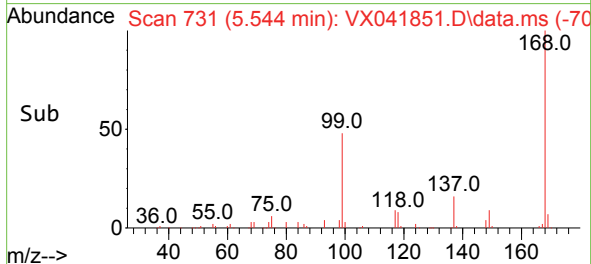
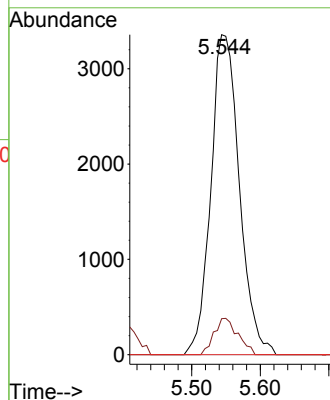
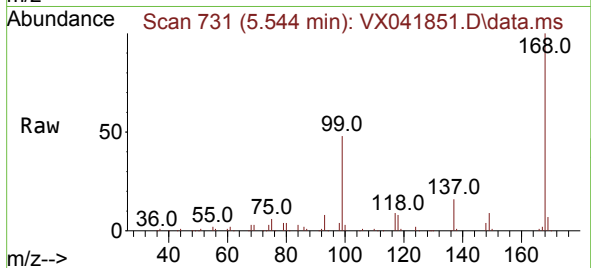




#36
1,1-Dichloropropene
Concen: 4.325 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX041851.D
Acq: 13 Jun 2024 14:08

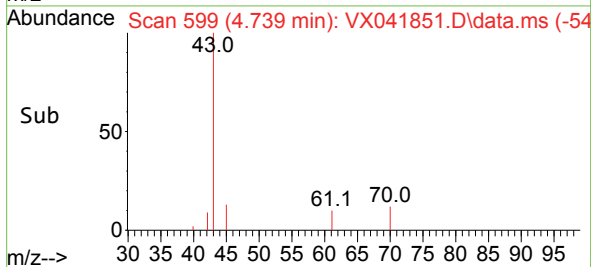
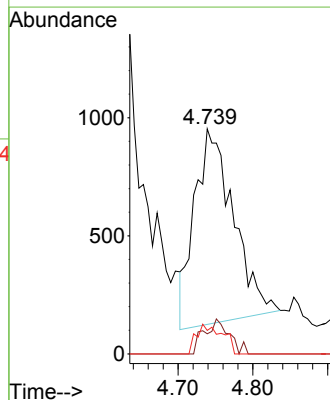
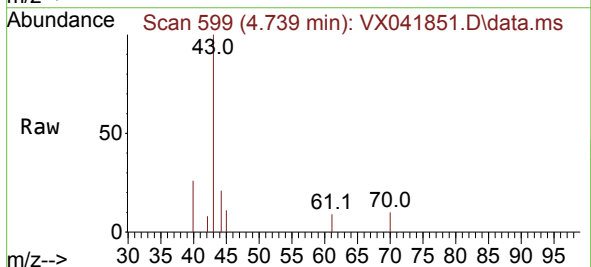
Instrument :
MSVOA_X
ClientSampleId :

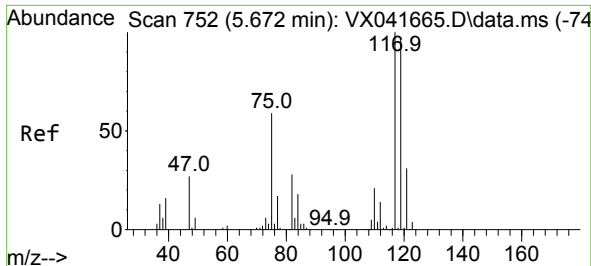
Tgt Ion: 75 Resp: 9704
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.054 ug/l
RT: 4.739 min Scan# 599
Delta R.T. 0.018 min
Lab File: VX041851.D
Acq: 13 Jun 2024 14:08

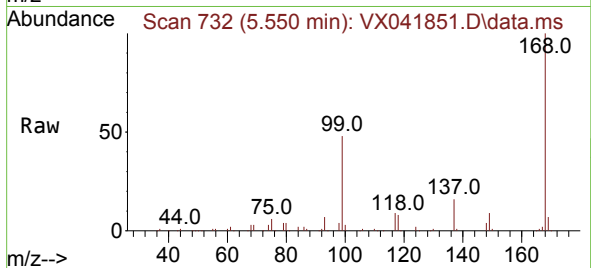
Tgt Ion: 43 Resp: 2984
Ion Ratio Lower Upper
43 100
61 11.5 10.6 16.0
70 10.2 8.3 12.5



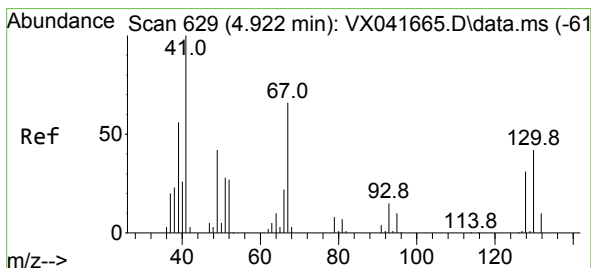
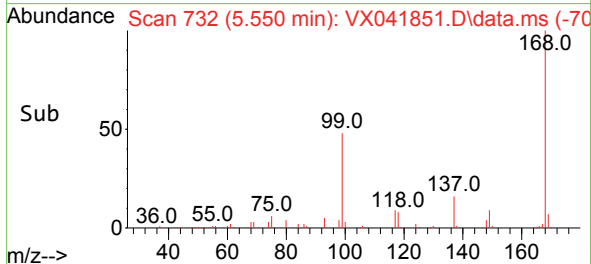
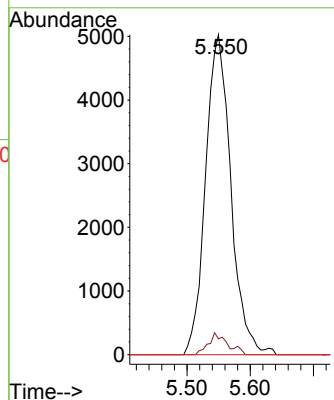


#38
Carbon Tetrachloride
Concen: 5.481 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX041851.D
Acq: 13 Jun 2024 14:08

Instrument :
MSVOA_X
ClientSampleId :

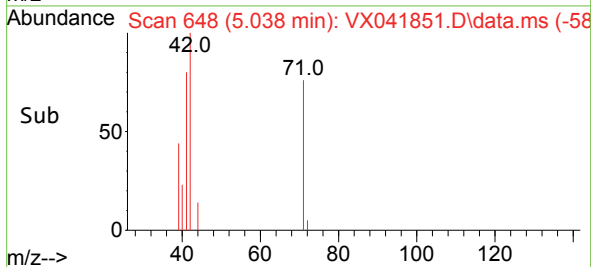
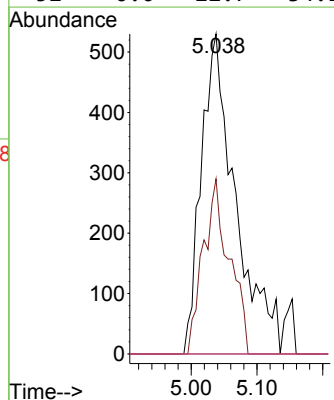
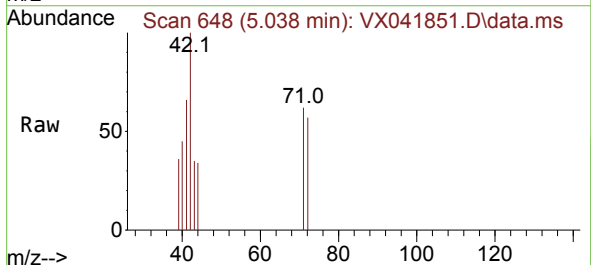


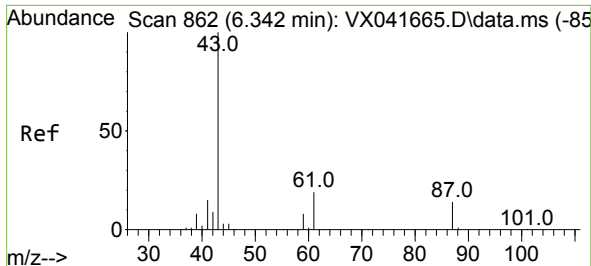
Tgt Ion:117 Resp: 13972
Ion Ratio Lower Upper
117 100
119 4.9 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 1.386 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.116 min
Lab File: VX041851.D
Acq: 13 Jun 2024 14:08

Tgt Ion: 41 Resp: 1919
Ion Ratio Lower Upper
41 100
39 41.7 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

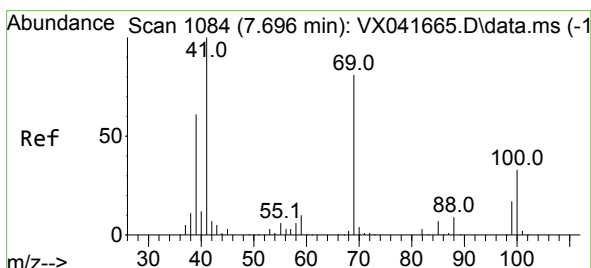
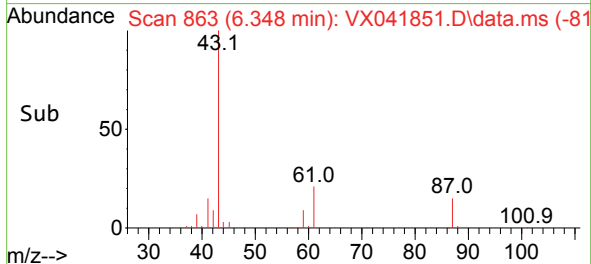
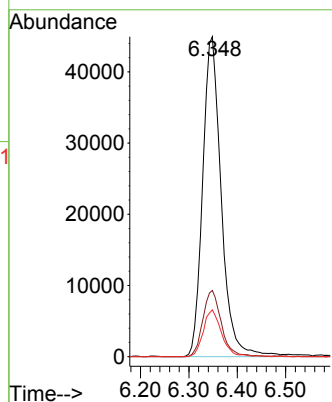
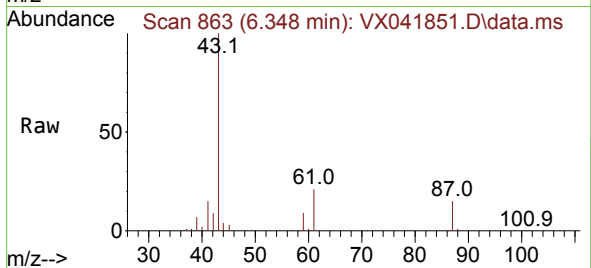




#43
Isopropyl Acetate
Concen: 28.042 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX041851.D
Acq: 13 Jun 2024 14:08

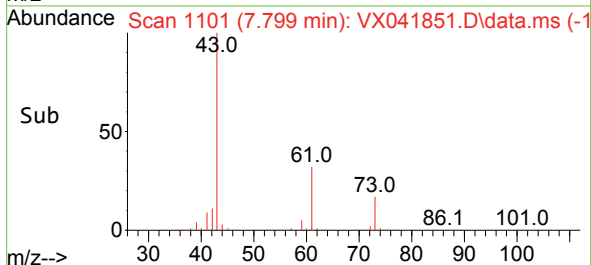
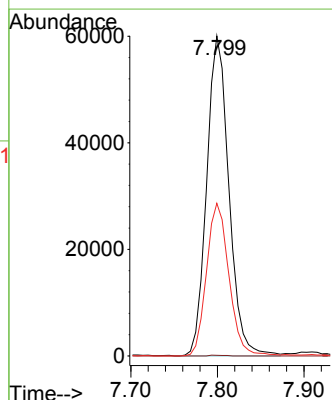
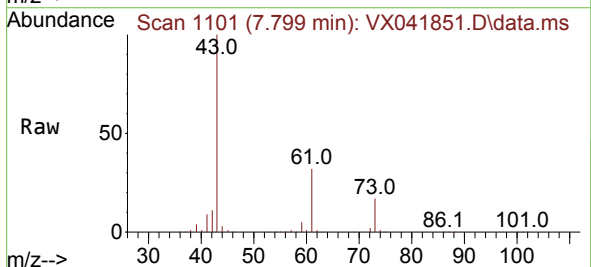
Instrument :
MSVOA_X
ClientSampleId :

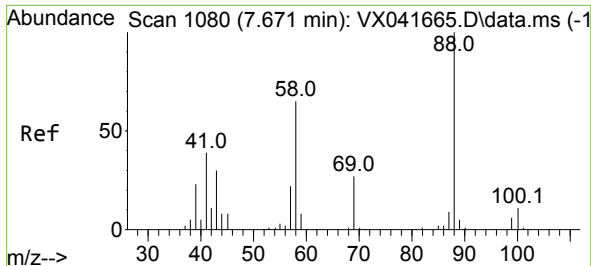
Tgt Ion: 43 Resp: 119888
Ion Ratio Lower Upper
43 100
61 20.6 15.2 22.8
87 14.4 9.8 14.6



#48
Methyl methacrylate
Concen: 52.163 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX041851.D
Acq: 13 Jun 2024 14:08

Tgt Ion: 41 Resp: 107096
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 48.4 47.7 71.5

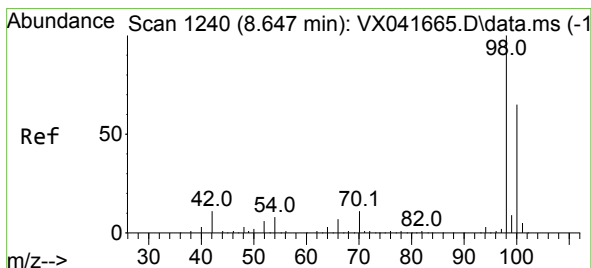
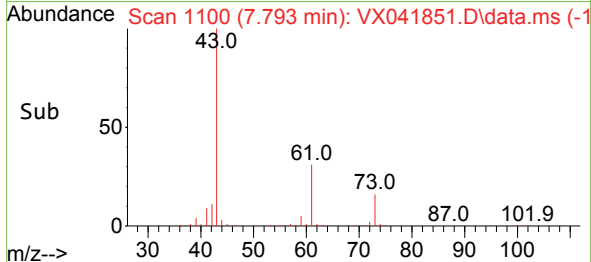
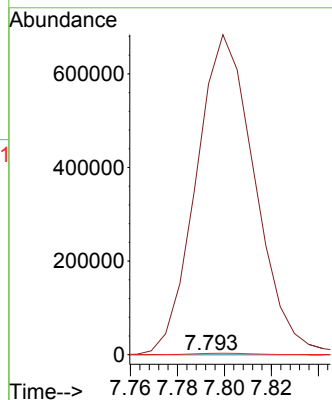
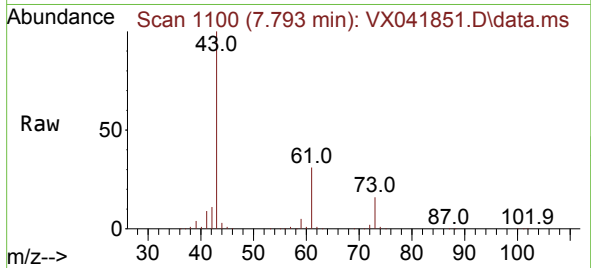




#49
1,4-Dioxane
Concen: 3.790 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.122 min
Lab File: VX041851.D
Acq: 13 Jun 2024 14:08

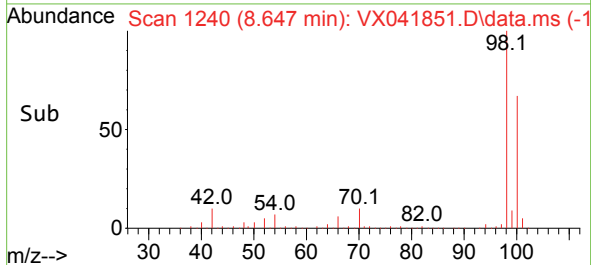
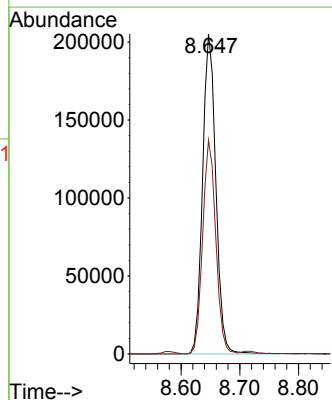
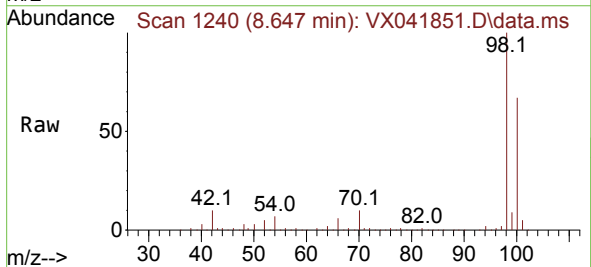
Instrument :
MSVOA_X
ClientSampleId :

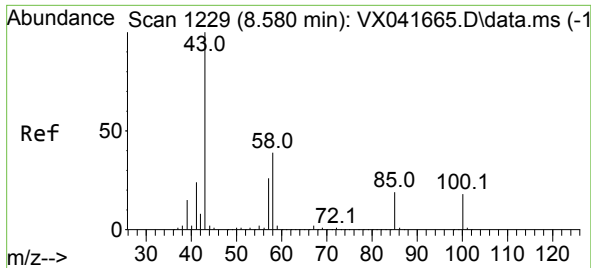
Tgt Ion: 88 Resp: 170
Ion Ratio Lower Upper
88 100
43 711471.2 0.0 0.0#
58 3295.9 60.1 90.1#



#50
Toluene-d8
Concen: 49.438 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041851.D
Acq: 13 Jun 2024 14:08

Tgt Ion: 98 Resp: 320104
Ion Ratio Lower Upper
98 100
100 66.0 53.1 79.7

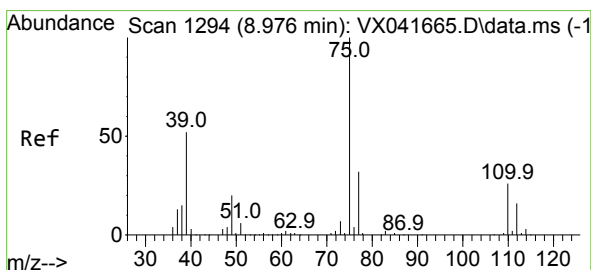
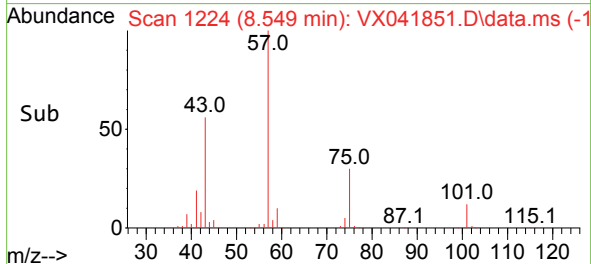
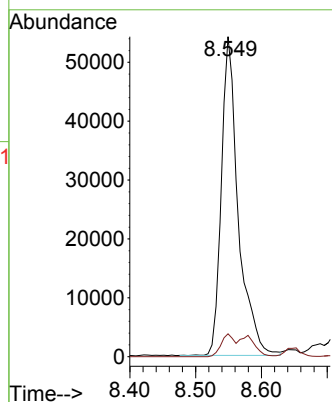
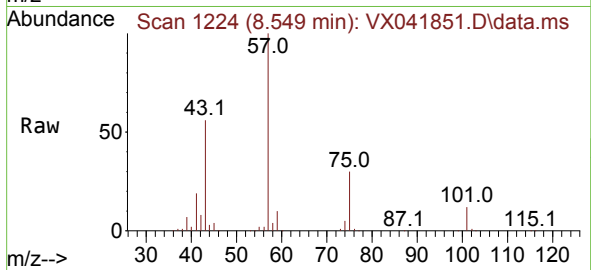




#51
4-Methyl-2-Pentanone
Concen: 35.052 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX041851.D
Acq: 13 Jun 2024 14:08

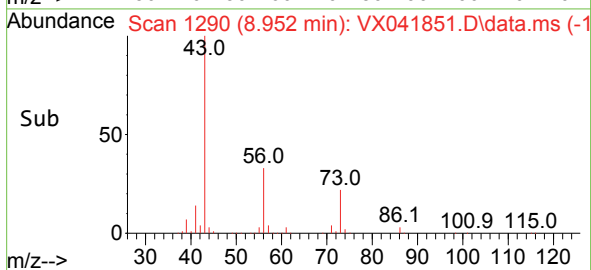
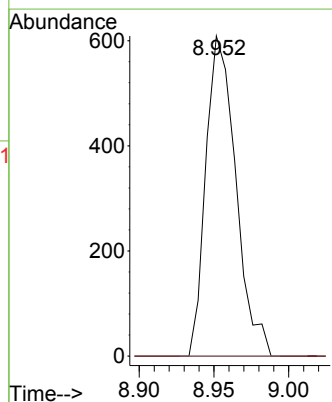
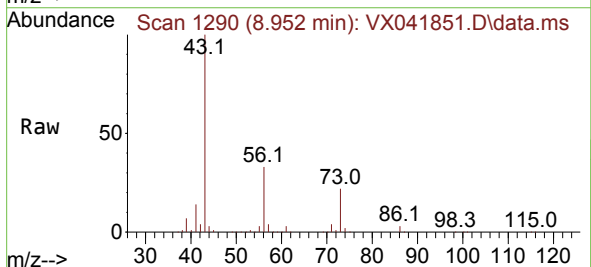
Instrument :
MSVOA_X
ClientSampleId :

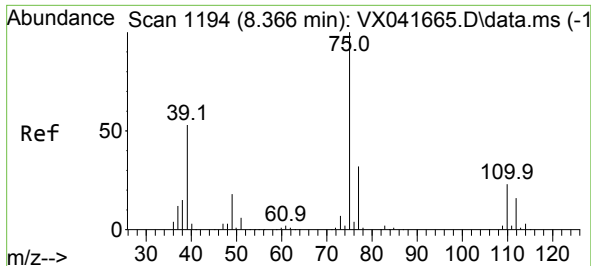
Tgt Ion: 43 Resp: 97176
Ion Ratio Lower Upper
43 100
58 5.7 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.364 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX041851.D
Acq: 13 Jun 2024 14:08

Tgt Ion: 75 Resp: 849
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

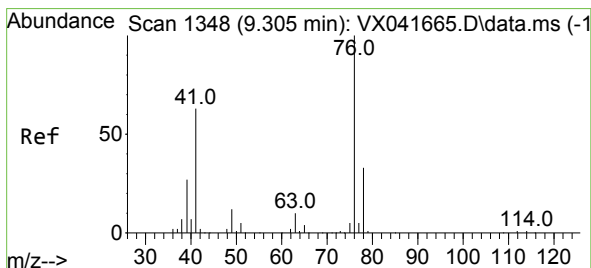
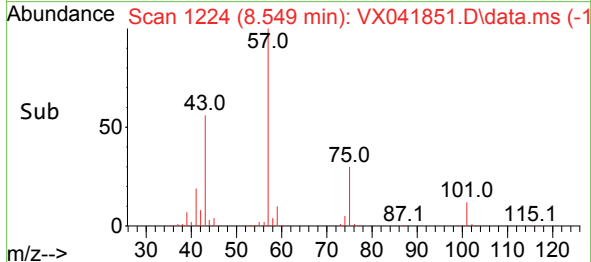
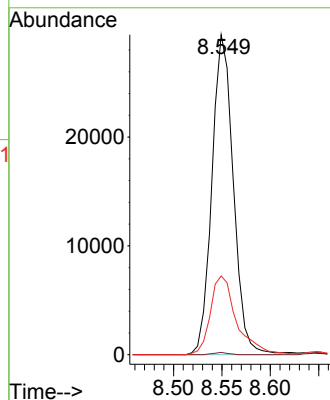
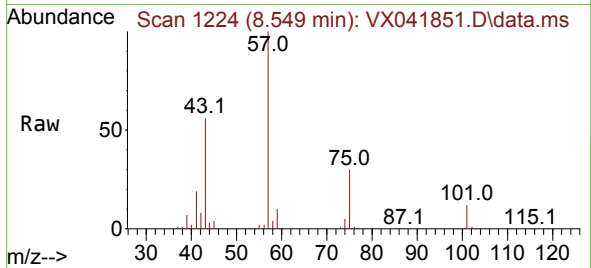




#54
 cis-1,3-Dichloropropene
 Concen: 17.527 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX041851.D
 Acq: 13 Jun 2024 14:08

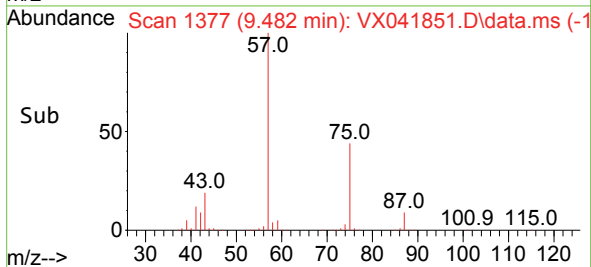
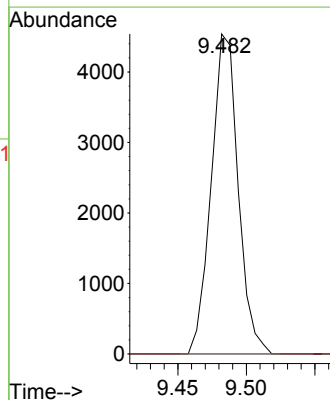
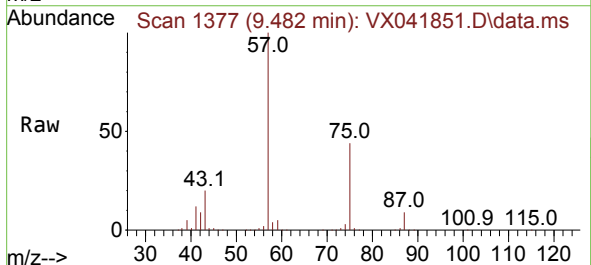
Instrument :
 MSVOA_X
 ClientSampleId :

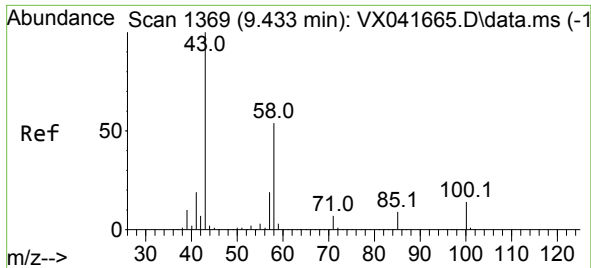
Tgt Ion: 75 Resp: 45198
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.3 37.9#
 39 24.6 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 2.077 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX041851.D
 Acq: 13 Jun 2024 14:08

Tgt Ion: 76 Resp: 6187
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

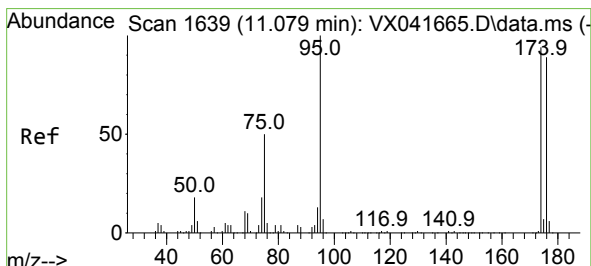
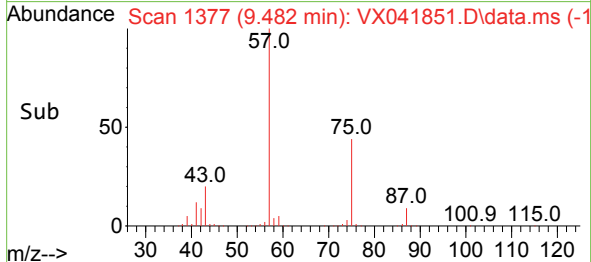
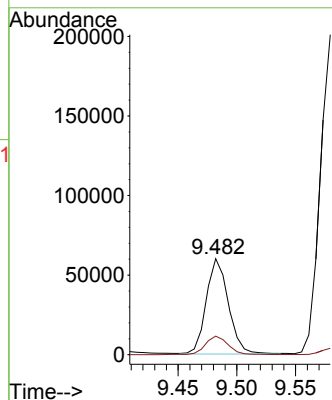
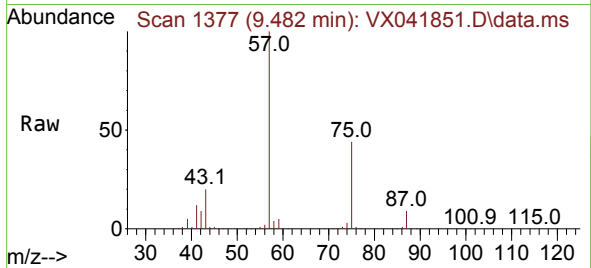




#59
2-Hexanone
Concen: 37.334 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX041851.D
Acq: 13 Jun 2024 14:08

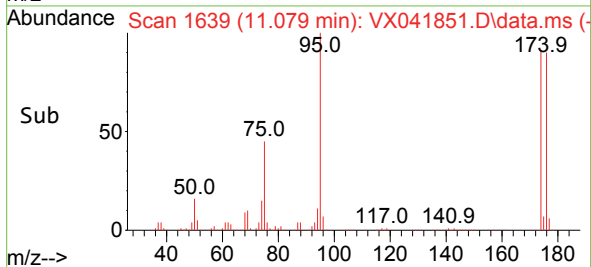
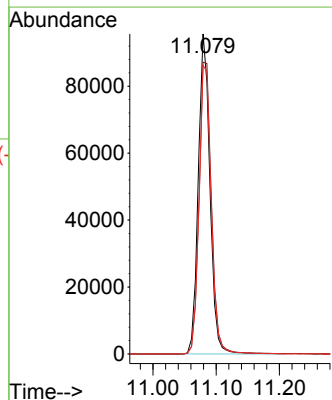
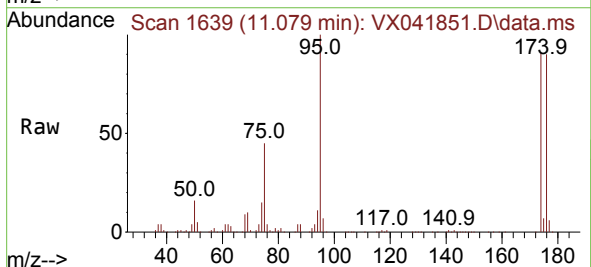
Instrument :
MSVOA_X
ClientSampleId :

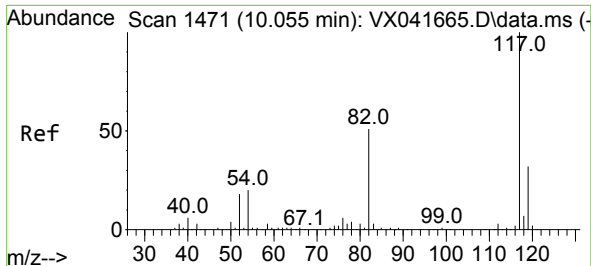
Tgt Ion: 43 Resp: 78911
Ion Ratio Lower Upper
43 100
58 20.3 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 51.355 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041851.D
Acq: 13 Jun 2024 14:08

Tgt Ion: 95 Resp: 122725
Ion Ratio Lower Upper
95 100
174 97.1 0.0 135.6
176 94.1 0.0 131.0

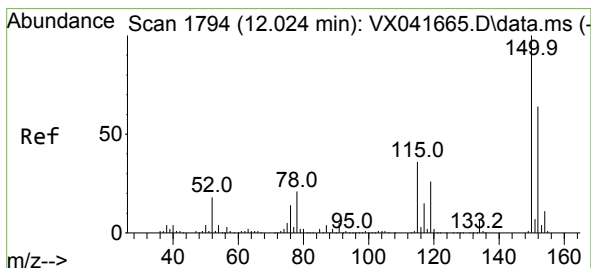
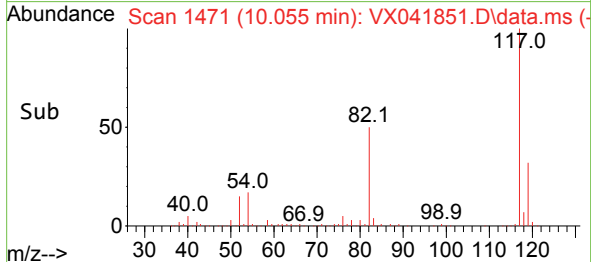
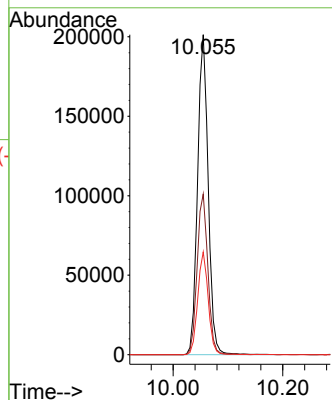
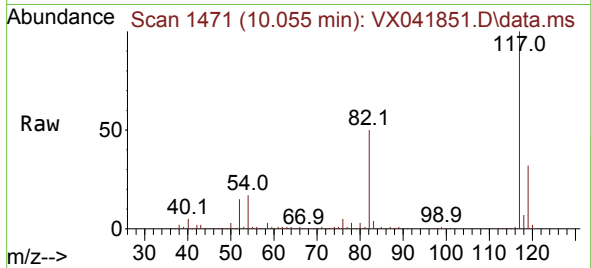




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041851.D
Acq: 13 Jun 2024 14:08

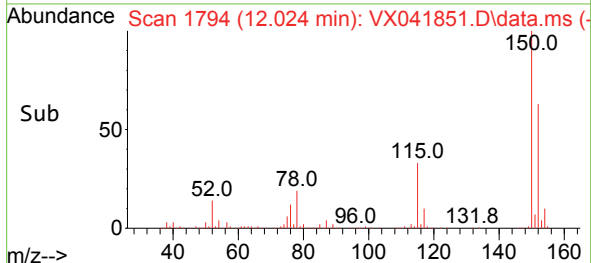
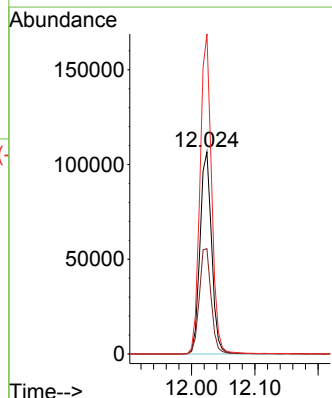
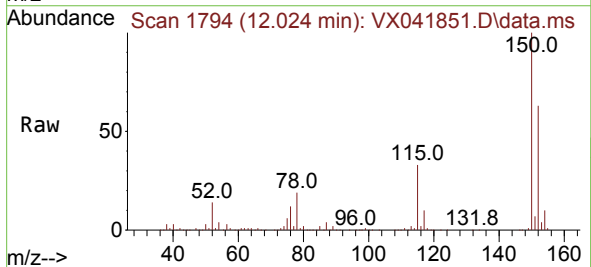
Instrument :
MSVOA_X
ClientSampleId :

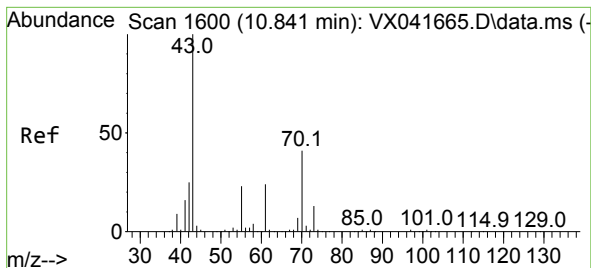
Tgt Ion:117 Resp: 271840
Ion Ratio Lower Upper
117 100
82 50.2 46.2 69.4
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX041851.D
Acq: 13 Jun 2024 14:08

Tgt Ion:152 Resp: 137231
Ion Ratio Lower Upper
152 100
115 53.2 43.3 129.9
150 156.9 0.0 345.0





#74

N-amy1 acetate

Concen: 6.754 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

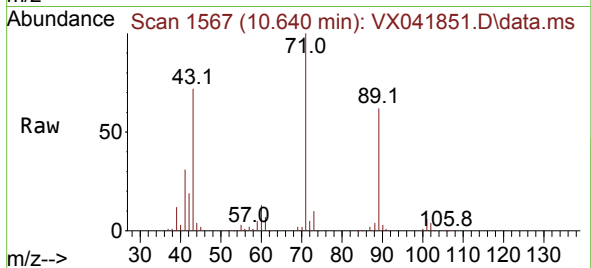
Lab File: VX041851.D

Acq: 13 Jun 2024 14:08

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 25468

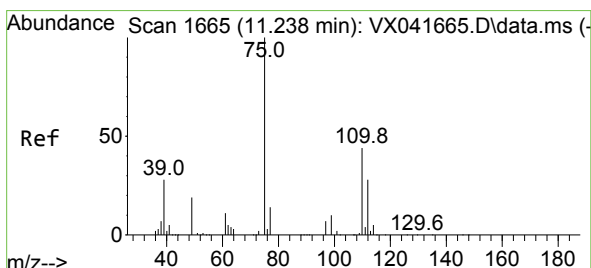
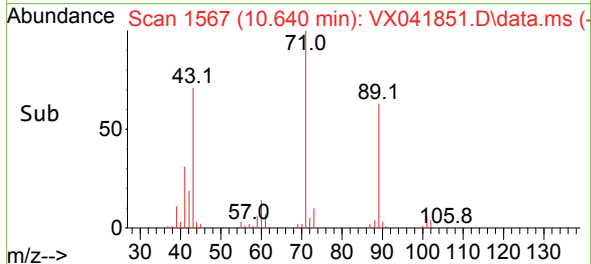
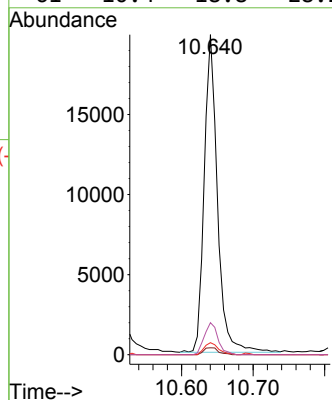
Ion Ratio Lower Upper

43 100

70 2.4 32.9 49.3#

55 4.1 19.3 28.9#

61 10.4 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 23.170 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041851.D

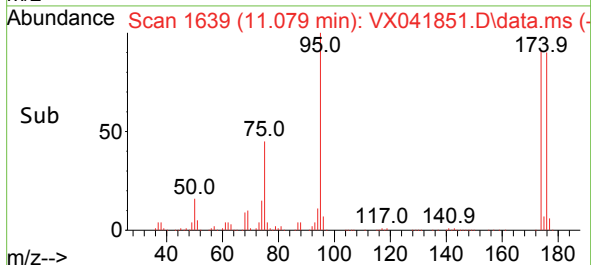
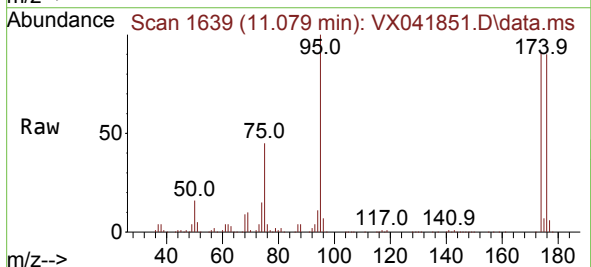
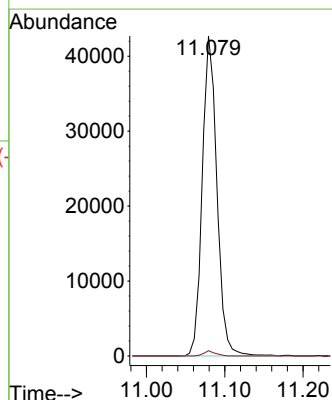
Acq: 13 Jun 2024 14:08

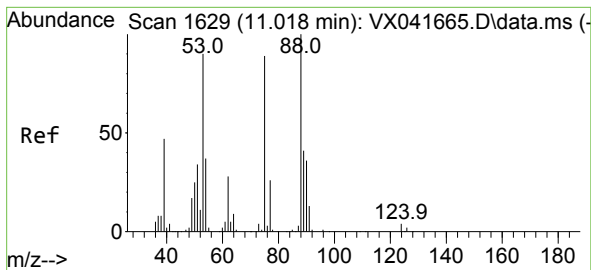
Tgt Ion: 75 Resp: 55478

Ion Ratio Lower Upper

75 100

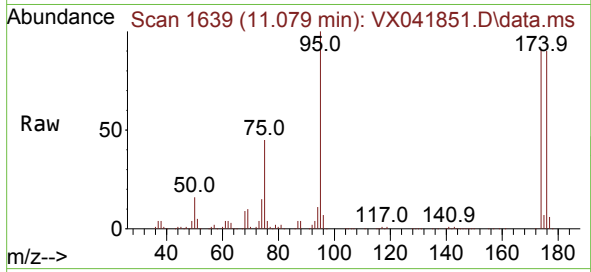
77 1.3 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 63.150 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX041851.D
Acq: 13 Jun 2024 14:08

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 55478
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

