

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052924\
 Data File : VX041676.D
 Acq On : 29 May 2024 16:06
 Operator : JC/MD
 Sample : PB161143ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

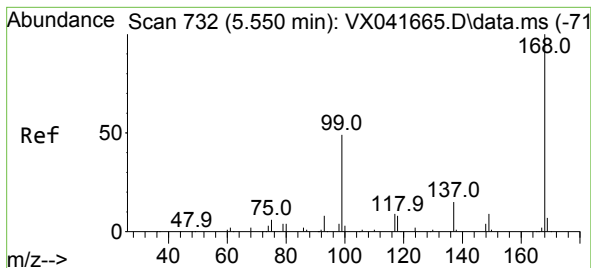
Quant Time: May 30 07:44:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052924W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 30 07:36:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	143446	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	219037	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	218036	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	82945	47.146	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.300%
35) Dibromofluoromethane	5.385	113	69189	45.687	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.380%
50) Toluene-d8	8.647	98	260061	49.147	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.300%
62) 4-Bromofluorobenzene	11.079	95	98698	50.537	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.080%
Target Compounds						
						Qvalue
3) Chloromethane	1.295	50	283	0.206	ug/l	# 43
5) Bromomethane	1.599	94	228	0.231	ug/l	84
11) Tert butyl alcohol	2.941	59	1858	5.970	ug/l	# 78
13) Acrolein	2.246	56	85	0.293	ug/l	95
14) Allyl chloride	2.654	41	474	0.225	ug/l	# 39
16) Acetone	2.386	43	25570	30.492	ug/l	92
17) Carbon Disulfide	2.502	76	643	0.227	ug/l	# 76
18) Methyl Acetate	2.709	43	2692	1.603	ug/l	99
20) Methylene Chloride	2.788	84	10977	6.972	ug/l	91
25) 2-Butanone	4.593	43	2220	2.030	ug/l	# 85
29) Tetrahydrofuran	5.044	42	521	0.756	ug/l	# 45
31) Cyclohexane	5.544	56	2555	1.230	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	9254	5.047	ug/l	# 51
37) Ethyl Acetate	4.757	43	3031	1.310	ug/l	# 69
38) Carbon Tetrachloride	5.544	117	13192	6.332	ug/l	# 16
43) Isopropyl Acetate	6.342	43	118477	33.909	ug/l	98
48) Methyl methacrylate	7.799	41	109897	65.497	ug/l	# 48
49) 1,4-Dioxane	7.799	88	154	4.201	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	91785	40.511	ug/l	# 50
53) t-1,3-Dichloropropene	8.952	75	672	0.353	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	40737	19.330	ug/l	# 58
57) 1,3-Dichloropropane	9.482	76	5854	2.405	ug/l	# 42
59) 2-Hexanone	9.482	43	77804	45.042	ug/l	# 53
74) N-amyl acetate	10.817	43	772	0.261	ug/l	# 47
76) 1,2,3-Trichloropropane	11.079	75	50411	26.805	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	50411	73.057	ug/l	# 5

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

Quant Time: May 30 07:44:30 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX041676.D

Acq: 29 May 2024 16:06

Instrument :

MSVOA_X

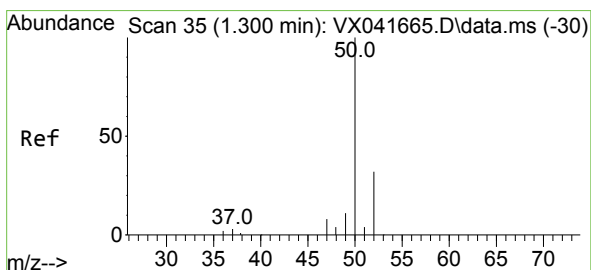
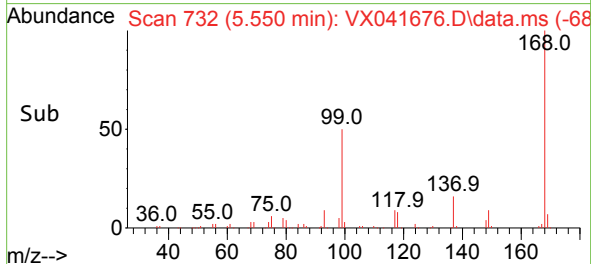
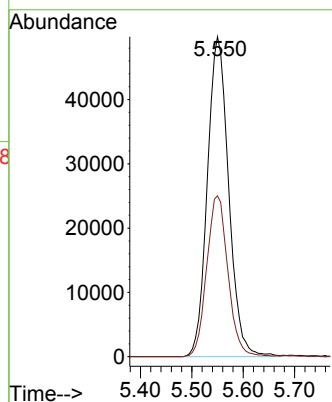
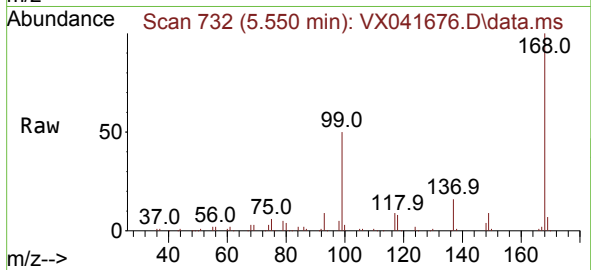
ClientSampleId :

Tgt Ion:168 Resp: 143446

Ion Ratio Lower Upper

168 100

99 50.3 56.6 85.0#



#3

Chloromethane

Concen: 0.206 ug/l

RT: 1.295 min Scan# 34

Delta R.T. -0.006 min

Lab File: VX041676.D

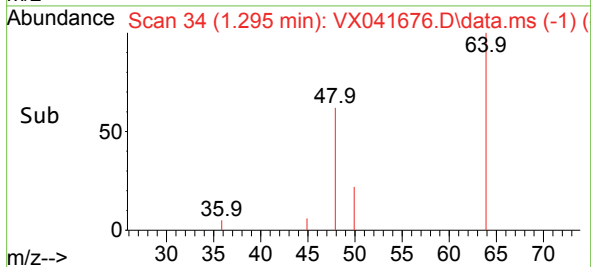
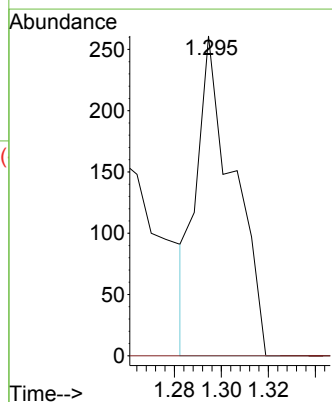
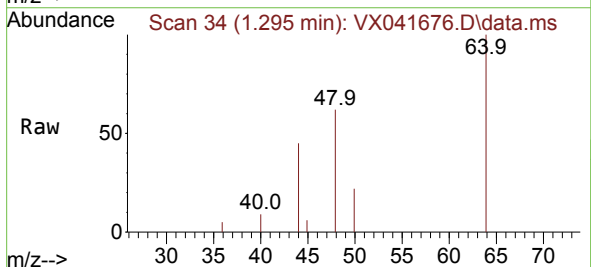
Acq: 29 May 2024 16:06

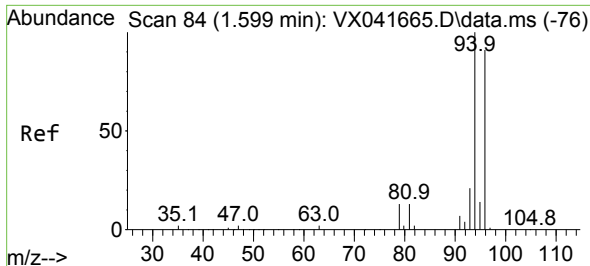
Tgt Ion: 50 Resp: 283

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#

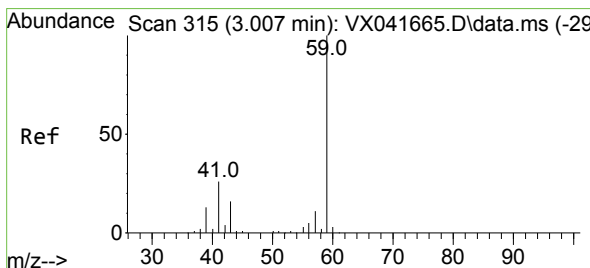
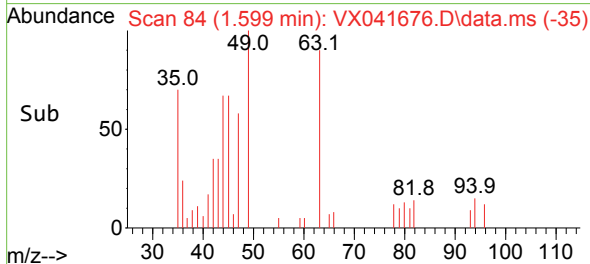
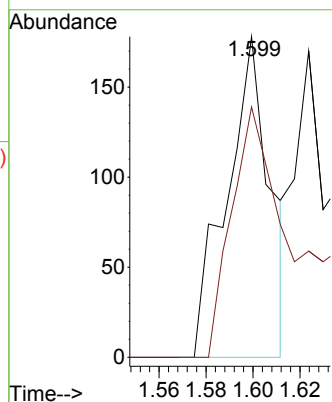
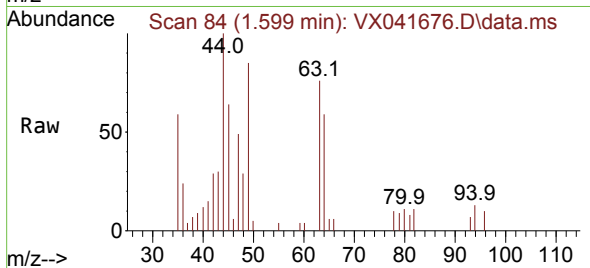




#5
Bromomethane
Concen: 0.231 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041676.D
Acq: 29 May 2024 16:06

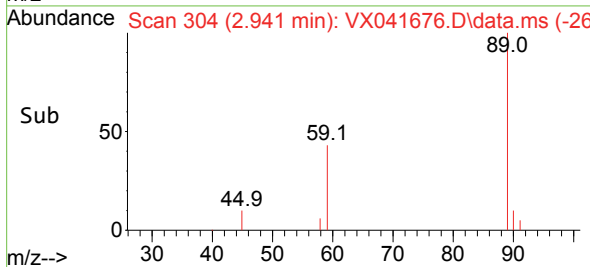
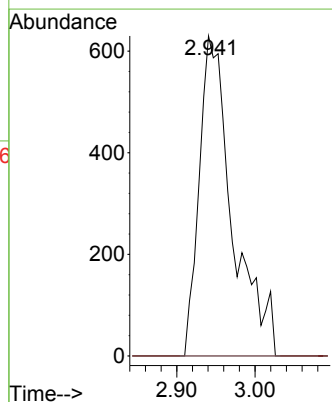
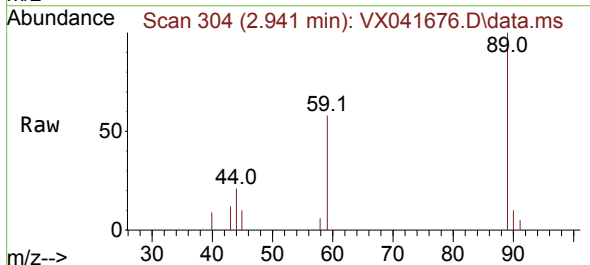
Instrument :
MSVOA_X
ClientSampleId :

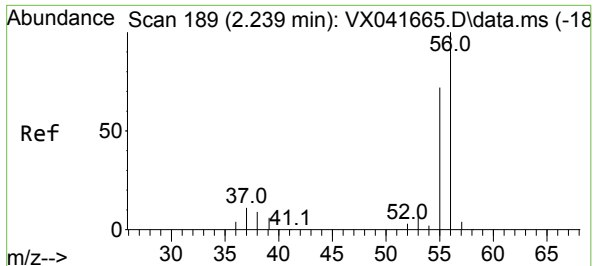
Tgt Ion: 94 Resp: 228
Ion Ratio Lower Upper
94 100
96 78.1 74.6 111.8



#11
Tert butyl alcohol
Concen: 5.970 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.067 min
Lab File: VX041676.D
Acq: 29 May 2024 16:06

Tgt Ion: 59 Resp: 1858
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.293 ug/l

RT: 2.246 min Scan# 19

Delta R.T. 0.006 min

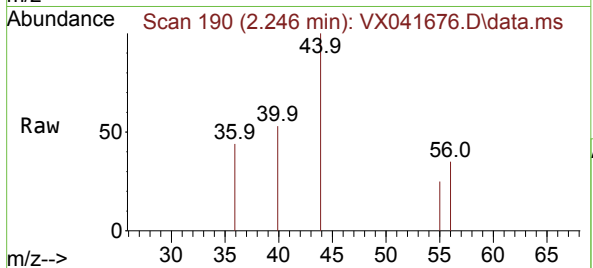
Lab File: VX041676.D

Acq: 29 May 2024 16:06

Instrument :

MSVOA_X

ClientSampleId :

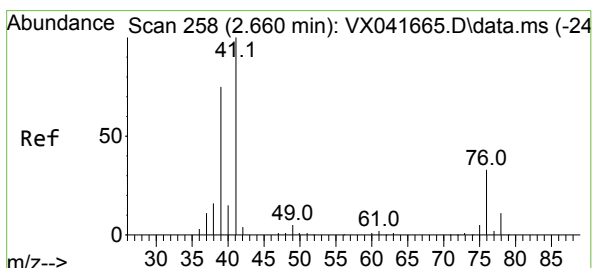
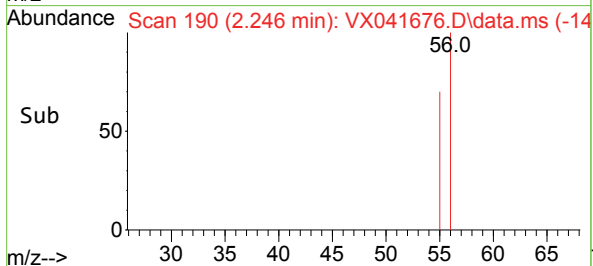
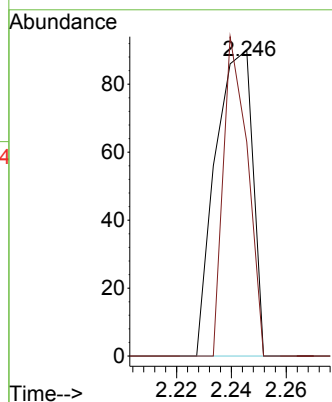


Tgt Ion: 56 Resp: 85

Ion Ratio Lower Upper

56 100

55 67.1 57.1 85.7



#14

Allyl chloride

Concen: 0.225 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.006 min

Lab File: VX041676.D

Acq: 29 May 2024 16:06

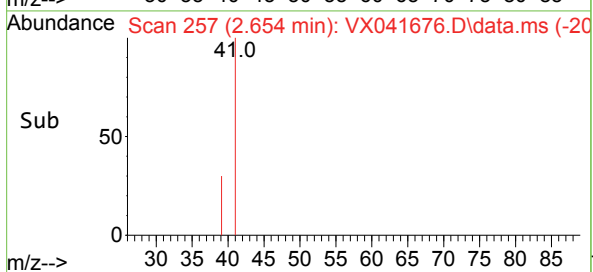
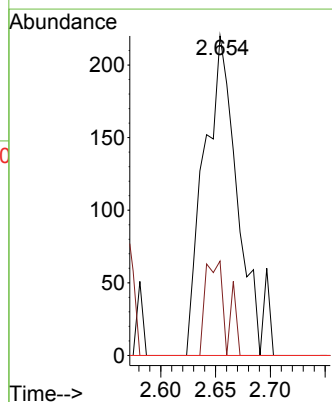
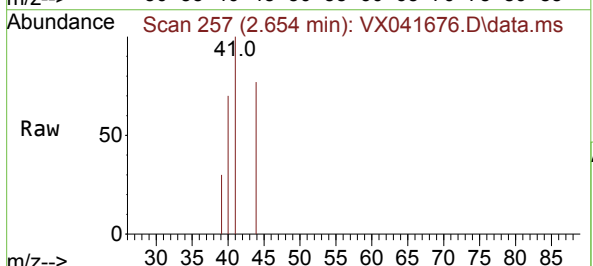
Tgt Ion: 41 Resp: 474

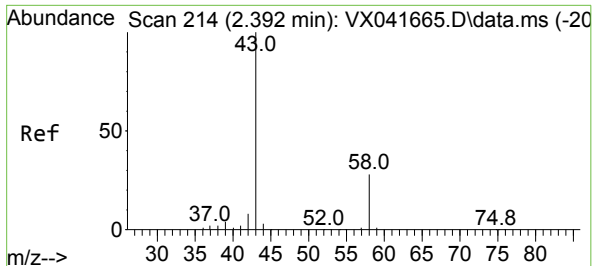
Ion Ratio Lower Upper

41 100

39 18.1 55.8 83.6#

76 0.0 24.3 36.5#

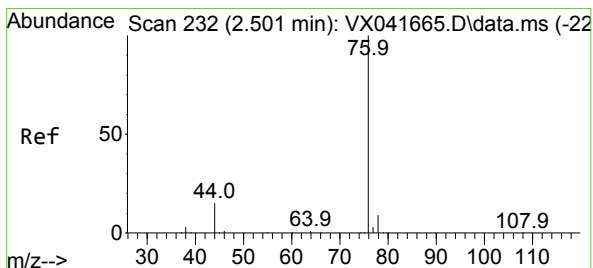
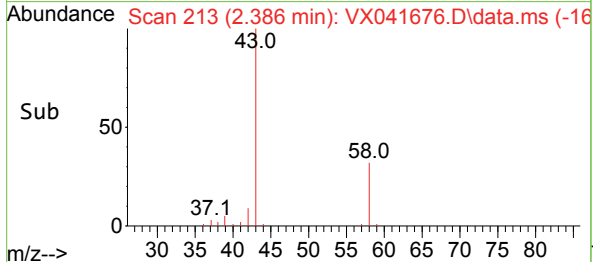
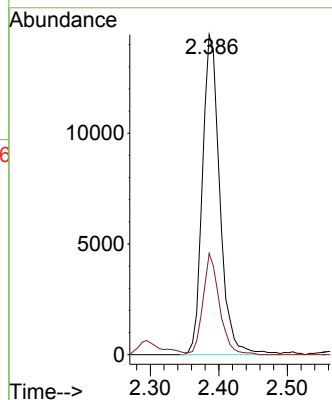
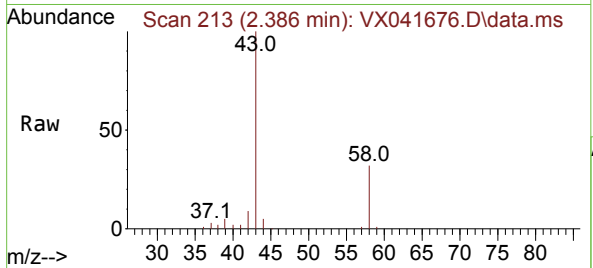




#16
Acetone
Concen: 30.492 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX041676.D
Acq: 29 May 2024 16:06

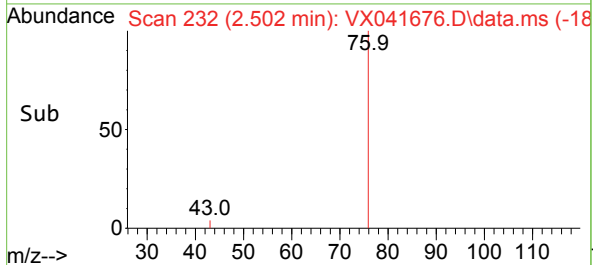
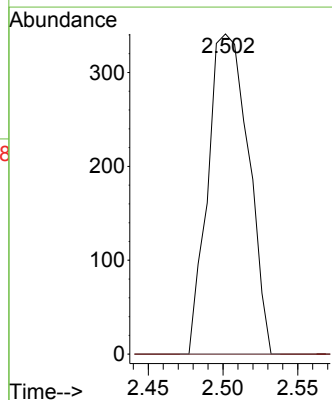
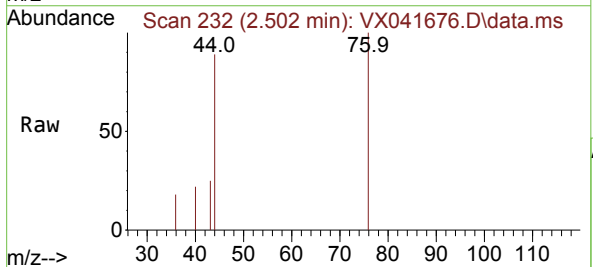
Instrument :
MSVOA_X
ClientSampleId :

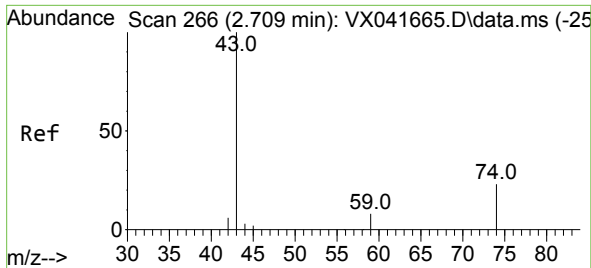
Tgt Ion: 43 Resp: 25570
Ion Ratio Lower Upper
43 100
58 31.6 21.9 32.9



#17
Carbon Disulfide
Concen: 0.227 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX041676.D
Acq: 29 May 2024 16:06

Tgt Ion: 76 Resp: 643
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#





#18

Methyl Acetate

Concen: 1.603 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.000 min

Lab File: VX041676.D

Acq: 29 May 2024 16:06

Instrument :

MSVOA_X

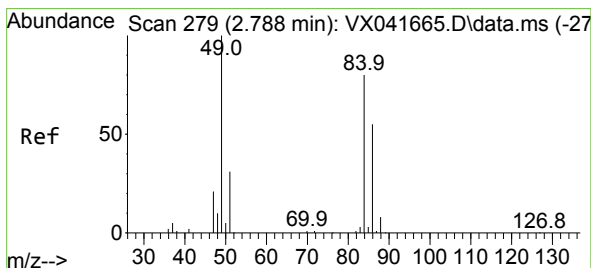
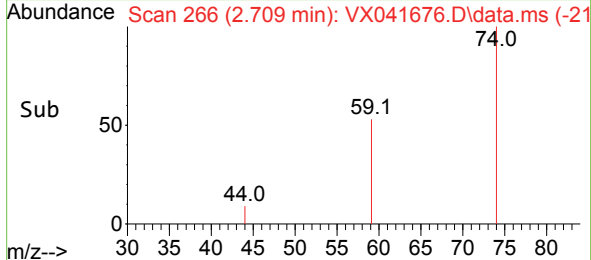
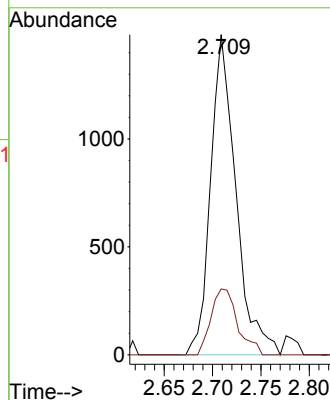
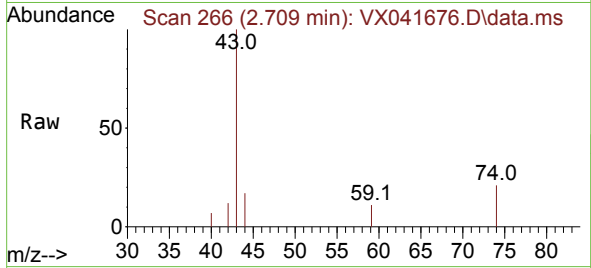
ClientSampleId :

Tgt Ion: 43 Resp: 2692

Ion Ratio Lower Upper

43 100

74 21.6 17.8 26.8



#20

Methylene Chloride

Concen: 6.972 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX041676.D

Acq: 29 May 2024 16:06

Tgt Ion: 84 Resp: 10977

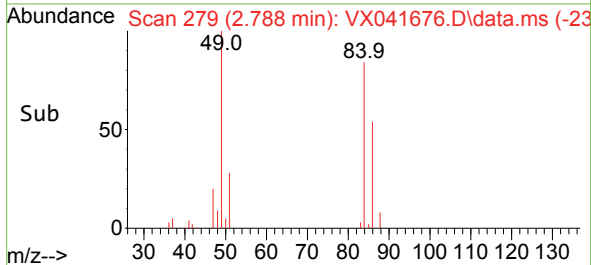
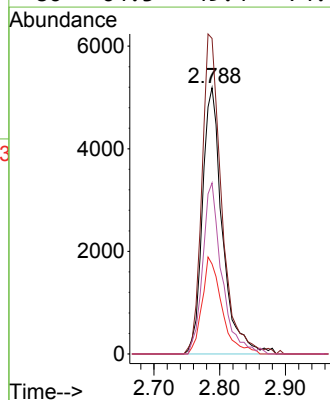
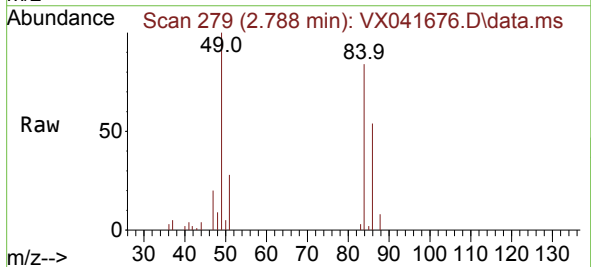
Ion Ratio Lower Upper

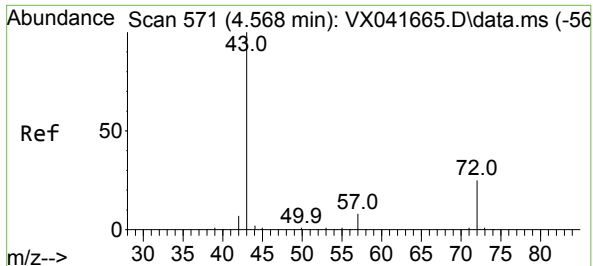
84 100

49 118.5 103.6 155.4

51 33.8 33.8 50.6

86 64.3 49.4 74.0





#25

2-Butanone

Concen: 2.030 ug/l

RT: 4.593 min Scan# 51

Delta R.T. 0.025 min

Lab File: VX041676.D

Acq: 29 May 2024 16:06

Instrument :

MSVOA_X

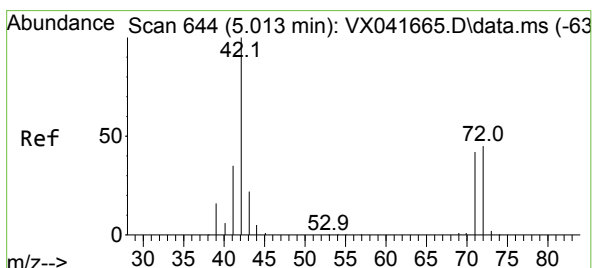
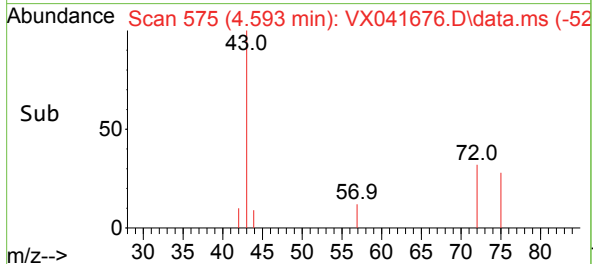
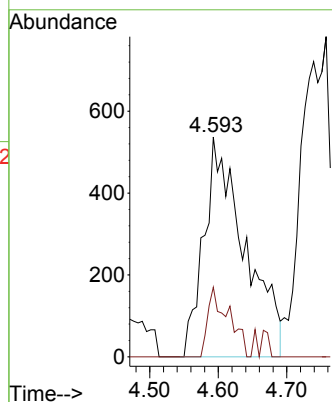
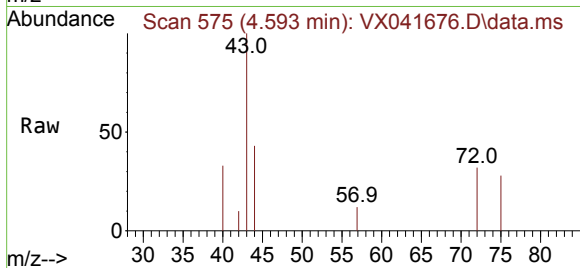
ClientSampleId :

Tgt Ion: 43 Resp: 2220

Ion Ratio Lower Upper

43 100

72 31.7 19.4 29.2#



#29

Tetrahydrofuran

Concen: 0.756 ug/l

RT: 5.044 min Scan# 649

Delta R.T. 0.031 min

Lab File: VX041676.D

Acq: 29 May 2024 16:06

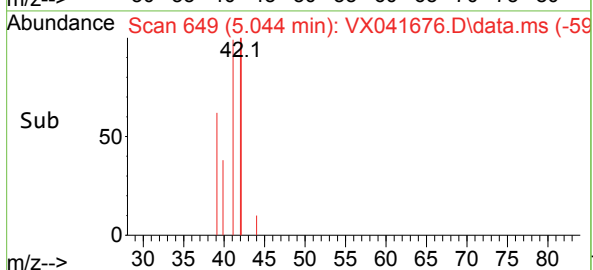
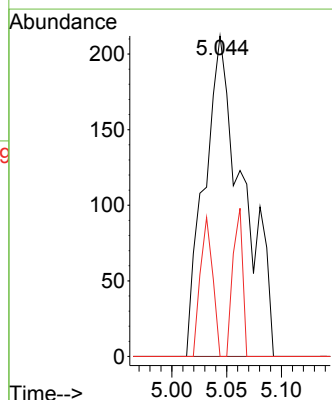
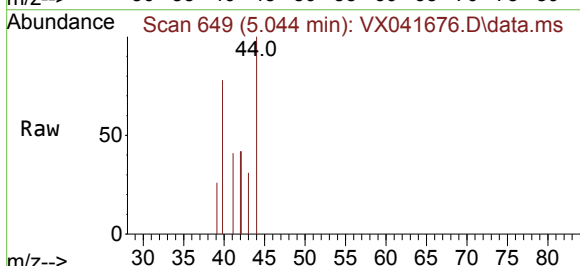
Tgt Ion: 42 Resp: 521

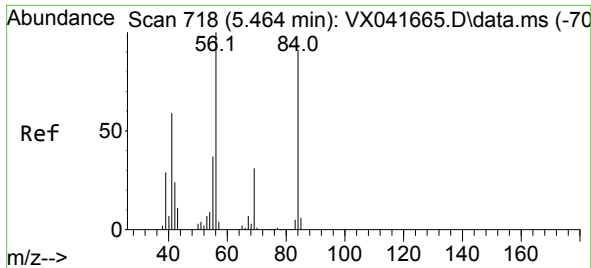
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

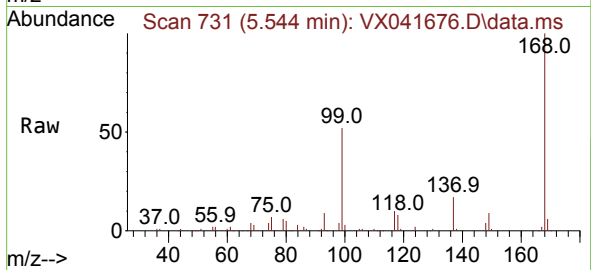
71 13.8 32.2 48.2#



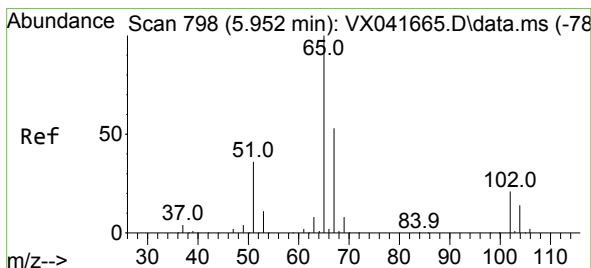
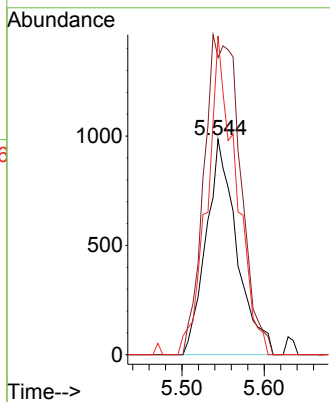
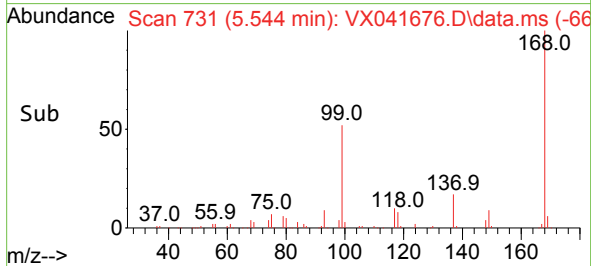


#31
Cyclohexane
Concen: 1.230 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX041676.D
Acq: 29 May 2024 16:06

Instrument :
MSVOA_X
ClientSampleId :

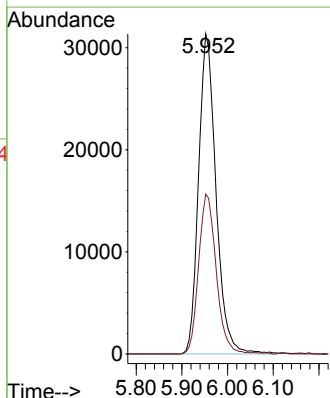
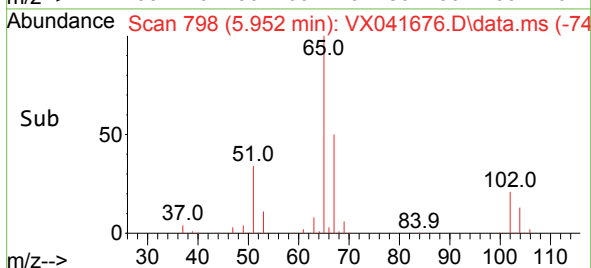
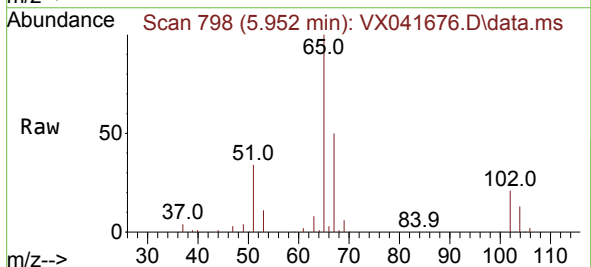


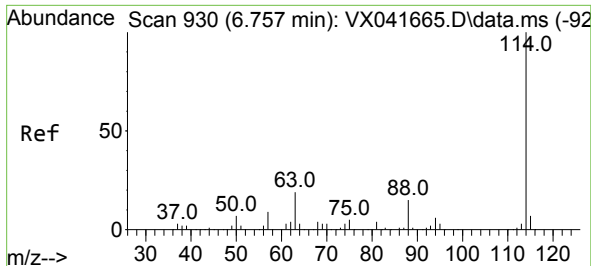
Tgt Ion: 56 Resp: 2555
Ion Ratio Lower Upper
56 100
69 138.0 23.4 35.2#
84 148.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 47.146 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX041676.D
Acq: 29 May 2024 16:06

Tgt Ion: 65 Resp: 82945
Ion Ratio Lower Upper
65 100
67 50.7 0.0 100.2

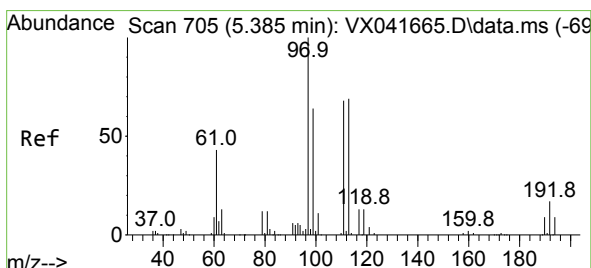
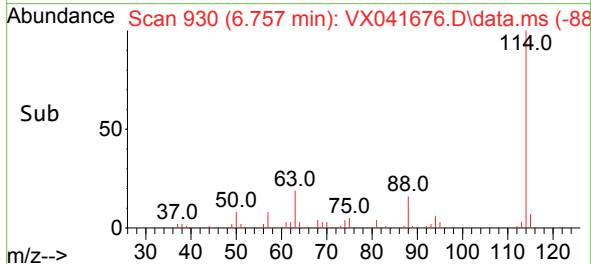
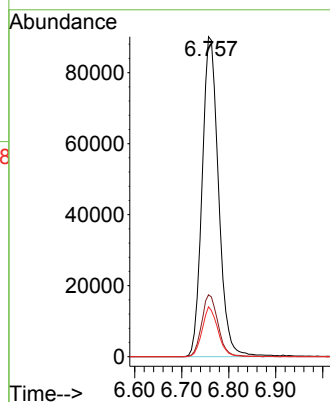
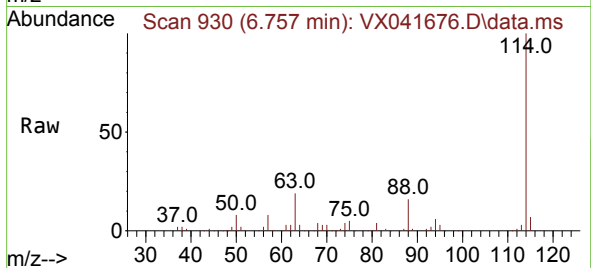




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX041676.D
Acq: 29 May 2024 16:06

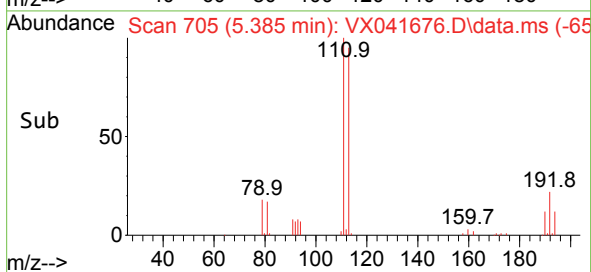
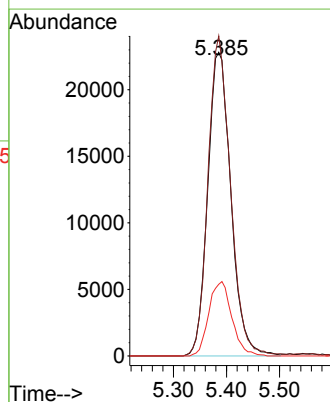
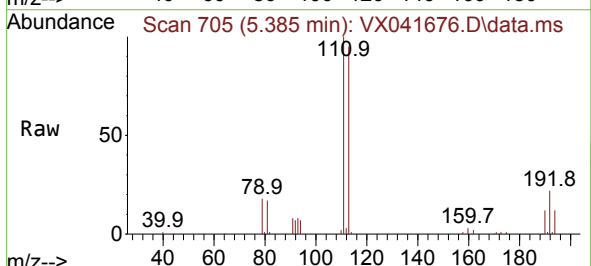
Instrument :
MSVOA_X
ClientSampleId :

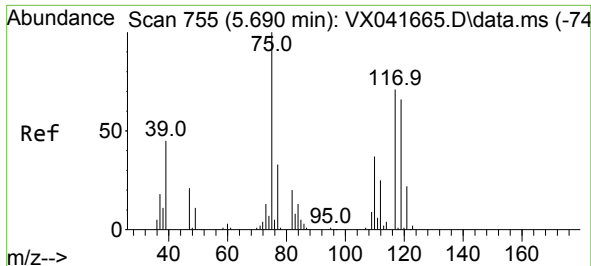
Tgt Ion:114 Resp: 219037
Ion Ratio Lower Upper
114 100
63 19.3 0.0 45.0
88 15.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.687 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041676.D
Acq: 29 May 2024 16:06

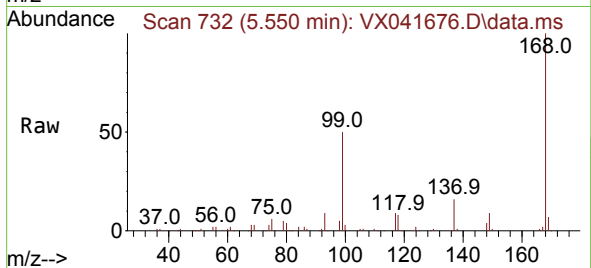
Tgt Ion:113 Resp: 69189
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 24.4 13.3 19.9#



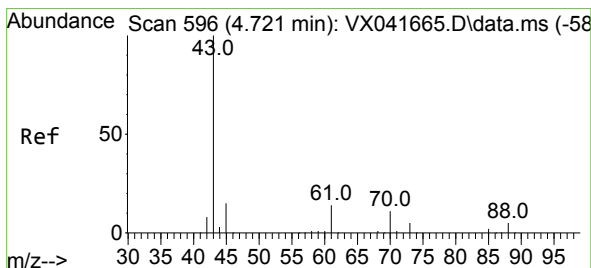
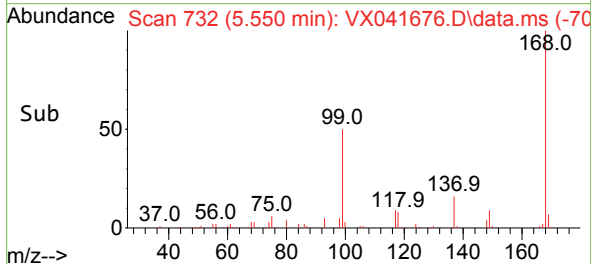
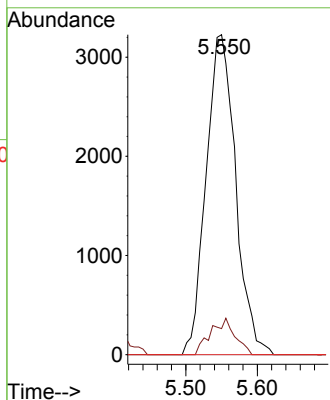


#36
1,1-Dichloropropene
Concen: 5.047 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX041676.D
Acq: 29 May 2024 16:06

Instrument :
MSVOA_X
ClientSampleId :

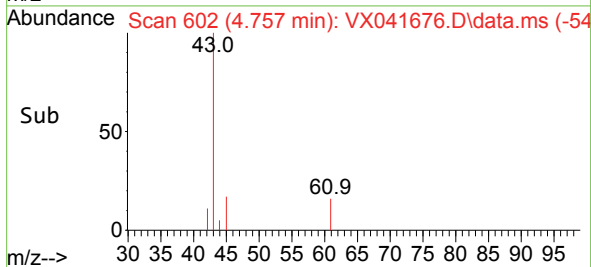
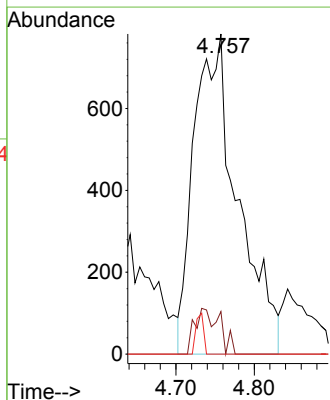
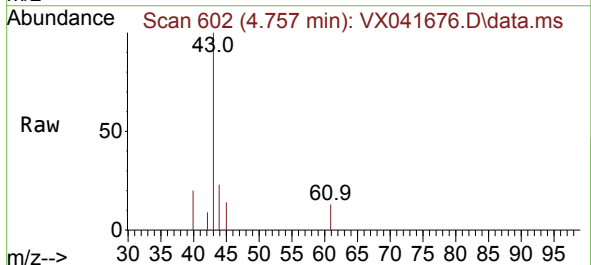


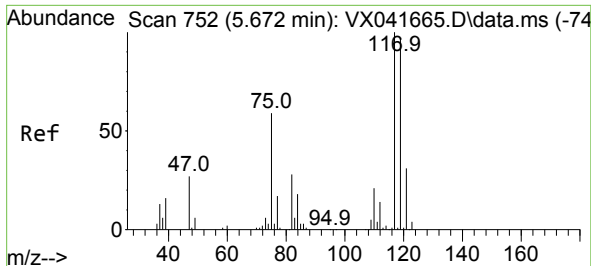
Tgt Ion: 75 Resp: 9254
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.310 ug/l
RT: 4.757 min Scan# 602
Delta R.T. 0.037 min
Lab File: VX041676.D
Acq: 29 May 2024 16:06

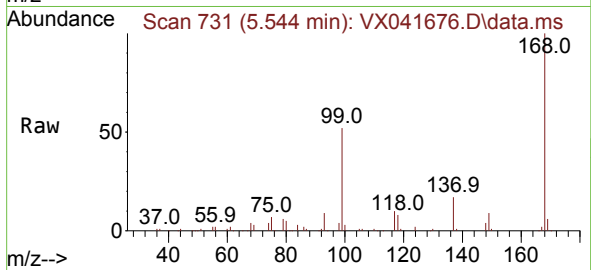
Tgt Ion: 43 Resp: 3031
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



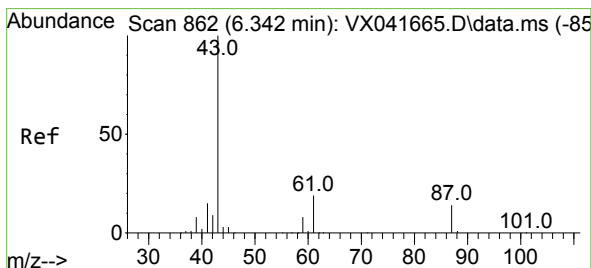
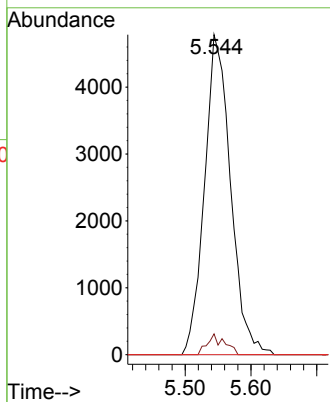
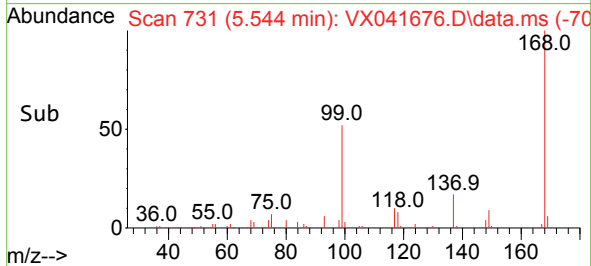


#38
Carbon Tetrachloride
Concen: 6.332 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX041676.D
Acq: 29 May 2024 16:06

Instrument :
MSVOA_X
ClientSampleId :

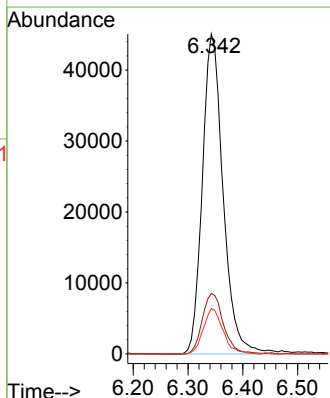
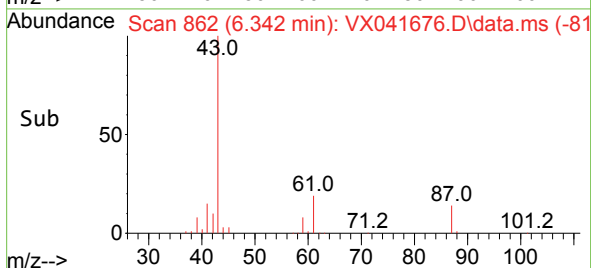
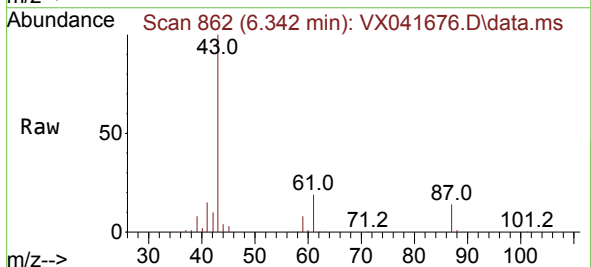


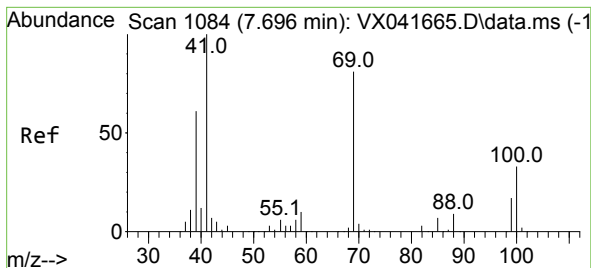
Tgt Ion:117 Resp: 13192
Ion Ratio Lower Upper
117 100
119 6.5 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 33.909 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX041676.D
Acq: 29 May 2024 16:06

Tgt Ion: 43 Resp: 118477
Ion Ratio Lower Upper
43 100
61 19.2 15.2 22.8
87 13.4 9.8 14.6





#48

Methyl methacrylate

Concen: 65.497 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX041676.D

Acq: 29 May 2024 16:06

Instrument :

MSVOA_X

ClientSampleId :

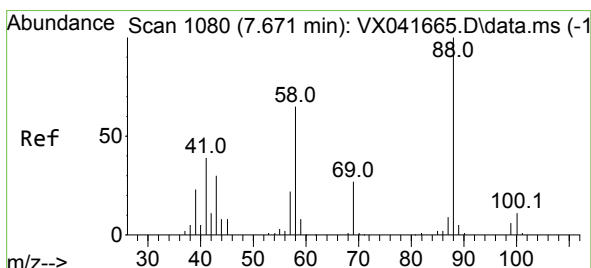
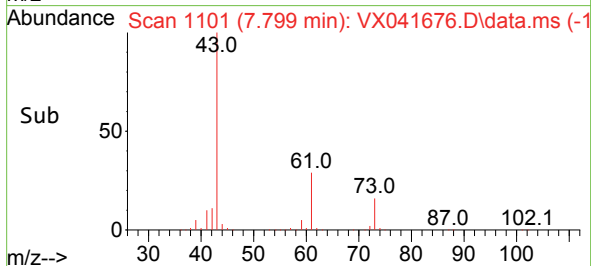
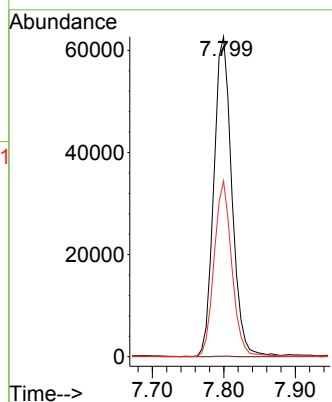
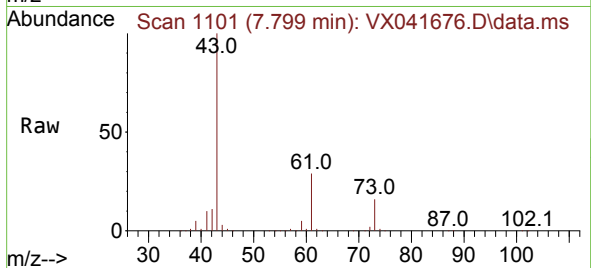
Tgt Ion: 41 Resp: 109897

Ion Ratio Lower Upper

41 100

69 0.2 59.2 88.8#

39 54.0 47.7 71.5



#49

1,4-Dioxane

Concen: 4.201 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.128 min

Lab File: VX041676.D

Acq: 29 May 2024 16:06

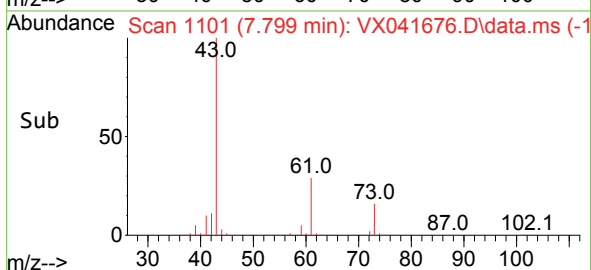
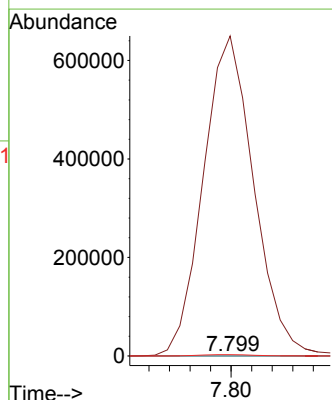
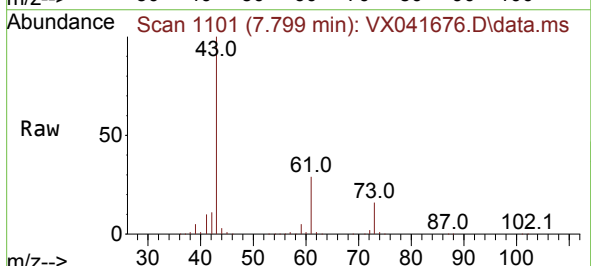
Tgt Ion: 88 Resp: 154

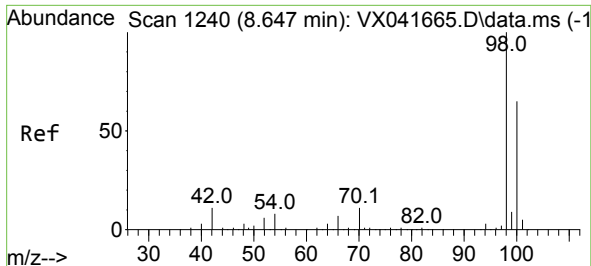
Ion Ratio Lower Upper

88 100

43 730091.6 0.0 0.0#

58 3272.7 60.1 90.1#

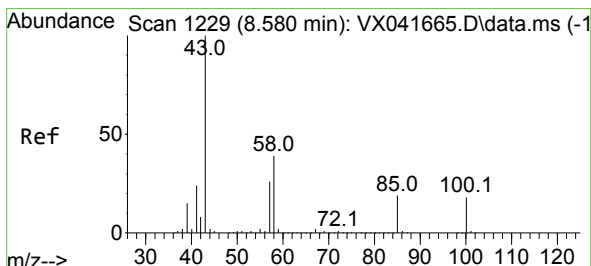
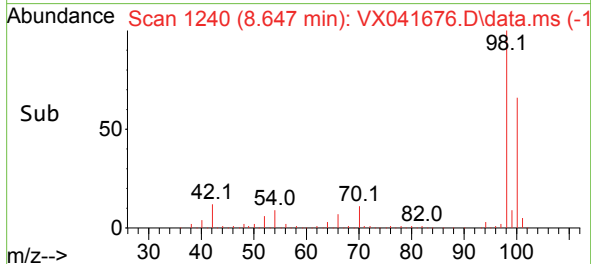
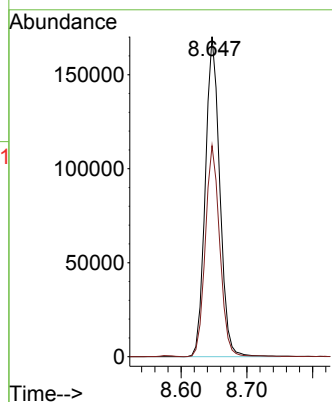
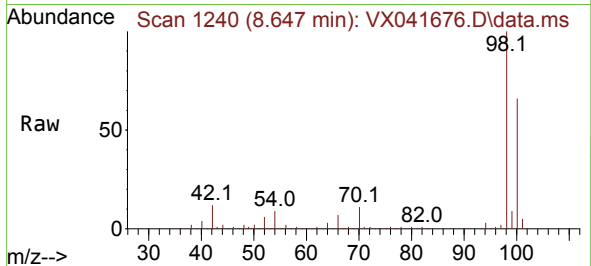




#50
Toluene-d8
Concen: 49.147 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041676.D
Acq: 29 May 2024 16:06

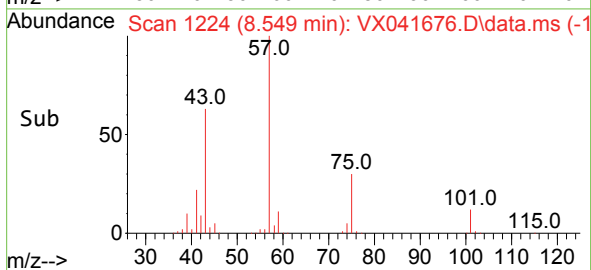
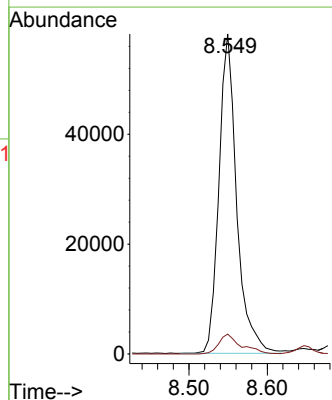
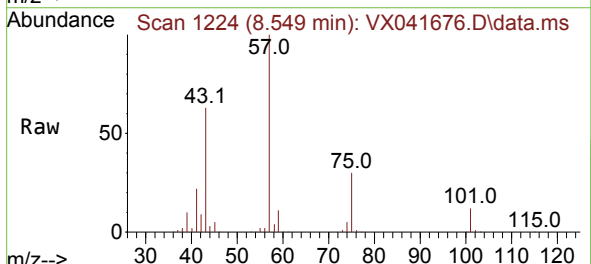
Instrument :
MSVOA_X
ClientSampleId :

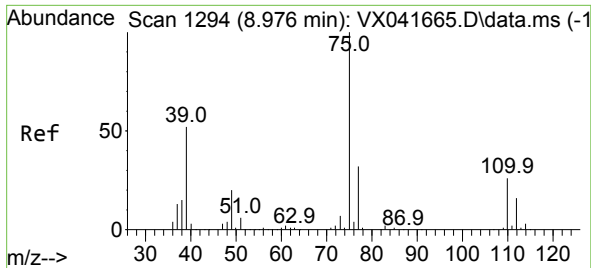
Tgt Ion: 98 Resp: 260061
Ion Ratio Lower Upper
98 100
100 66.1 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 40.511 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX041676.D
Acq: 29 May 2024 16:06

Tgt Ion: 43 Resp: 91785
Ion Ratio Lower Upper
43 100
58 7.8 30.4 45.6#

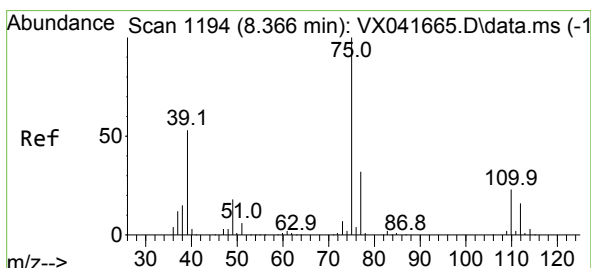
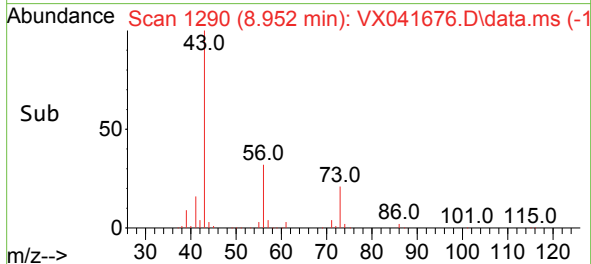
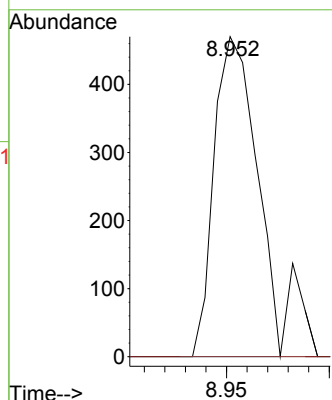
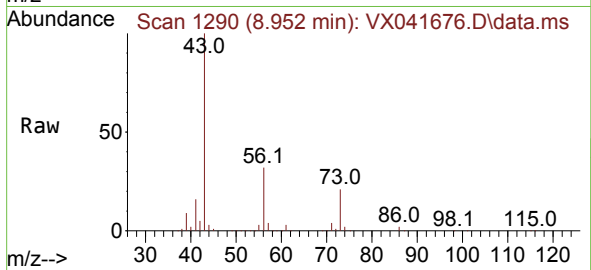




#53
 t-1,3-Dichloropropene
 Concen: 0.353 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX041676.D
 Acq: 29 May 2024 16:06

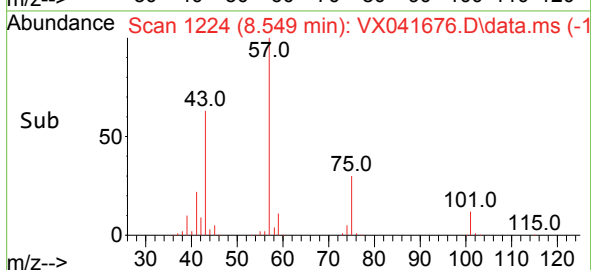
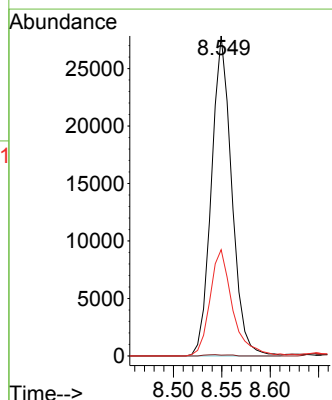
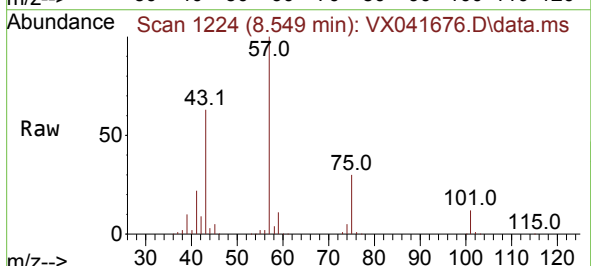
Instrument :
 MSVOA_X
 ClientSampleId :

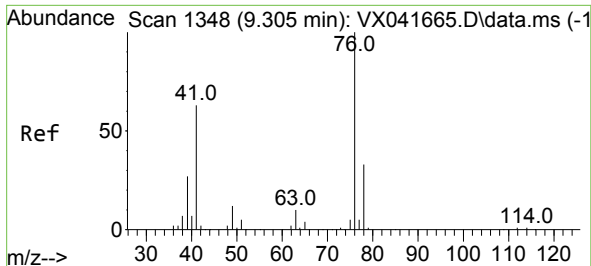
Tgt Ion: 75 Resp: 672
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 19.330 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX041676.D
 Acq: 29 May 2024 16:06

Tgt Ion: 75 Resp: 40737
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.3 37.9#
 39 33.2 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.405 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX041676.D

Acq: 29 May 2024 16:06

Instrument :

MSVOA_X

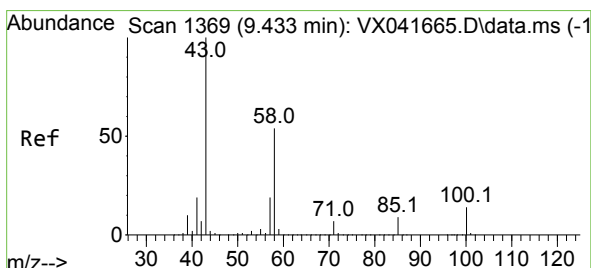
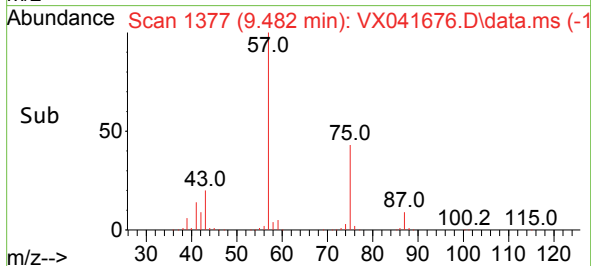
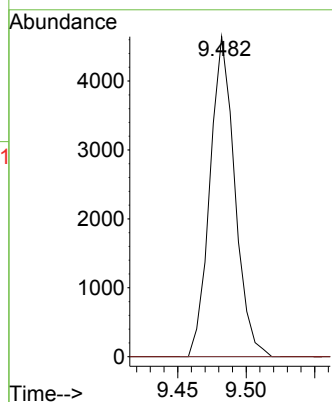
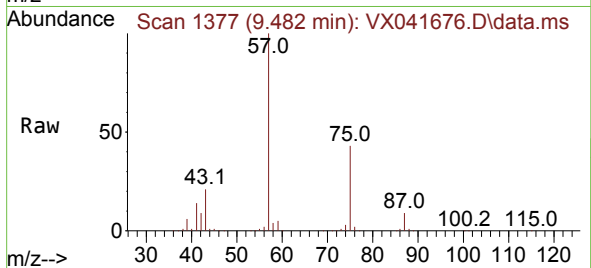
ClientSampleId :

Tgt Ion: 76 Resp: 5854

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 45.042 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX041676.D

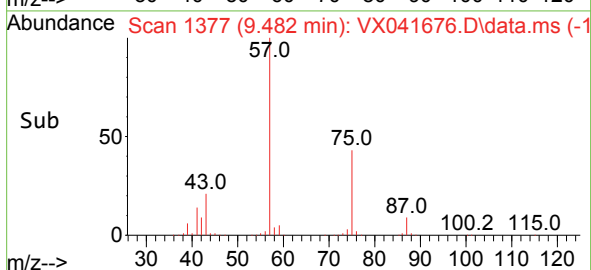
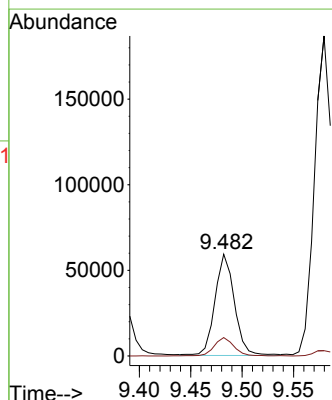
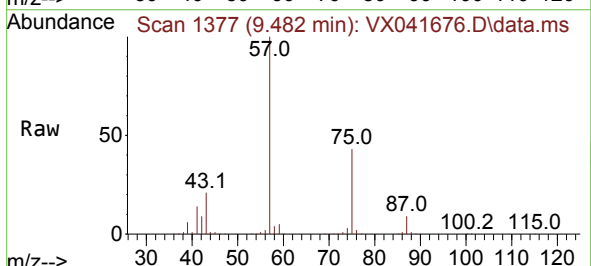
Acq: 29 May 2024 16:06

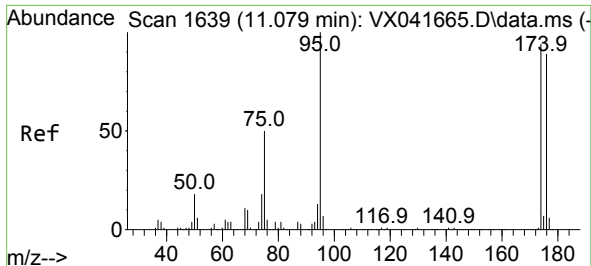
Tgt Ion: 43 Resp: 77804

Ion Ratio Lower Upper

43 100

58 18.8 26.2 78.5#





#62

4-Bromofluorobenzene

Concen: 50.537 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX041676.D

Acq: 29 May 2024 16:06

Instrument :

MSVOA_X

ClientSampleId :

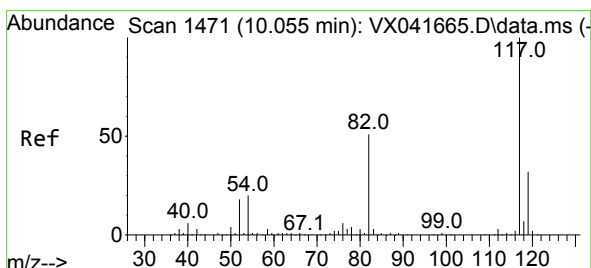
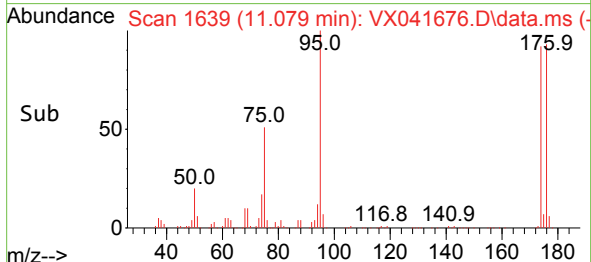
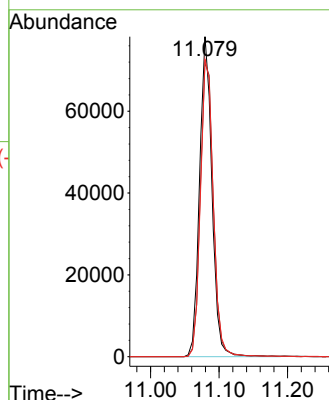
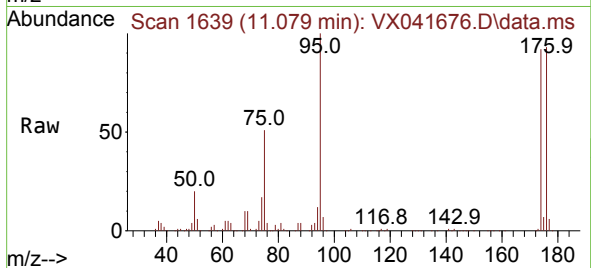
Tgt Ion: 95 Resp: 98698

Ion Ratio Lower Upper

95 100

174 96.9 0.0 135.6

176 95.9 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: VX041676.D

Acq: 29 May 2024 16:06

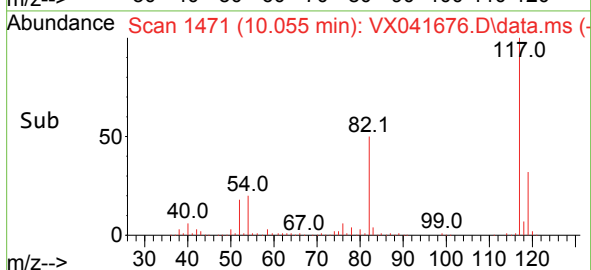
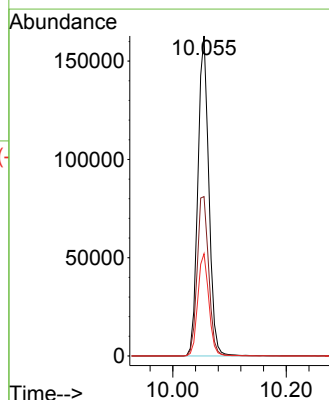
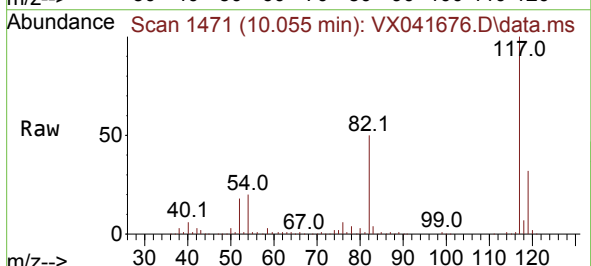
Tgt Ion: 117 Resp: 218036

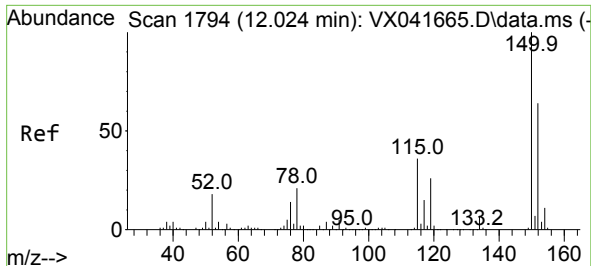
Ion Ratio Lower Upper

117 100

82 49.8 46.2 69.4

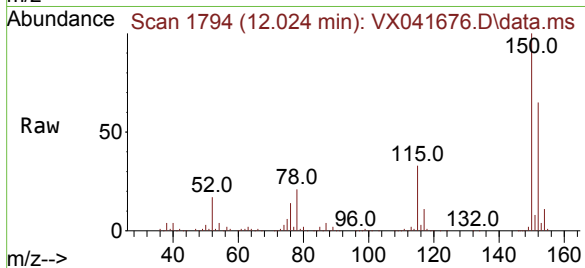
119 31.9 25.5 38.3



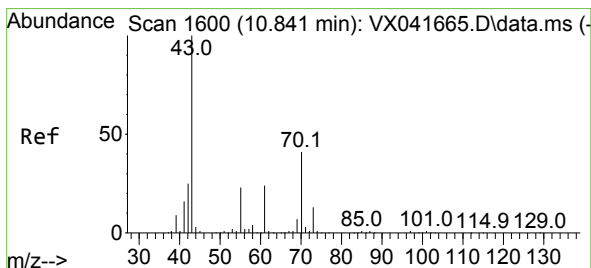
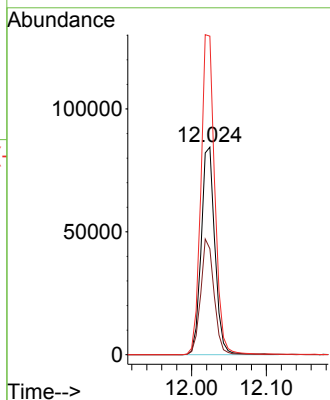
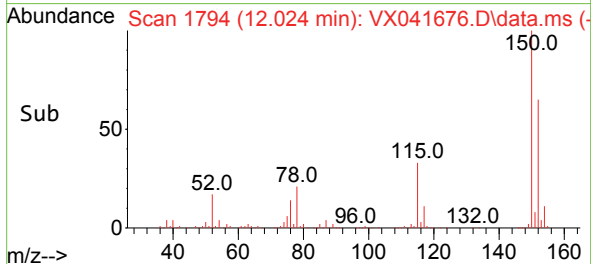


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX041676.D
 Acq: 29 May 2024 16:06

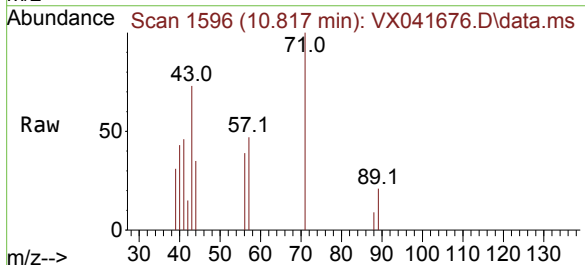
Instrument :
 MSVOA_X
 ClientSampleId :



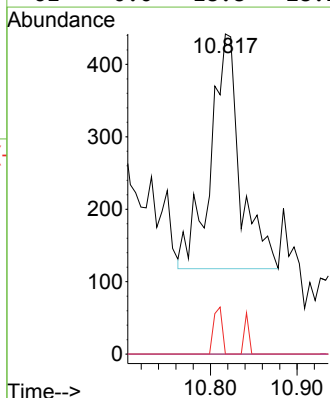
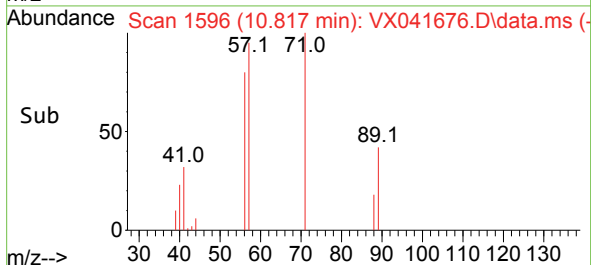
Tgt Ion:152 Resp: 107786
 Ion Ratio Lower Upper
 152 100
 115 54.5 43.3 129.9
 150 155.8 0.0 345.0

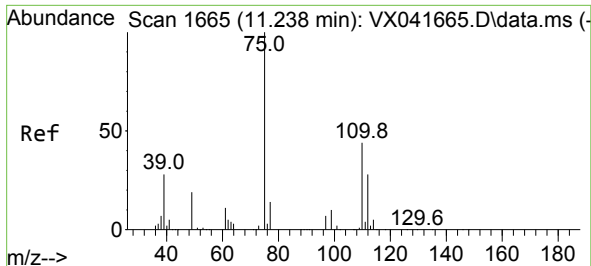


#74
 N-ethyl acetate
 Concen: 0.261 ug/l
 RT: 10.817 min Scan# 1596
 Delta R.T. -0.024 min
 Lab File: VX041676.D
 Acq: 29 May 2024 16:06



Tgt Ion: 43 Resp: 772
 Ion Ratio Lower Upper
 43 100
 70 0.0 32.9 49.3#
 55 5.7 19.3 28.9#
 61 0.0 18.8 28.2#

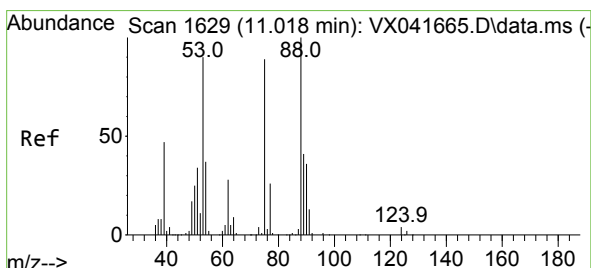
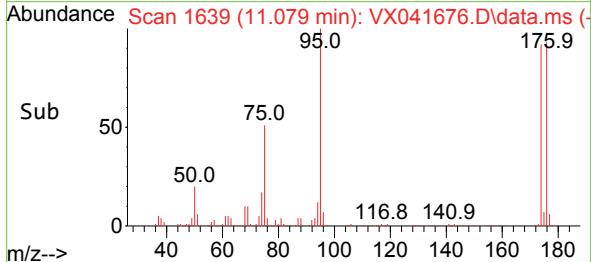
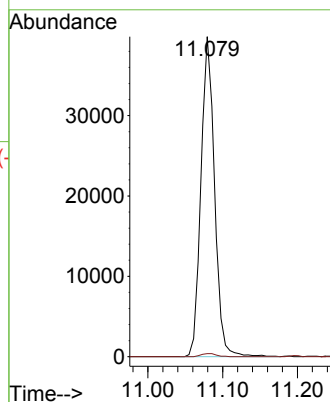
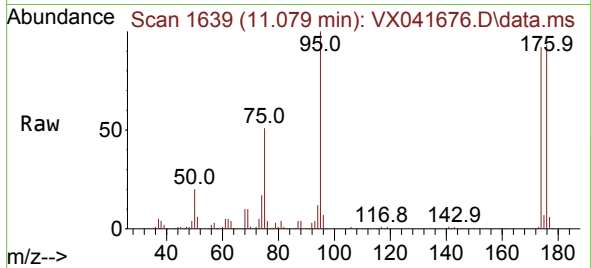




#76
1,2,3-Trichloropropane
Concen: 26.805 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX041676.D
Acq: 29 May 2024 16:06

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 50411
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.057 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041676.D
Acq: 29 May 2024 16:06

Tgt Ion: 75 Resp: 50411
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

