

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052924\
 Data File : VX041677.D
 Acq On : 29 May 2024 16:30
 Operator : JC/MD
 Sample : PB161143ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 30 07:44:59 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)

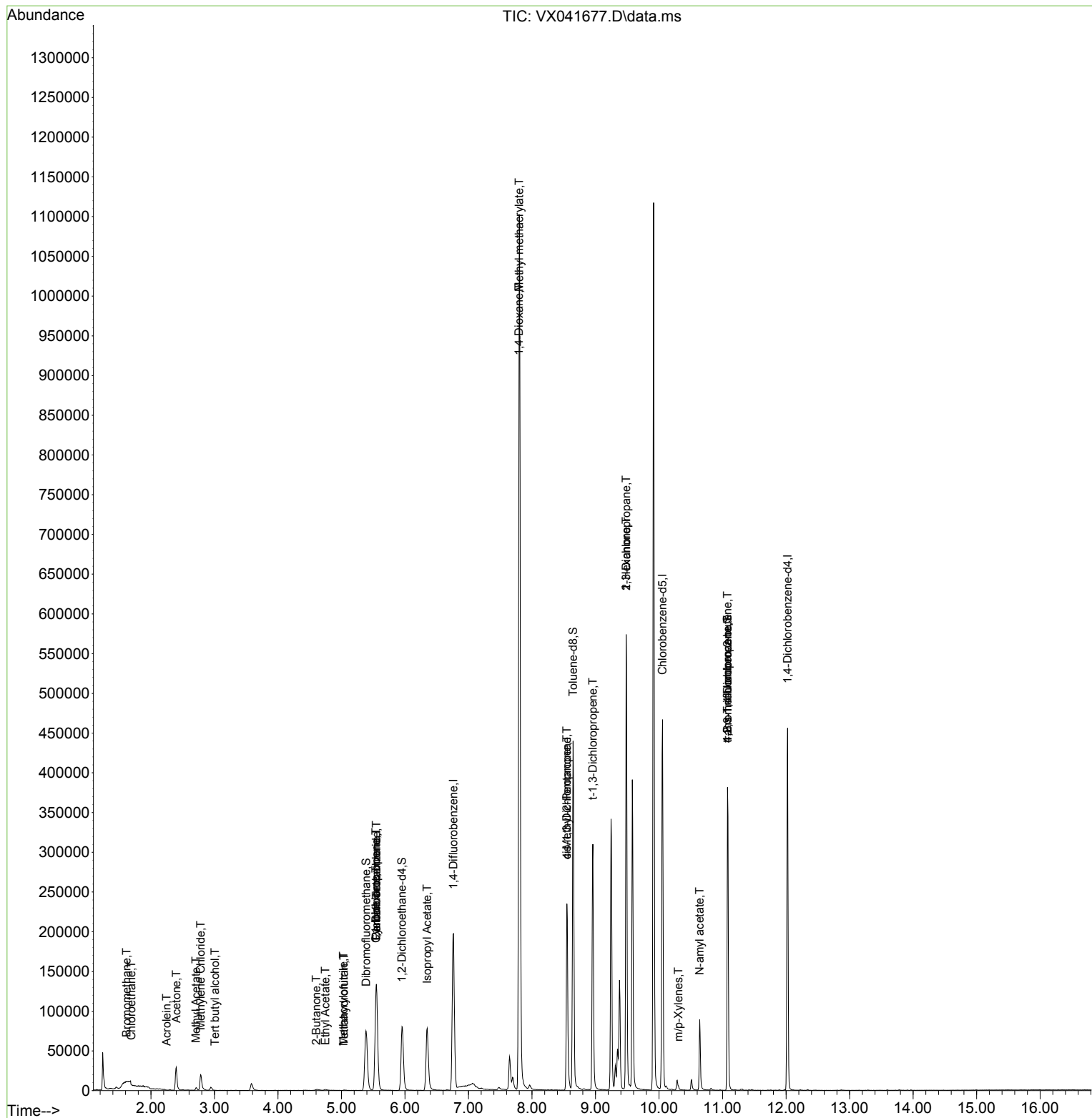
Internal Standards						
1) Pentafluorobenzene	5.550	168	141224	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	212566	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	213252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	103426	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79196	45.723	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.440%		
35) Dibromofluoromethane	5.385	113	65815	44.782	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.560%		
50) Toluene-d8	8.647	98	256182	49.887	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.780%		
62) 4-Bromofluorobenzene	11.079	95	96198	50.756	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.520%		
Target Compounds						
						Qvalue
5) Bromomethane	1.618	94	458	0.472	ug/l	# 3
6) Chloroethane	1.691	64	658	0.781	ug/l	# 49
11) Tert butyl alcohol	3.008	59	301	0.982	ug/l	# 78
13) Acrolein	2.246	56	61	0.214	ug/l	# 81
16) Acetone	2.398	43	35270	43.869	ug/l	99
18) Methyl Acetate	2.709	43	4727	2.858	ug/l	100
20) Methylene Chloride	2.782	84	11071	7.142	ug/l	97
25) 2-Butanone	4.605	43	3078	2.859	ug/l	92
29) Tetrahydrofuran	5.038	42	545	0.803	ug/l	# 34
31) Cyclohexane	5.544	56	2586	1.265	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	9259	5.203	ug/l	# 50
37) Ethyl Acetate	4.745	43	2211	0.984	ug/l	# 90
38) Carbon Tetrachloride	5.550	117	12534	6.199	ug/l	# 15
41) Methacrylonitrile	5.032	41	315	0.287	ug/l	# 25
43) Isopropyl Acetate	6.348	43	111465	32.874	ug/l	99
48) Methyl methacrylate	7.799	41	102093	62.698	ug/l	# 49
49) 1,4-Dioxane	7.793	88	151	4.244	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	86648	39.408	ug/l	# 51
53) t-1,3-Dichloropropene	8.958	75	764	0.413	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	37792	18.478	ug/l	# 60
57) 1,3-Dichloropropane	9.482	76	5088	2.154	ug/l	# 42
59) 2-Hexanone	9.482	43	73485	43.837	ug/l	# 52
68) m/p-Xylenes	10.305	106	771	0.266	ug/l	94
74) N-amyl acetate	10.640	43	22457	7.902	ug/l	# 53
76) 1,2,3-Trichloropropane	11.079	75	48756	27.018	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	48756	73.638	ug/l	# 5

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

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MSVOA_X
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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

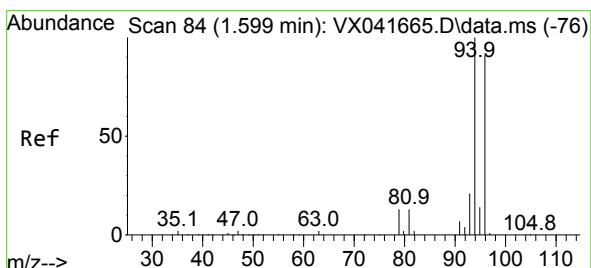
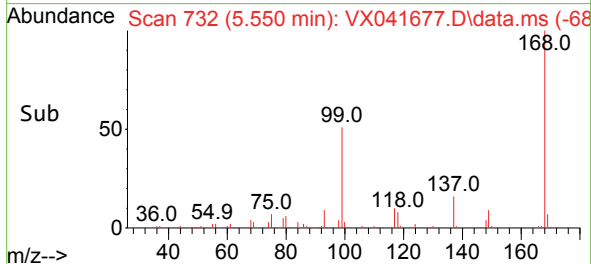
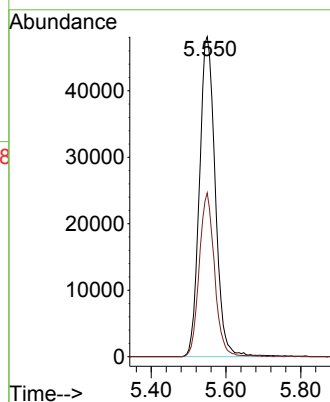
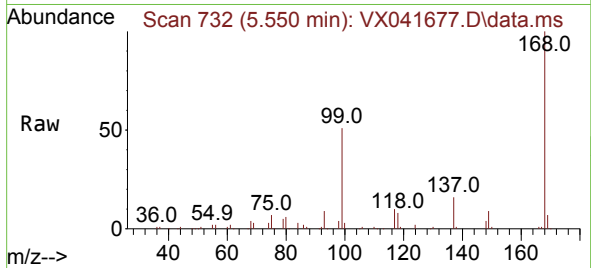




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041677.D
Acq: 29 May 2024 16:30

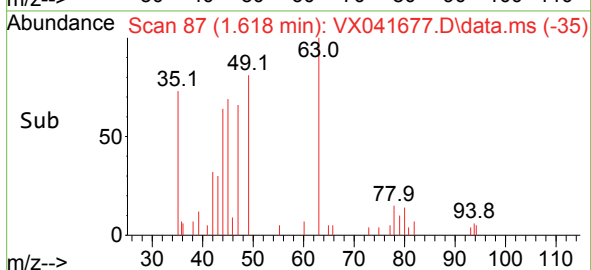
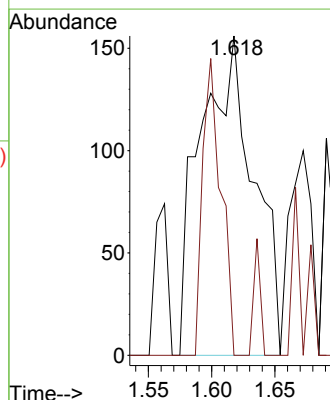
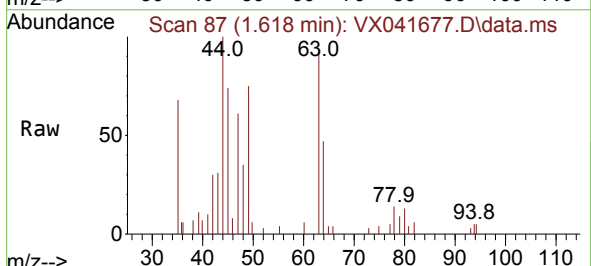
Instrument :
MSVOA_X
ClientSampleId :

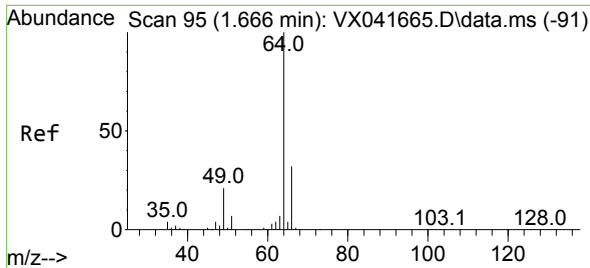
Tgt Ion:168 Resp: 141224
Ion Ratio Lower Upper
168 100
99 51.2 56.6 85.0#



#5
Bromomethane
Concen: 0.472 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX041677.D
Acq: 29 May 2024 16:30

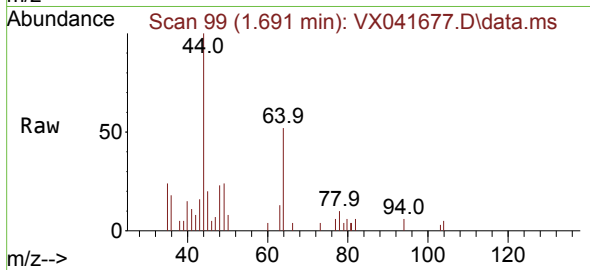
Tgt Ion: 94 Resp: 458
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



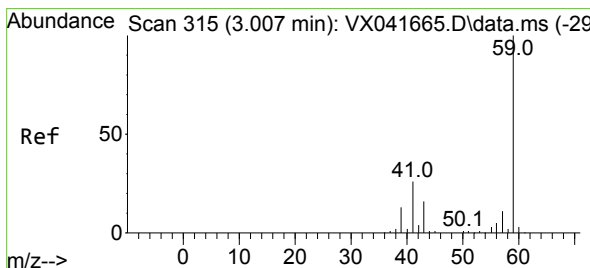
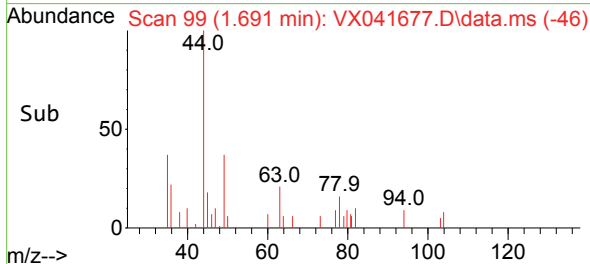
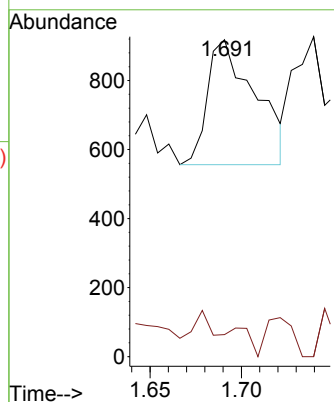


#6
Chloroethane
Concen: 0.781 ug/l
RT: 1.691 min Scan# 91
Delta R.T. 0.025 min
Lab File: VX041677.D
Acq: 29 May 2024 16:30

Instrument :
MSVOA_X
ClientSampleId :

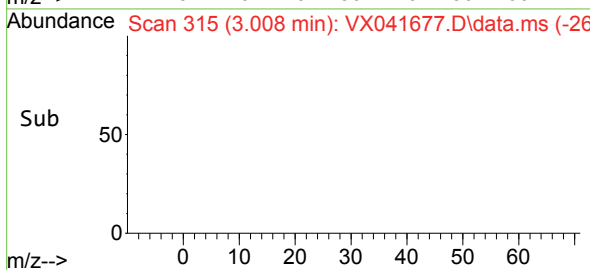
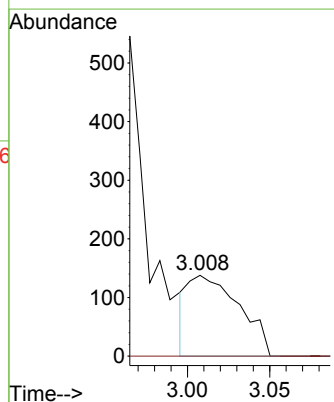
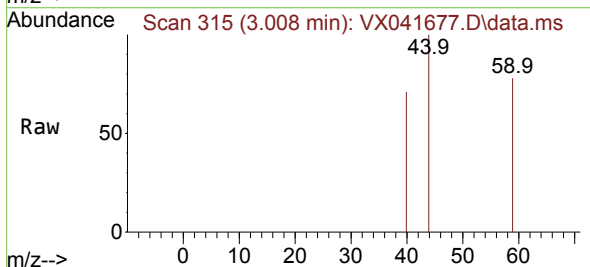


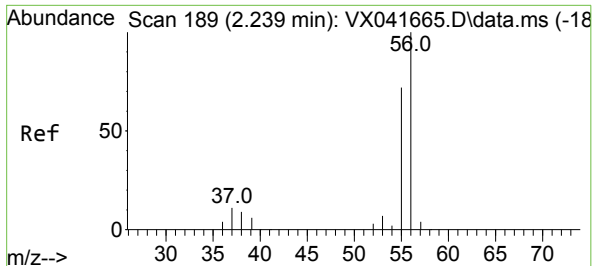
Tgt Ion: 64 Resp: 658
Ion Ratio Lower Upper
64 100
66 3.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 0.982 ug/l
RT: 3.008 min Scan# 315
Delta R.T. 0.000 min
Lab File: VX041677.D
Acq: 29 May 2024 16:30

Tgt Ion: 59 Resp: 301
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.214 ug/l

RT: 2.246 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX041677.D

Acq: 29 May 2024 16:30

Instrument :

MSVOA_X

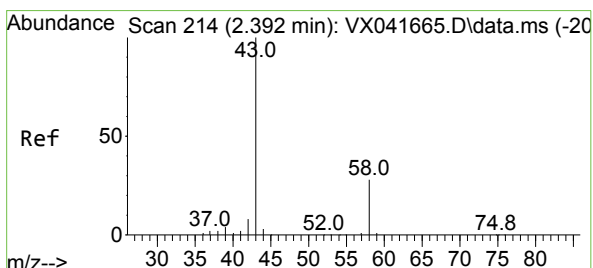
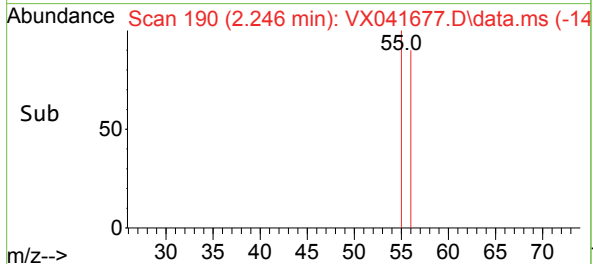
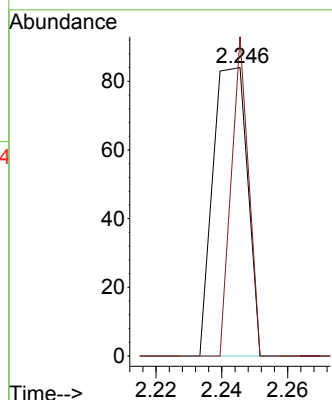
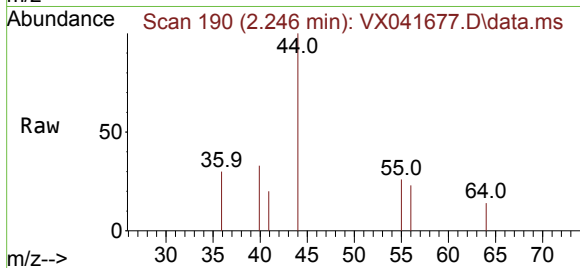
ClientSampleId :

Tgt Ion: 56 Resp: 61

Ion Ratio Lower Upper

56 100

55 55.7 57.1 85.7#



#16

Acetone

Concen: 43.869 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.006 min

Lab File: VX041677.D

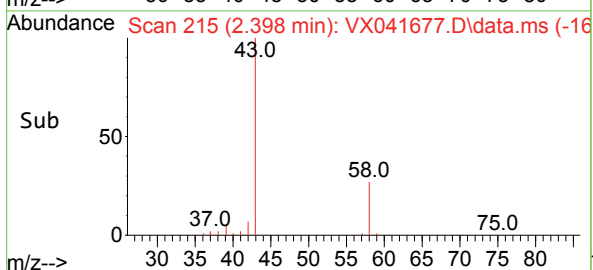
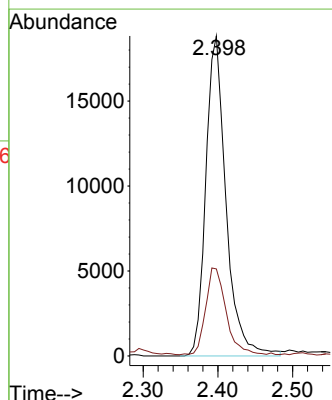
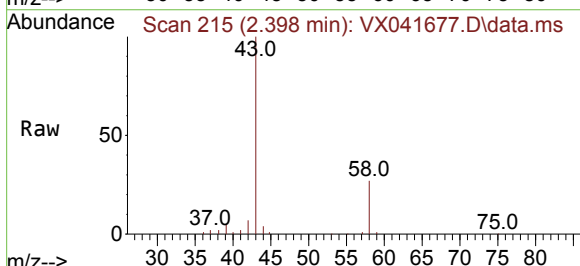
Acq: 29 May 2024 16:30

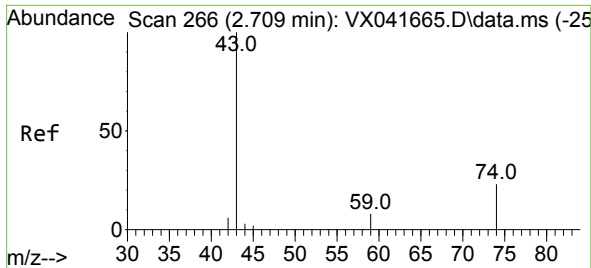
Tgt Ion: 43 Resp: 35270

Ion Ratio Lower Upper

43 100

58 26.8 21.9 32.9

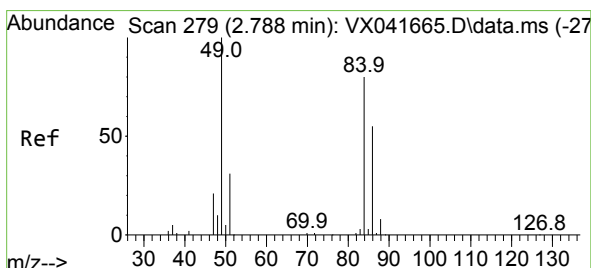
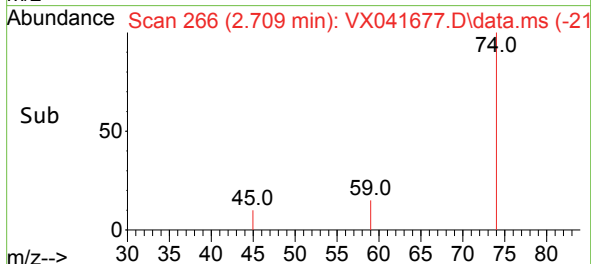
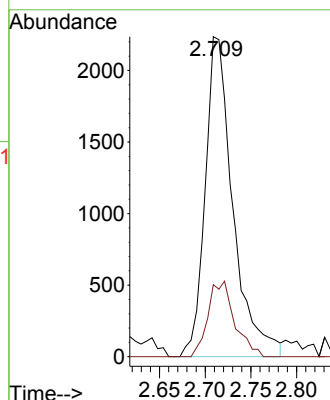
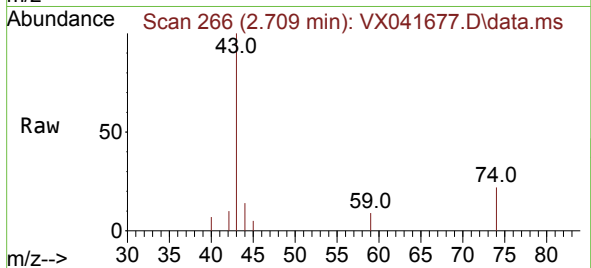




#18
Methyl Acetate
Concen: 2.858 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041677.D
Acq: 29 May 2024 16:30

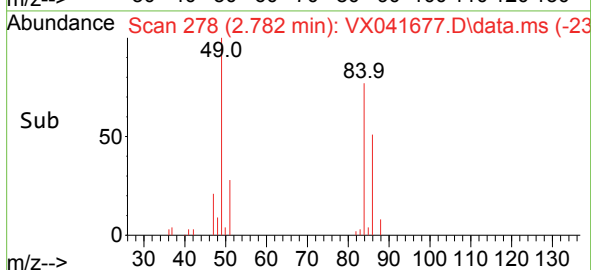
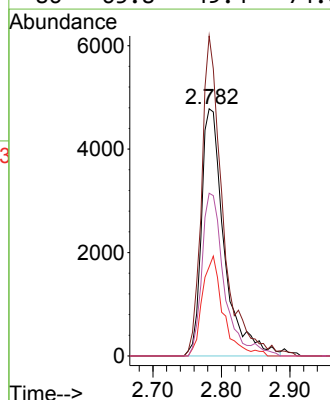
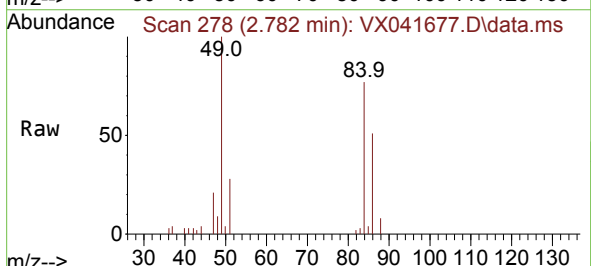
Instrument :
MSVOA_X
ClientSampleId :

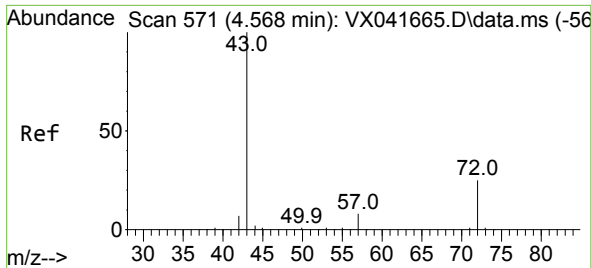
Tgt Ion: 43 Resp: 4727
Ion Ratio Lower Upper
43 100
74 22.5 17.8 26.8



#20
Methylene Chloride
Concen: 7.142 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX041677.D
Acq: 29 May 2024 16:30

Tgt Ion: 84 Resp: 11071
Ion Ratio Lower Upper
84 100
49 129.5 103.6 155.4
51 36.0 33.8 50.6
86 65.8 49.4 74.0

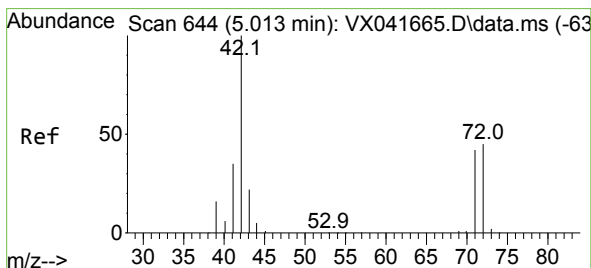
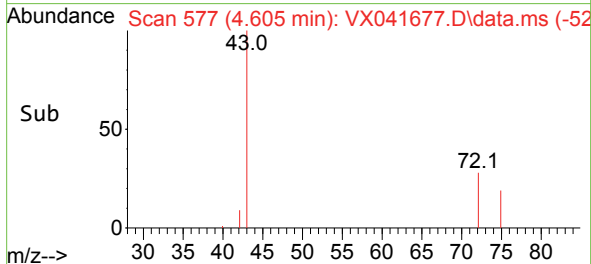
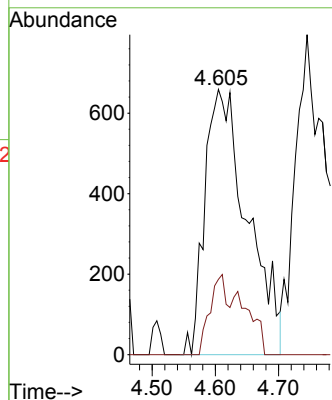
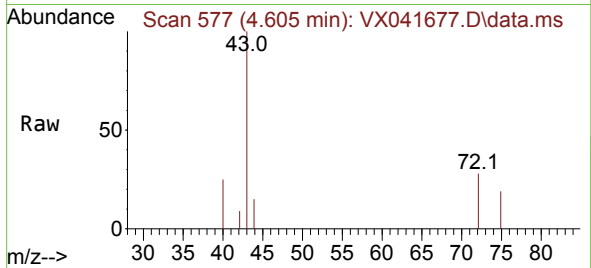




#25
2-Butanone
Concen: 2.859 ug/l
RT: 4.605 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX041677.D
Acq: 29 May 2024 16:30

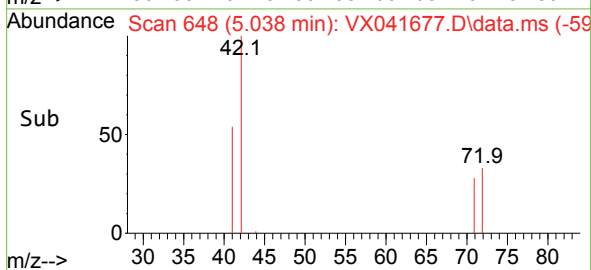
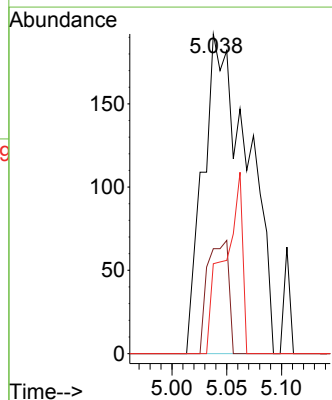
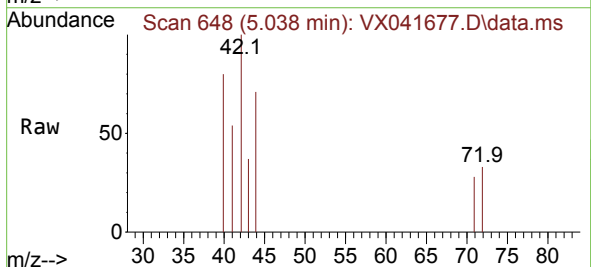
Instrument :
MSVOA_X
ClientSampleId :

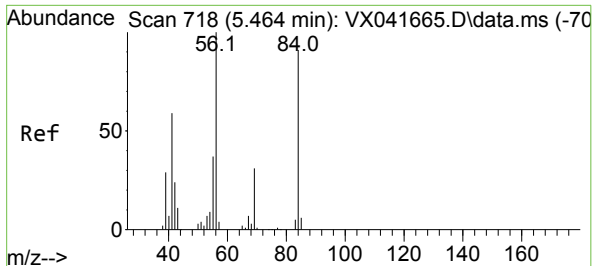
Tgt Ion: 43 Resp: 3078
Ion Ratio Lower Upper
43 100
72 28.4 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.803 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.025 min
Lab File: VX041677.D
Acq: 29 May 2024 16:30

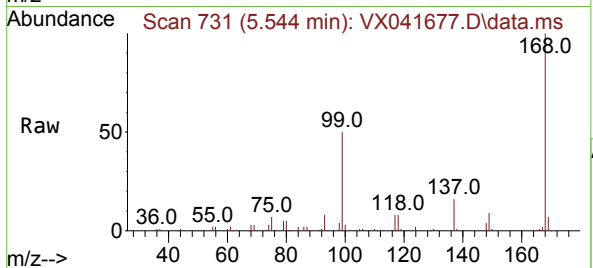
Tgt Ion: 42 Resp: 545
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 0.0 32.2 48.2#



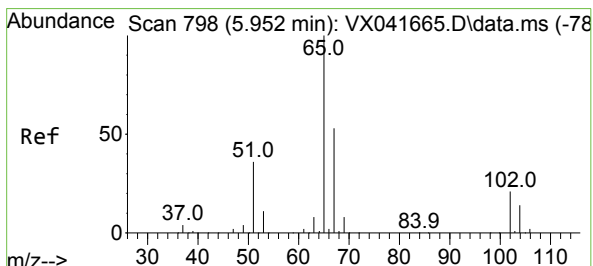
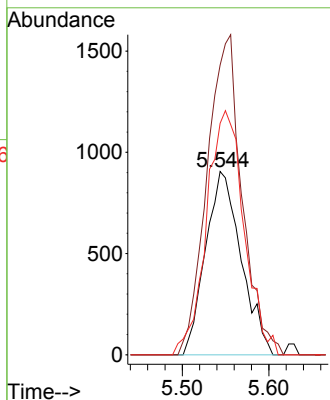
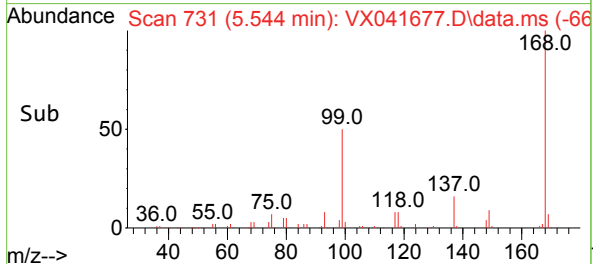


#31
Cyclohexane
Concen: 1.265 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX041677.D
Acq: 29 May 2024 16:30

Instrument :
MSVOA_X
ClientSampleId :

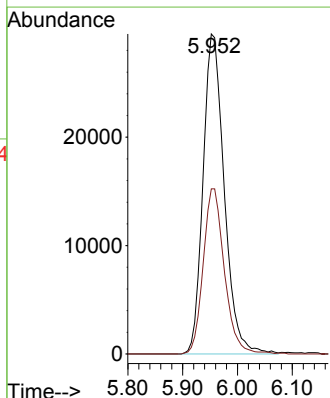
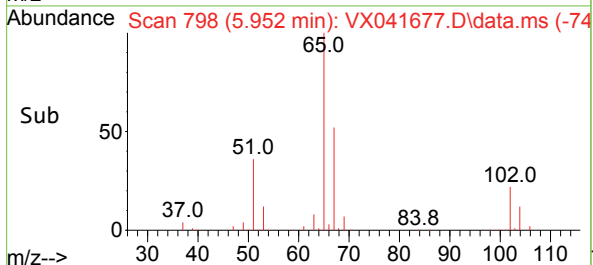
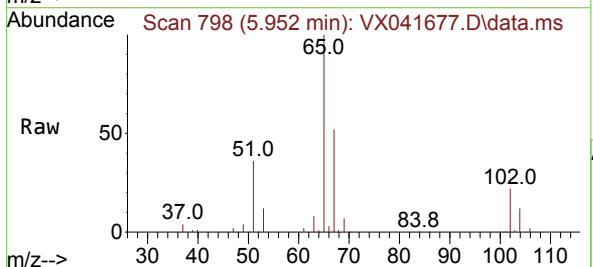


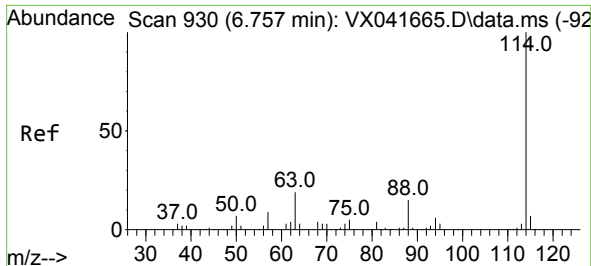
Tgt Ion: 56 Resp: 2586
Ion Ratio Lower Upper
56 100
69 158.1 23.4 35.2#
84 126.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 45.723 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX041677.D
Acq: 29 May 2024 16:30

Tgt Ion: 65 Resp: 79196
Ion Ratio Lower Upper
65 100
67 51.5 0.0 100.2

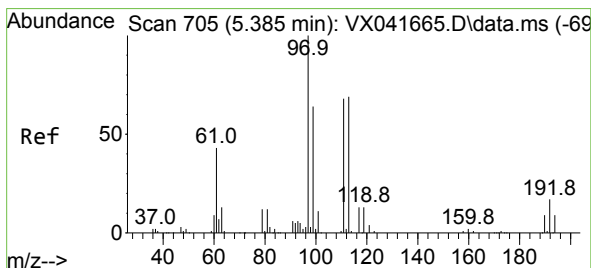
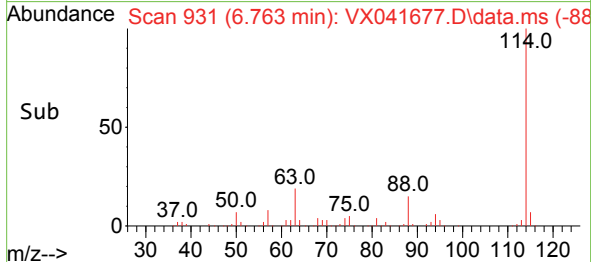
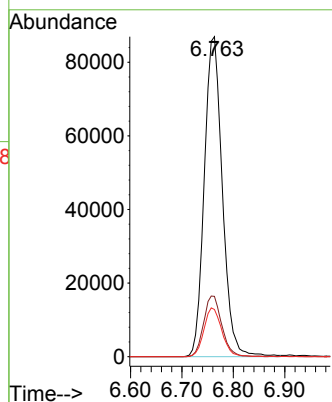
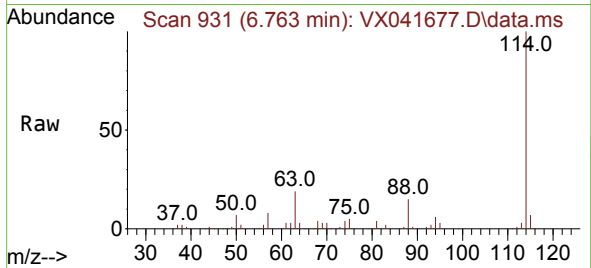




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX041677.D
Acq: 29 May 2024 16:30

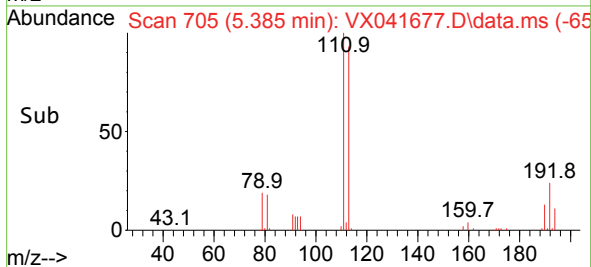
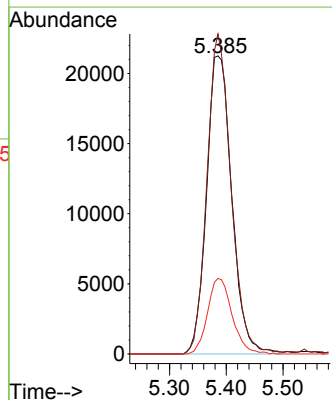
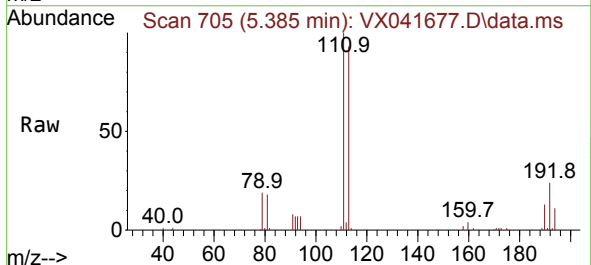
Instrument :
MSVOA_X
ClientSampleId :

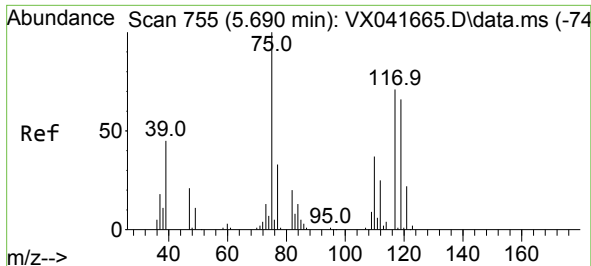
Tgt Ion:114 Resp: 212566
Ion Ratio Lower Upper
114 100
63 18.9 0.0 45.0
88 14.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.782 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041677.D
Acq: 29 May 2024 16:30

Tgt Ion:113 Resp: 65815
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 24.6 13.3 19.9#

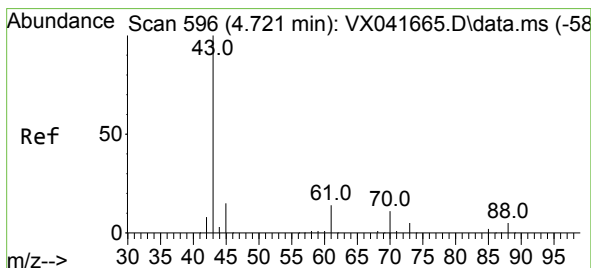
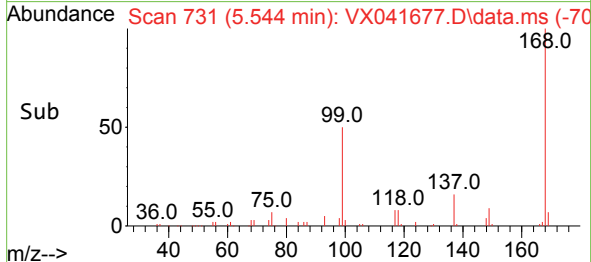
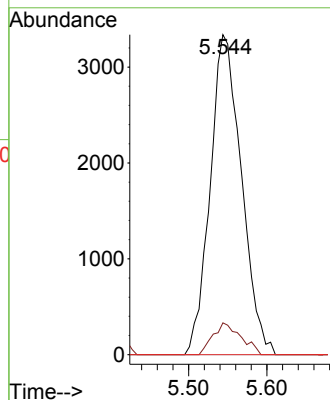
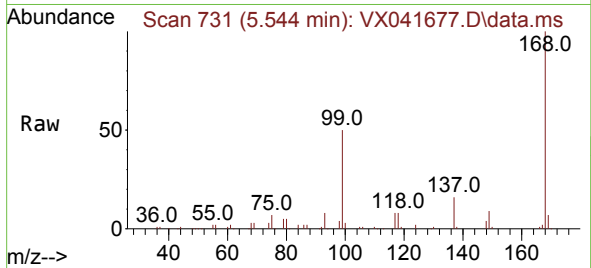




#36
1,1-Dichloropropene
Concen: 5.203 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX041677.D
Acq: 29 May 2024 16:30

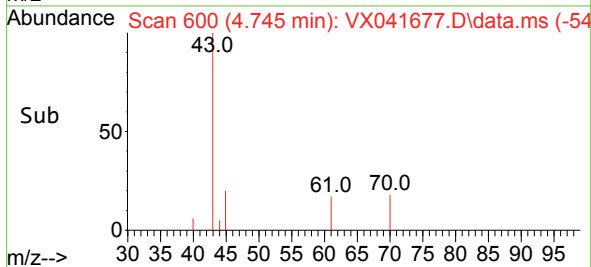
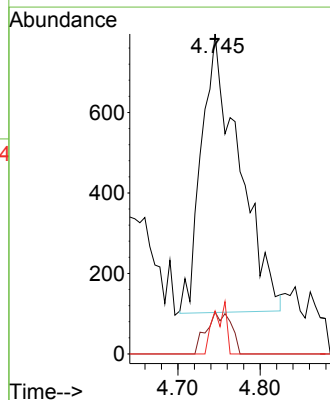
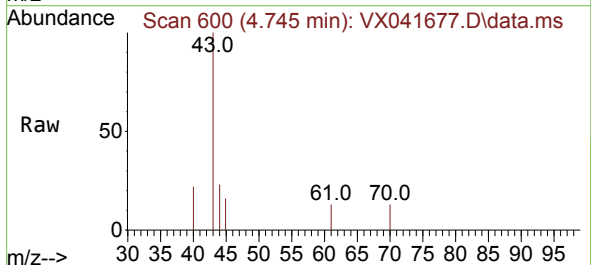
Instrument :
MSVOA_X
ClientSampleId :

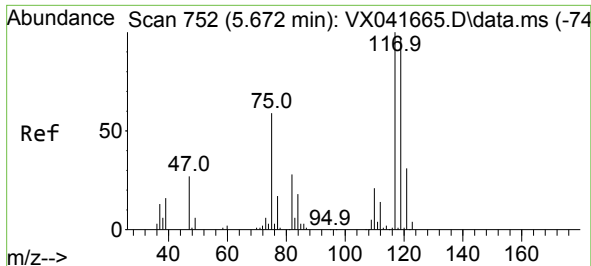
Tgt Ion: 75 Resp: 9259
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.984 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.025 min
Lab File: VX041677.D
Acq: 29 May 2024 16:30

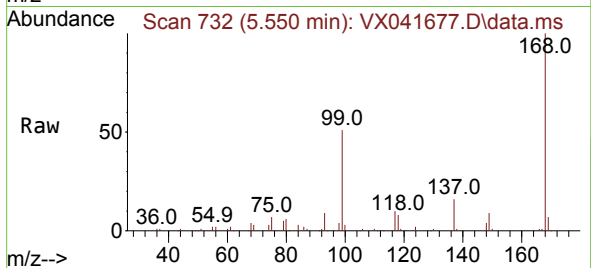
Tgt Ion: 43 Resp: 2211
Ion Ratio Lower Upper
43 100
61 9.8 10.6 16.0#
70 6.2 8.3 12.5#



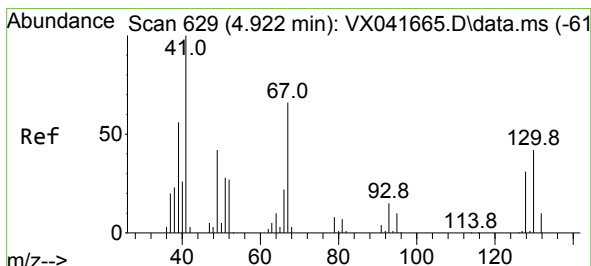
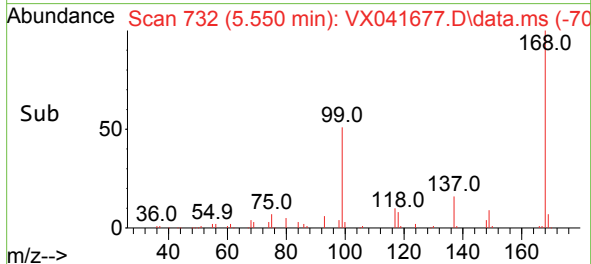
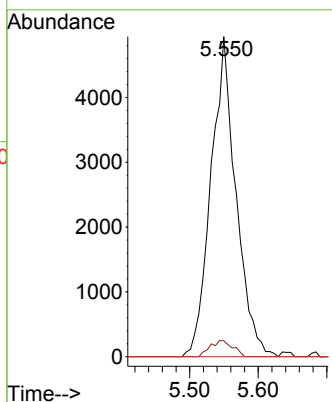


#38
Carbon Tetrachloride
Concen: 6.199 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX041677.D
Acq: 29 May 2024 16:30

Instrument :
MSVOA_X
ClientSampleId :

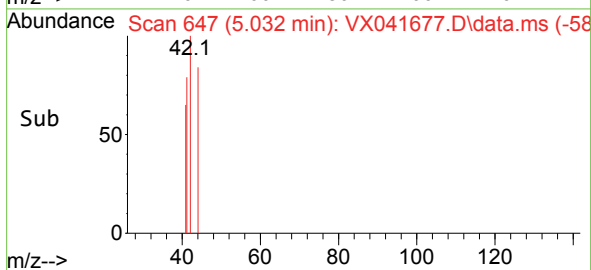
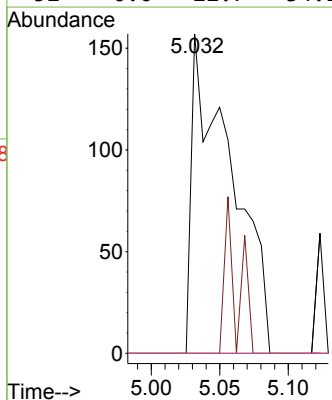
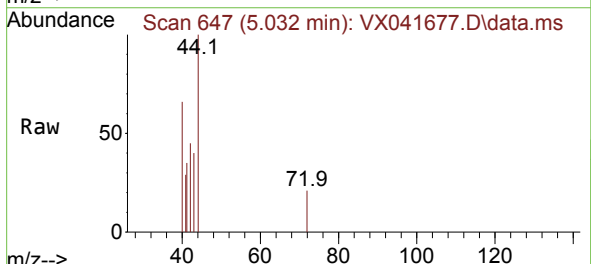


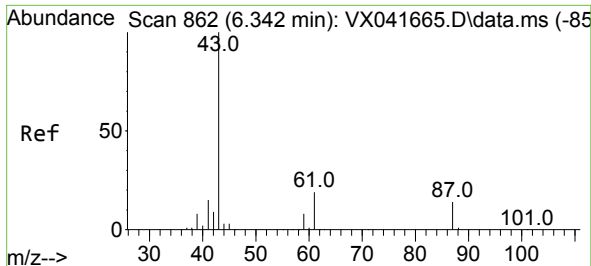
Tgt Ion:117 Resp: 12534
Ion Ratio Lower Upper
117 100
119 4.9 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.287 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX041677.D
Acq: 29 May 2024 16:30

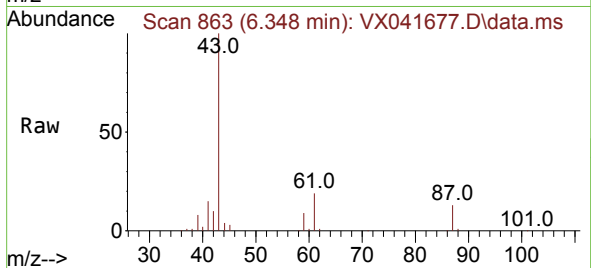
Tgt Ion: 41 Resp: 315
Ion Ratio Lower Upper
41 100
39 0.0 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#



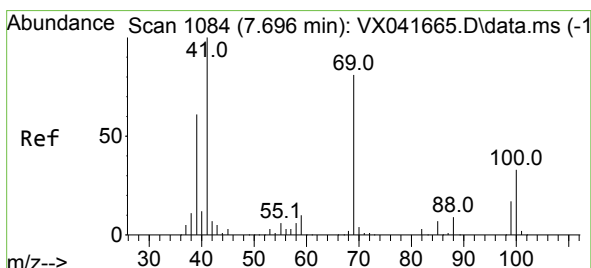
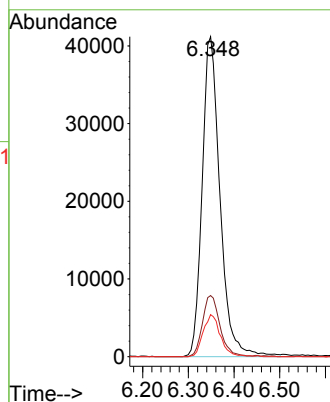
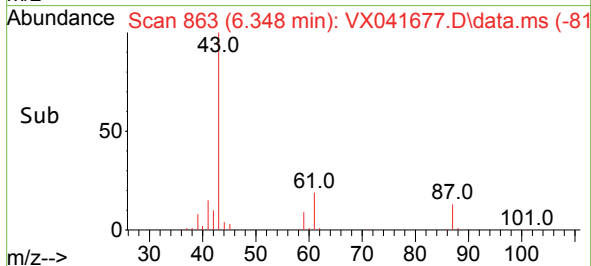


#43
Isopropyl Acetate
Concen: 32.874 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX041677.D
Acq: 29 May 2024 16:30

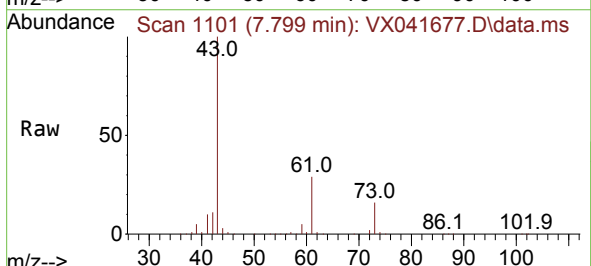
Instrument :
MSVOA_X
ClientSampleId :



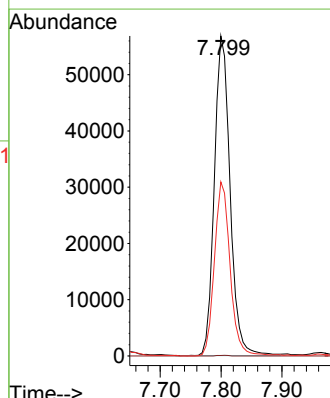
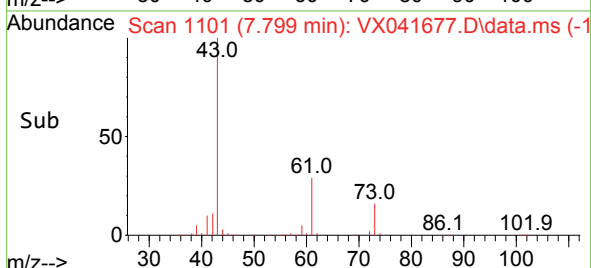
Tgt Ion: 43 Resp: 111465
Ion Ratio Lower Upper
43 100
61 18.8 15.2 22.8
87 12.8 9.8 14.6

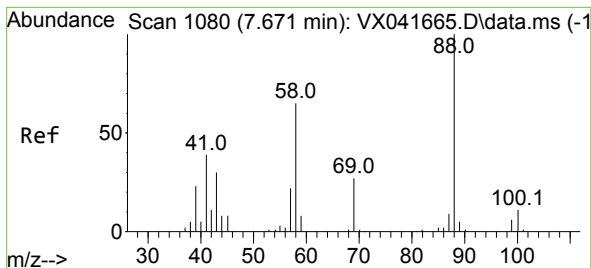


#48
Methyl methacrylate
Concen: 62.698 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX041677.D
Acq: 29 May 2024 16:30



Tgt Ion: 41 Resp: 102093
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 54.6 47.7 71.5





#49

1,4-Dioxane

Concen: 4.244 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.122 min

Lab File: VX041677.D

Acq: 29 May 2024 16:30

Instrument :

MSVOA_X

ClientSampleId :

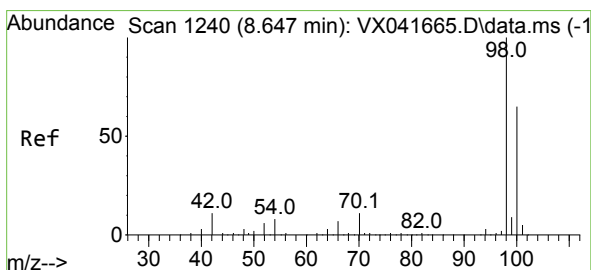
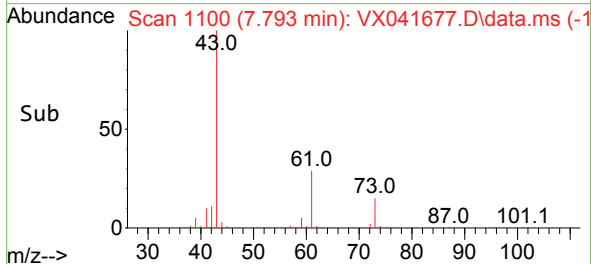
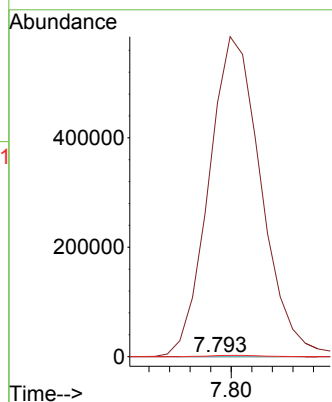
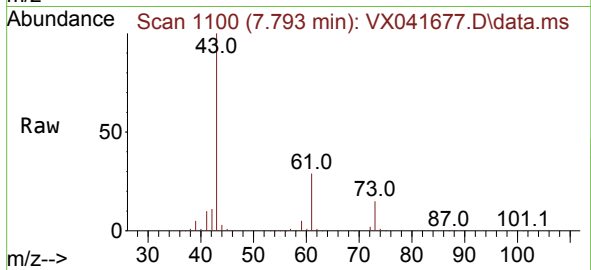
Tgt Ion: 88 Resp: 151

Ion Ratio Lower Upper

88 100

43 695880.1 0.0 0.0#

58 3060.9 60.1 90.1#



#50

Toluene-d8

Concen: 49.887 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX041677.D

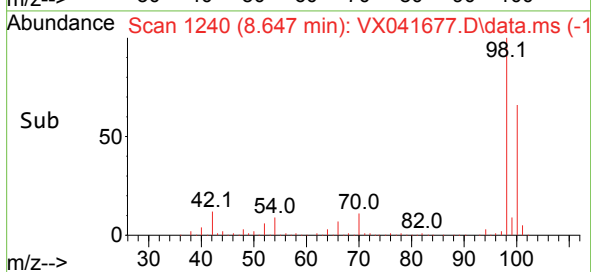
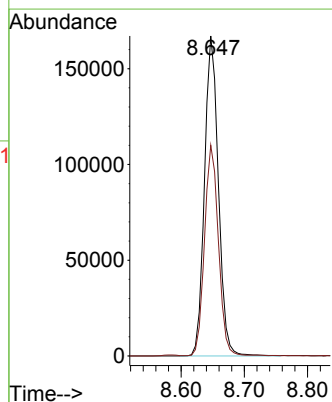
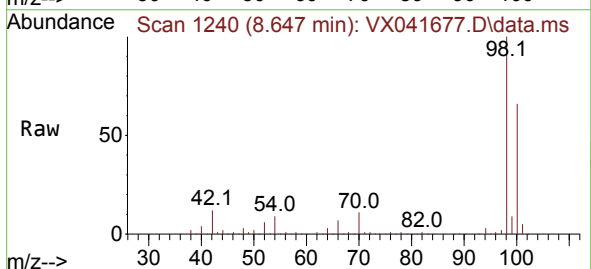
Acq: 29 May 2024 16:30

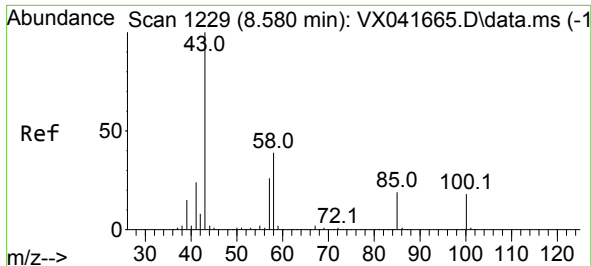
Tgt Ion: 98 Resp: 256182

Ion Ratio Lower Upper

98 100

100 65.6 53.1 79.7

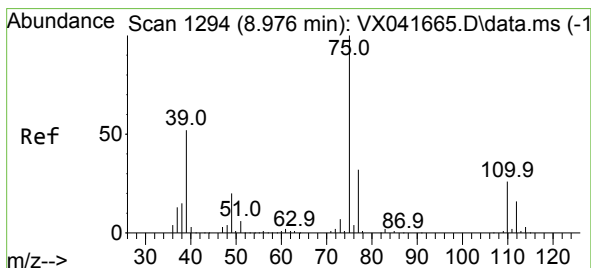
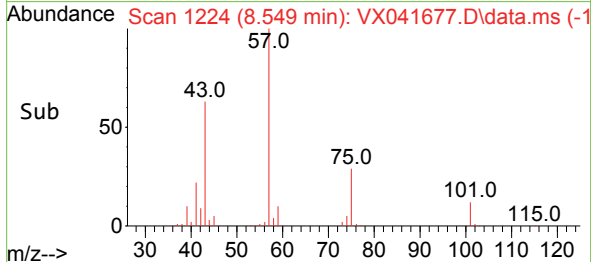
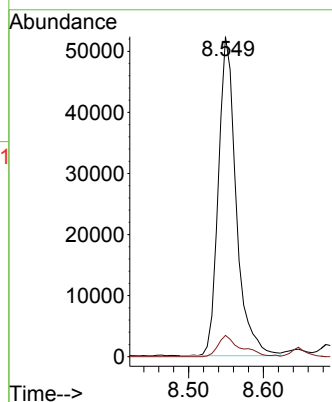
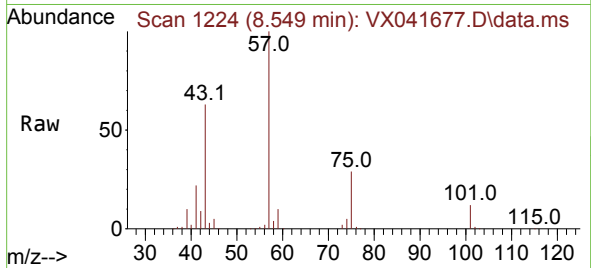




#51
4-Methyl-2-Pentanone
Concen: 39.408 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX041677.D
Acq: 29 May 2024 16:30

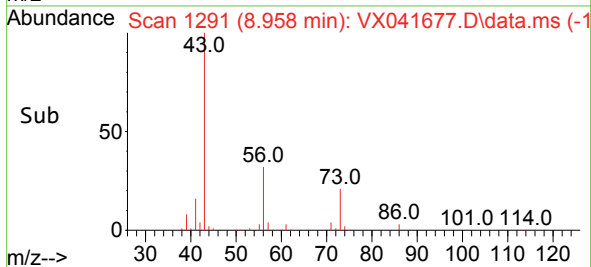
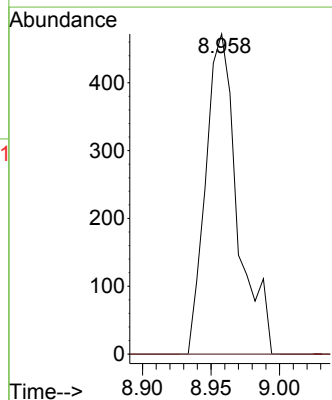
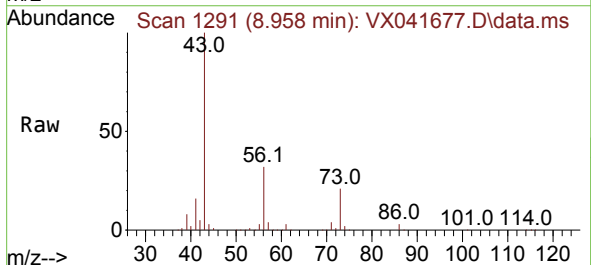
Instrument :
MSVOA_X
ClientSampleId :

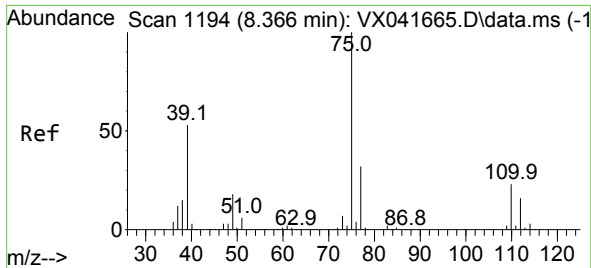
Tgt Ion: 43 Resp: 86648
Ion Ratio Lower Upper
43 100
58 8.3 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.413 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX041677.D
Acq: 29 May 2024 16:30

Tgt Ion: 75 Resp: 764
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

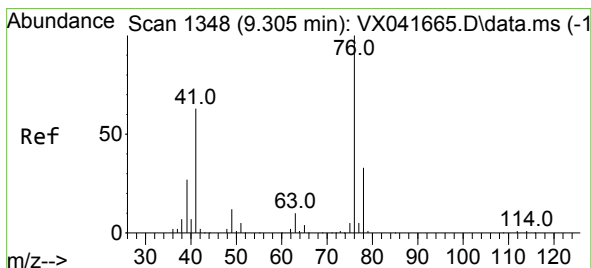
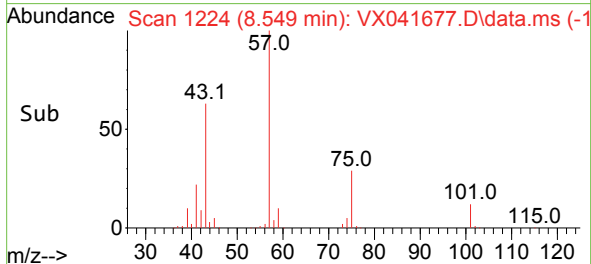
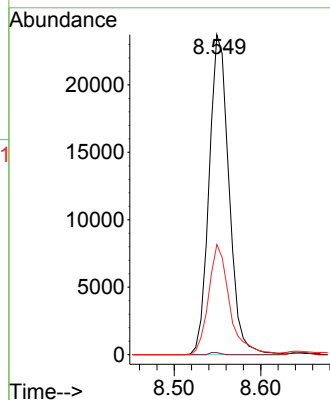
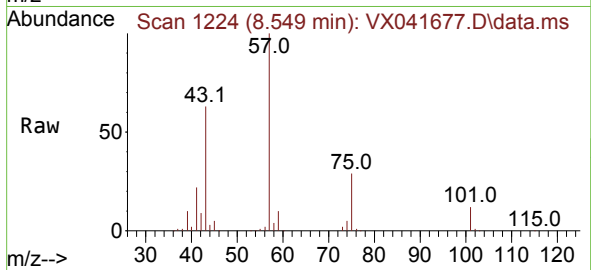




#54
cis-1,3-Dichloropropene
Concen: 18.478 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX041677.D
Acq: 29 May 2024 16:30

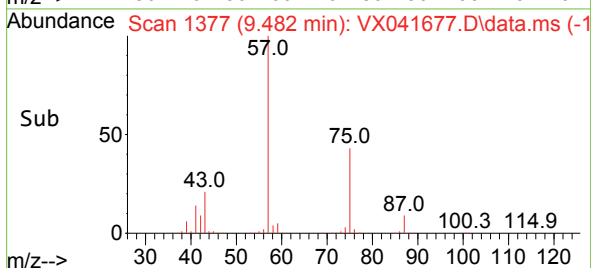
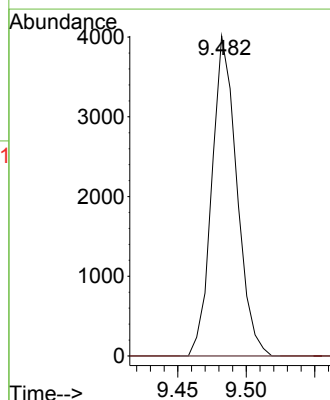
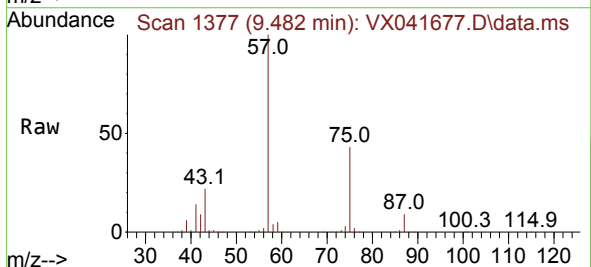
Instrument :
MSVOA_X
ClientSampleId :

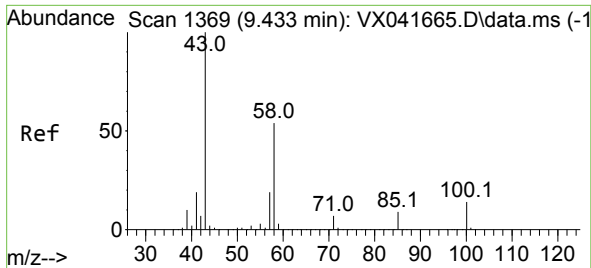
Tgt Ion: 75 Resp: 37792
Ion Ratio Lower Upper
75 100
77 0.6 25.3 37.9#
39 34.4 46.7 70.1#



#57
1,3-Dichloropropane
Concen: 2.154 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX041677.D
Acq: 29 May 2024 16:30

Tgt Ion: 76 Resp: 5088
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

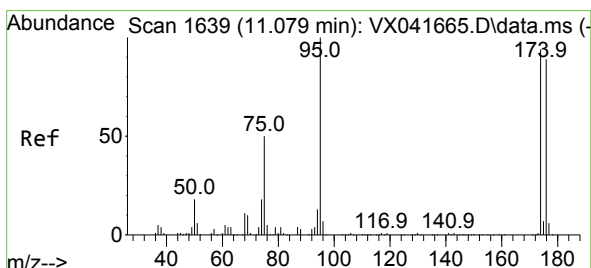
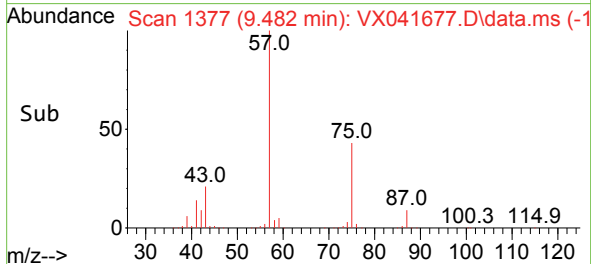
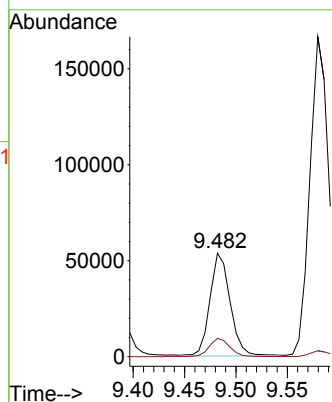
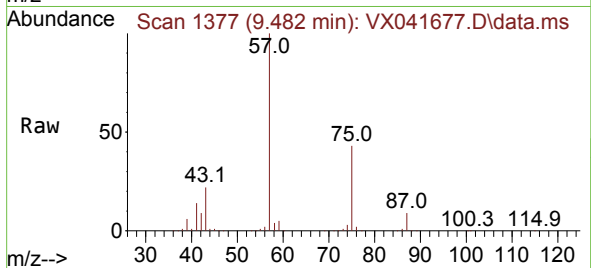




#59
2-Hexanone
Concen: 43.837 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX041677.D
Acq: 29 May 2024 16:30

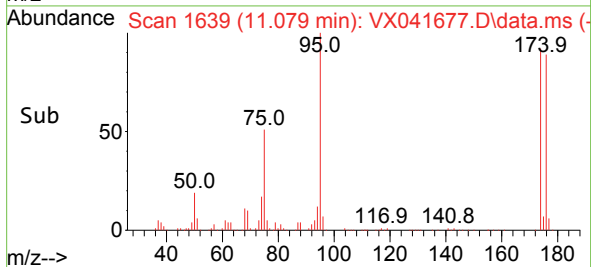
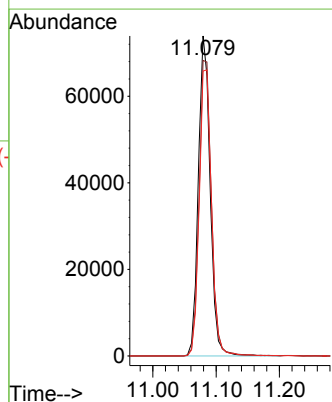
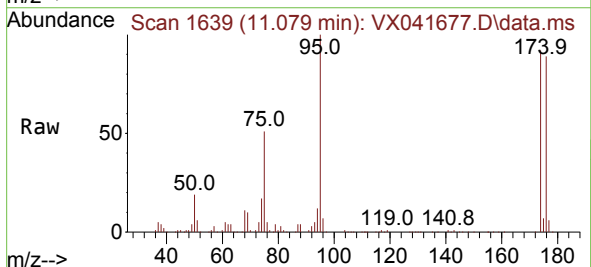
Instrument :
MSVOA_X
ClientSampleId :

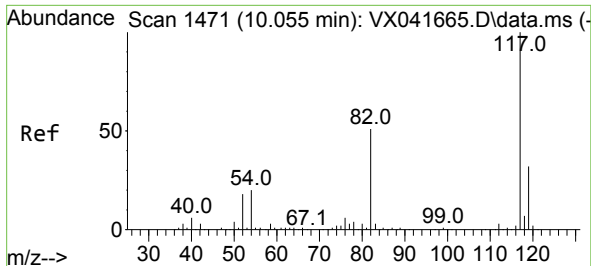
Tgt Ion: 43 Resp: 73485
Ion Ratio Lower Upper
43 100
58 18.5 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 50.756 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041677.D
Acq: 29 May 2024 16:30

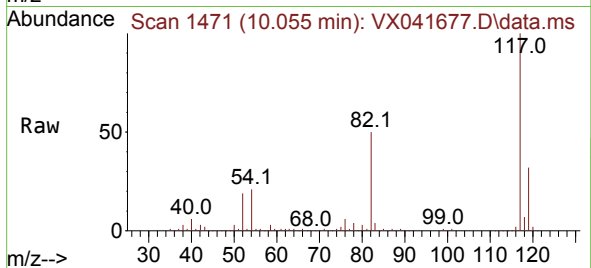
Tgt Ion: 95 Resp: 96198
Ion Ratio Lower Upper
95 100
174 96.6 0.0 135.6
176 93.1 0.0 131.0



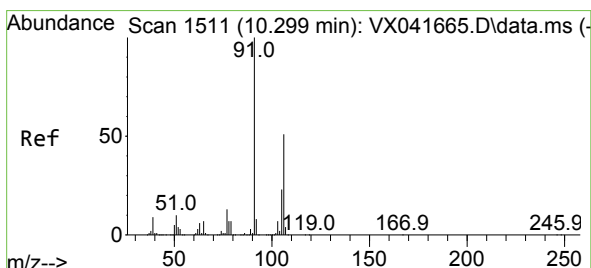
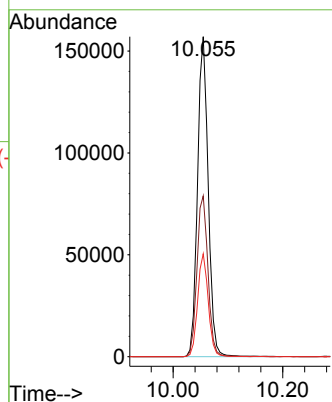
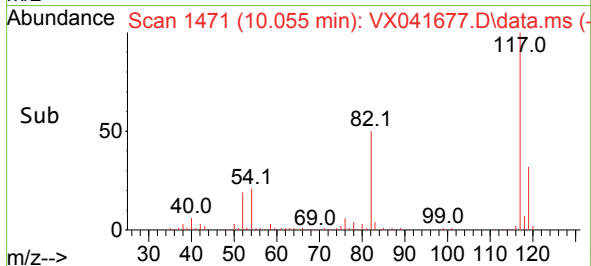


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041677.D
Acq: 29 May 2024 16:30

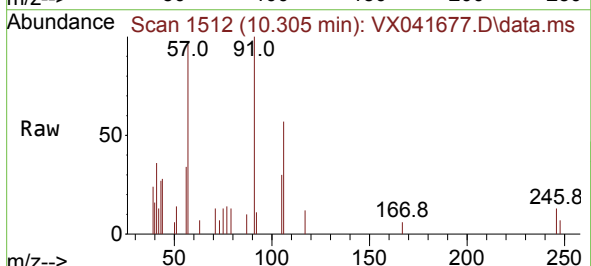
Instrument :
MSVOA_X
ClientSampleId :



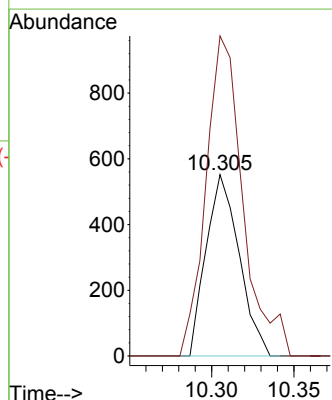
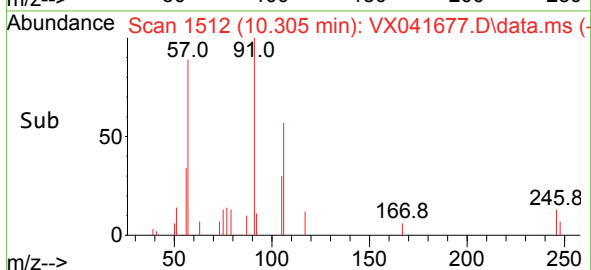
Tgt Ion:117 Resp: 213252
Ion Ratio Lower Upper
117 100
82 50.2 46.2 69.4
119 32.1 25.5 38.3

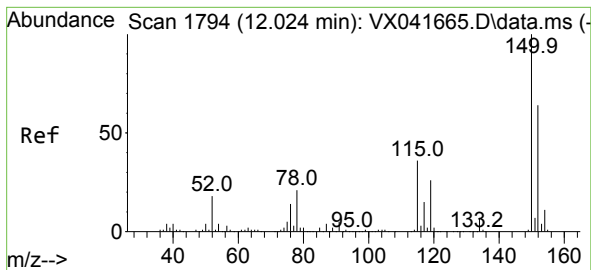


#68
m/p-Xylenes
Concen: 0.266 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX041677.D
Acq: 29 May 2024 16:30



Tgt Ion:106 Resp: 771
Ion Ratio Lower Upper
106 100
91 197.4 165.5 248.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX041677.D

Acq: 29 May 2024 16:30

Instrument :

MSVOA_X

ClientSampleId :

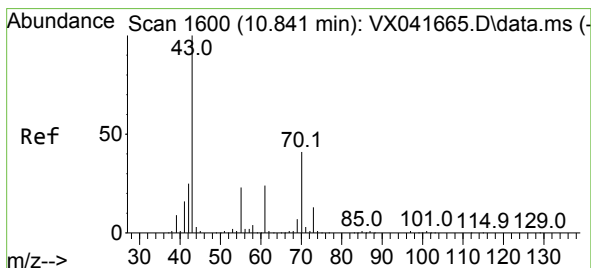
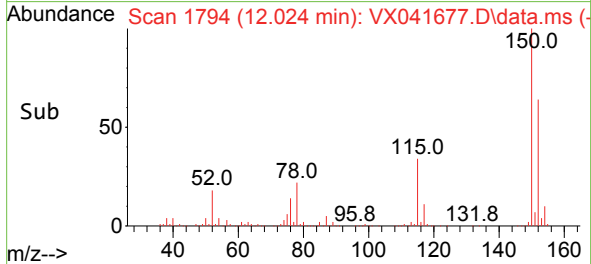
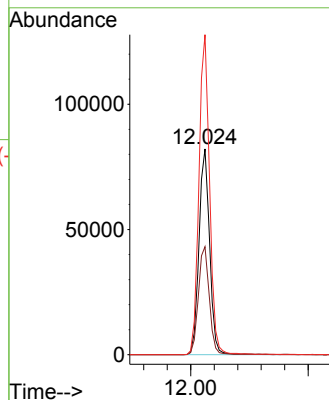
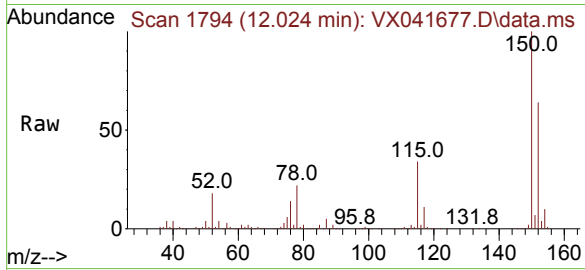
Tgt Ion:152 Resp: 103426

Ion Ratio Lower Upper

152 100

115 53.9 43.3 129.9

150 155.9 0.0 345.0



#74

N-ethyl acetate

Concen: 7.902 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX041677.D

Acq: 29 May 2024 16:30

Tgt Ion: 43 Resp: 22457

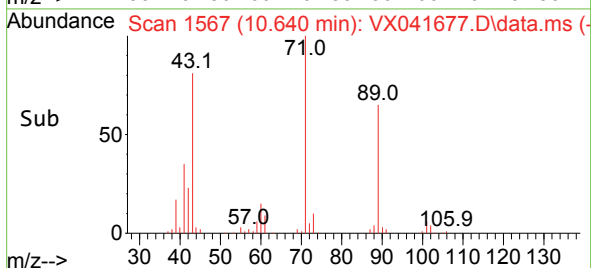
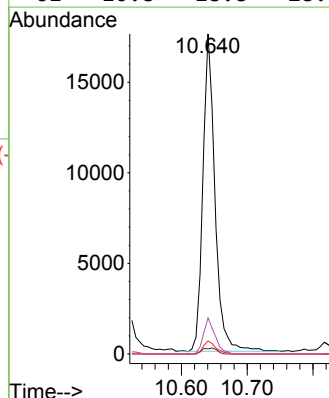
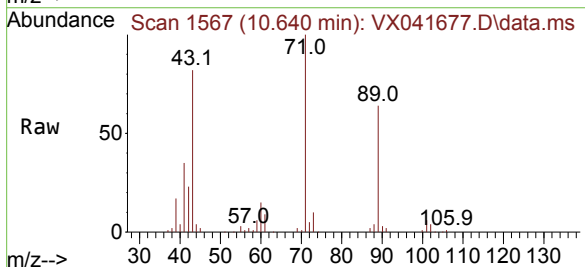
Ion Ratio Lower Upper

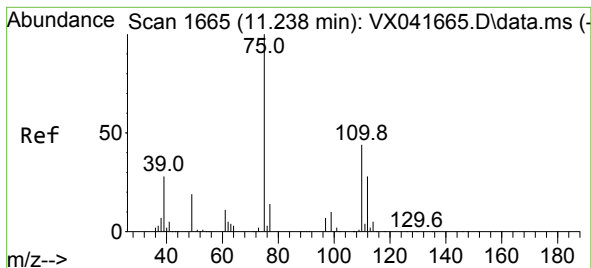
43 100

70 2.2 32.9 49.3#

55 4.2 19.3 28.9#

61 10.8 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 27.018 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041677.D

Acq: 29 May 2024 16:30

Instrument :

MSVOA_X

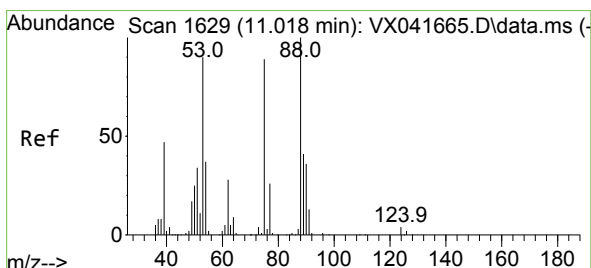
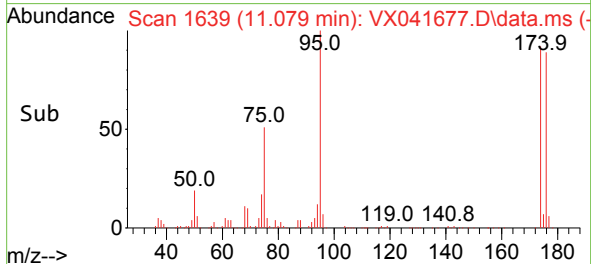
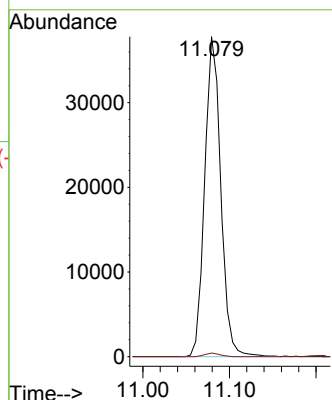
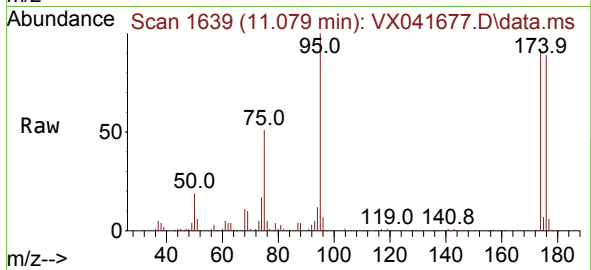
ClientSampleId :

Tgt Ion: 75 Resp: 48756

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.638 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041677.D

Acq: 29 May 2024 16:30

Tgt Ion: 75 Resp: 48756

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

