

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052924\
 Data File : VX041678.D
 Acq On : 29 May 2024 16:53
 Operator : JC/MD
 Sample : PB161143ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 30 07:45:30 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)

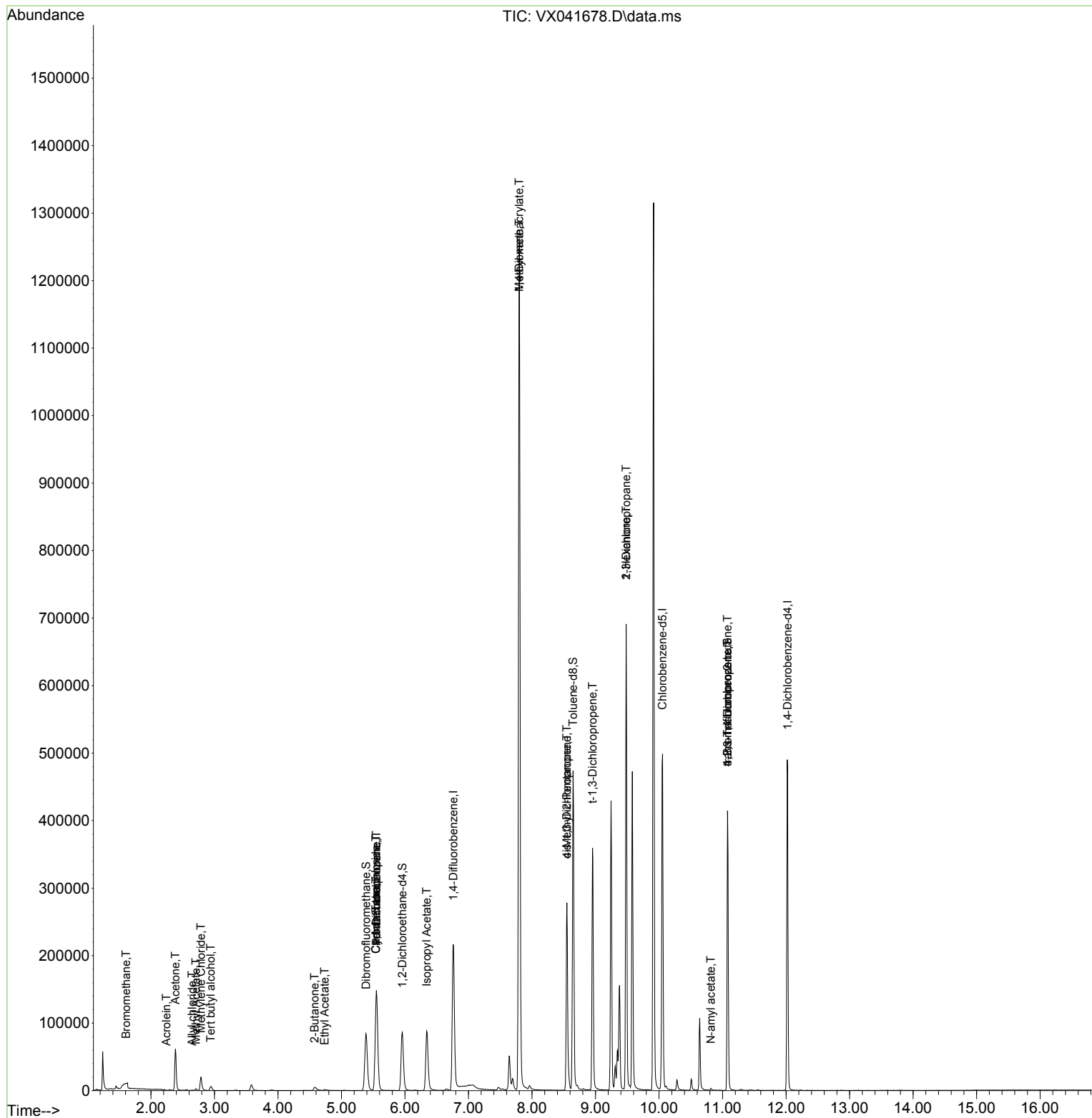
Internal Standards						
1) Pentafluorobenzene	5.550	168	151874	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	233315	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	231105	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112015	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	86093	46.220	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.440%
35) Dibromofluoromethane	5.385	113	72646	45.034	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.060%
50) Toluene-d8	8.647	98	278708	49.447	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.900%
62) 4-Bromofluorobenzene	11.079	95	102646	49.342	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.680%
Target Compounds						
						Qvalue
5) Bromomethane	1.605	94	311	0.298	ug/l	# 65
11) Tert butyl alcohol	2.941	59	4045	12.276	ug/l	# 78
13) Acrolein	2.239	56	87	0.284	ug/l	# 52
14) Allyl chloride	2.648	41	525	0.236	ug/l	# 46
16) Acetone	2.386	43	66838	79.686	ug/l	96
18) Methyl Acetate	2.709	43	3211	1.805	ug/l	94
20) Methylene Chloride	2.788	84	9917	5.949	ug/l	# 91
25) 2-Butanone	4.574	43	10128	8.749	ug/l	96
31) Cyclohexane	5.544	56	2801	1.274	ug/l	# 15
36) 1,1-Dichloropropene	5.550	75	10142	5.192	ug/l	# 51
37) Ethyl Acetate	4.733	43	2737	1.110	ug/l	# 88
38) Carbon Tetrachloride	5.544	117	13712	6.179	ug/l	# 15
43) Isopropyl Acetate	6.342	43	125032	33.595	ug/l	99
48) Methyl methacrylate	7.799	41	114302	63.953	ug/l	# 48
49) 1,4-Dioxane	7.799	88	162	4.148	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	102636	42.528	ug/l	# 47
53) t-1,3-Dichloropropene	8.952	75	801	0.395	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	44207	19.693	ug/l	# 56
57) 1,3-Dichloropropane	9.482	76	5566	2.147	ug/l	# 42
59) 2-Hexanone	9.482	43	82171	44.659	ug/l	# 52
74) N-amyl acetate	10.817	43	1111	0.361	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	52279	26.749	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	52279	72.904	ug/l	# 5

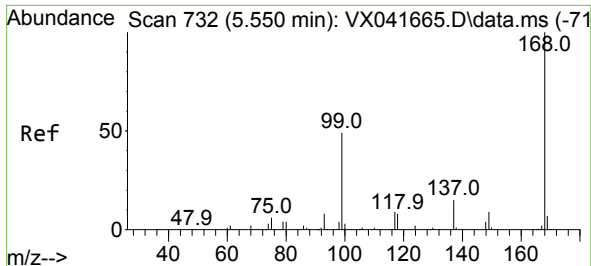
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052924\
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ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId :

Quant Time: May 30 07:45:30 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



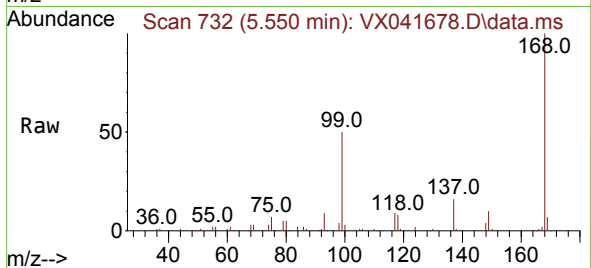


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041678.D
Acq: 29 May 2024 16:53

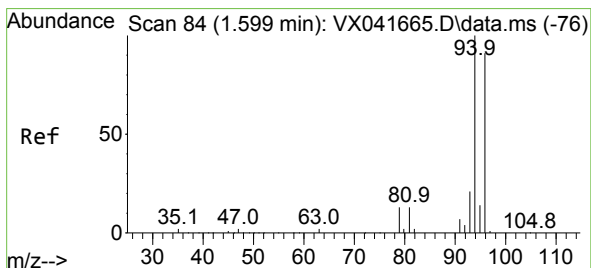
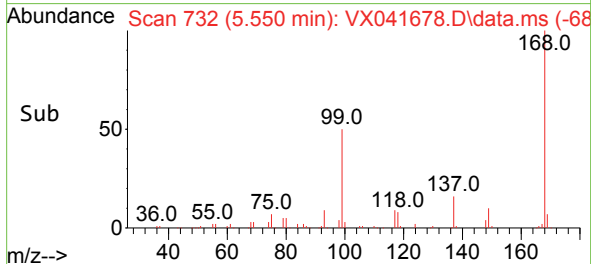
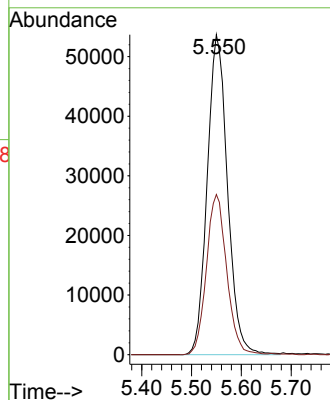
Instrument :

MSVOA_X

ClientSampleId :

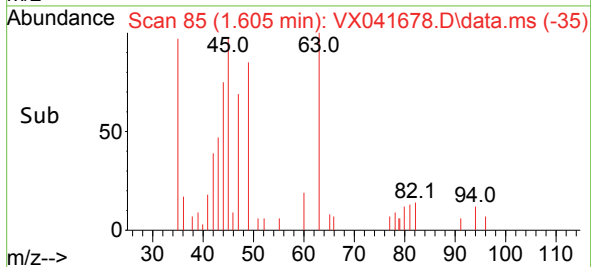
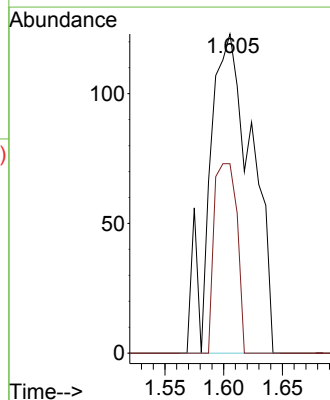
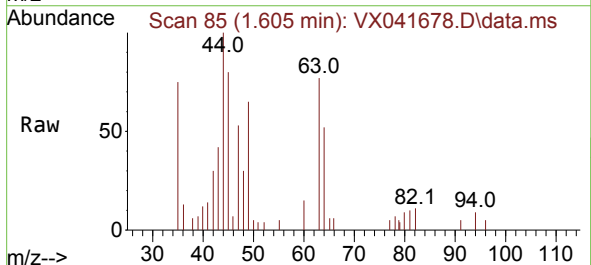


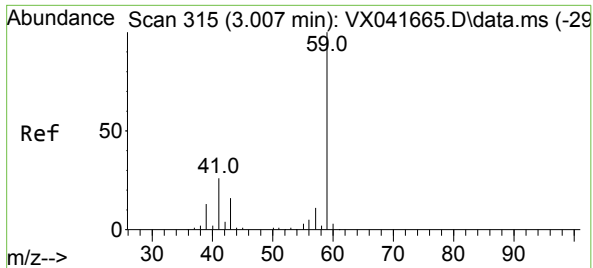
Tgt Ion:168 Resp: 151874
Ion Ratio Lower Upper
168 100
99 50.1 56.6 85.0#



#5
Bromomethane
Concen: 0.298 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX041678.D
Acq: 29 May 2024 16:53

Tgt Ion: 94 Resp: 311
Ion Ratio Lower Upper
94 100
96 59.3 74.6 111.8#

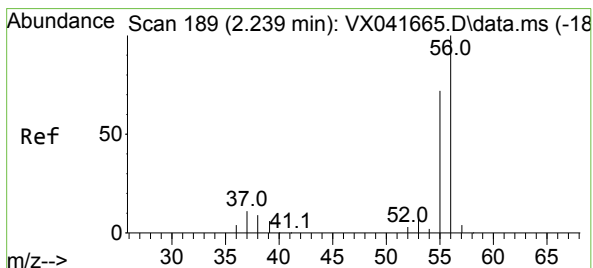
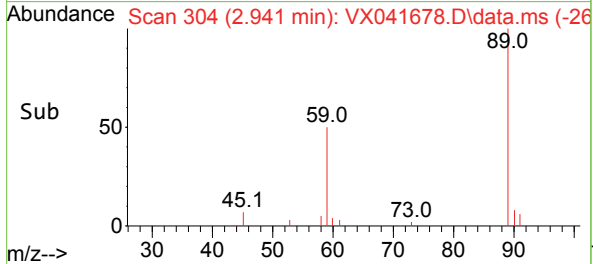
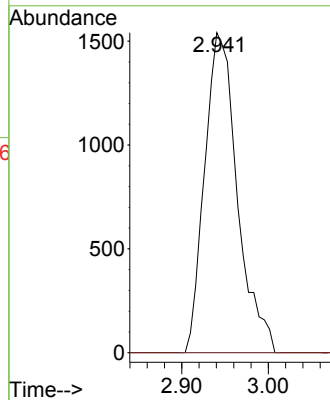
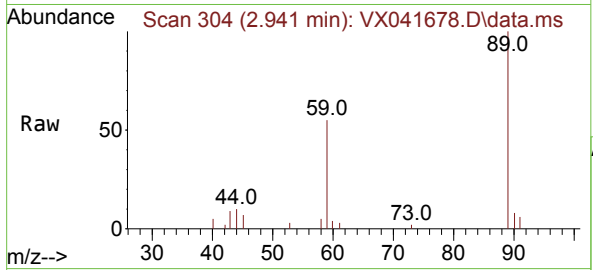




#11
Tert butyl alcohol
Concen: 12.276 ug/l
RT: 2.941 min Scan# 30
Delta R.T. -0.067 min
Lab File: VX041678.D
Acq: 29 May 2024 16:53

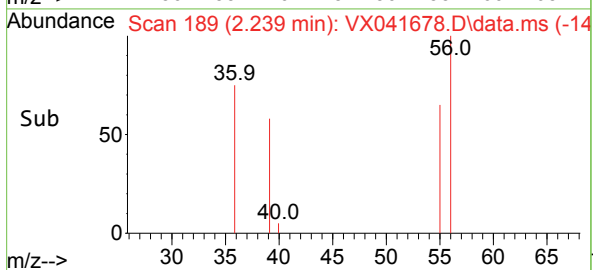
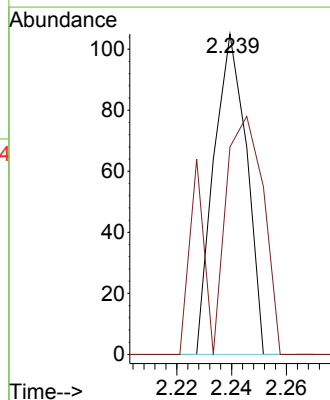
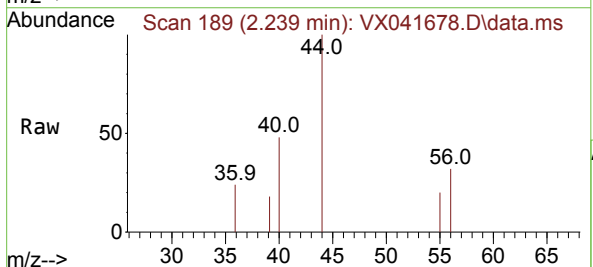
Instrument :
MSVOA_X
ClientSampleId :

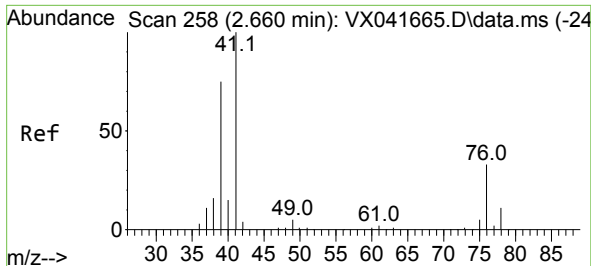
Tgt Ion: 59 Resp: 4045
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#13
Acrolein
Concen: 0.284 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX041678.D
Acq: 29 May 2024 16:53

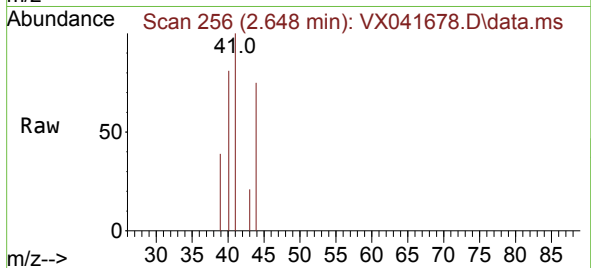
Tgt Ion: 56 Resp: 87
Ion Ratio Lower Upper
56 100
55 111.5 57.1 85.7#



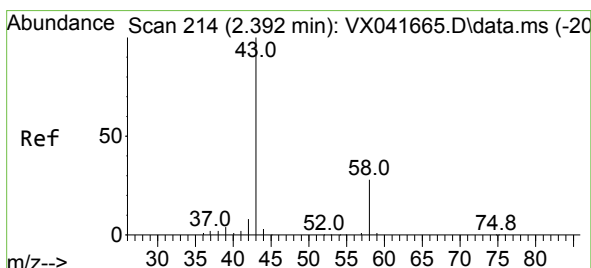
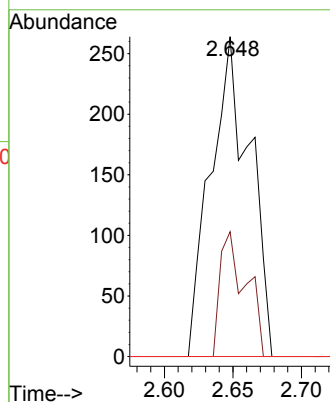
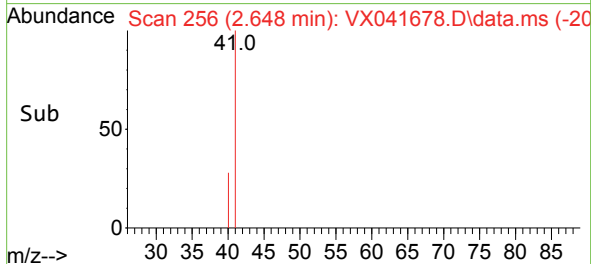


#14
 Allyl chloride
 Concen: 0.236 ug/l
 RT: 2.648 min Scan# 213
 Delta R.T. -0.012 min
 Lab File: VX041678.D
 Acq: 29 May 2024 16:53

Instrument :
 MSVOA_X
 ClientSampleId :

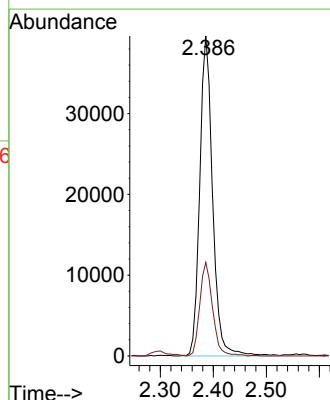
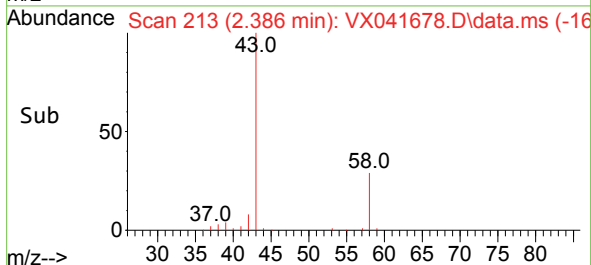
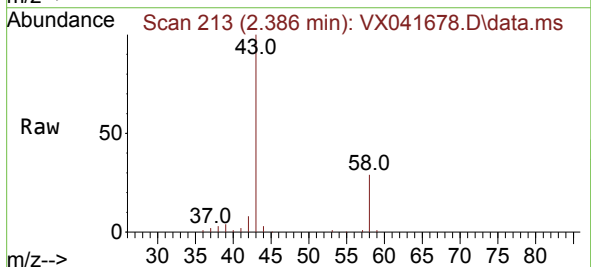


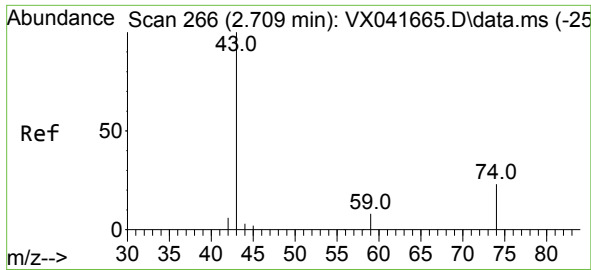
Tgt Ion: 41 Resp: 525
 Ion Ratio Lower Upper
 41 100
 39 25.7 55.8 83.6#
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 79.686 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.006 min
 Lab File: VX041678.D
 Acq: 29 May 2024 16:53

Tgt Ion: 43 Resp: 66838
 Ion Ratio Lower Upper
 43 100
 58 29.3 21.9 32.9

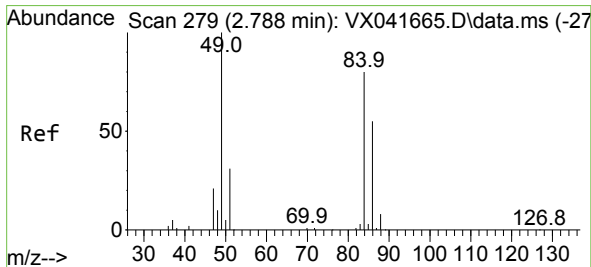
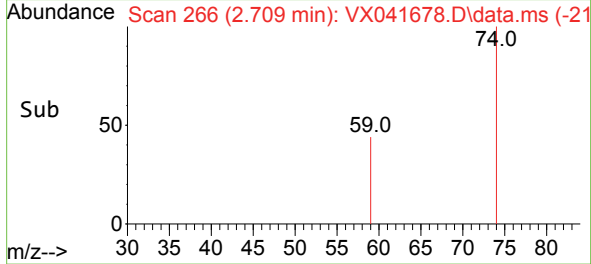
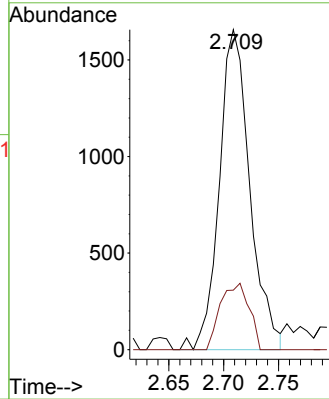
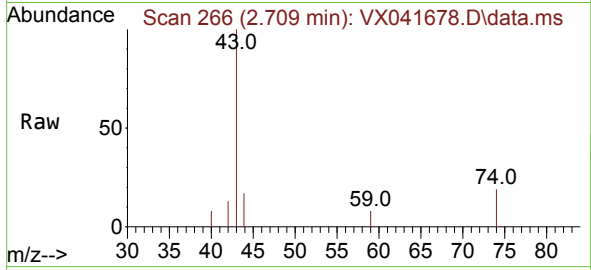




#18
Methyl Acetate
Concen: 1.805 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX041678.D
Acq: 29 May 2024 16:53

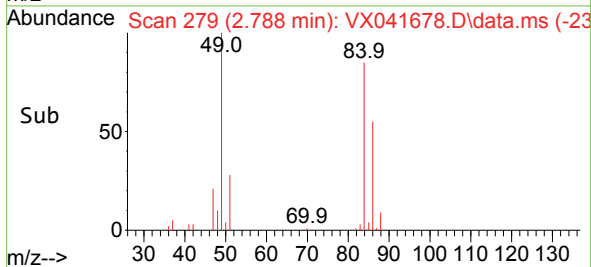
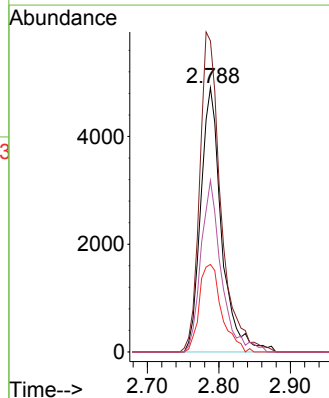
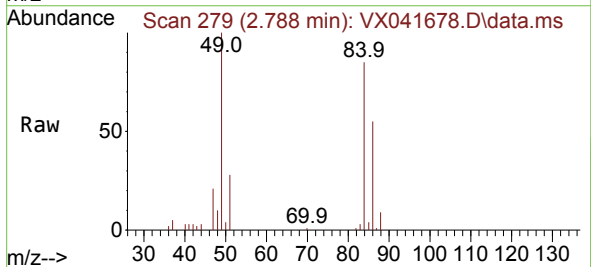
Instrument :
MSVOA_X
ClientSampleId :

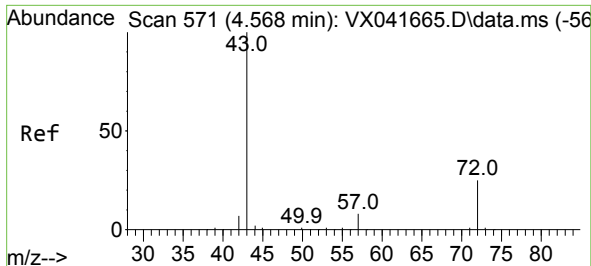
Tgt Ion: 43 Resp: 3211
Ion Ratio Lower Upper
43 100
74 19.4 17.8 26.8



#20
Methylene Chloride
Concen: 5.949 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX041678.D
Acq: 29 May 2024 16:53

Tgt Ion: 84 Resp: 9917
Ion Ratio Lower Upper
84 100
49 117.8 103.6 155.4
51 33.2 33.8 50.6#
86 64.9 49.4 74.0

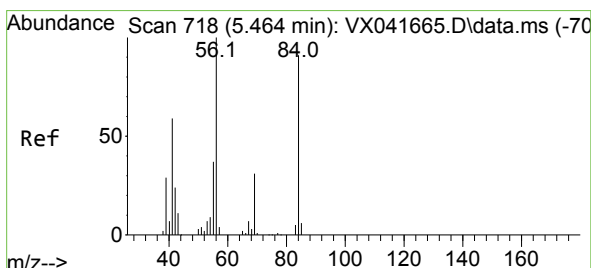
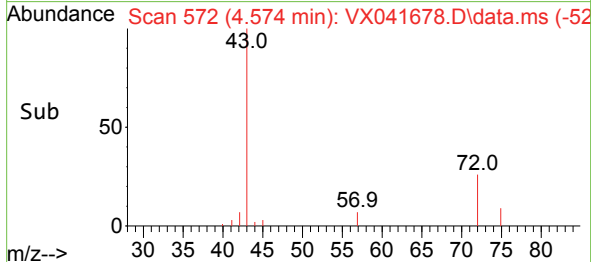
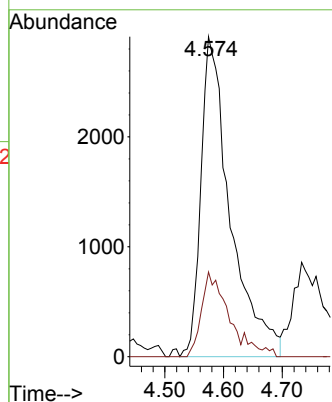
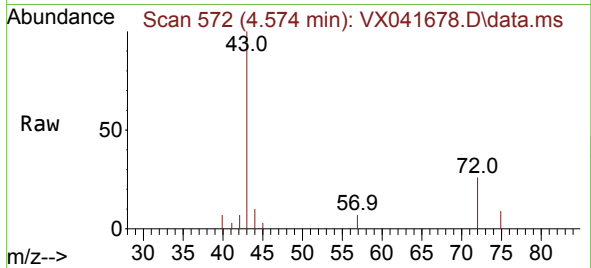




#25
2-Butanone
Concen: 8.749 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX041678.D
Acq: 29 May 2024 16:53

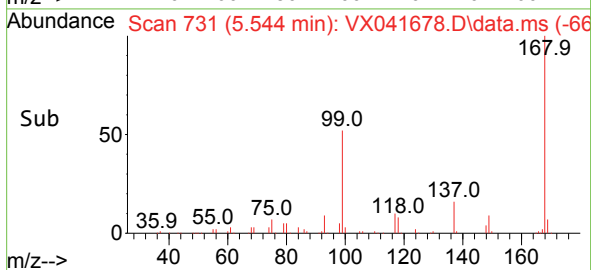
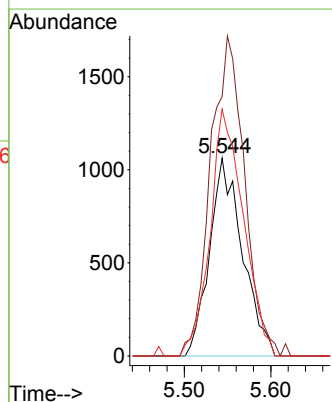
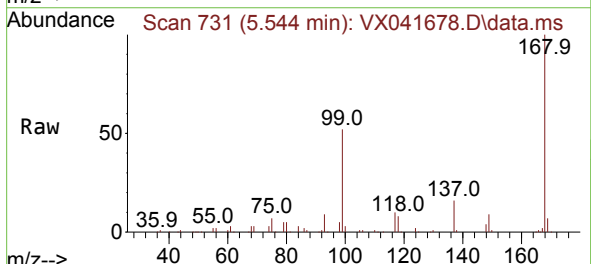
Instrument :
MSVOA_X
ClientSampleId :

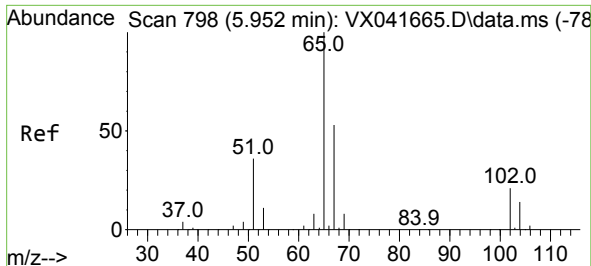
Tgt Ion: 43 Resp: 10128
Ion Ratio Lower Upper
43 100
72 26.5 19.4 29.2



#31
Cyclohexane
Concen: 1.274 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX041678.D
Acq: 29 May 2024 16:53

Tgt Ion: 56 Resp: 2801
Ion Ratio Lower Upper
56 100
69 131.2 23.4 35.2#
84 124.8 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 46.220 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX041678.D

Acq: 29 May 2024 16:53

Instrument :

MSVOA_X

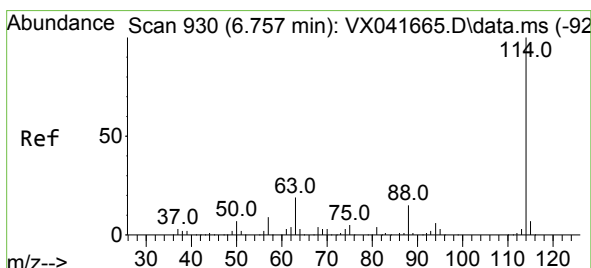
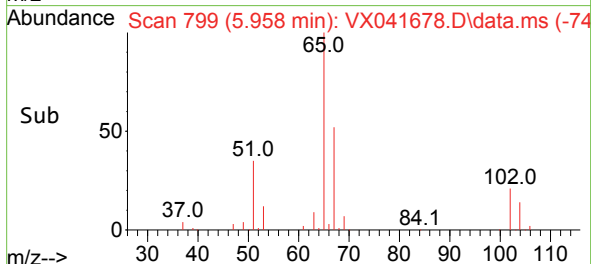
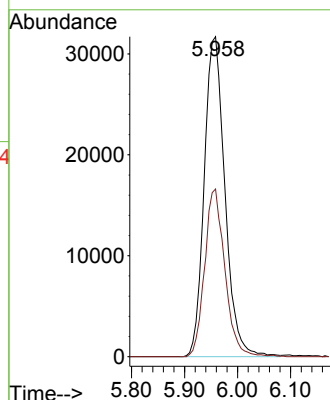
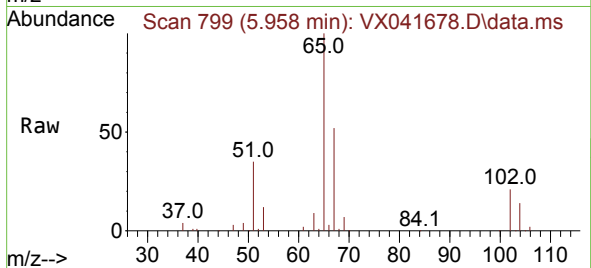
ClientSampleId :

Tgt Ion: 65 Resp: 86093

Ion Ratio Lower Upper

65 100

67 51.2 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX041678.D

Acq: 29 May 2024 16:53

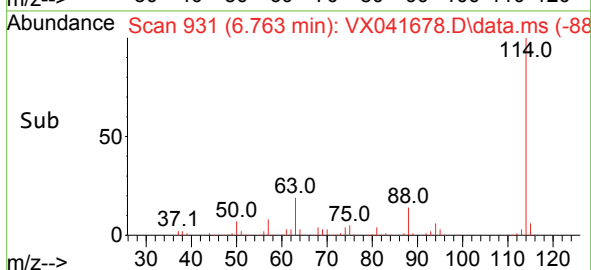
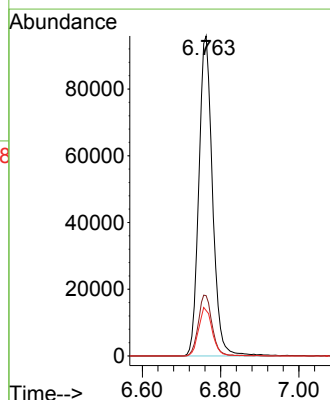
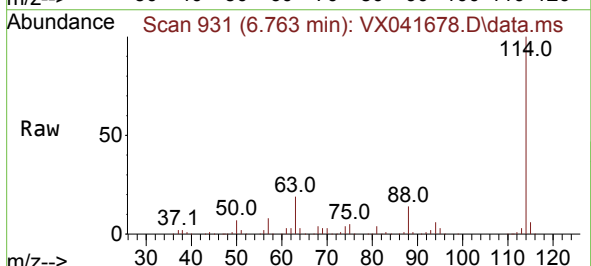
Tgt Ion: 114 Resp: 233315

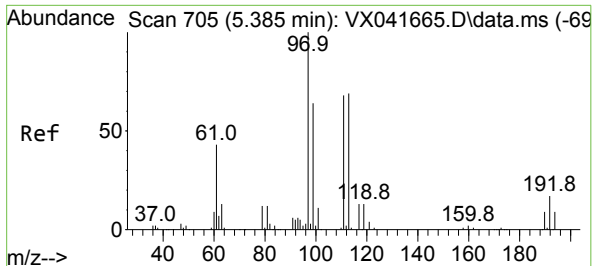
Ion Ratio Lower Upper

114 100

63 18.9 0.0 45.0

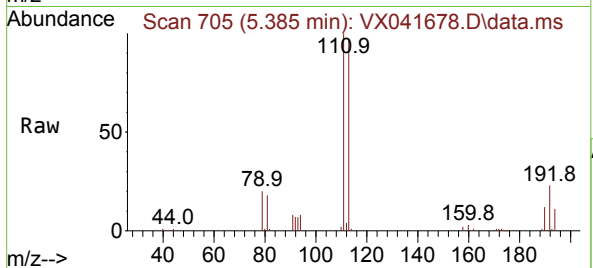
88 14.2 0.0 36.6



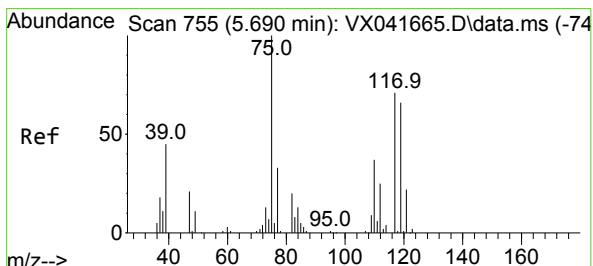
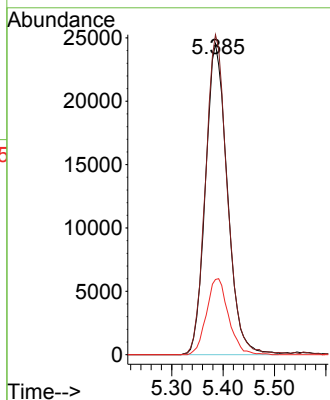
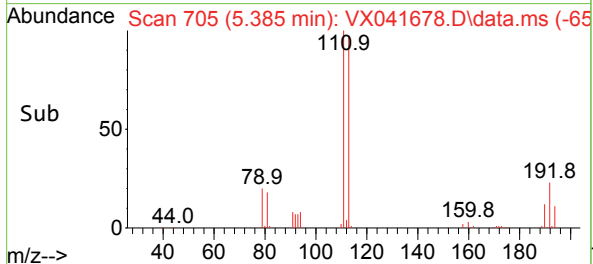


#35
Dibromofluoromethane
Concen: 45.034 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041678.D
Acq: 29 May 2024 16:53

Instrument :
MSVOA_X
ClientSampleId :

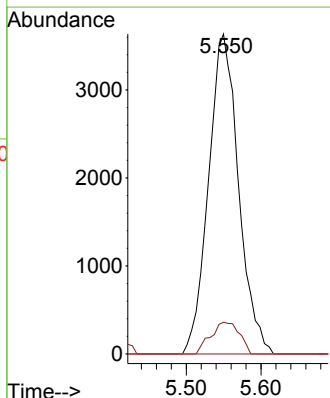
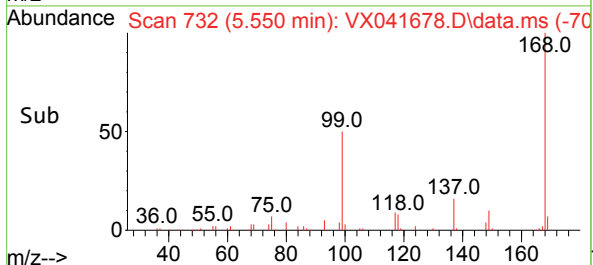
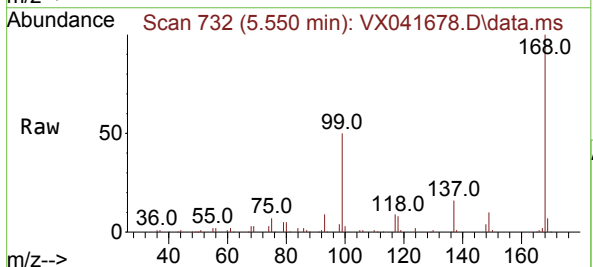


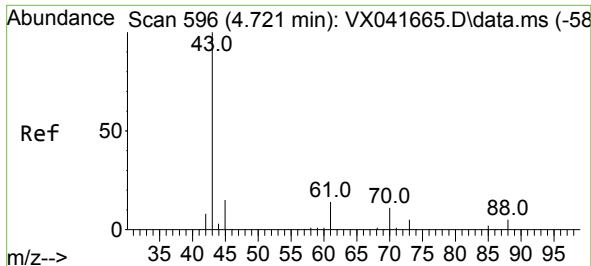
Tgt Ion:113 Resp: 72646
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 24.6 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 5.192 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX041678.D
Acq: 29 May 2024 16:53

Tgt Ion: 75 Resp: 10142
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.110 ug/l

RT: 4.733 min Scan# 596

Delta R.T. 0.012 min

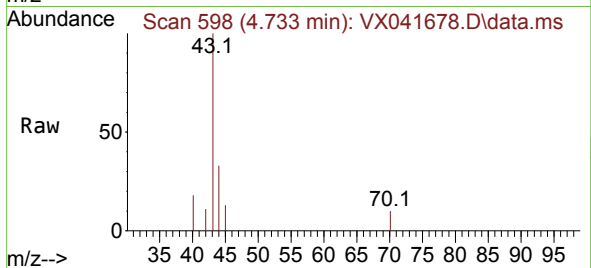
Lab File: VX041678.D

Acq: 29 May 2024 16:53

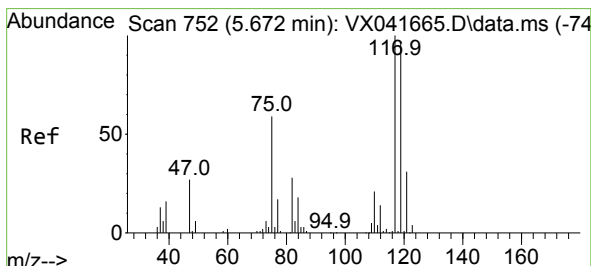
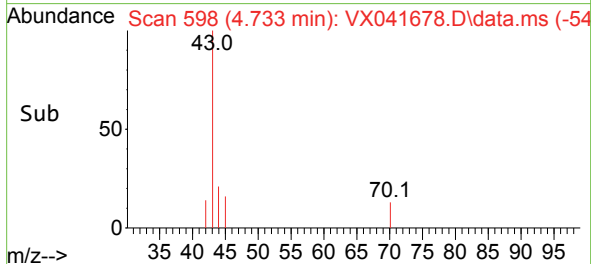
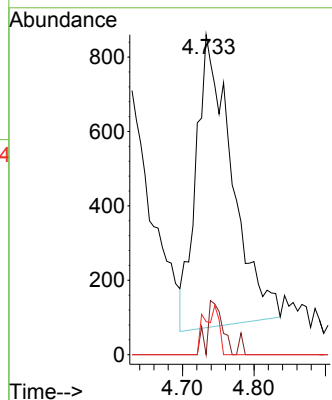
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 2737
Ion Ratio	Lower Upper
43	100
61	7.8 10.6 16.0#
70	6.8 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.179 ug/l

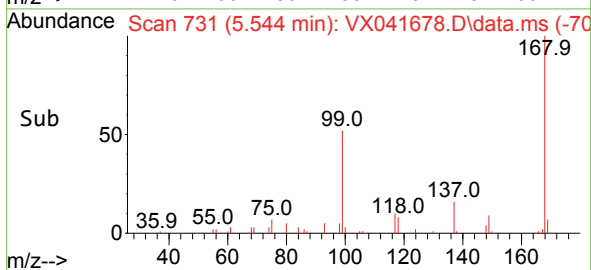
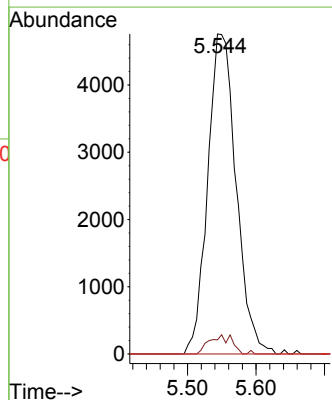
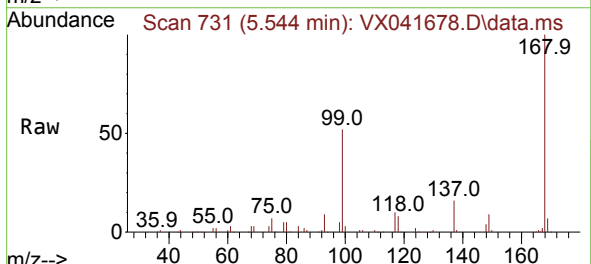
RT: 5.544 min Scan# 731

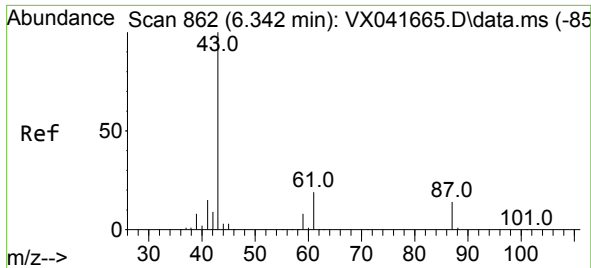
Delta R.T. -0.128 min

Lab File: VX041678.D

Acq: 29 May 2024 16:53

Tgt Ion: 117	Resp: 13712
Ion Ratio	Lower Upper
117	100
119	4.4 78.2 117.2#
121	0.0 24.4 36.6#

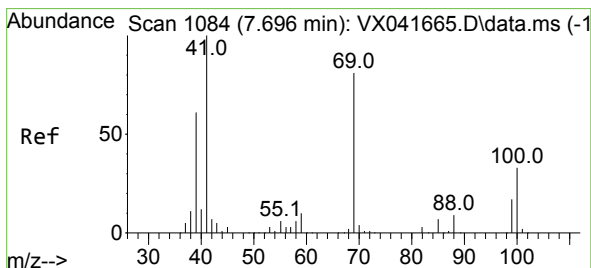
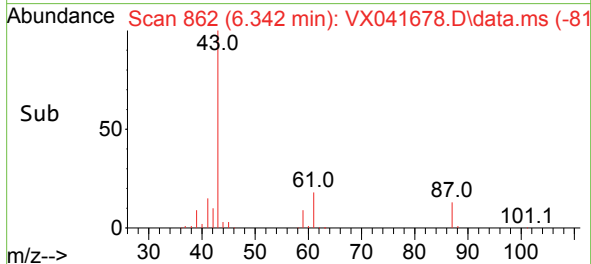
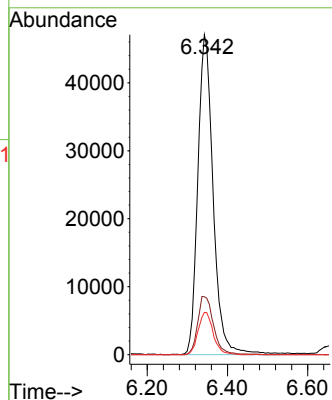
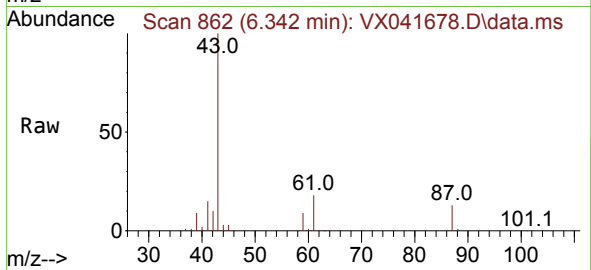




#43
Isopropyl Acetate
Concen: 33.595 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX041678.D
Acq: 29 May 2024 16:53

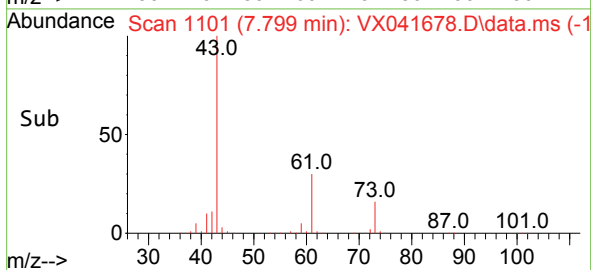
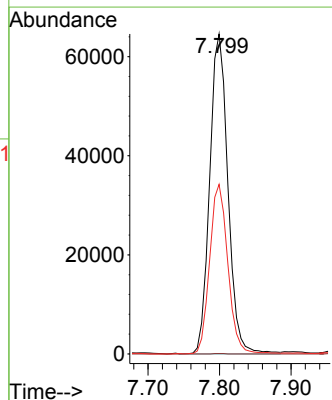
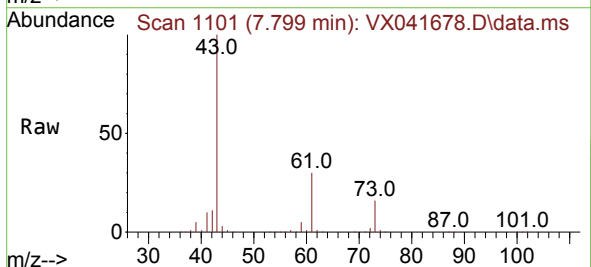
Instrument :
MSVOA_X
ClientSampleId :

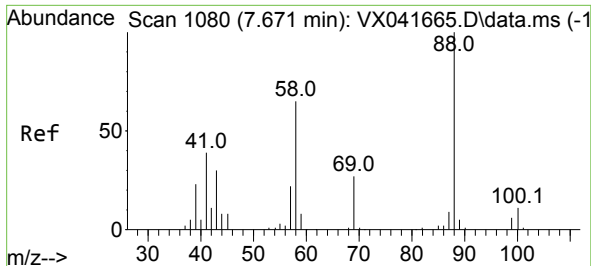
Tgt Ion: 43 Resp: 125032
Ion Ratio Lower Upper
43 100
61 18.8 15.2 22.8
87 13.0 9.8 14.6



#48
Methyl methacrylate
Concen: 63.953 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX041678.D
Acq: 29 May 2024 16:53

Tgt Ion: 41 Resp: 114302
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 53.1 47.7 71.5

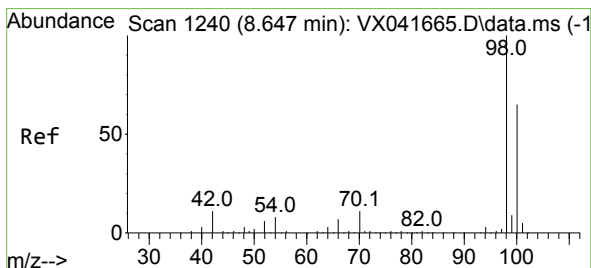
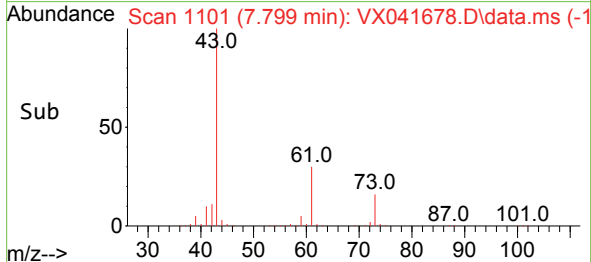
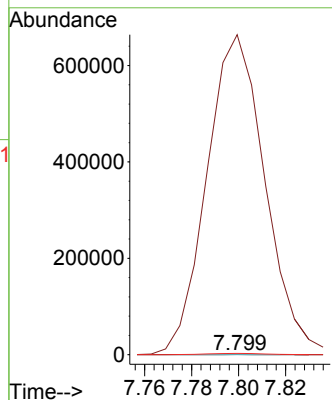
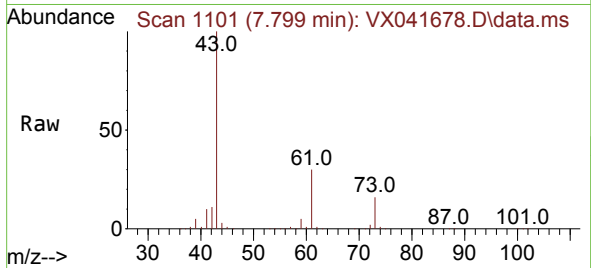




#49
1,4-Dioxane
Concen: 4.148 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.128 min
Lab File: VX041678.D
Acq: 29 May 2024 16:53

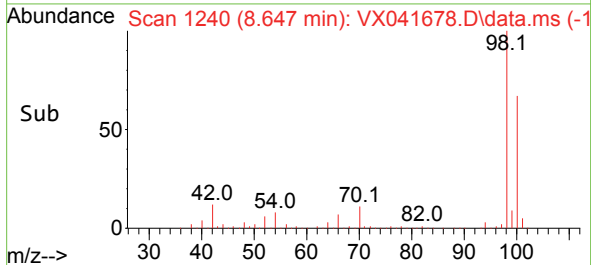
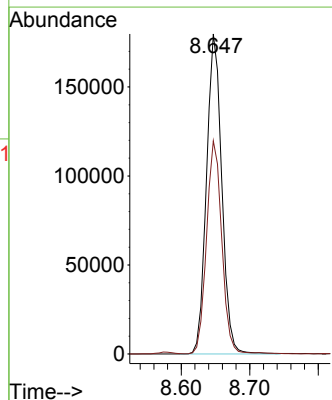
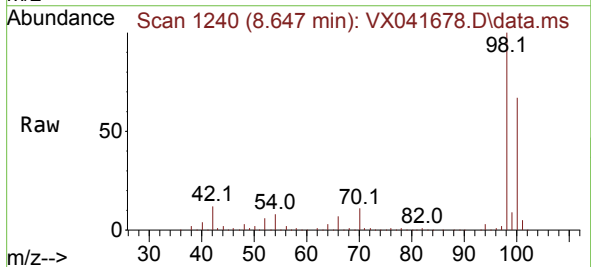
Instrument :
MSVOA_X
ClientSampleId :

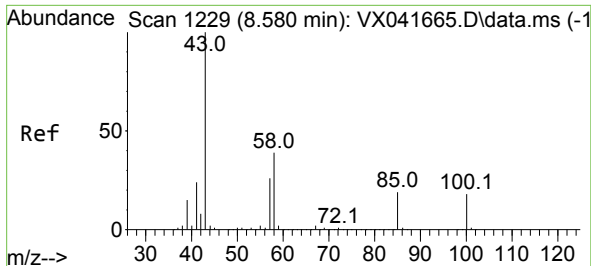
Tgt Ion: 88 Resp: 162
Ion Ratio Lower Upper
88 100
43 717365.4 0.0 0.0#
58 2963.6 60.1 90.1#



#50
Toluene-d8
Concen: 49.447 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041678.D
Acq: 29 May 2024 16:53

Tgt Ion: 98 Resp: 278708
Ion Ratio Lower Upper
98 100
100 66.5 53.1 79.7

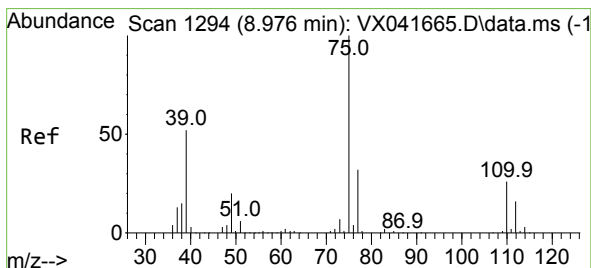
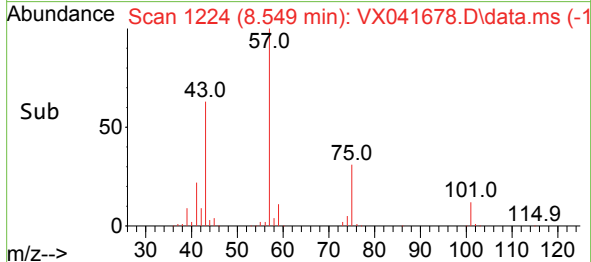
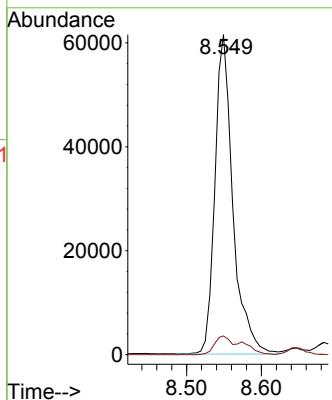
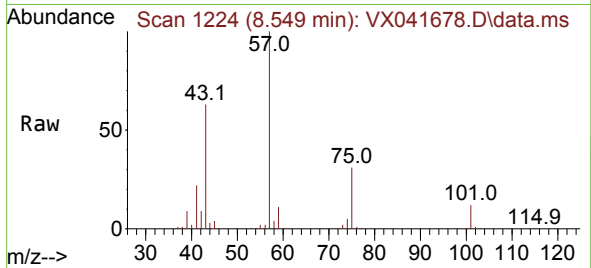




#51
4-Methyl-2-Pentanone
Concen: 42.528 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX041678.D
Acq: 29 May 2024 16:53

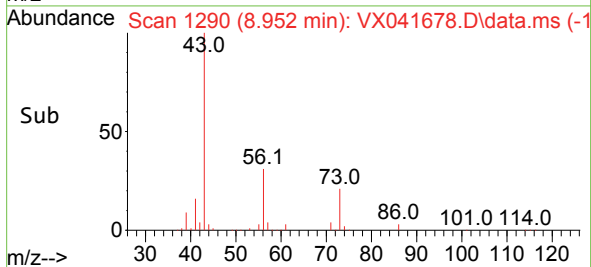
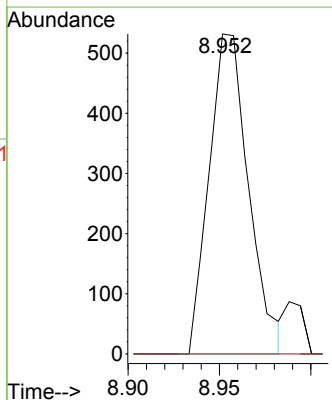
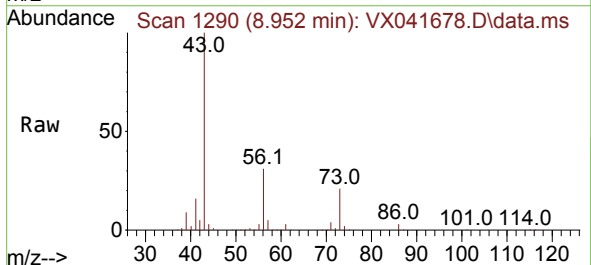
Instrument :
MSVOA_X
ClientSampleId :

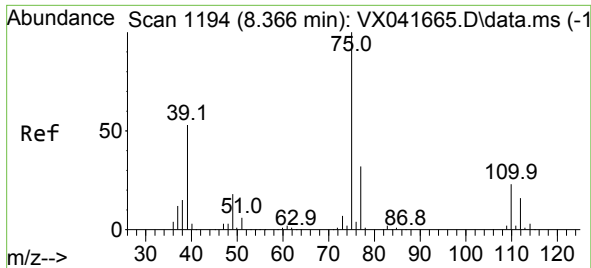
Tgt Ion: 43 Resp: 102636
Ion Ratio Lower Upper
43 100
58 6.0 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.395 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX041678.D
Acq: 29 May 2024 16:53

Tgt Ion: 75 Resp: 801
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

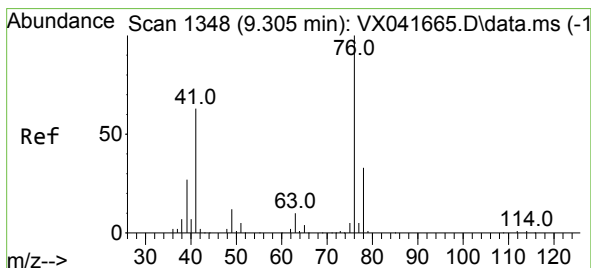
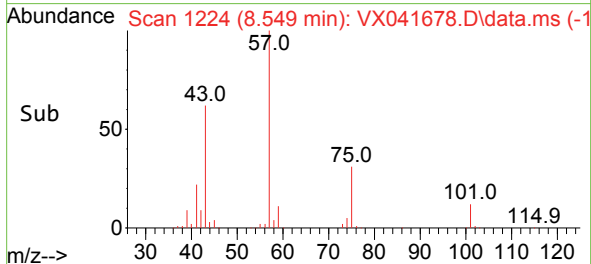
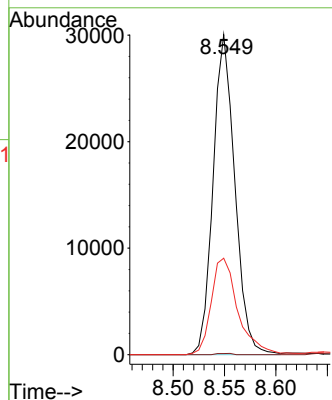
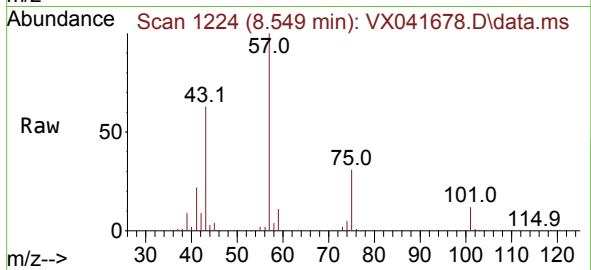




#54
 cis-1,3-Dichloropropene
 Concen: 19.693 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX041678.D
 Acq: 29 May 2024 16:53

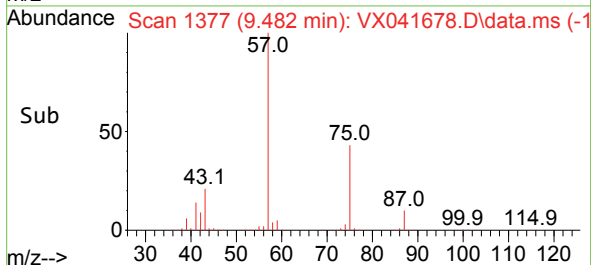
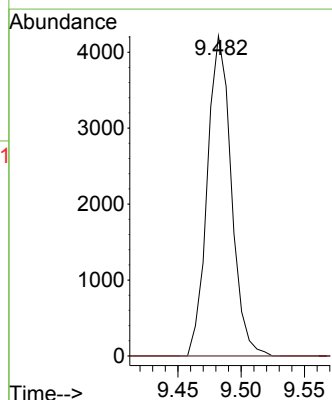
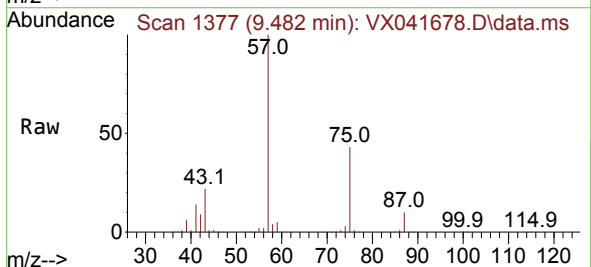
Instrument :
 MSVOA_X
 ClientSampleId :

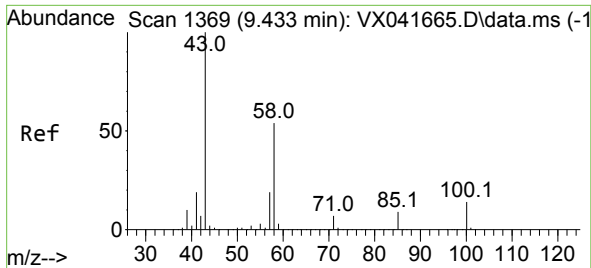
Tgt Ion: 75 Resp: 44207
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 30.2 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 2.147 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX041678.D
 Acq: 29 May 2024 16:53

Tgt Ion: 76 Resp: 5566
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

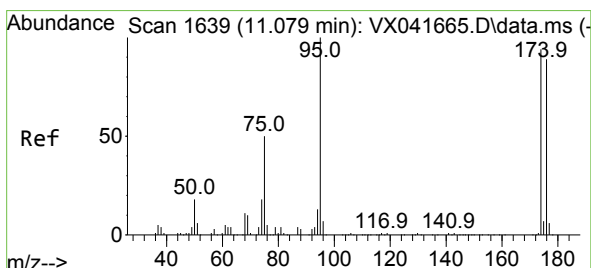
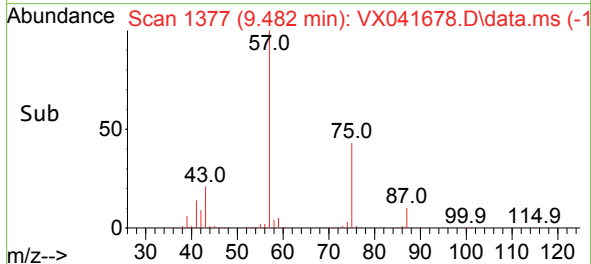
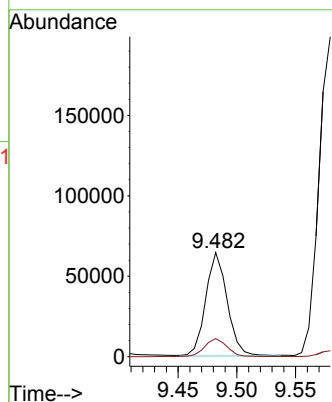
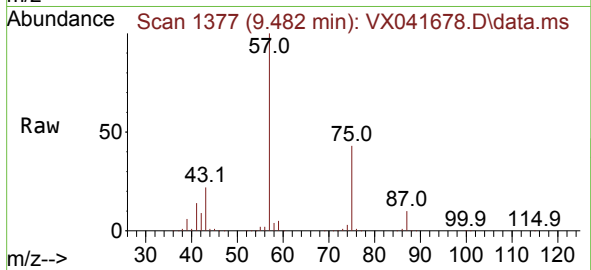




#59
2-Hexanone
Concen: 44.659 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX041678.D
Acq: 29 May 2024 16:53

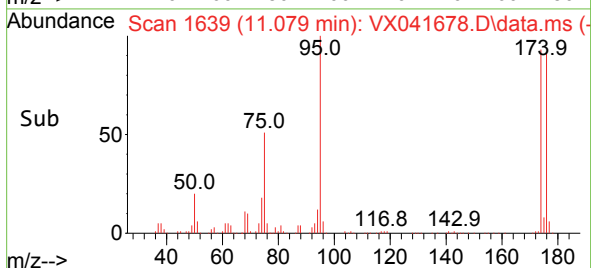
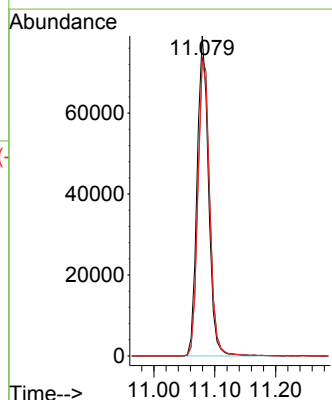
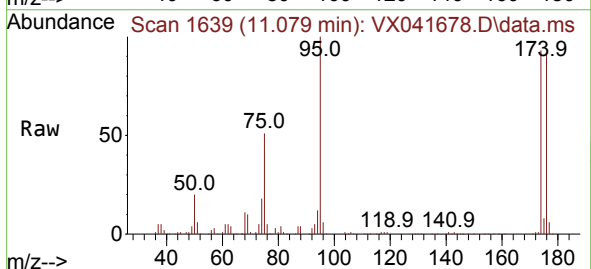
Instrument :
MSVOA_X
ClientSampleId :

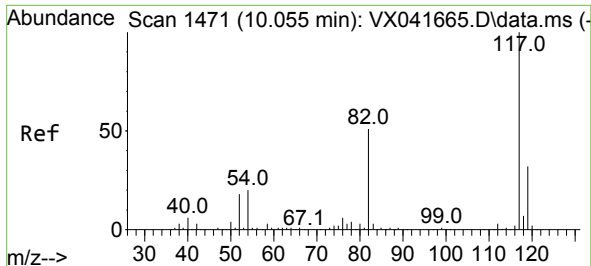
Tgt Ion: 43 Resp: 82171
Ion Ratio Lower Upper
43 100
58 18.6 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 49.342 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041678.D
Acq: 29 May 2024 16:53

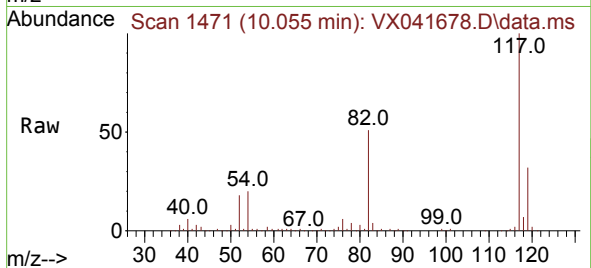
Tgt Ion: 95 Resp: 102646
Ion Ratio Lower Upper
95 100
174 97.5 0.0 135.6
176 94.3 0.0 131.0



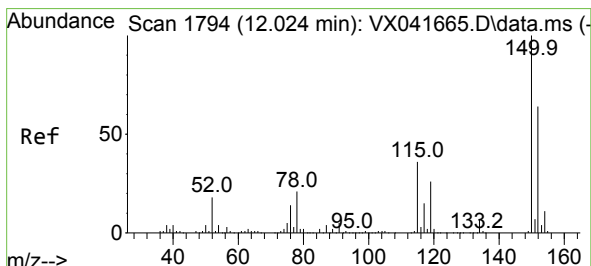
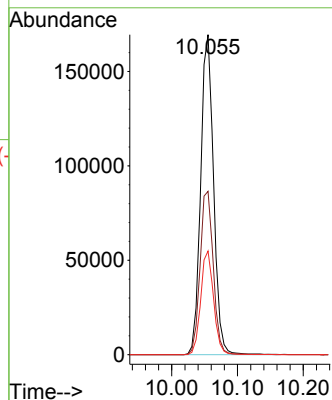
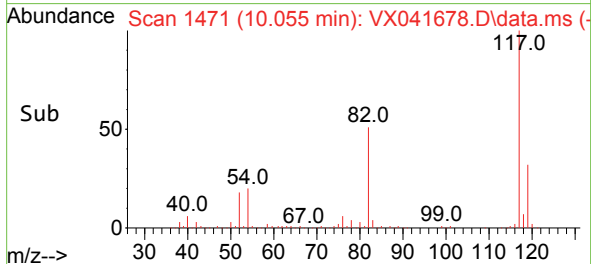


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041678.D
Acq: 29 May 2024 16:53

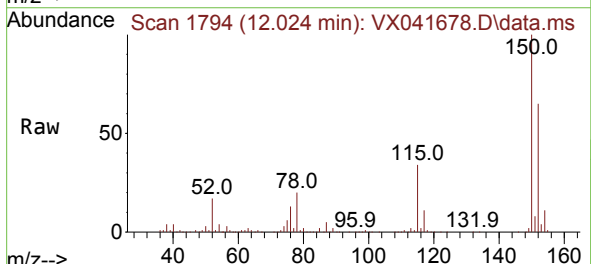
Instrument :
MSVOA_X
ClientSampleId :



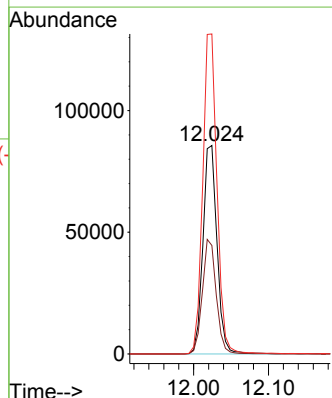
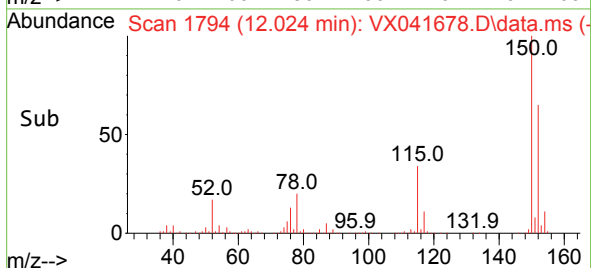
Tgt Ion:117 Resp: 231105
Ion Ratio Lower Upper
117 100
82 51.0 46.2 69.4
119 32.4 25.5 38.3

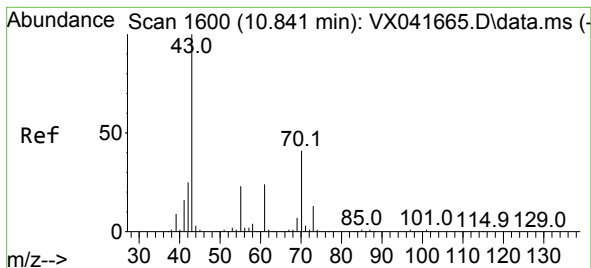


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX041678.D
Acq: 29 May 2024 16:53



Tgt Ion:152 Resp: 112015
Ion Ratio Lower Upper
152 100
115 54.1 43.3 129.9
150 155.3 0.0 345.0





#74

N-amy1 acetate

Concen: 0.361 ug/l

RT: 10.817 min Scan# 1

Delta R.T. -0.024 min

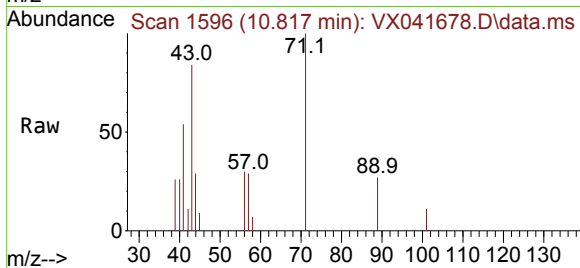
Lab File: VX041678.D

Acq: 29 May 2024 16:53

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 1111

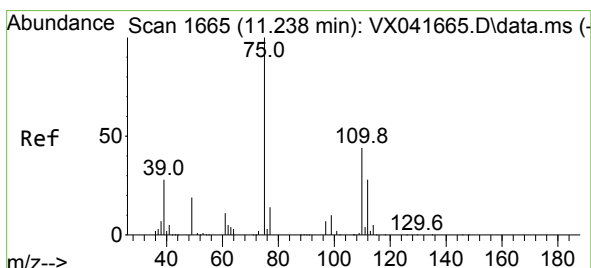
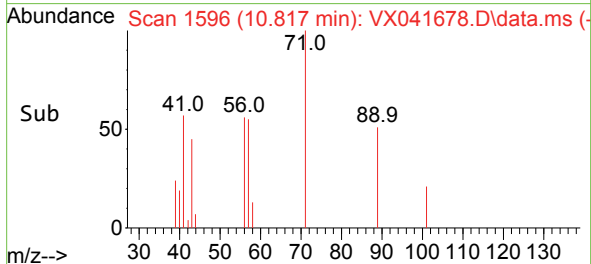
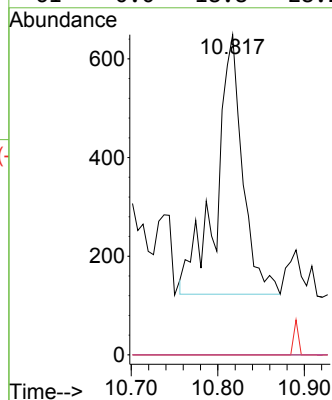
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 0.0 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 26.749 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041678.D

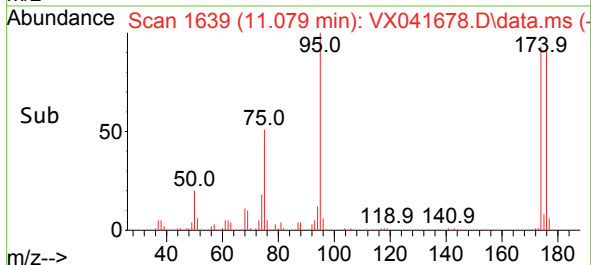
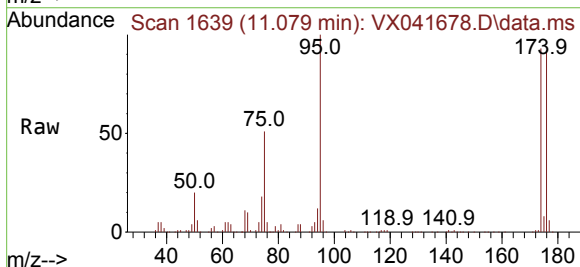
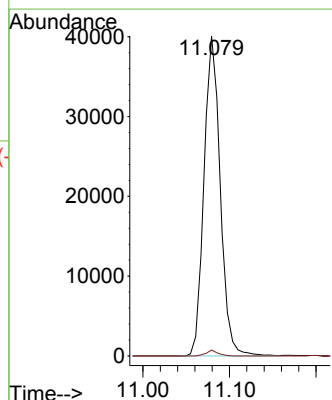
Acq: 29 May 2024 16:53

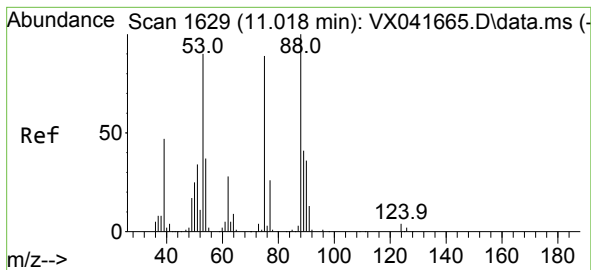
Tgt Ion: 75 Resp: 52279

Ion Ratio Lower Upper

75 100

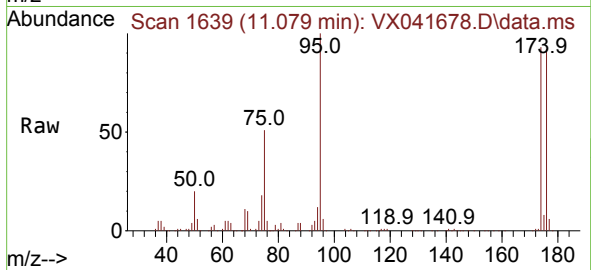
77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.904 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX041678.D
 Acq: 29 May 2024 16:53

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 52279
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.1 36.9 55.3#

