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 Data File : VX041518.D
 Acq On : 14 May 2024 14:25
 Operator : JC/MD
 Sample : P2470-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

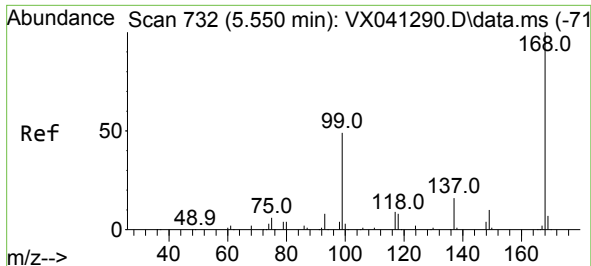
Instrument :
 MSVOA_X
 ClientSampleId :
 WCS-TPG

Quant Time: May 15 01:00:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 06:03:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	162742	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	244777	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	240451	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112394	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	92726	52.338	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.680%			
35) Dibromofluoromethane	5.385	113	76300	45.998	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.000%			
50) Toluene-d8	8.646	98	290011	55.238	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 110.480%			
62) 4-Bromofluorobenzene	11.079	95	105927	52.120	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.240%			
Target Compounds						
						Qvalue
5) Bromomethane	1.605	94	309	0.374	ug/l	# 75
6) Chloroethane	1.684	64	123	0.201	ug/l	# 43
8) Diethyl Ether	2.129	74	193	0.241	ug/l	85
11) Tert butyl alcohol	2.946	59	4078	11.500	ug/l	# 78
13) Acrolein	2.239	56	91	0.323	ug/l	# 81
16) Acetone	2.385	43	40714	49.041	ug/l	97
18) Methyl Acetate	2.708	43	5545	3.059	ug/l	98
20) Methylene Chloride	2.788	84	11292	7.342	ug/l	93
25) 2-Butanone	4.592	43	3870	3.375	ug/l	# 78
29) Tetrahydrofuran	5.031	42	235	0.313	ug/l	# 62
31) Cyclohexane	5.556	56	2721	1.273	ug/l	# 21
36) 1,1-Dichloropropene	5.549	75	10371	5.229	ug/l	# 51
37) Ethyl Acetate	4.745	43	2653	1.072	ug/l	# 94
38) Carbon Tetrachloride	5.549	117	14359	6.319	ug/l	# 15
43) Isopropyl Acetate	6.342	43	121261	32.587	ug/l	99
48) Methyl methacrylate	7.799	41	113075	66.289	ug/l	# 48
49) 1,4-Dioxane	7.805	88	156	4.230	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	91064	40.783	ug/l	# 51
53) t-1,3-Dichloropropene	8.951	75	707	2.740	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	41386	19.424	ug/l	# 59
57) 1,3-Dichloropropane	9.482	76	5517	2.295	ug/l	# 42
59) 2-Hexanone	9.482	43	77668	43.500	ug/l	# 52
74) N-amyl acetate	10.640	43	21362	7.127	ug/l	# 53
76) 1,2,3-Trichloropropane	11.079	75	54152	29.564	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	54152	80.530	ug/l	# 5

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



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.549 min Scan# 71

Delta R.T. -0.001 min

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Instrument :

MSVOA_X

ClientSampleId :

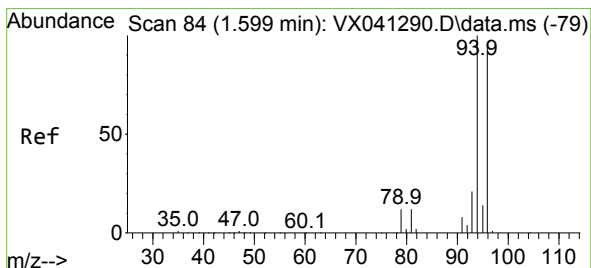
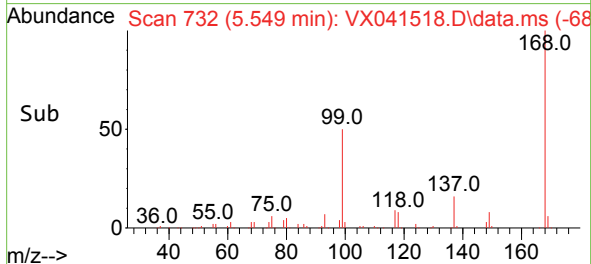
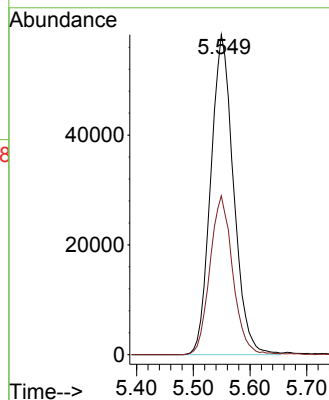
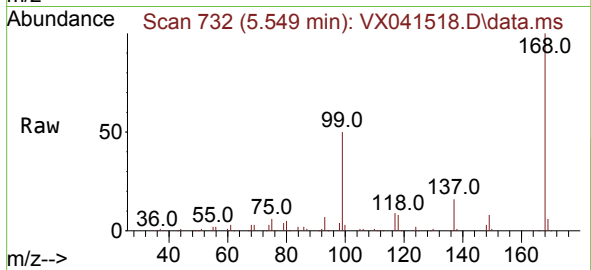
WCS-TPG

Tgt Ion:168 Resp: 162742

Ion Ratio Lower Upper

168 100

99 49.7 56.6 85.0#



#5

Bromomethane

Concen: 0.374 ug/l

RT: 1.605 min Scan# 85

Delta R.T. 0.006 min

Lab File: VX041518.D

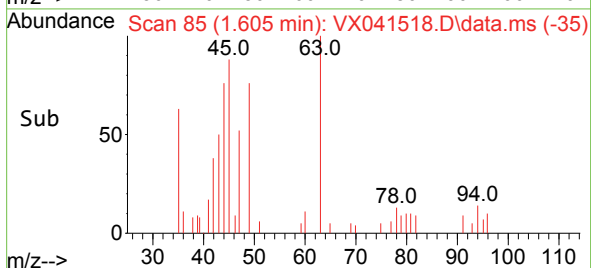
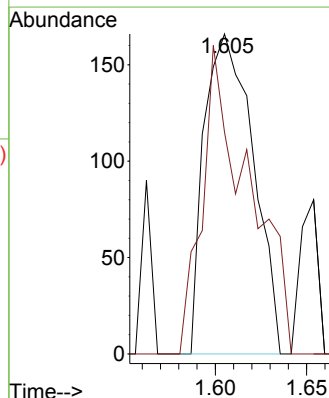
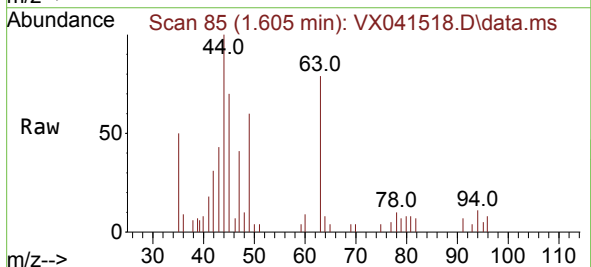
Acq: 14 May 2024 14:25

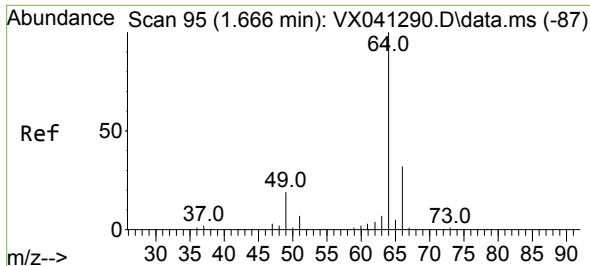
Tgt Ion: 94 Resp: 309

Ion Ratio Lower Upper

94 100

96 69.3 74.6 111.8#

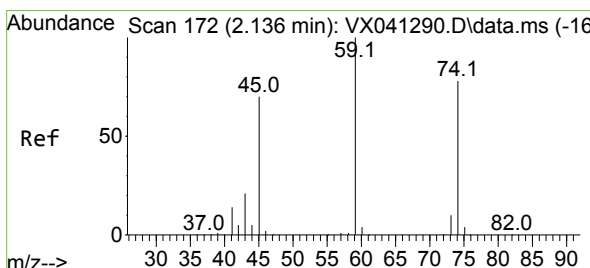
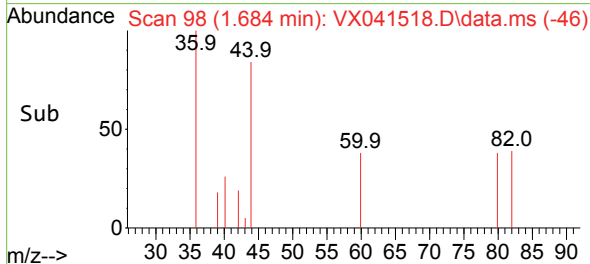
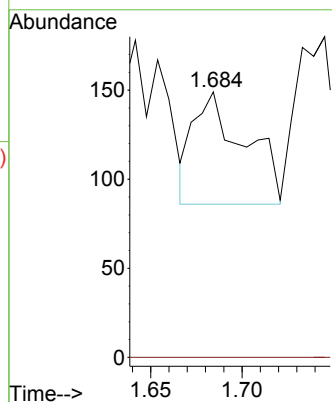
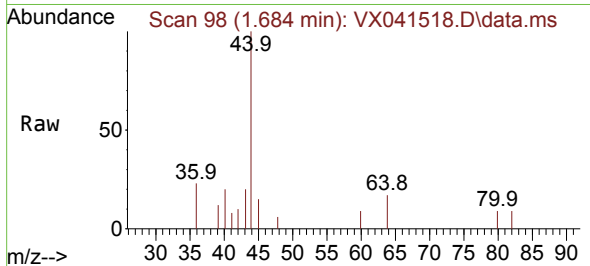




#6
Chloroethane
Concen: 0.201 ug/l
RT: 1.684 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX041518.D
Acq: 14 May 2024 14:25

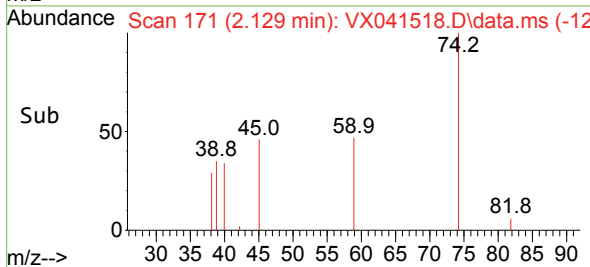
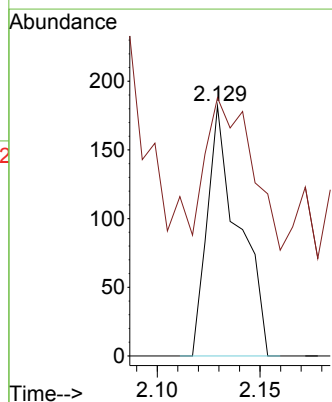
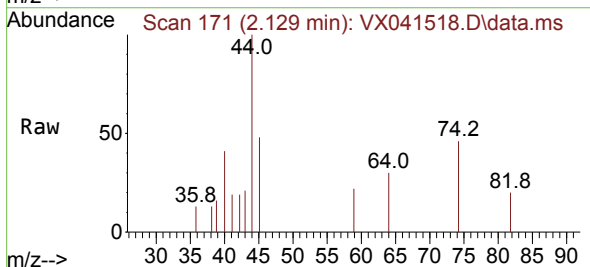
Instrument :
MSVOA_X
ClientSampleId :
WCS-TPG

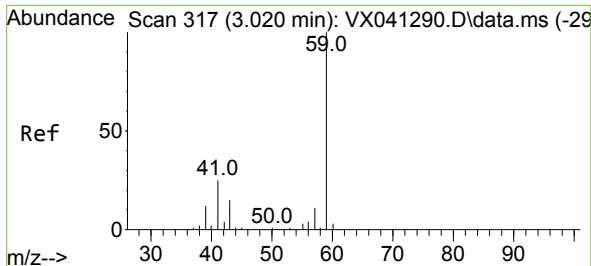
Tgt Ion: 64 Resp: 123
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#8
Diethyl Ether
Concen: 0.241 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX041518.D
Acq: 14 May 2024 14:25

Tgt Ion: 74 Resp: 193
Ion Ratio Lower Upper
74 100
45 90.7 53.3 159.8

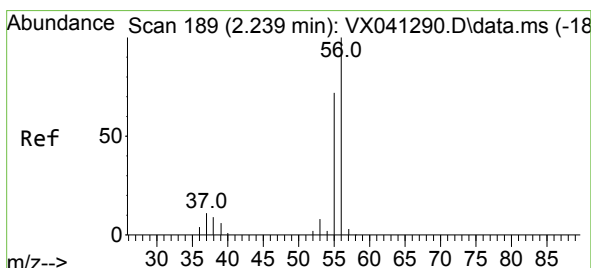
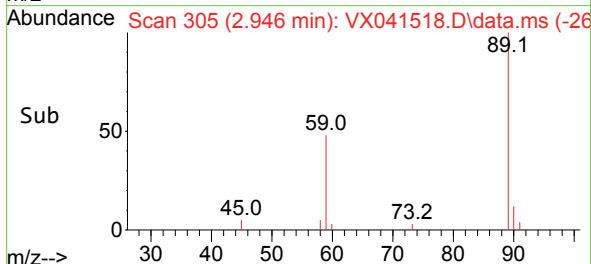
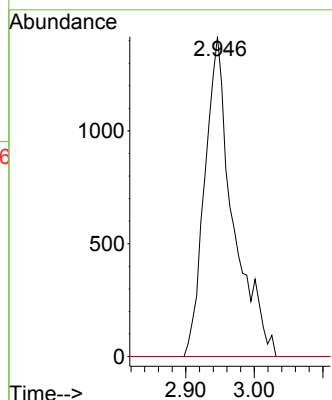
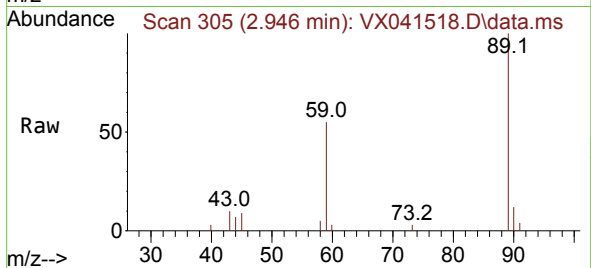




#11
Tert butyl alcohol
Concen: 11.500 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.073 min
Lab File: VX041518.D
Acq: 14 May 2024 14:25

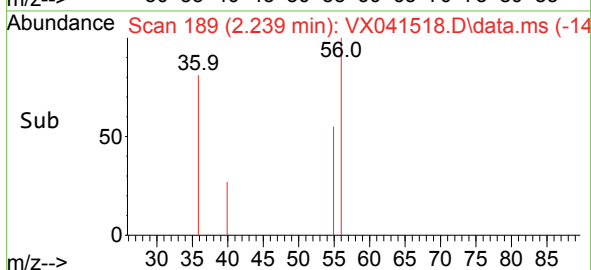
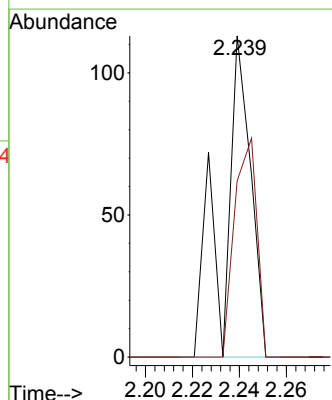
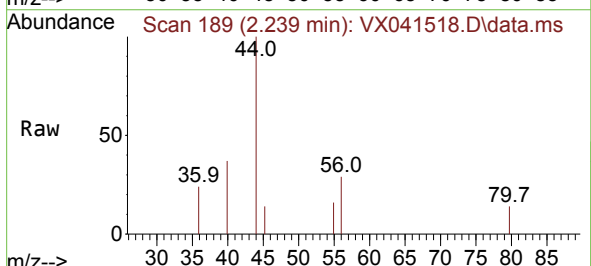
Instrument :
MSVOA_X
ClientSampleId :
WCS-TPG

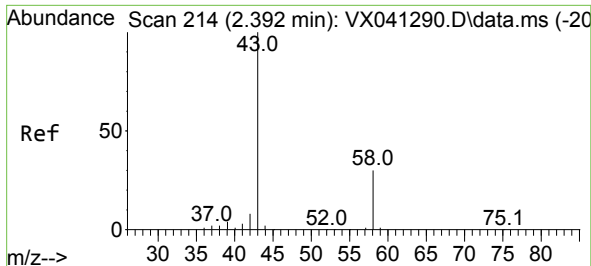
Tgt Ion: 59 Resp: 4078
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#13
Acrolein
Concen: 0.323 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX041518.D
Acq: 14 May 2024 14:25

Tgt Ion: 56 Resp: 91
Ion Ratio Lower Upper
56 100
55 56.0 57.1 85.7#

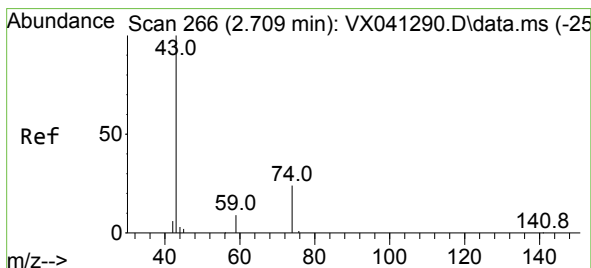
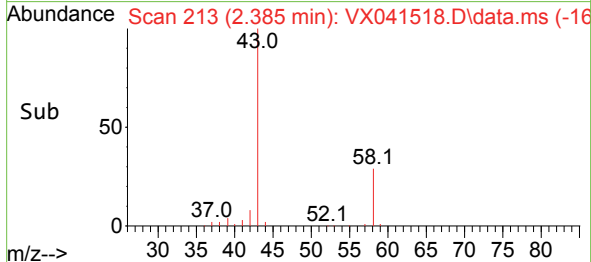
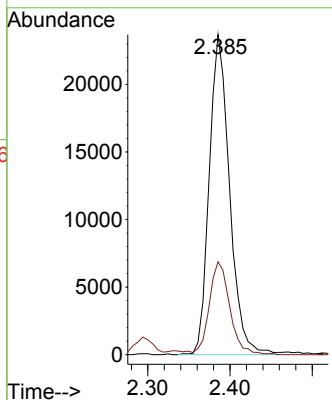
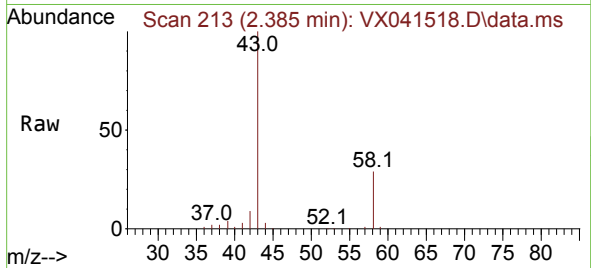




#16
Acetone
Concen: 49.041 ug/l
RT: 2.385 min Scan# 214
Delta R.T. -0.007 min
Lab File: VX041518.D
Acq: 14 May 2024 14:25

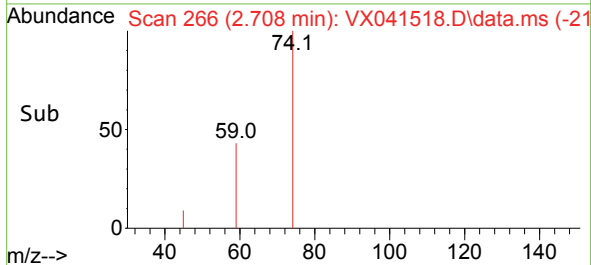
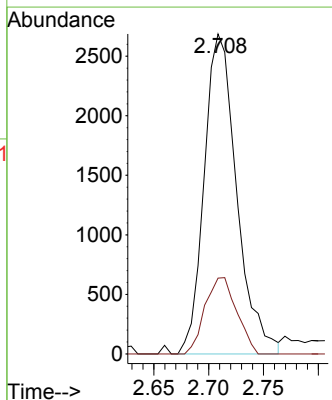
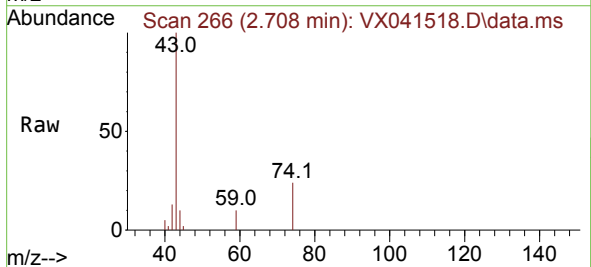
Instrument :
MSVOA_X
ClientSampleId :
WCS-TPG

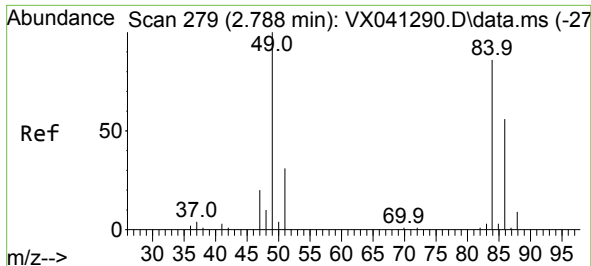
Tgt Ion: 43 Resp: 40714
Ion Ratio Lower Upper
43 100
58 29.0 21.9 32.9



#18
Methyl Acetate
Concen: 3.059 ug/l
RT: 2.708 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX041518.D
Acq: 14 May 2024 14:25

Tgt Ion: 43 Resp: 5545
Ion Ratio Lower Upper
43 100
74 23.2 17.8 26.8





#20

Methylene Chloride

Concen: 7.342 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX041518.D

Acq: 14 May 2024 14:25

Instrument :

MSVOA_X

ClientSampleId :

WCS-TPG

Tgt Ion: 84 Resp: 11292

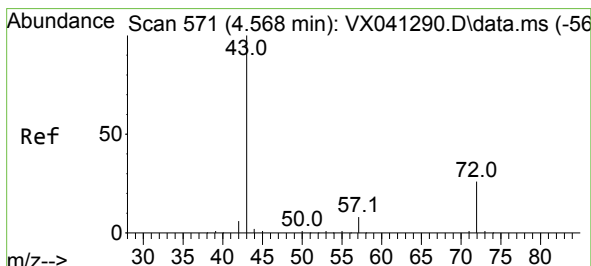
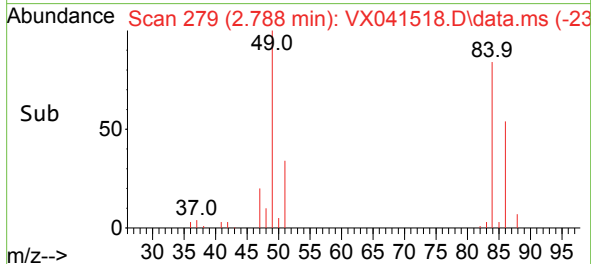
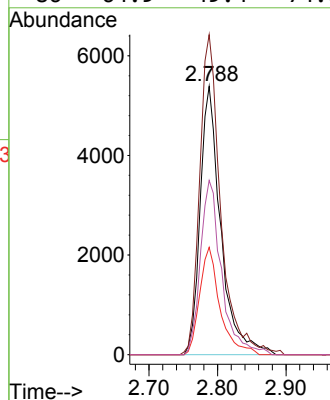
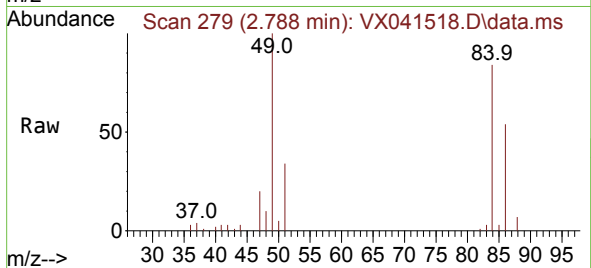
Ion Ratio Lower Upper

84 100

49 119.3 103.6 155.4

51 40.0 33.8 50.6

86 64.9 49.4 74.0



#25

2-Butanone

Concen: 3.375 ug/l

RT: 4.592 min Scan# 575

Delta R.T. 0.024 min

Lab File: VX041518.D

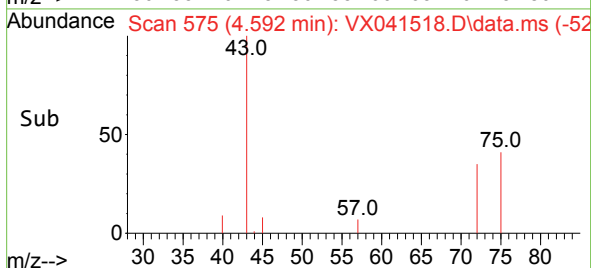
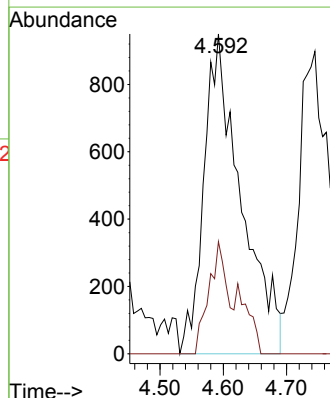
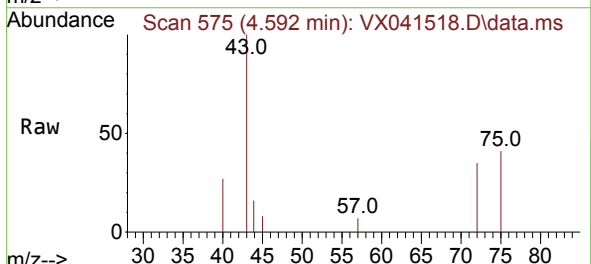
Acq: 14 May 2024 14:25

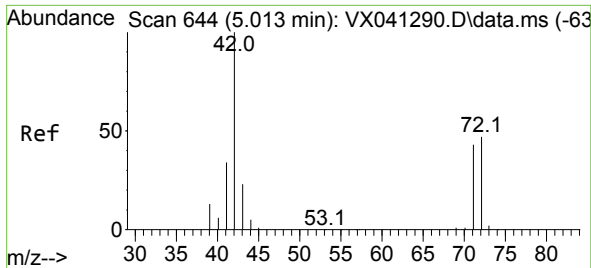
Tgt Ion: 43 Resp: 3870

Ion Ratio Lower Upper

43 100

72 35.1 19.4 29.2#





#29

Tetrahydrofuran

Concen: 0.313 ug/l

RT: 5.031 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX041518.D

Acq: 14 May 2024 14:25

Instrument :

MSVOA_X

ClientSampleId :

WCS-TPG

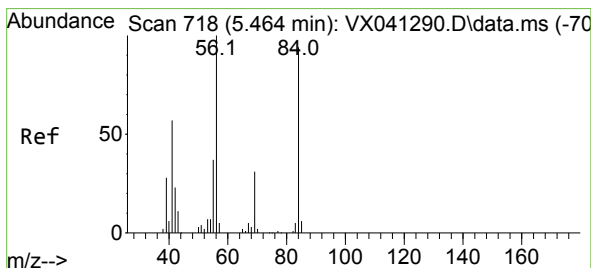
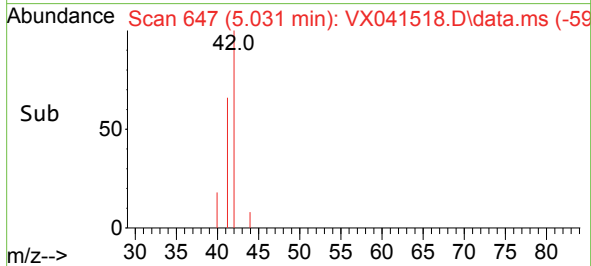
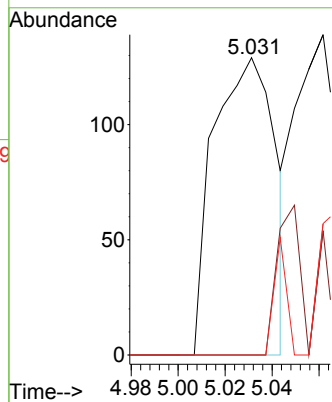
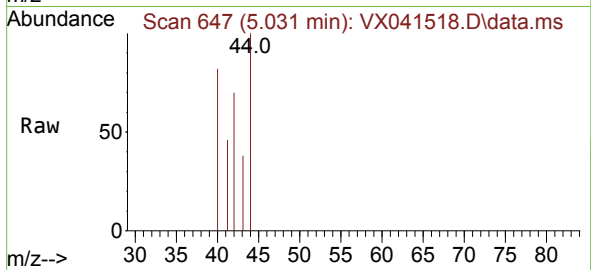
Tgt Ion: 42 Resp: 235

Ion Ratio Lower Upper

42 100

72 27.2 34.2 51.4#

71 8.1 32.2 48.2#



#31

Cyclohexane

Concen: 1.273 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.091 min

Lab File: VX041518.D

Acq: 14 May 2024 14:25

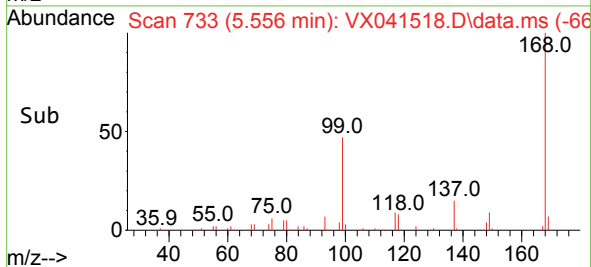
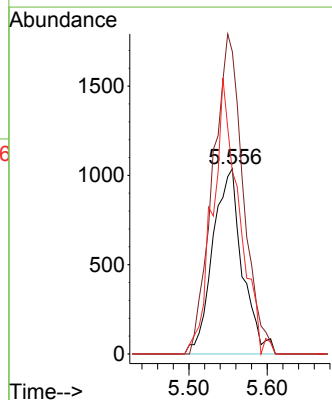
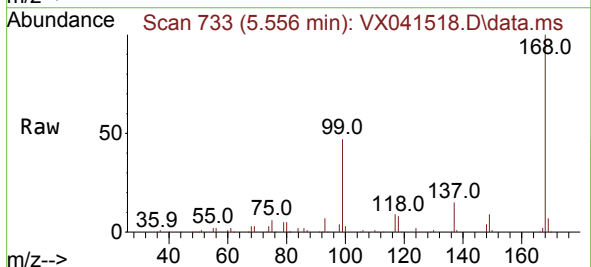
Tgt Ion: 56 Resp: 2721

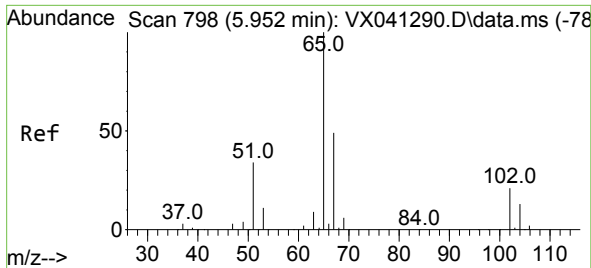
Ion Ratio Lower Upper

56 100

69 163.3 23.4 35.2#

84 98.5 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 52.338 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX041518.D

Acq: 14 May 2024 14:25

Instrument :

MSVOA_X

ClientSampleId :

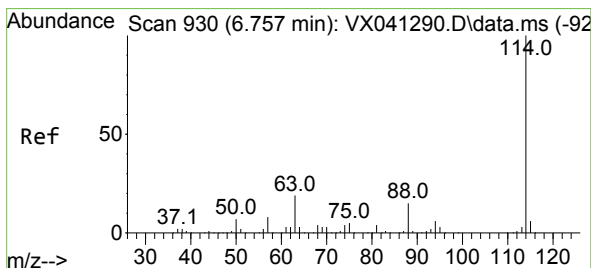
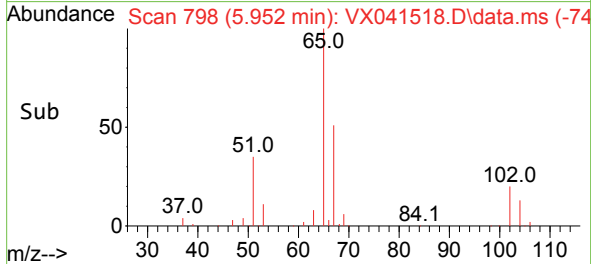
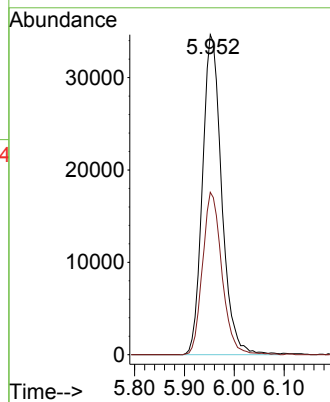
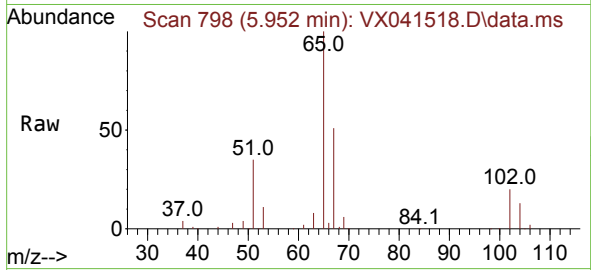
WCS-TPG

Tgt Ion: 65 Resp: 92726

Ion Ratio Lower Upper

65 100

67 51.1 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: VX041518.D

Acq: 14 May 2024 14:25

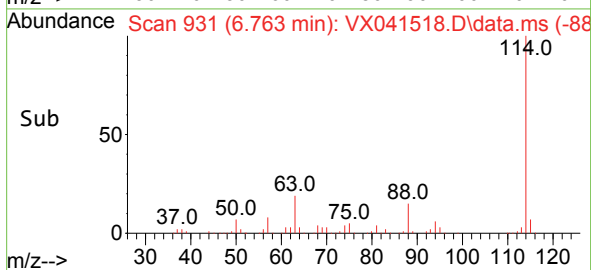
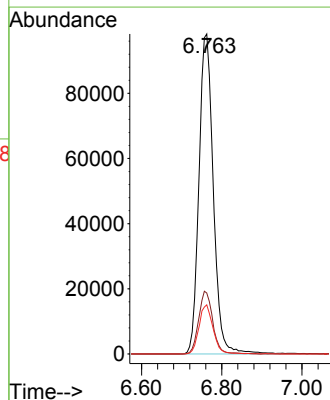
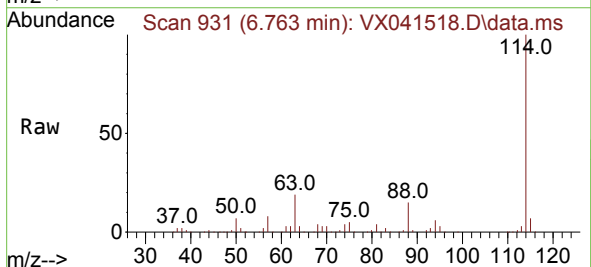
Tgt Ion: 114 Resp: 244777

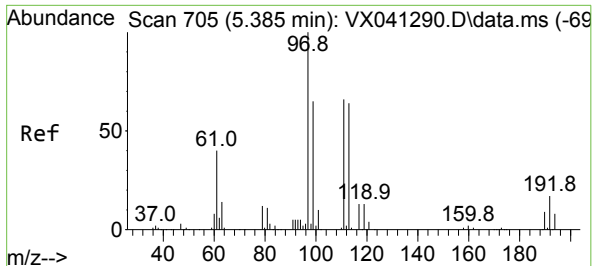
Ion Ratio Lower Upper

114 100

63 19.1 0.0 45.0

88 15.3 0.0 36.6

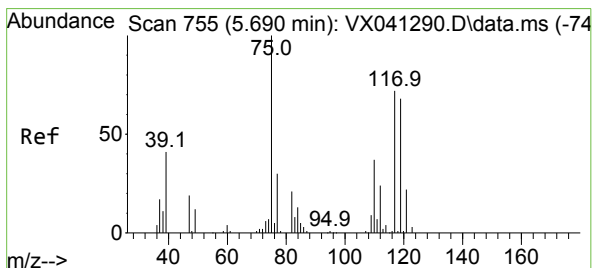
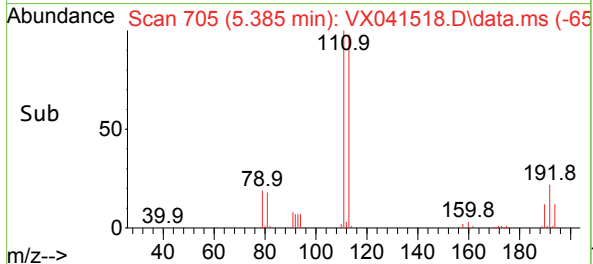
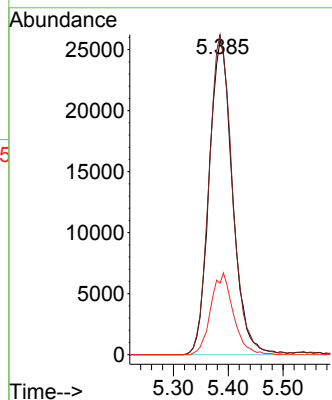
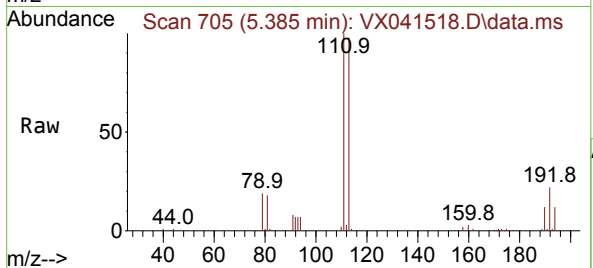




#35
Dibromofluoromethane
Concen: 45.998 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX041518.D
Acq: 14 May 2024 14:25

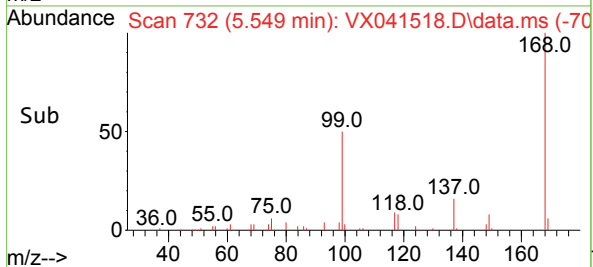
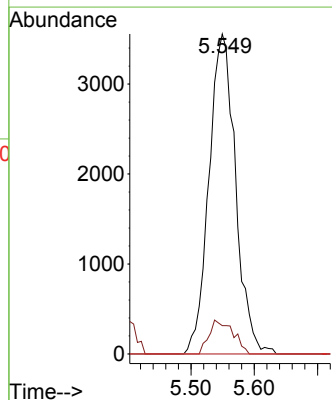
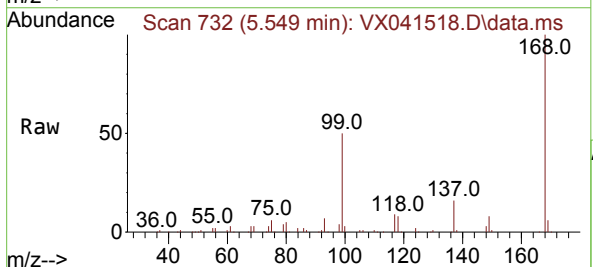
Instrument :
MSVOA_X
ClientSampleId :
WCS-TPG

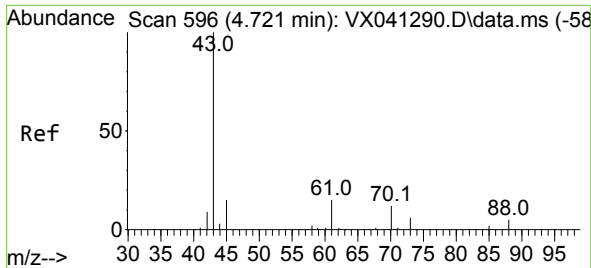
Tgt Ion:113 Resp: 76300
Ion Ratio Lower Upper
113 100
111 101.5 82.9 124.3
192 25.0 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 5.229 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.141 min
Lab File: VX041518.D
Acq: 14 May 2024 14:25

Tgt Ion: 75 Resp: 10371
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.072 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.024 min

Lab File: VX041518.D

Acq: 14 May 2024 14:25

Instrument :

MSVOA_X

ClientSampleId :

WCS-TPG

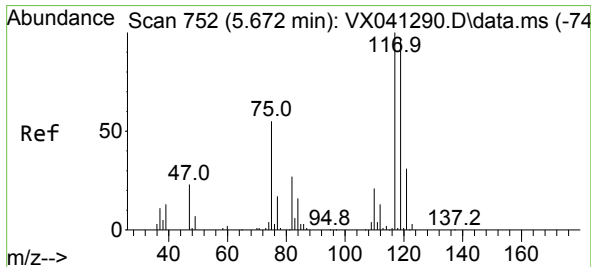
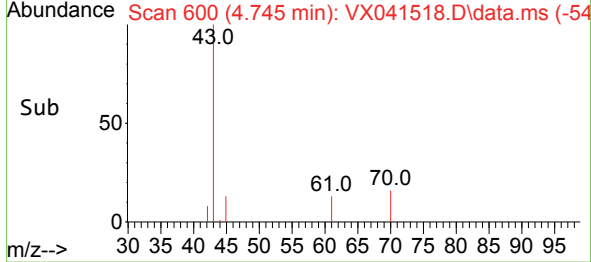
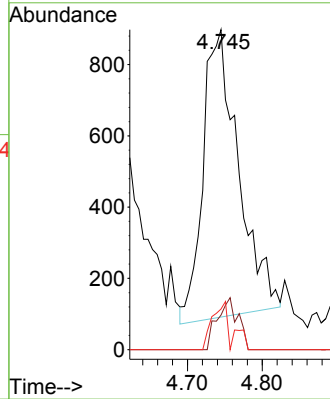
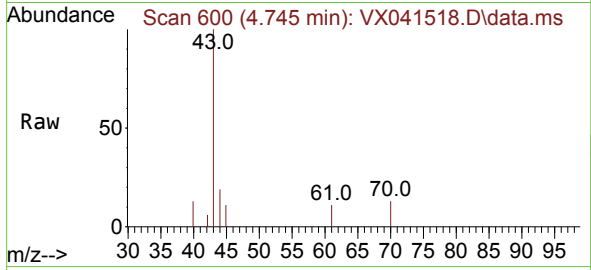
Tgt Ion: 43 Resp: 2653

Ion Ratio Lower Upper

43 100

61 10.6 10.6 16.0#

70 8.3 8.3 12.5



#38

Carbon Tetrachloride

Concen: 6.319 ug/l

RT: 5.549 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX041518.D

Acq: 14 May 2024 14:25

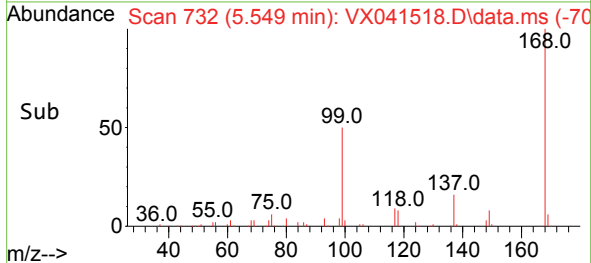
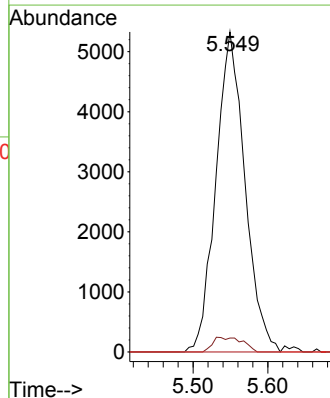
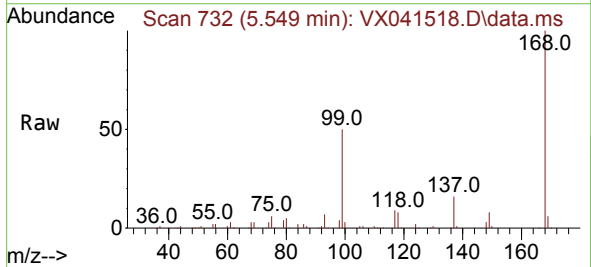
Tgt Ion: 117 Resp: 14359

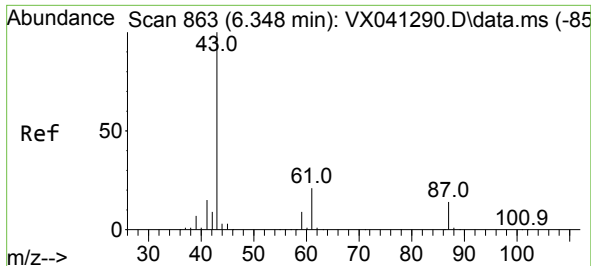
Ion Ratio Lower Upper

117 100

119 4.4 78.2 117.2#

121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: 32.587 ug/l

RT: 6.342 min Scan# 8

Delta R.T. -0.006 min

Lab File: VX041518.D

Acq: 14 May 2024 14:25

Instrument :

MSVOA_X

ClientSampleId :

WCS-TPG

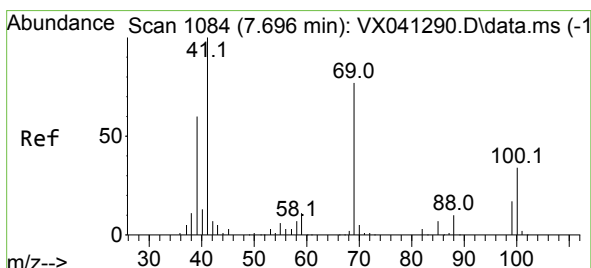
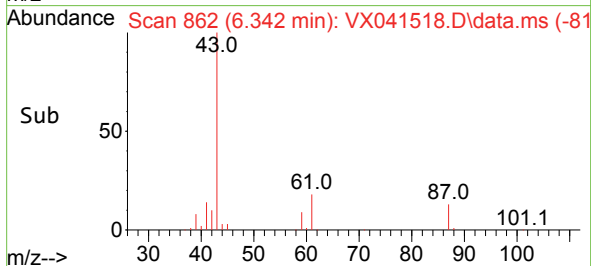
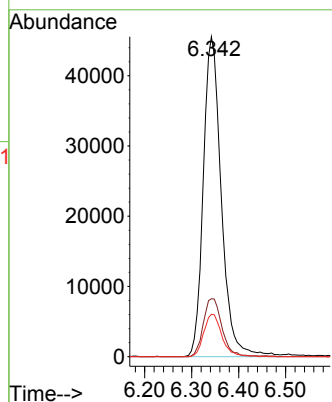
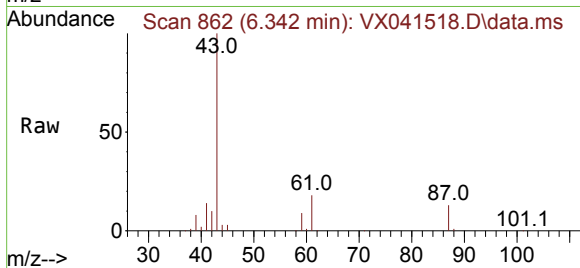
Tgt Ion: 43 Resp: 121261

Ion Ratio Lower Upper

43 100

61 18.8 15.2 22.8

87 13.3 9.8 14.6



#48

Methyl methacrylate

Concen: 66.289 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.103 min

Lab File: VX041518.D

Acq: 14 May 2024 14:25

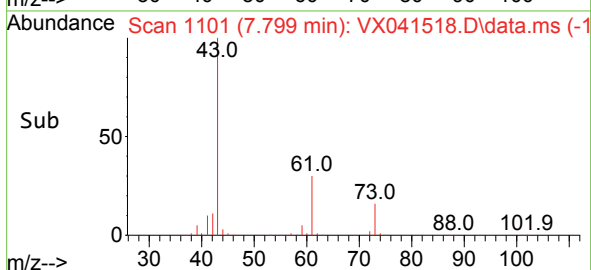
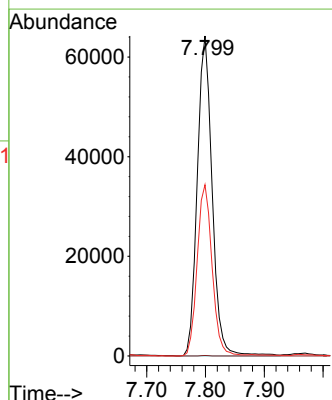
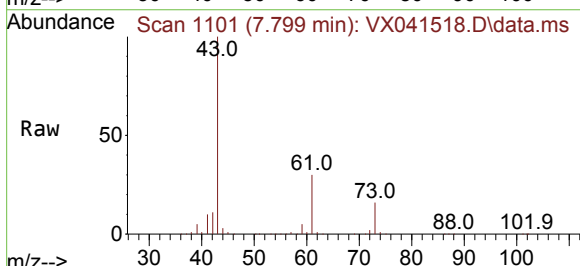
Tgt Ion: 41 Resp: 113075

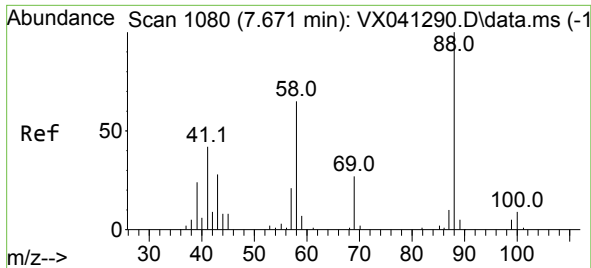
Ion Ratio Lower Upper

41 100

69 0.1 59.2 88.8#

39 53.5 47.7 71.5

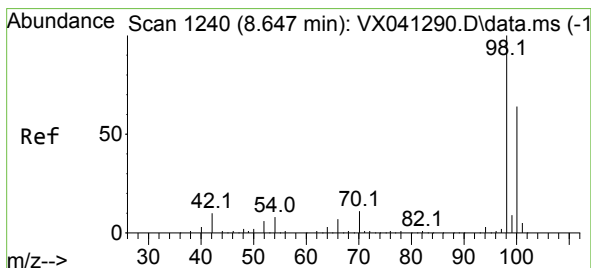
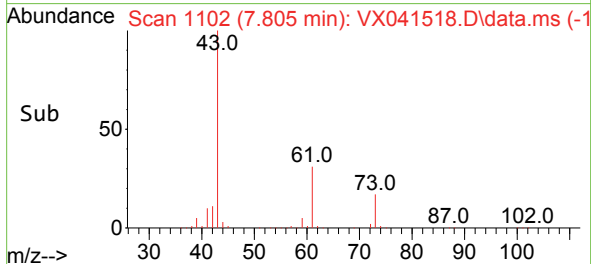
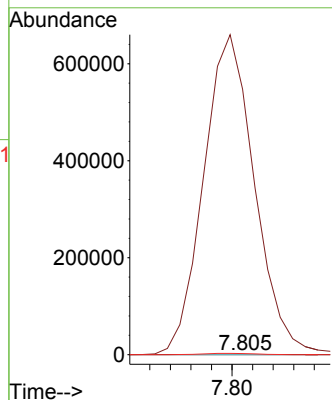
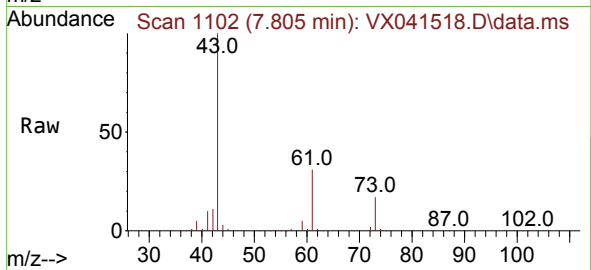




#49
1,4-Dioxane
Concen: 4.230 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.134 min
Lab File: VX041518.D
Acq: 14 May 2024 14:25

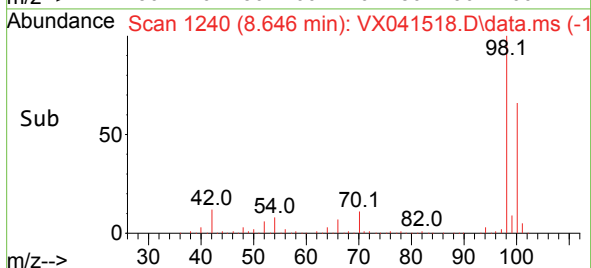
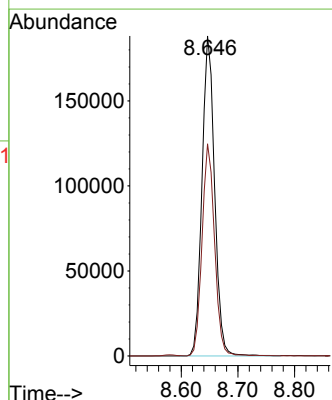
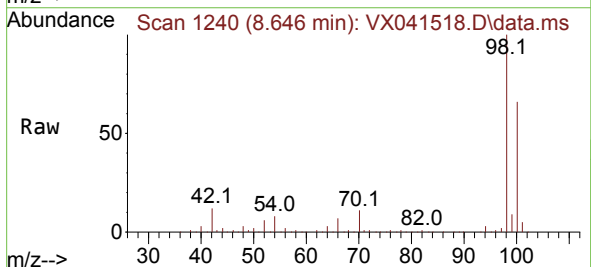
Instrument :
MSVOA_X
ClientSampleId :
WCS-TPG

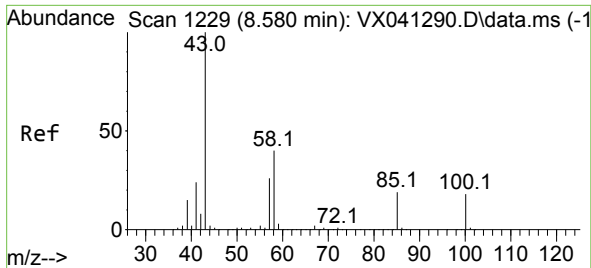
Tgt Ion: 88 Resp: 156
Ion Ratio Lower Upper
88 100
43 739359.6 0.0 0.0#
58 3217.9 60.1 90.1#



#50
Toluene-d8
Concen: 55.238 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX041518.D
Acq: 14 May 2024 14:25

Tgt Ion: 98 Resp: 290011
Ion Ratio Lower Upper
98 100
100 66.0 53.1 79.7

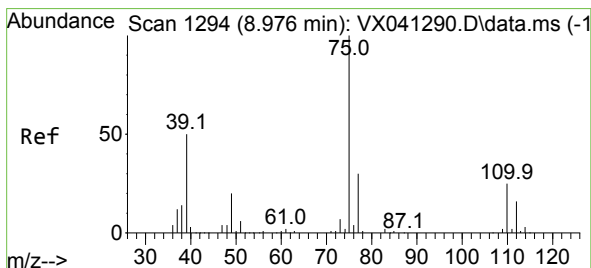
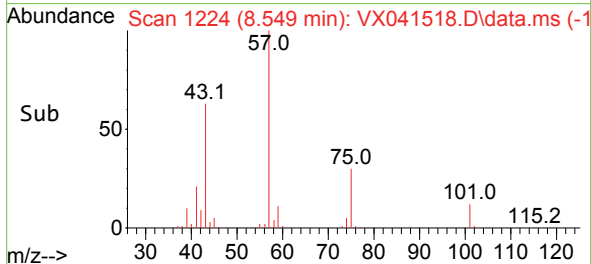
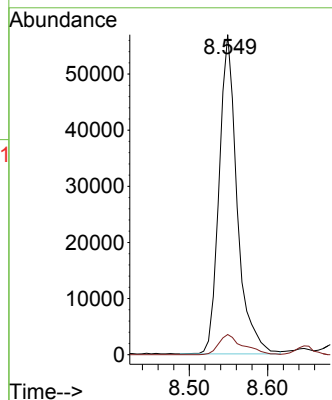
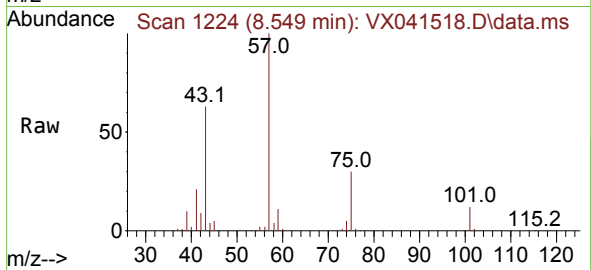




#51
4-Methyl-2-Pentanone
Concen: 40.783 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX041518.D
Acq: 14 May 2024 14:25

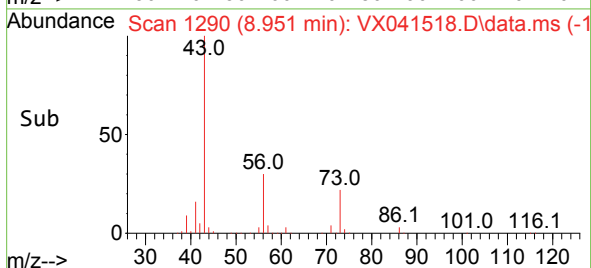
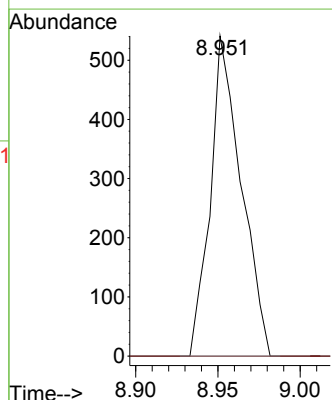
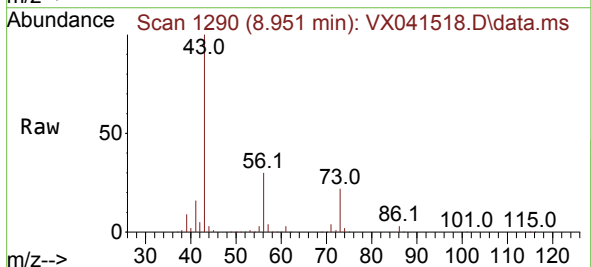
Instrument :
MSVOA_X
ClientSampleId :
WCS-TPG

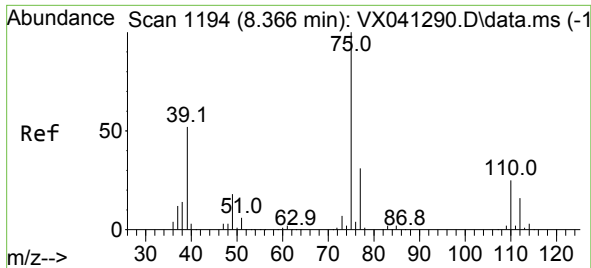
Tgt Ion: 43 Resp: 91064
Ion Ratio Lower Upper
43 100
58 8.5 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 2.740 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX041518.D
Acq: 14 May 2024 14:25

Tgt Ion: 75 Resp: 707
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

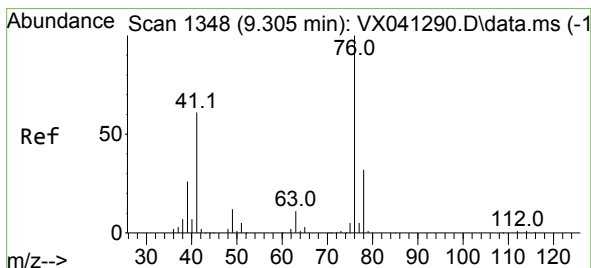
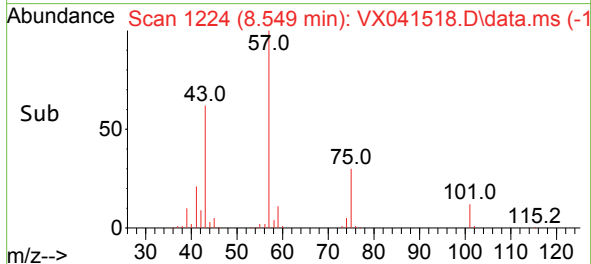
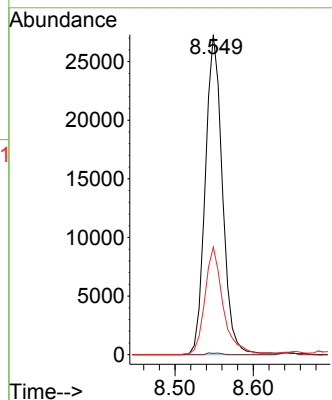
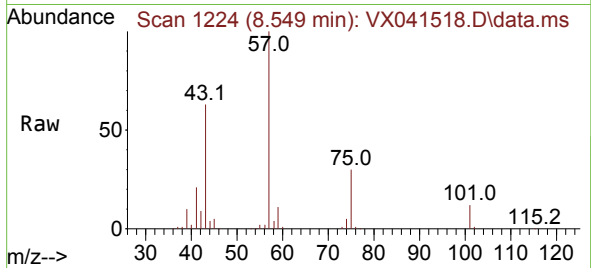




#54
 cis-1,3-Dichloropropene
 Concen: 19.424 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX041518.D
 Acq: 14 May 2024 14:25

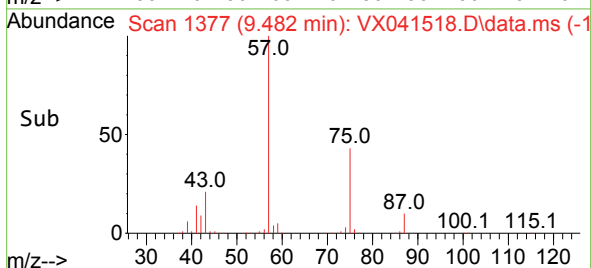
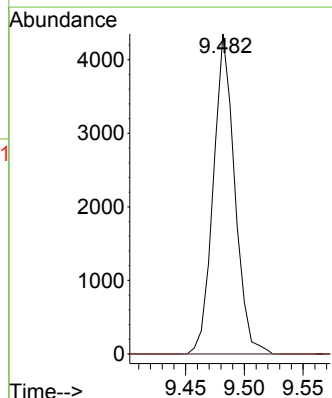
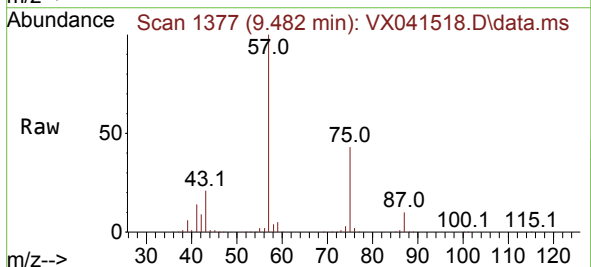
Instrument :
 MSVOA_X
 ClientSampleId :
 WCS-TPG

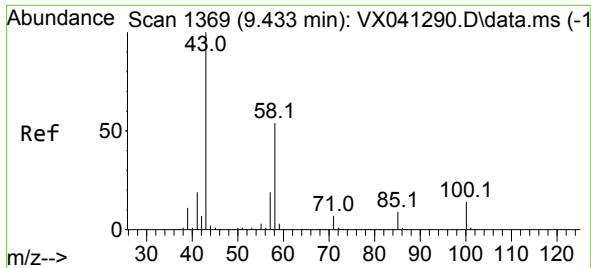
Tgt Ion: 75 Resp: 41386
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 33.7 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 2.295 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX041518.D
 Acq: 14 May 2024 14:25

Tgt Ion: 76 Resp: 5517
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

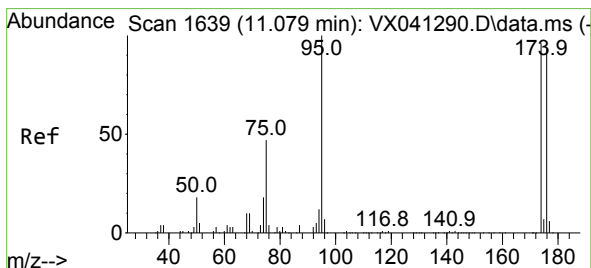
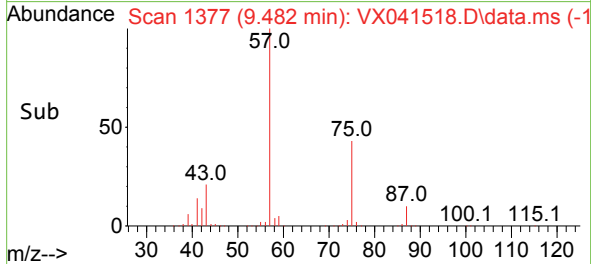
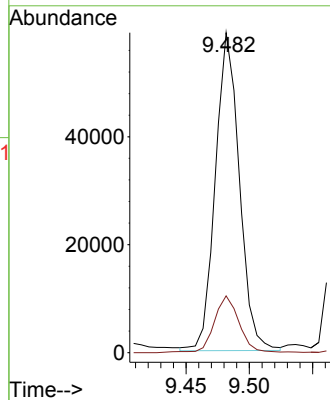
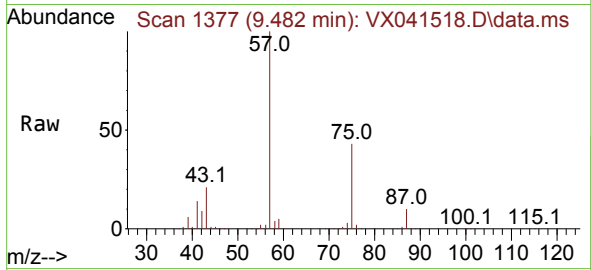




#59
2-Hexanone
Concen: 43.500 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX041518.D
Acq: 14 May 2024 14:25

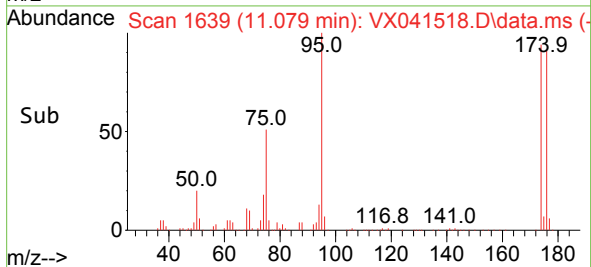
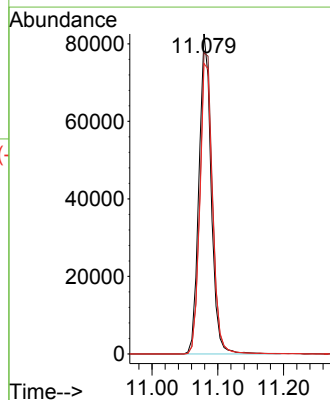
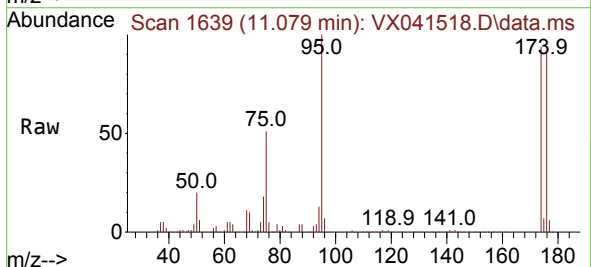
Instrument :
MSVOA_X
ClientSampleId :
WCS-TPG

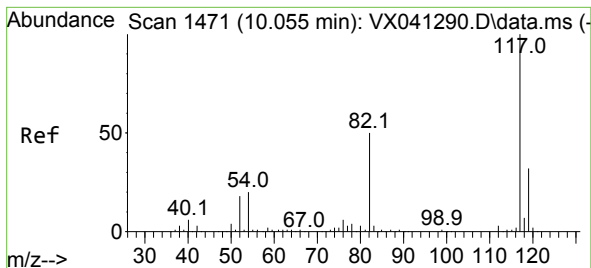
Tgt Ion: 43 Resp: 77668
Ion Ratio Lower Upper
43 100
58 18.7 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 52.120 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041518.D
Acq: 14 May 2024 14:25

Tgt Ion: 95 Resp: 105927
Ion Ratio Lower Upper
95 100
174 98.5 0.0 135.6
176 94.6 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: VX041518.D

Acq: 14 May 2024 14:25

Instrument :

MSVOA_X

ClientSampleId :

WCS-TPG

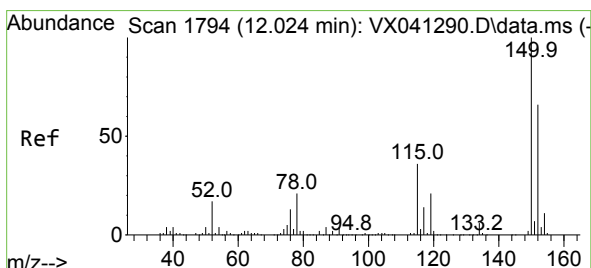
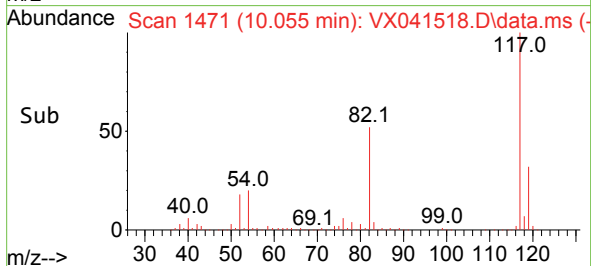
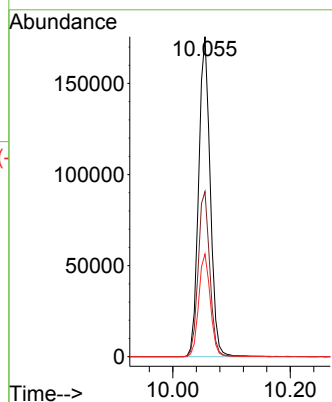
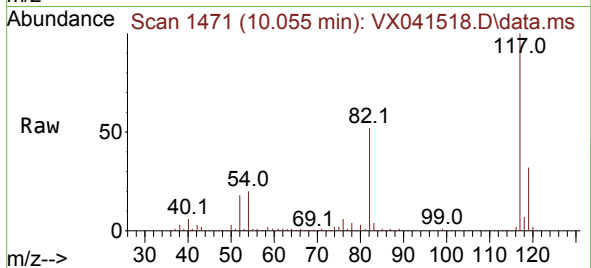
Tgt Ion:117 Resp: 240451

Ion Ratio Lower Upper

117 100

82 51.6 46.2 69.4

119 32.1 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX041518.D

Acq: 14 May 2024 14:25

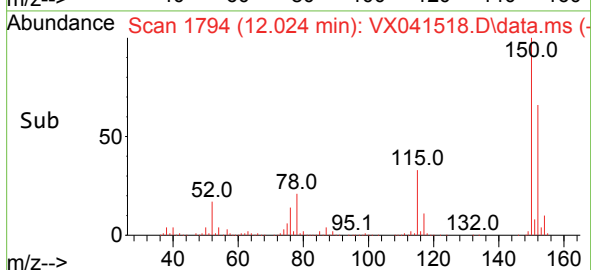
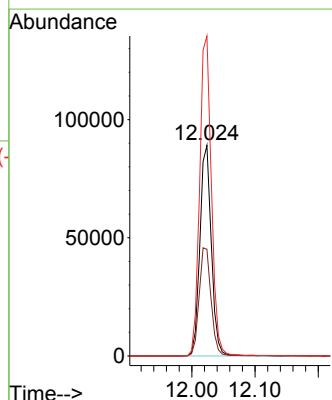
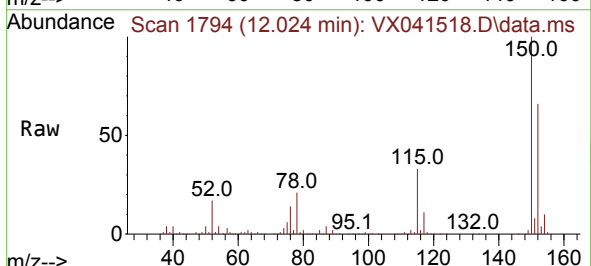
Tgt Ion:152 Resp: 112394

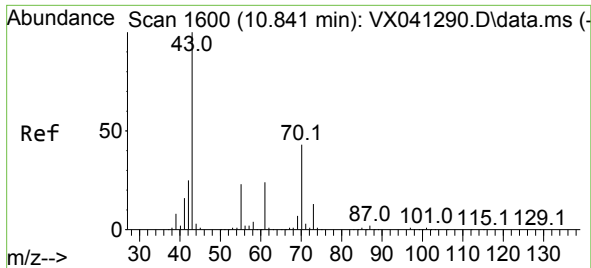
Ion Ratio Lower Upper

152 100

115 53.5 43.3 129.9

150 155.9 0.0 345.0

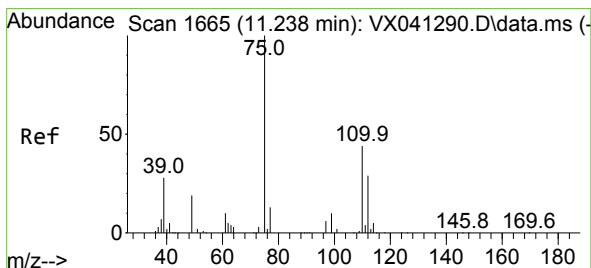
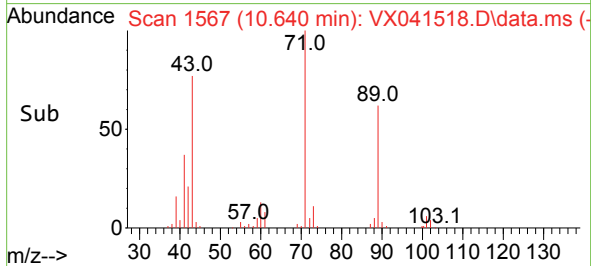
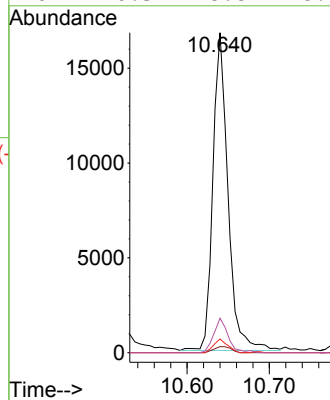
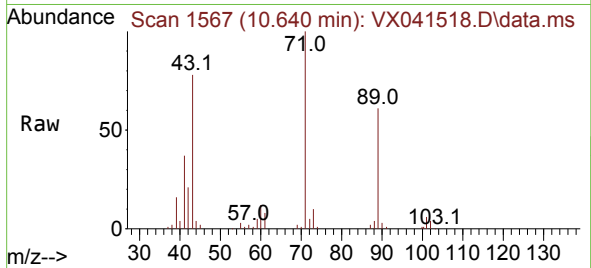




#74
N-amy1 acetate
Concen: 7.127 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX041518.D
Acq: 14 May 2024 14:25

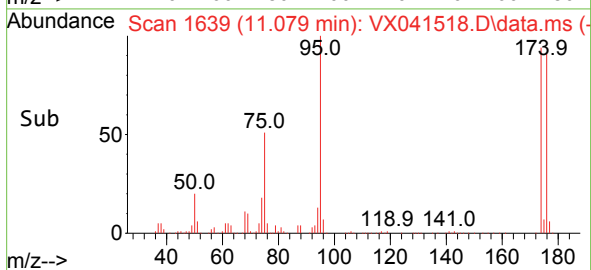
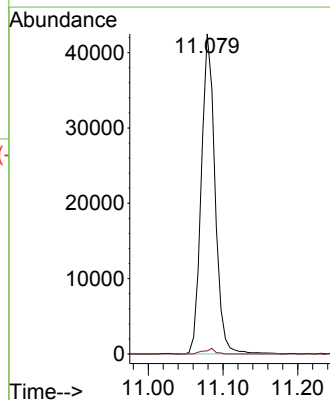
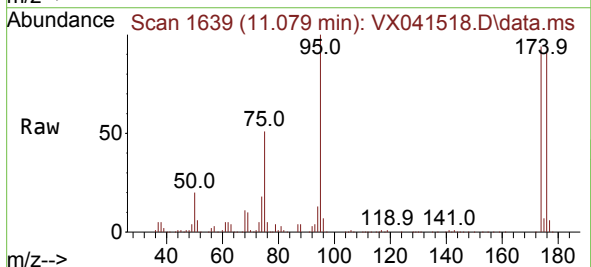
Instrument : MSVOA_X
ClientSampleId : WCS-TPG

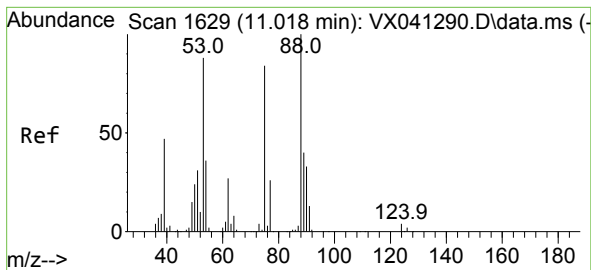
Tgt Ion: 43	Resp: 21362
Ion Ratio	Lower Upper
43 100	
70 2.2	32.9 49.3#
55 3.9	19.3 28.9#
61 10.3	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 29.564 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX041518.D
Acq: 14 May 2024 14:25

Tgt Ion: 75	Resp: 54152
Ion Ratio	Lower Upper
75 100	
77 1.4	19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.530 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX041518.D
 Acq: 14 May 2024 14:25

Instrument :
 MSVOA_X
 ClientSampleId :
 WCS-TPG

Tgt Ion: 75 Resp: 54152
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

