

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021524\
 Data File : VX040258.D
 Acq On : 15 Feb 2024 17:31
 Operator : JC/MD
 Sample : P1461-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

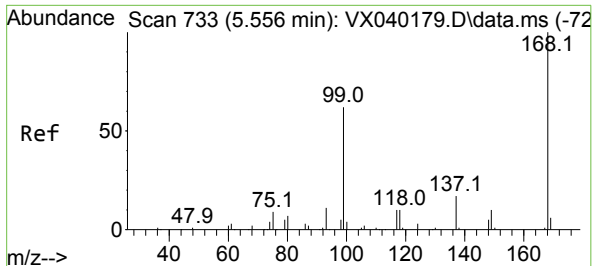
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2

Quant Time: Feb 16 00:53:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	72755	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	124961	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	123862	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	62953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	48376	44.694	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.380%
35) Dibromofluoromethane	5.391	113	40110	45.963	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.920%
50) Toluene-d8	8.647	98	154315	47.273	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.540%
62) 4-Bromofluorobenzene	11.079	95	61770	46.397	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.800%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.959	59	93	0.441	ug/l	# 78
16) Acetone	2.379	43	13404	30.152	ug/l	# 86
18) Methyl Acetate	2.703	43	767	0.644	ug/l	# 87
20) Methylene Chloride	2.788	84	2711	1.713	ug/l	# 78
25) 2-Butanone	4.580	43	938	1.350	ug/l	# 88
29) Tetrahydrofuran	5.050	42	182	0.402	ug/l	# 65
31) Cyclohexane	5.544	56	1644	1.273	ug/l	# 27
36) 1,1-Dichloropropene	5.556	75	5712	4.673	ug/l	# 47
37) Ethyl Acetate	4.727	43	1240	0.912	ug/l	# 75
38) Carbon Tetrachloride	5.550	117	7112	6.119	ug/l	# 16
43) Isopropyl Acetate	6.342	43	57614	27.133	ug/l	97
48) Methyl methacrylate	7.799	41	50467	46.450	ug/l	# 48
49) 1,4-Dioxane	7.781	88	19	0.804	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	41661	28.737	ug/l	# 51
53) t-1,3-Dichloropropene	8.951	75	330	2.167	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	18269	12.910	ug/l	# 62
56) Ethyl methacrylate	9.238	69	320	0.224	ug/l	# 1
57) 1,3-Dichloropropane	9.482	76	2396	1.537	ug/l	# 42
59) 2-Hexanone	9.372	43	52331	45.529	ug/l	# 26
74) N-amyl acetate	10.817	43	417	0.219	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	32227	25.280	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	32227	69.498	ug/l	# 5

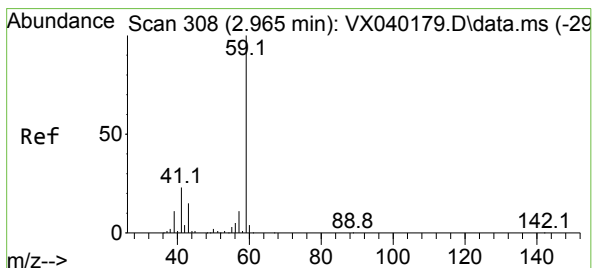
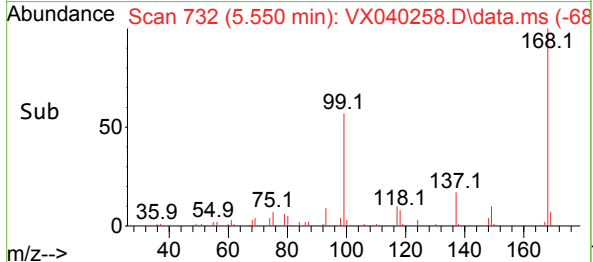
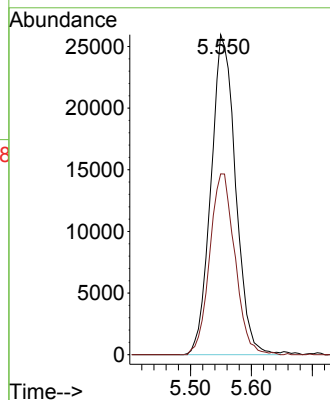
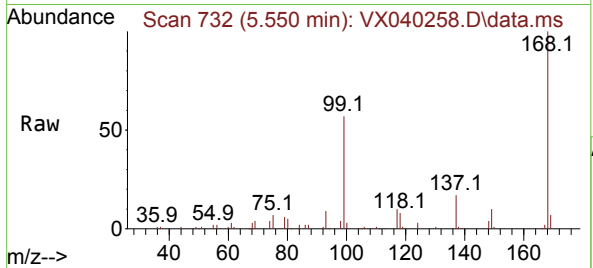
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040258.D
Acq: 15 Feb 2024 17:31

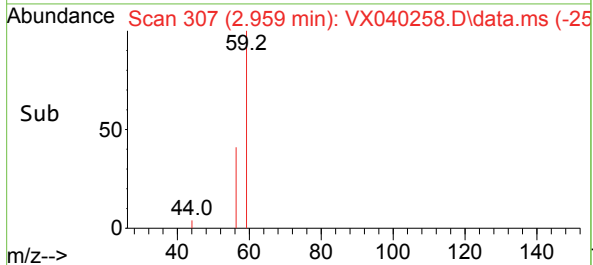
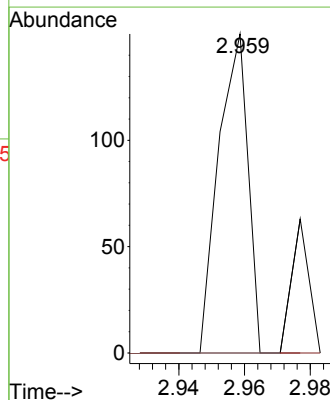
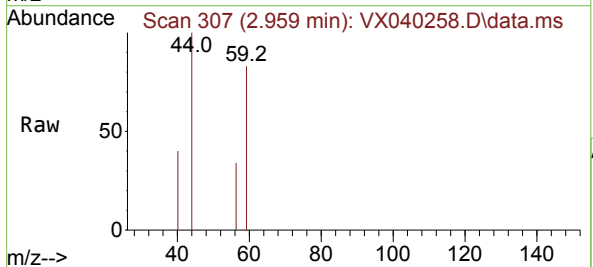
Instrument :
MSVOA_X
ClientSampleId :
TP-2

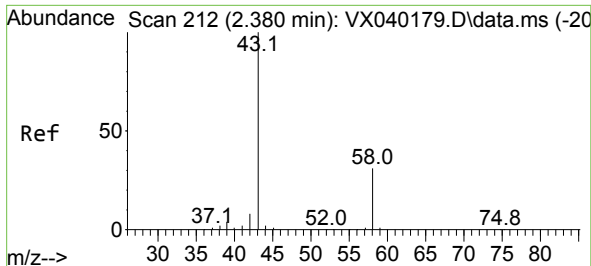
Tgt Ion:168 Resp: 72755
Ion Ratio Lower Upper
168 100
99 56.5 56.6 85.0#



#11
Tert butyl alcohol
Concen: 0.441 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX040258.D
Acq: 15 Feb 2024 17:31

Tgt Ion: 59 Resp: 93
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

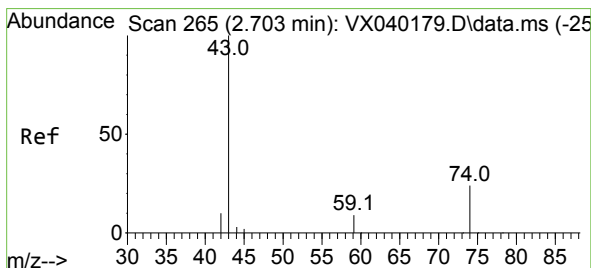
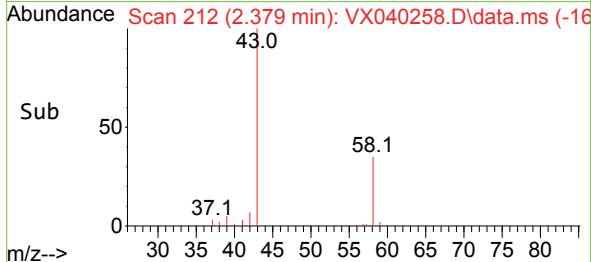
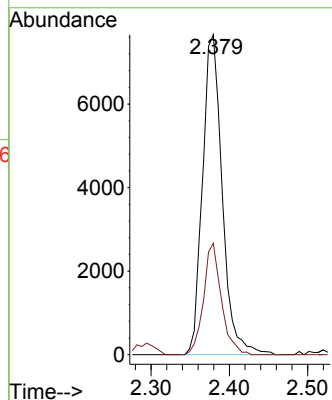
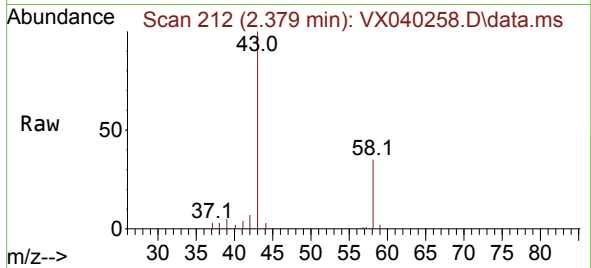




#16
Acetone
Concen: 30.152 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX040258.D
Acq: 15 Feb 2024 17:31

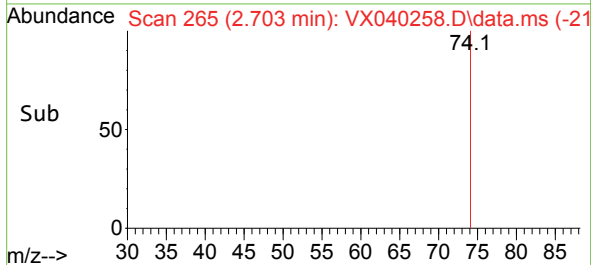
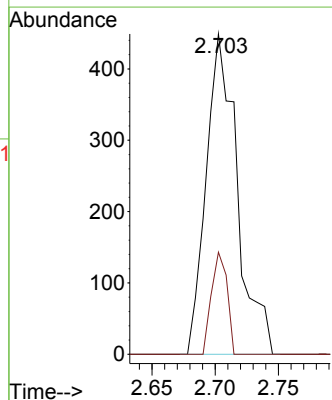
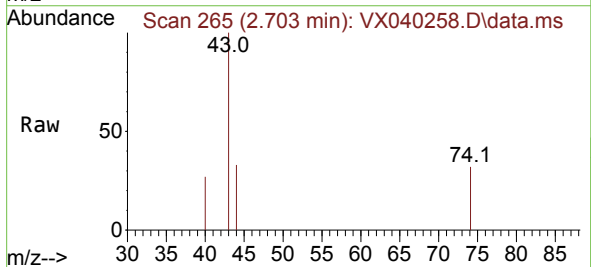
Instrument :
MSVOA_X
ClientSampleId :
TP-2

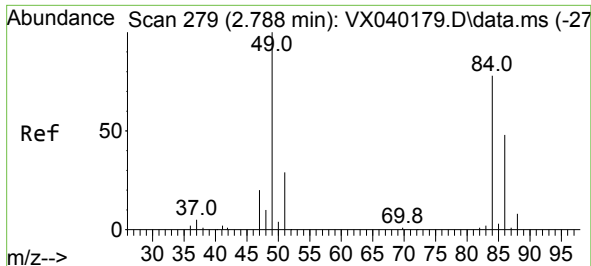
Tgt Ion: 43 Resp: 13404
Ion Ratio Lower Upper
43 100
58 34.8 21.9 32.9#



#18
Methyl Acetate
Concen: 0.644 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX040258.D
Acq: 15 Feb 2024 17:31

Tgt Ion: 43 Resp: 767
Ion Ratio Lower Upper
43 100
74 16.0 17.8 26.8#



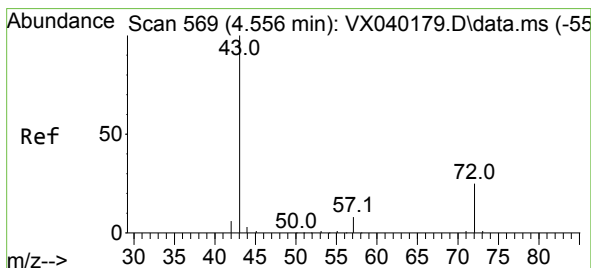
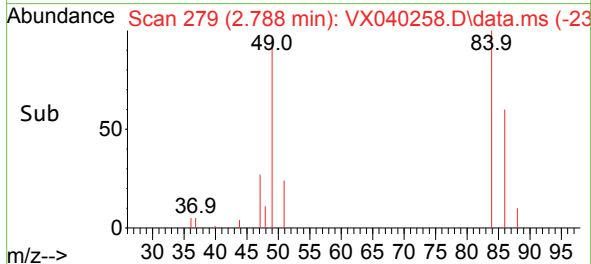
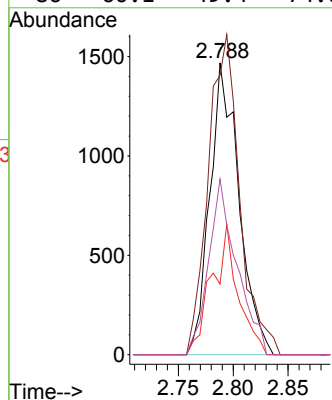
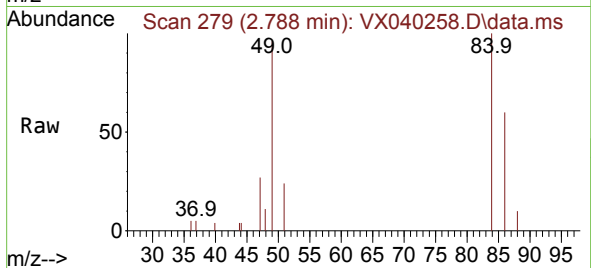


#20
Methylene Chloride
Concen: 1.713 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX040258.D
Acq: 15 Feb 2024 17:31

Instrument :
MSVOA_X
ClientSampleId :
TP-2

Tgt Ion: 84 Resp: 2711

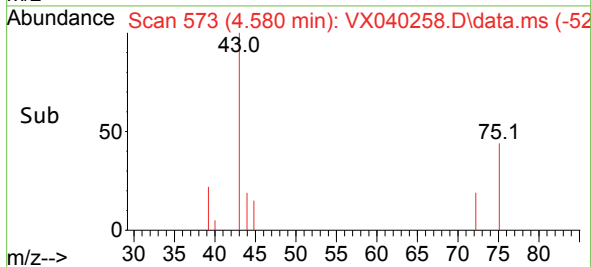
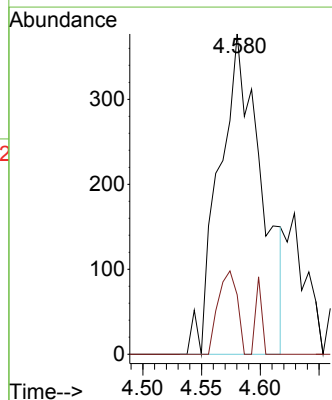
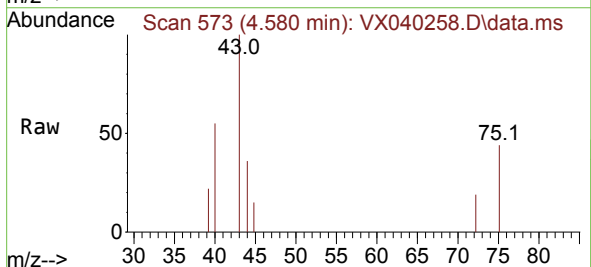
Ion	Ratio	Lower	Upper
84	100		
49	95.7	103.6	155.4#
51	24.2	33.8	50.6#
86	60.1	49.4	74.0

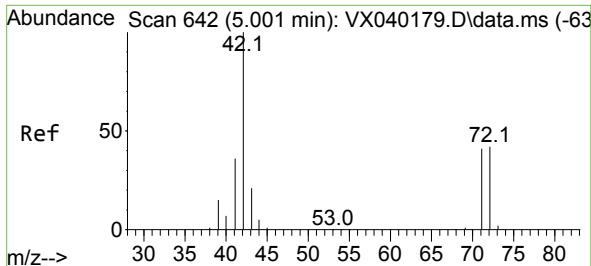


#25
2-Butanone
Concen: 1.350 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX040258.D
Acq: 15 Feb 2024 17:31

Tgt Ion: 43 Resp: 938

Ion	Ratio	Lower	Upper
43	100		
72	18.6	19.4	29.2#





#29

Tetrahydrofuran

Concen: 0.402 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.043 min

Lab File: VX040258.D

Acq: 15 Feb 2024 17:31

Instrument :

MSVOA_X

ClientSampleId :

TP-2

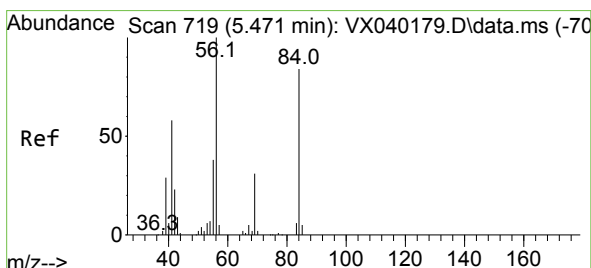
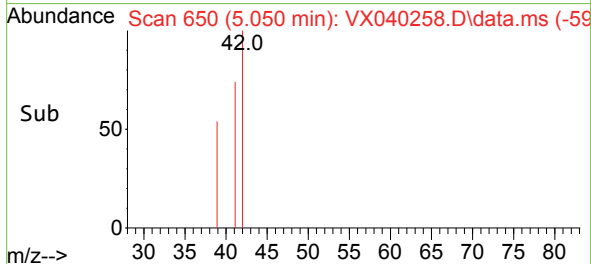
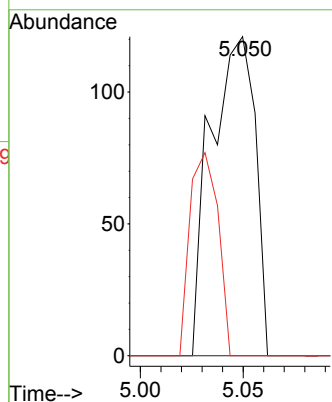
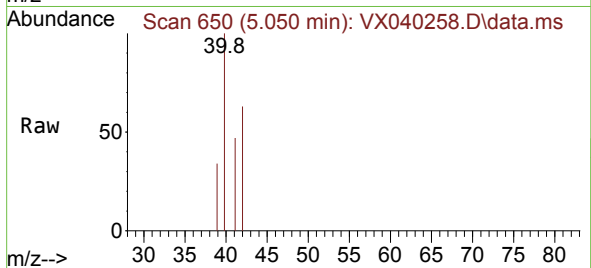
Tgt Ion: 42 Resp: 182

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 40.7 32.2 48.2



#31

Cyclohexane

Concen: 1.273 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX040258.D

Acq: 15 Feb 2024 17:31

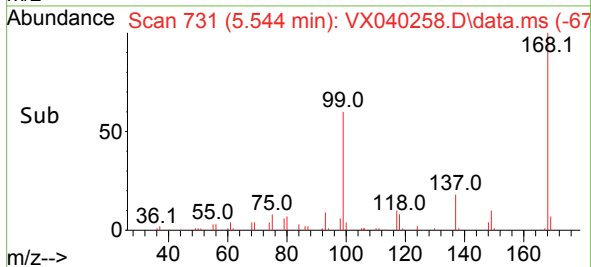
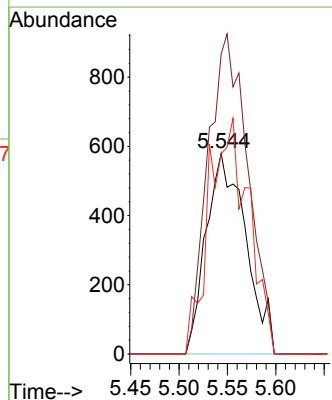
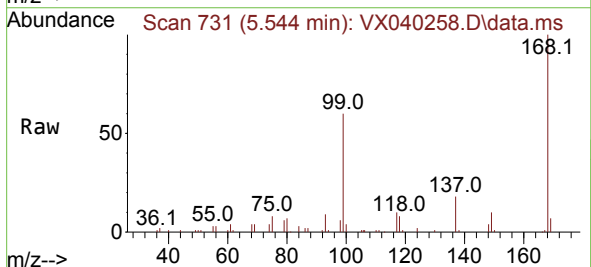
Tgt Ion: 56 Resp: 1644

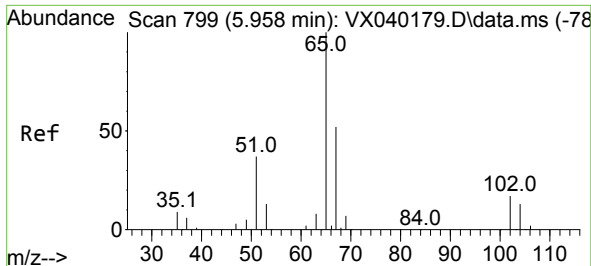
Ion Ratio Lower Upper

56 100

69 149.5 23.4 35.2#

84 99.7 65.9 98.9#

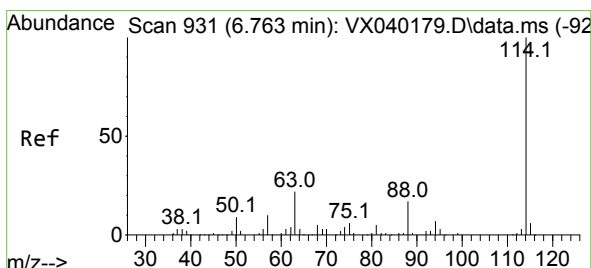
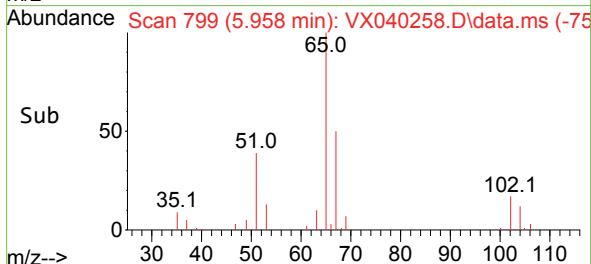
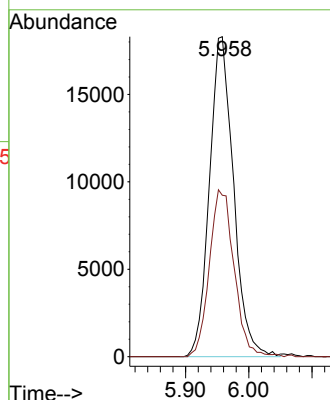
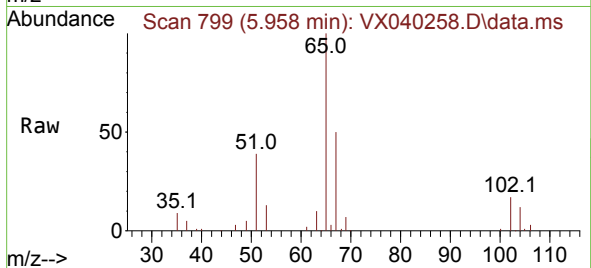




#33
 1,2-Dichloroethane-d4
 Concen: 44.694 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: VX040258.D
 Acq: 15 Feb 2024 17:31

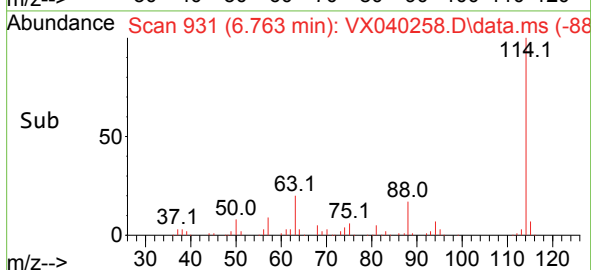
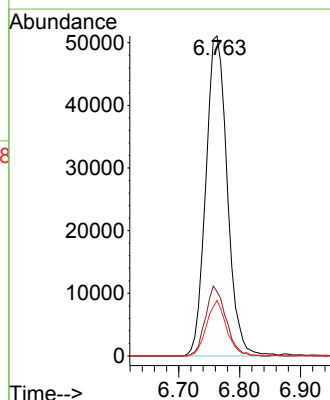
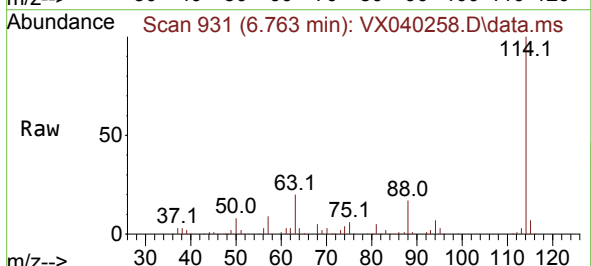
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2

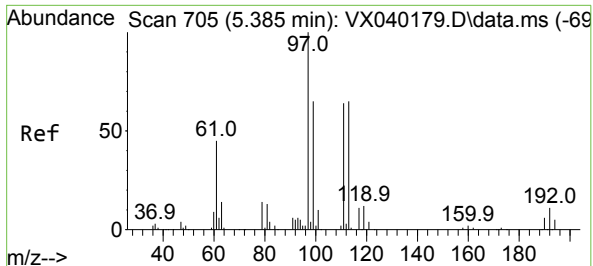
Tgt Ion: 65 Resp: 48376
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX040258.D
 Acq: 15 Feb 2024 17:31

Tgt Ion: 114 Resp: 124961
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 45.0
 88 17.4 0.0 36.6





#35

Dibromofluoromethane

Concen: 45.963 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX040258.D

Acq: 15 Feb 2024 17:31

Instrument :

MSVOA_X

ClientSampleId :

TP-2

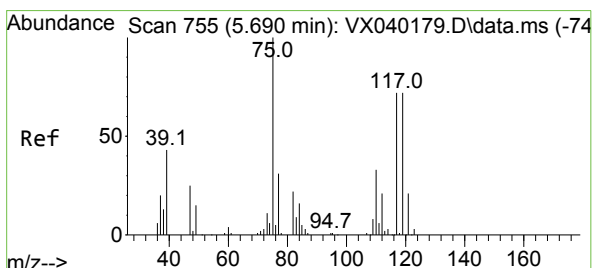
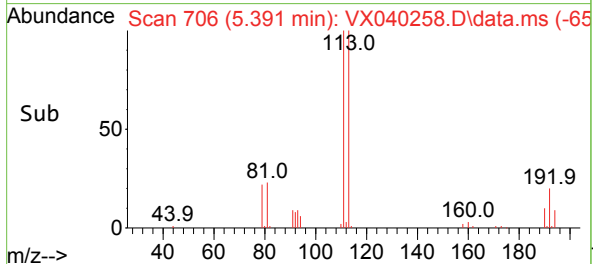
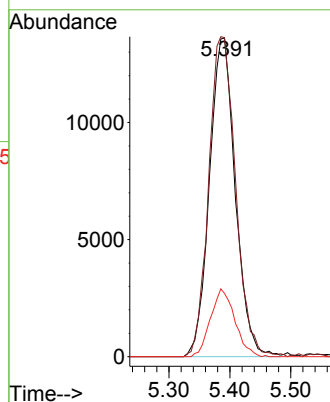
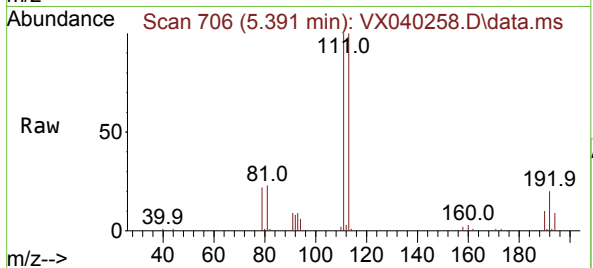
Tgt Ion:113 Resp: 40110

Ion Ratio Lower Upper

113 100

111 104.2 82.9 124.3

192 20.0 13.3 19.9#



#36

1,1-Dichloropropene

Concen: 4.673 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX040258.D

Acq: 15 Feb 2024 17:31

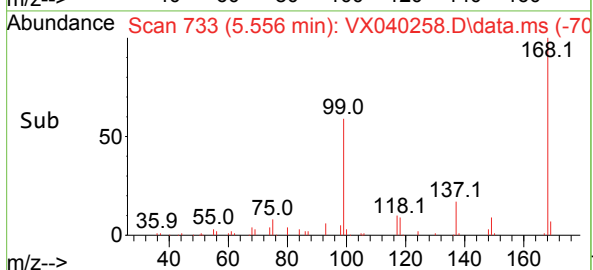
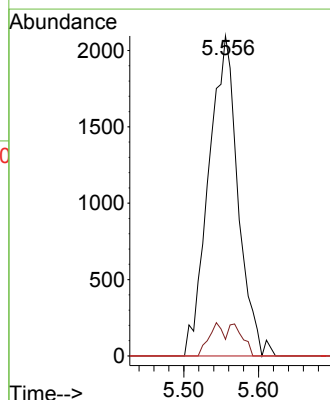
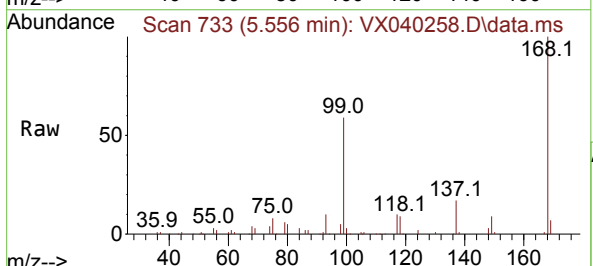
Tgt Ion: 75 Resp: 5712

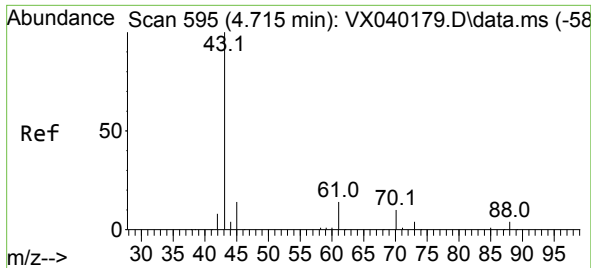
Ion Ratio Lower Upper

75 100

110 5.3 17.0 50.9#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.912 ug/l

RT: 4.727 min Scan# 595

Delta R.T. 0.006 min

Lab File: VX040258.D

Acq: 15 Feb 2024 17:31

Instrument :

MSVOA_X

ClientSampleId :

TP-2

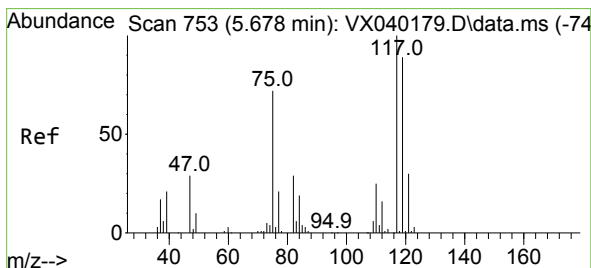
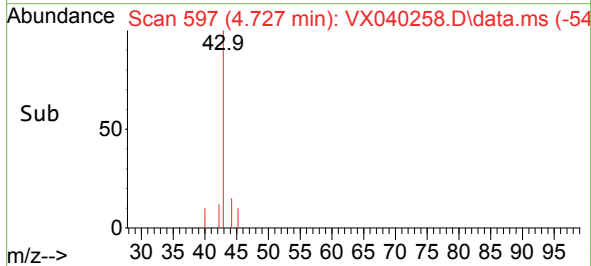
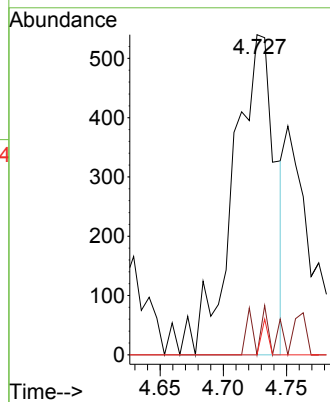
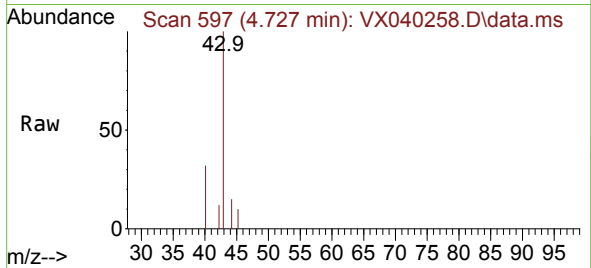
Tgt Ion: 43 Resp: 1240

Ion Ratio Lower Upper

43 100

61 2.3 10.6 16.0#

70 1.8 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.119 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX040258.D

Acq: 15 Feb 2024 17:31

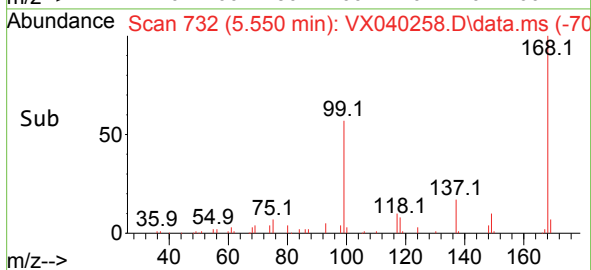
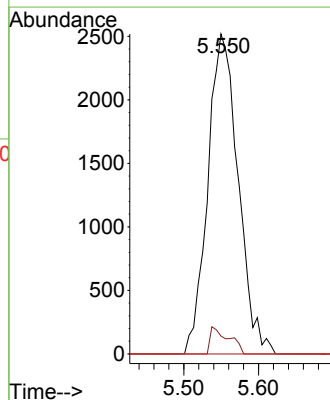
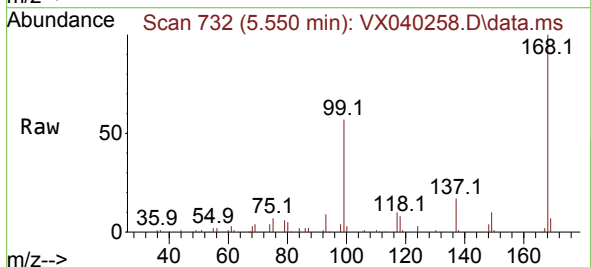
Tgt Ion: 117 Resp: 7112

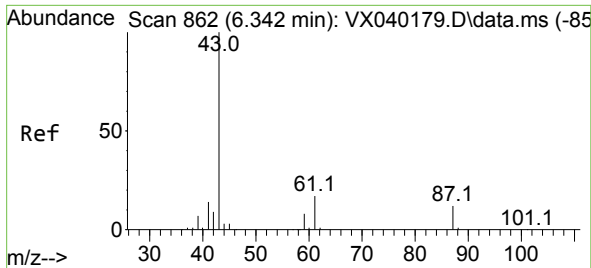
Ion Ratio Lower Upper

117 100

119 5.6 78.2 117.2#

121 0.0 24.4 36.6#

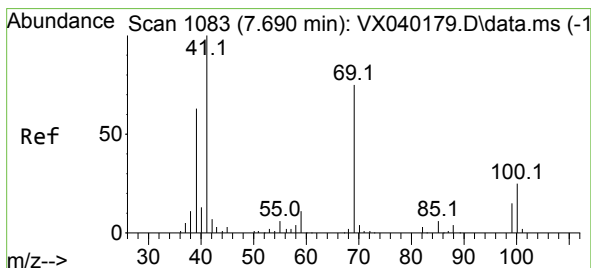
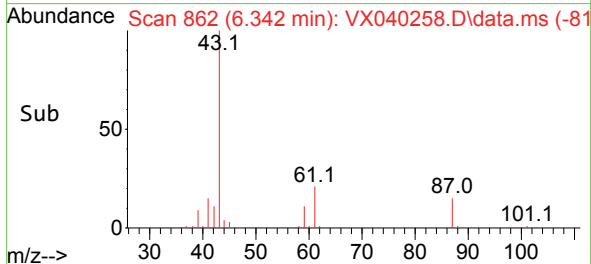
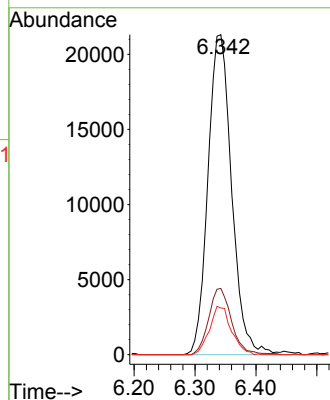
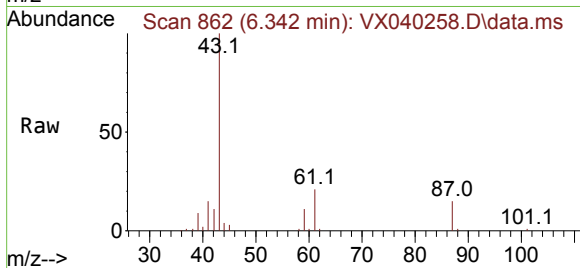




#43
Isopropyl Acetate
Concen: 27.133 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX040258.D
Acq: 15 Feb 2024 17:31

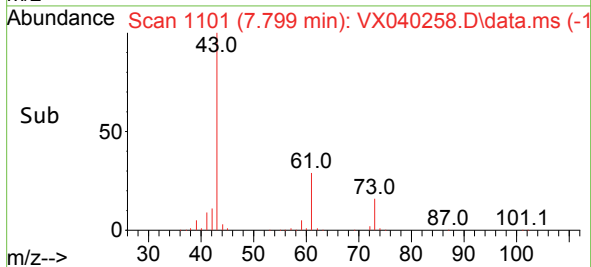
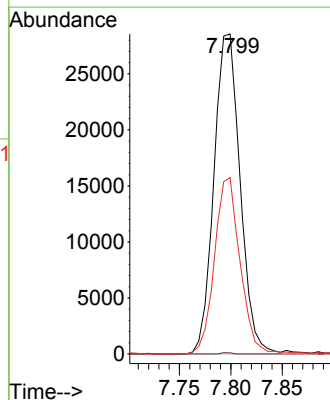
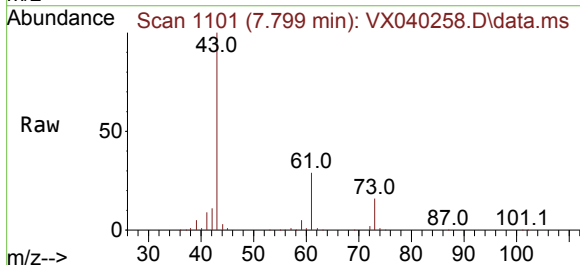
Instrument :
MSVOA_X
ClientSampleId :
TP-2

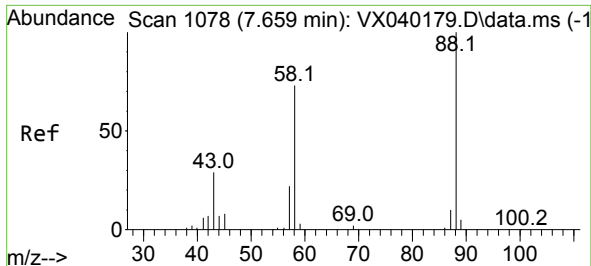
Tgt Ion: 43 Resp: 57614
Ion Ratio Lower Upper
43 100
61 20.0 15.2 22.8
87 13.9 9.8 14.6



#48
Methyl methacrylate
Concen: 46.450 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX040258.D
Acq: 15 Feb 2024 17:31

Tgt Ion: 41 Resp: 50467
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 54.1 47.7 71.5

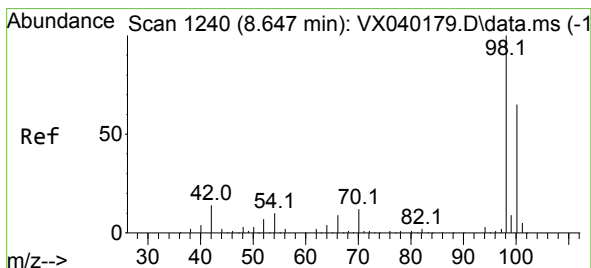
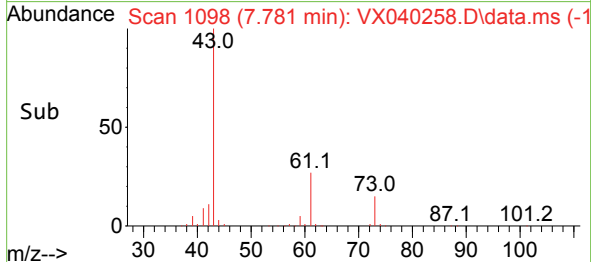
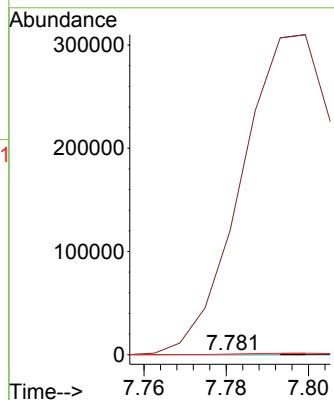
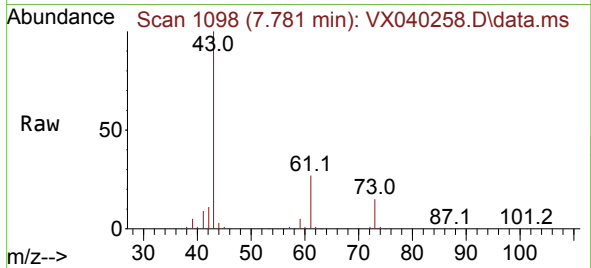




#49
1,4-Dioxane
Concen: 0.804 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.122 min
Lab File: VX040258.D
Acq: 15 Feb 2024 17:31

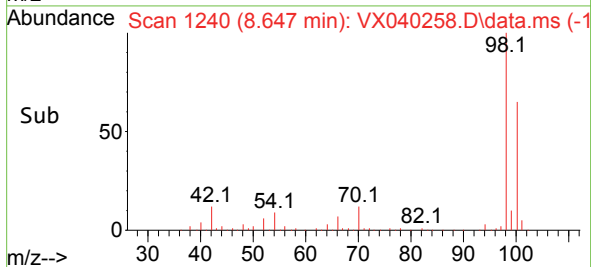
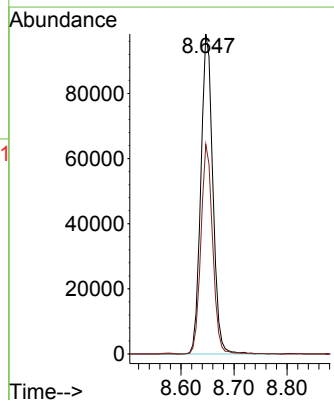
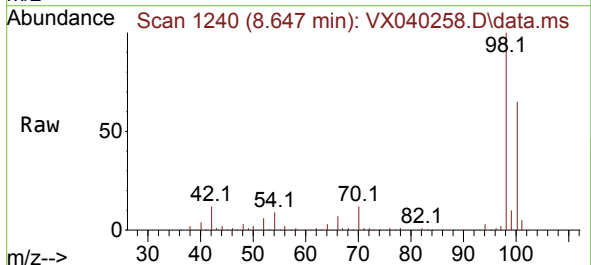
Instrument :
MSVOA_X
ClientSampleId :
TP-2

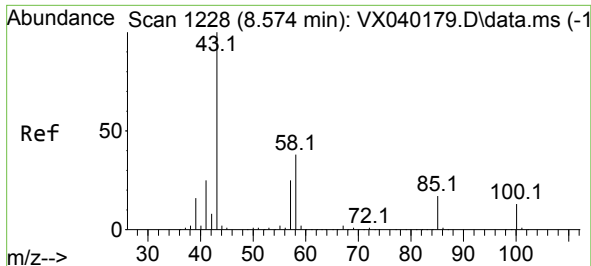
Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 2879810.5 0.0 0.0#
58 12568.4 60.1 90.1#



#50
Toluene-d8
Concen: 47.273 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX040258.D
Acq: 15 Feb 2024 17:31

Tgt Ion: 98 Resp: 154315
Ion Ratio Lower Upper
98 100
100 64.2 53.1 79.7

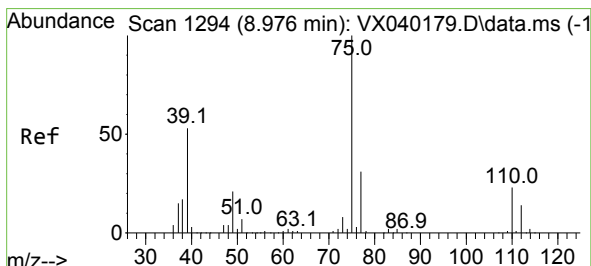
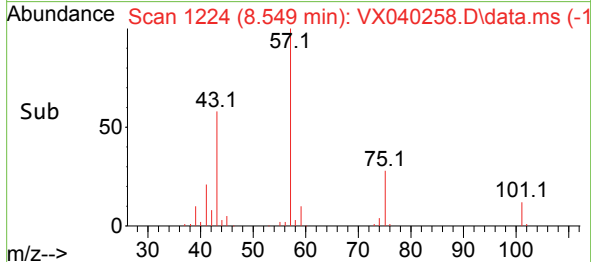
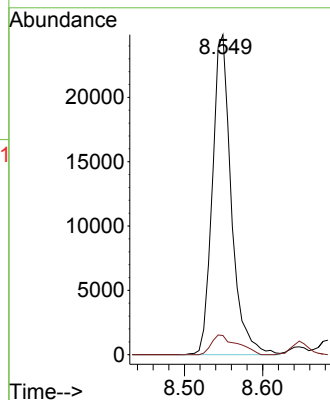
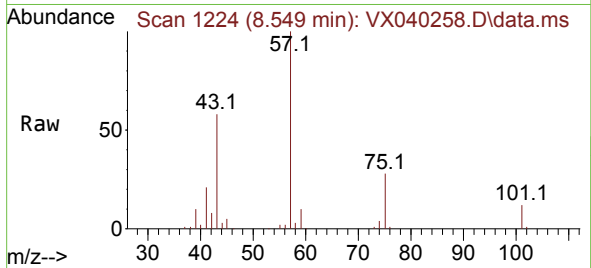




#51
4-Methyl-2-Pentanone
Concen: 28.737 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX040258.D
Acq: 15 Feb 2024 17:31

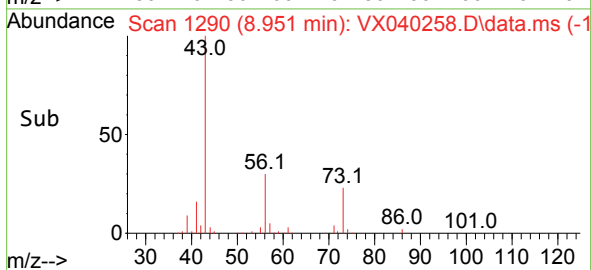
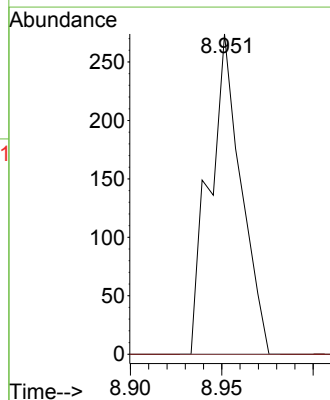
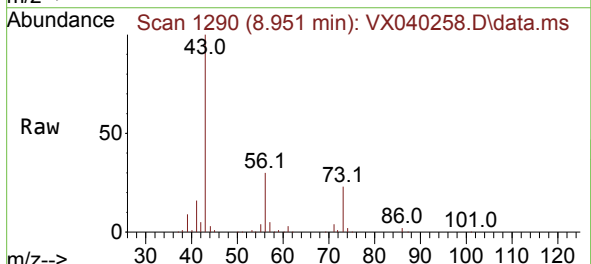
Instrument :
MSVOA_X
ClientSampleId :
TP-2

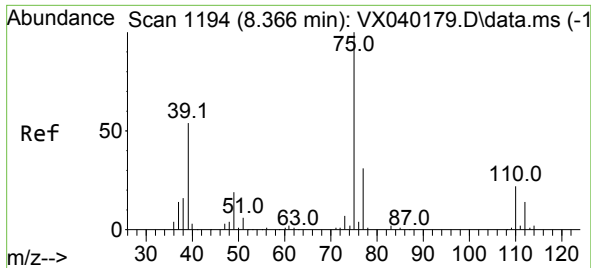
Tgt Ion: 43 Resp: 41661
Ion Ratio Lower Upper
43 100
58 8.4 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 2.167 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX040258.D
Acq: 15 Feb 2024 17:31

Tgt Ion: 75 Resp: 330
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

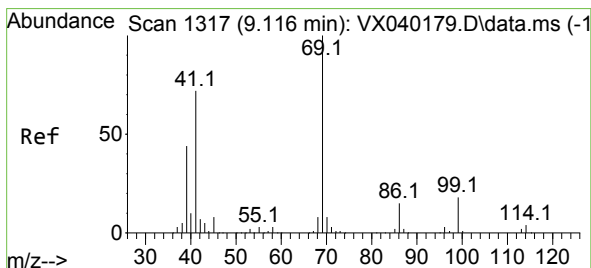
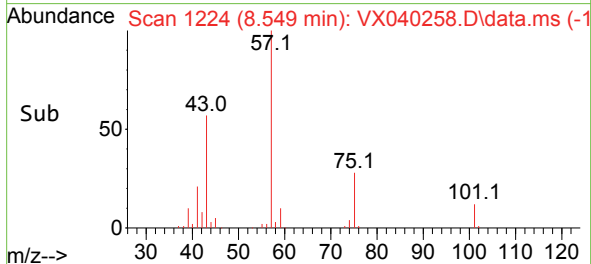
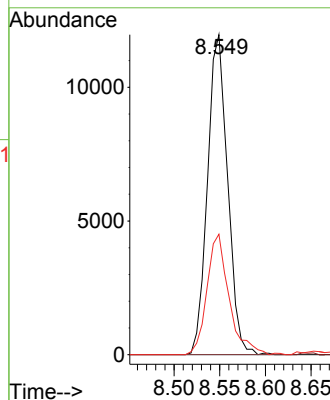
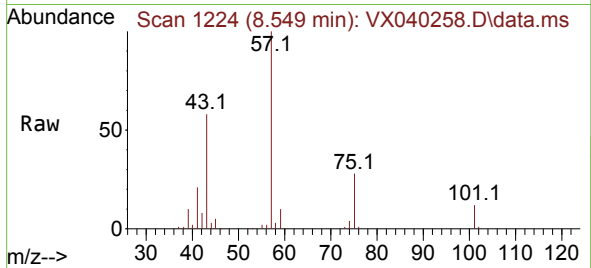




#54
 cis-1,3-Dichloropropene
 Concen: 12.910 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX040258.D
 Acq: 15 Feb 2024 17:31

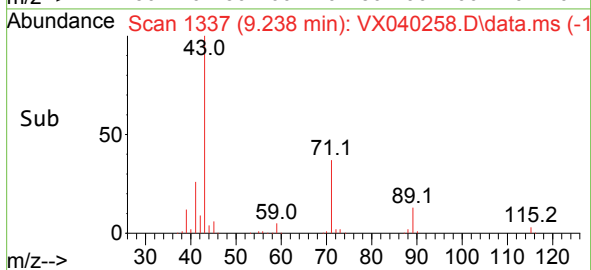
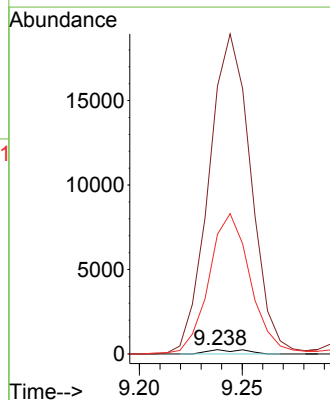
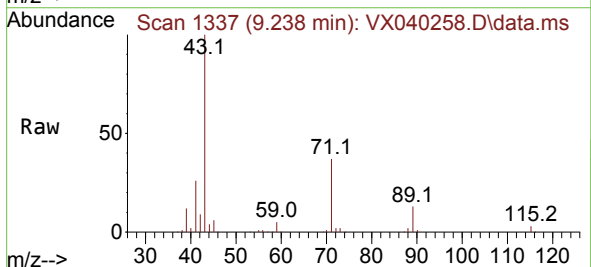
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2

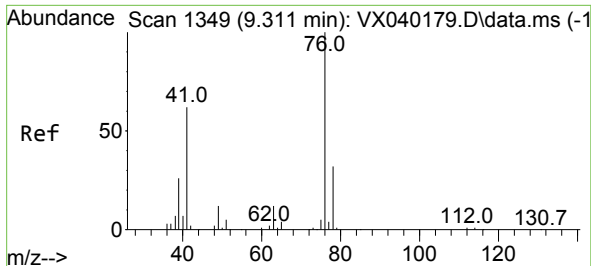
Tgt Ion: 75 Resp: 18269
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 37.2 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.224 ug/l
 RT: 9.238 min Scan# 1337
 Delta R.T. 0.122 min
 Lab File: VX040258.D
 Acq: 15 Feb 2024 17:31

Tgt Ion: 69 Resp: 320
 Ion Ratio Lower Upper
 69 100
 41 8460.9 56.8 85.2#
 39 3682.8 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.537 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.171 min

Lab File: VX040258.D

Acq: 15 Feb 2024 17:31

Instrument :

MSVOA_X

ClientSampleId :

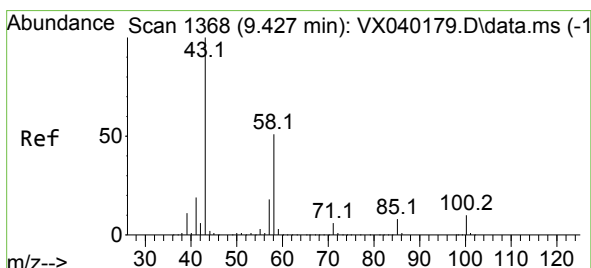
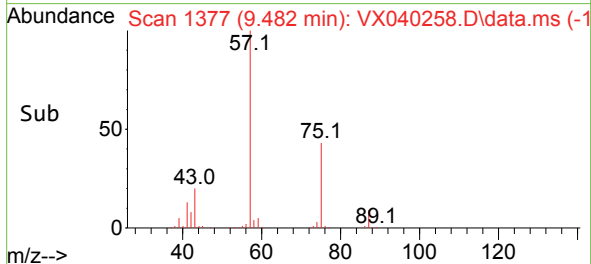
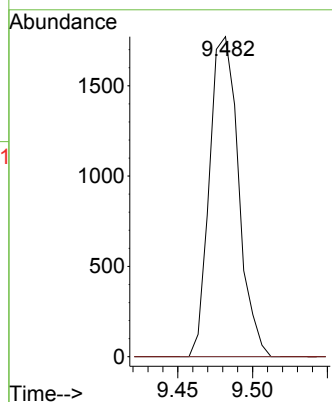
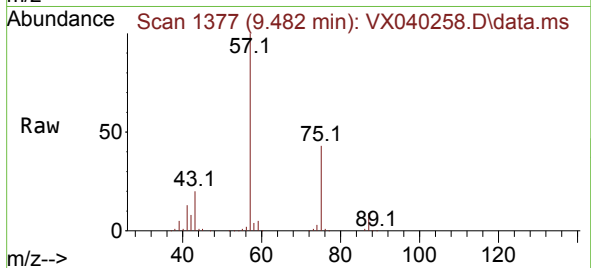
TP-2

Tgt Ion: 76 Resp: 2396

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 45.529 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX040258.D

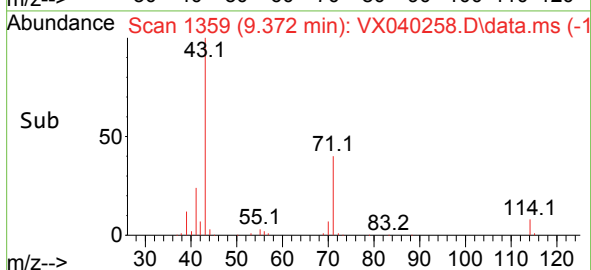
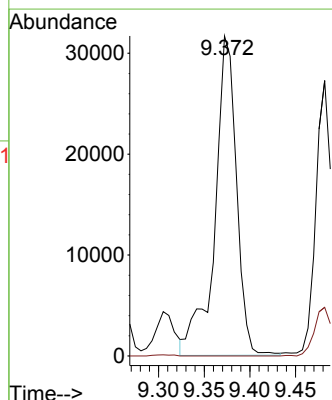
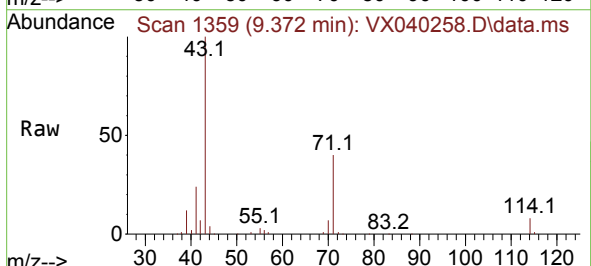
Acq: 15 Feb 2024 17:31

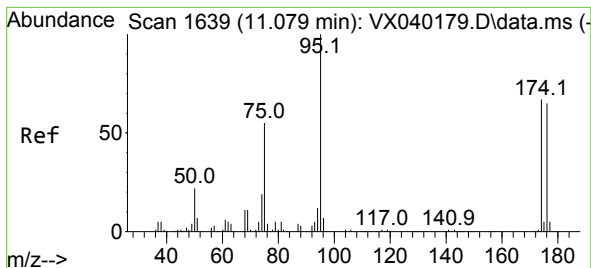
Tgt Ion: 43 Resp: 52331

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

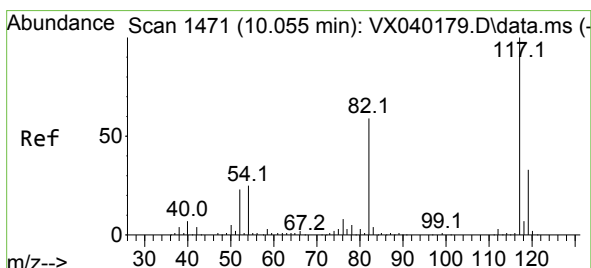
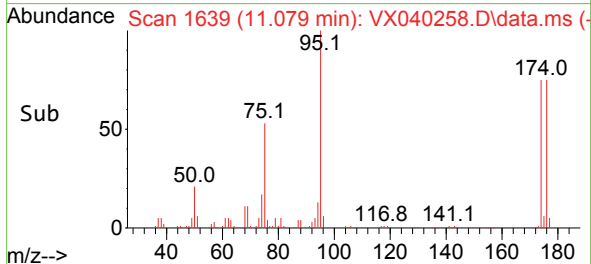
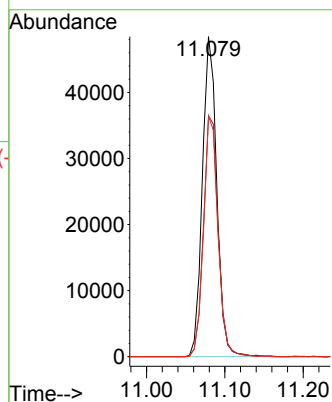
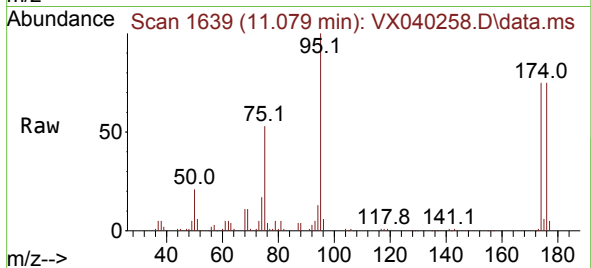




#62
4-Bromofluorobenzene
Concen: 46.397 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX040258.D
Acq: 15 Feb 2024 17:31

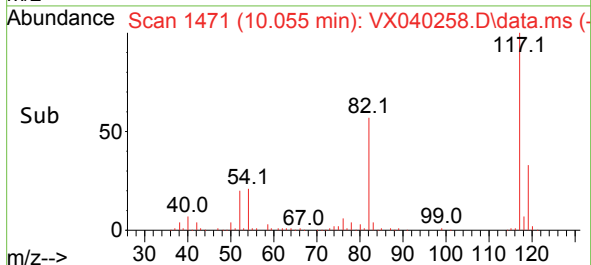
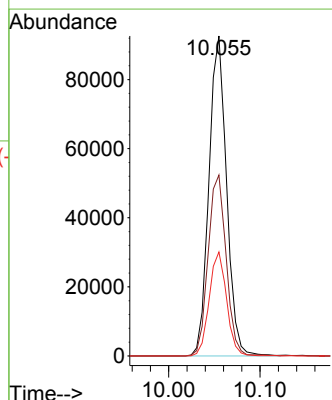
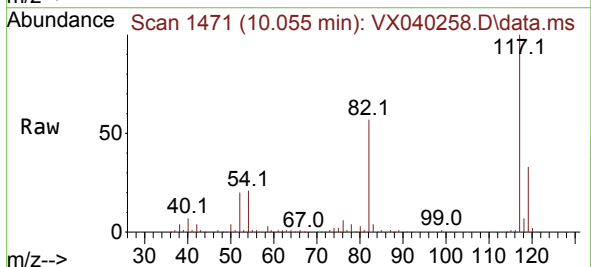
Instrument :
MSVOA_X
ClientSampleId :
TP-2

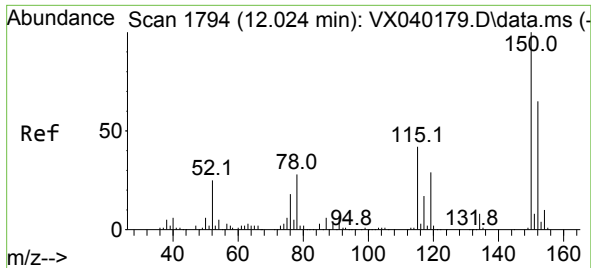
Tgt Ion: 95 Resp: 61770
Ion Ratio Lower Upper
95 100
174 77.2 0.0 135.6
176 75.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040258.D
Acq: 15 Feb 2024 17:31

Tgt Ion: 117 Resp: 123862
Ion Ratio Lower Upper
117 100
82 56.5 46.2 69.4
119 32.5 25.5 38.3

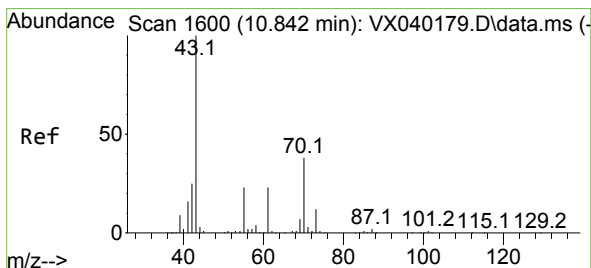
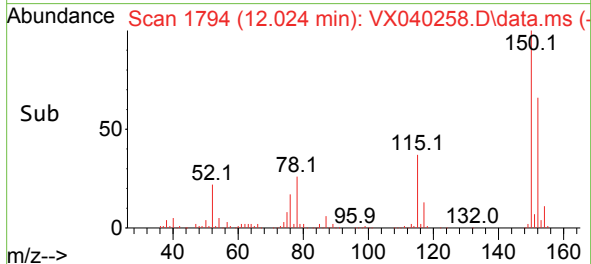
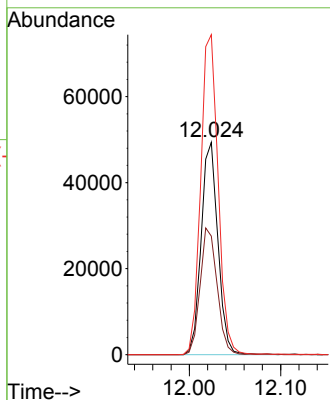
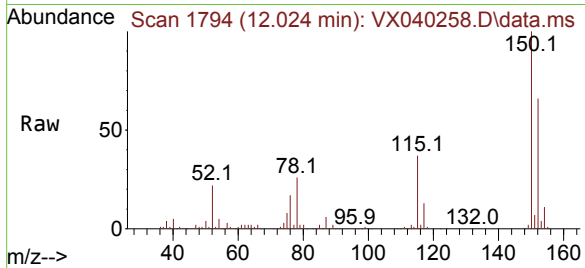




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX040258.D
Acq: 15 Feb 2024 17:31

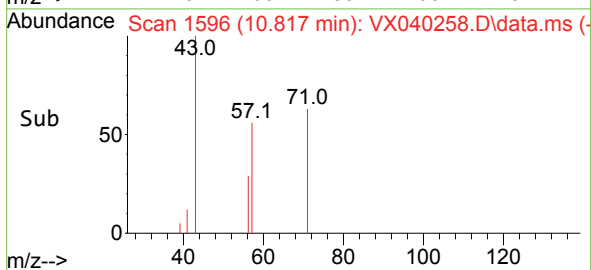
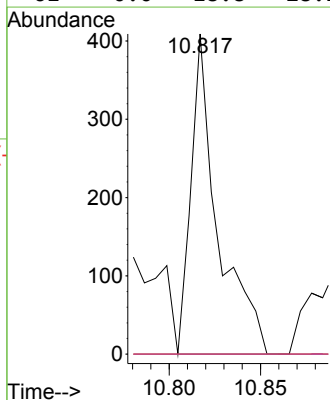
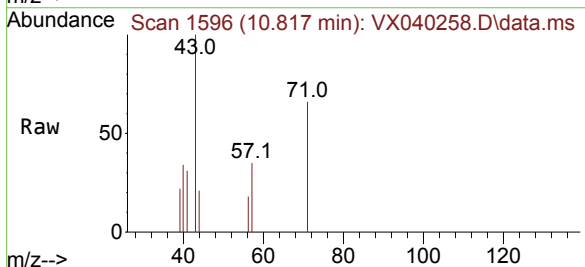
Instrument :
MSVOA_X
ClientSampleId :
TP-2

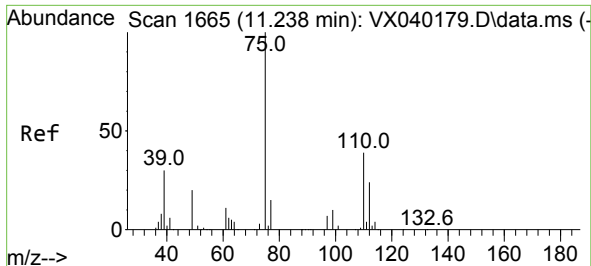
Tgt Ion:152 Resp: 62953
Ion Ratio Lower Upper
152 100
115 60.6 43.3 129.9
150 156.3 0.0 345.0



#74
N-ethyl acetate
Concen: 0.219 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.024 min
Lab File: VX040258.D
Acq: 15 Feb 2024 17:31

Tgt Ion: 43 Resp: 417
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#

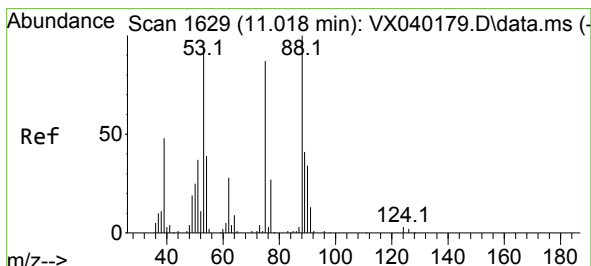
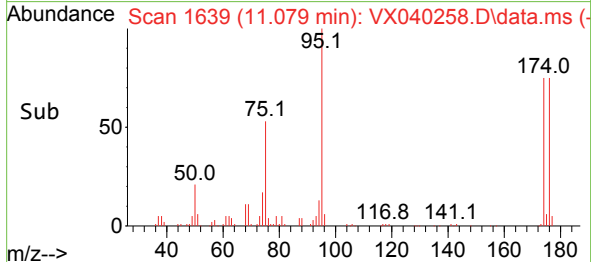
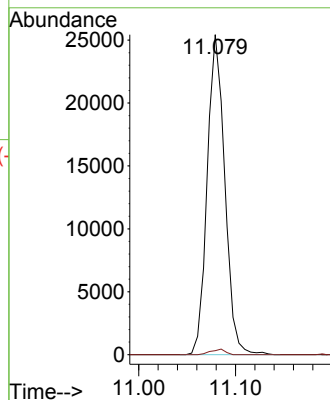
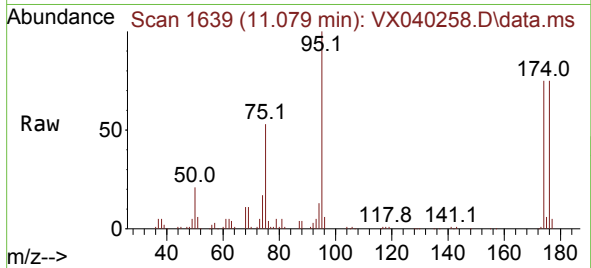




#76
1,2,3-Trichloropropane
Concen: 25.280 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX040258.D
Acq: 15 Feb 2024 17:31

Instrument :
MSVOA_X
ClientSampleId :
TP-2

Tgt Ion: 75 Resp: 32227
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.498 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040258.D
Acq: 15 Feb 2024 17:31

Tgt Ion: 75 Resp: 32227
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

