

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021424\
 Data File : VX040233.D
 Acq On : 14 Feb 2024 20:08
 Operator : JC/MD
 Sample : P1453-08RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 15 00:08:17 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	73532	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	123799	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	121672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	63642	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	47060	43.019	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.040%
35) Dibromofluoromethane	5.391	113	39537	45.732	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.460%
50) Toluene-d8	8.647	98	151541	46.859	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.720%
62) 4-Bromofluorobenzene	11.079	95	60113	45.576	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.160%

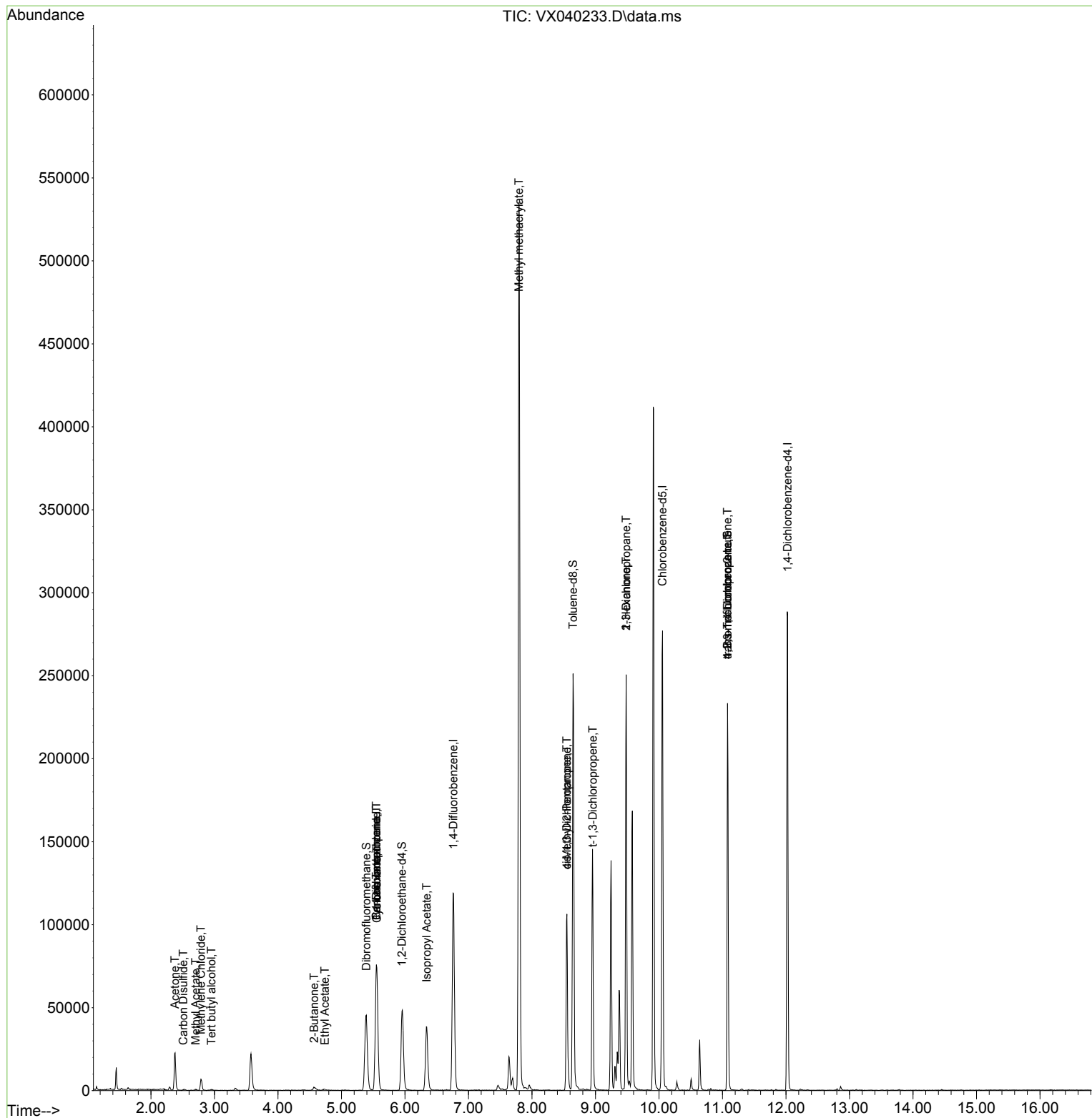
Target Compounds						Qvalue
11) Tert butyl alcohol	2.953	59	631	2.961	ug/l	# 78
16) Acetone	2.380	43	24245	53.963	ug/l	# 89
17) Carbon Disulfide	2.508	76	557	0.281	ug/l	# 76
18) Methyl Acetate	2.703	43	776	0.644	ug/l	# 66
20) Methylene Chloride	2.788	84	3428	2.557	ug/l	# 91
25) 2-Butanone	4.568	43	3518	5.009	ug/l	# 88
31) Cyclohexane	5.556	56	1734	1.329	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	5732	4.733	ug/l	# 51
37) Ethyl Acetate	4.739	43	1967	1.460	ug/l	# 76
38) Carbon Tetrachloride	5.550	117	7393	6.420	ug/l	# 17
43) Isopropyl Acetate	6.342	43	53219	25.299	ug/l	98
48) Methyl methacrylate	7.793	41	46350	43.061	ug/l	# 48
51) 4-Methyl-2-Pentanone	8.549	43	38265	26.643	ug/l	# 48
53) t-1,3-Dichloropropene	8.958	75	310	2.156	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	16381	11.684	ug/l	# 56
57) 1,3-Dichloropropane	9.482	76	2167	1.403	ug/l	# 42
59) 2-Hexanone	9.482	43	29414	25.831	ug/l	# 54
76) 1,2,3-Trichloropropane	11.079	75	31375	24.345	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	31375	67.059	ug/l	# 5

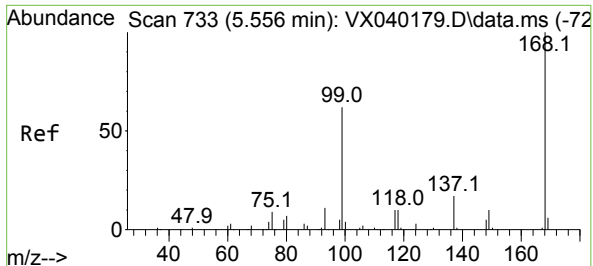
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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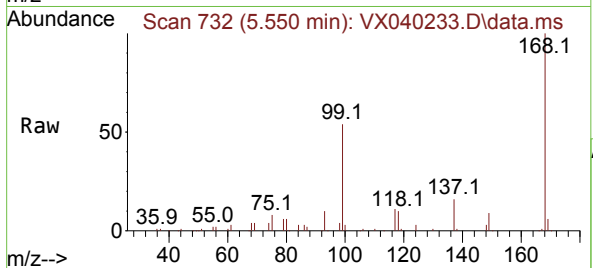
Quant Time: Feb 15 00:08:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 12 00:21:14 2024
Response via : Initial Calibration



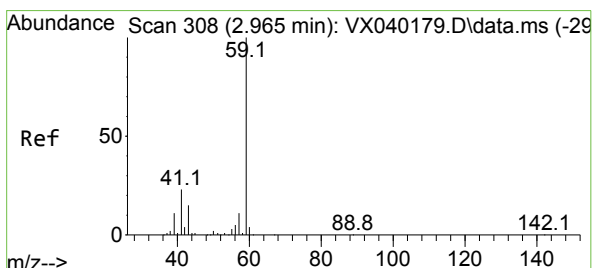
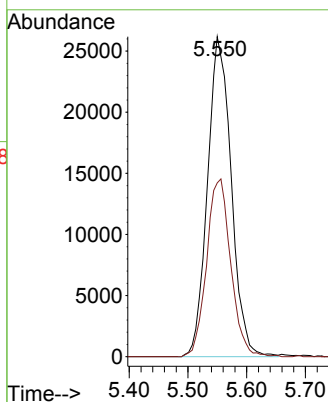
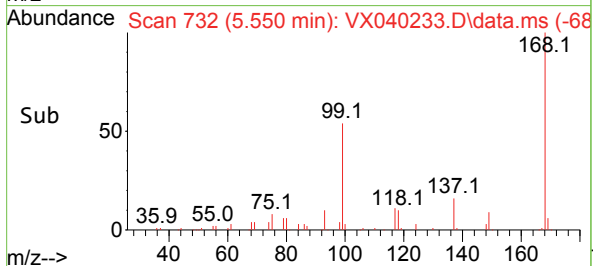


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040233.D
Acq: 14 Feb 2024 20:08

Instrument :
MSVOA_X
ClientSampleId :

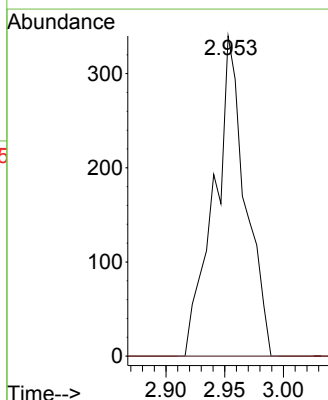
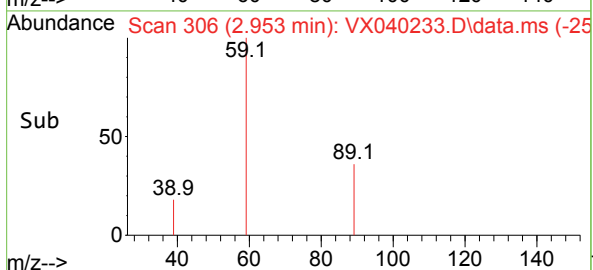
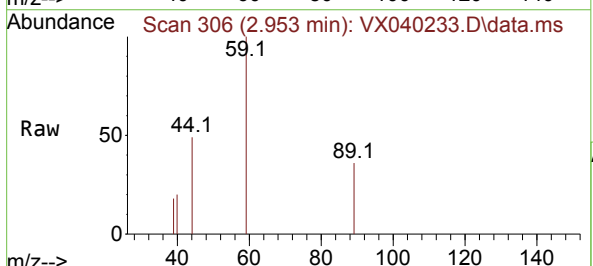


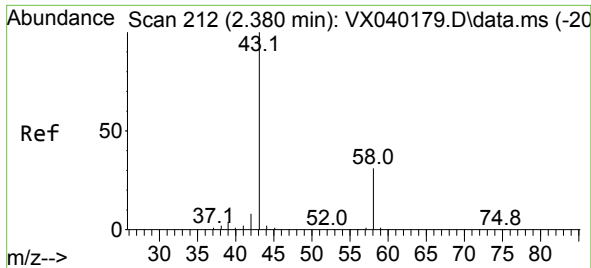
Tgt Ion:168 Resp: 73532
Ion Ratio Lower Upper
168 100
99 54.3 56.6 85.0#



#11
Tert butyl alcohol
Concen: 2.961 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX040233.D
Acq: 14 Feb 2024 20:08

Tgt Ion: 59 Resp: 631
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

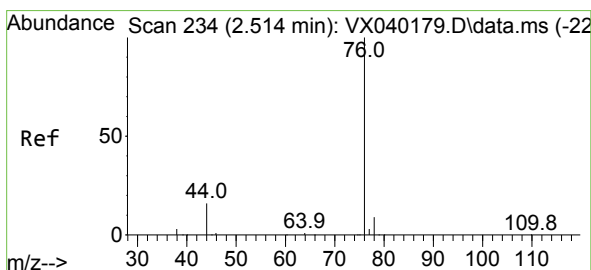
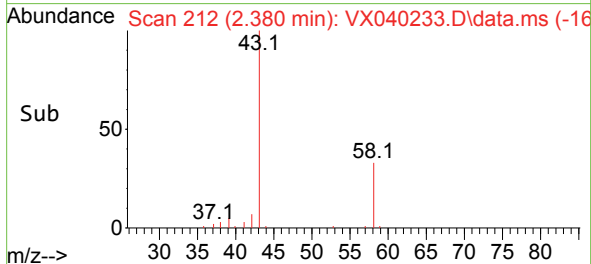
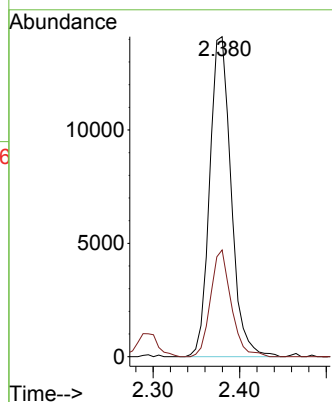
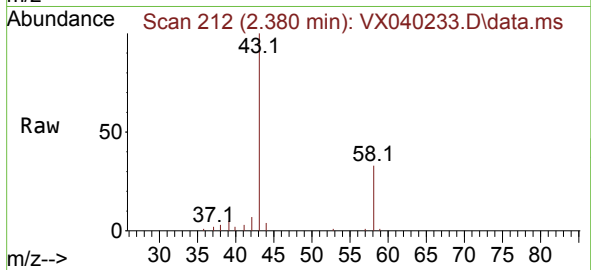




#16
Acetone
Concen: 53.963 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX040233.D
Acq: 14 Feb 2024 20:08

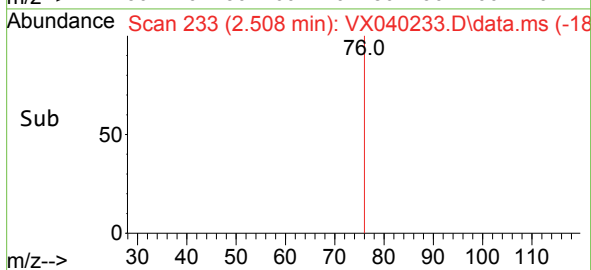
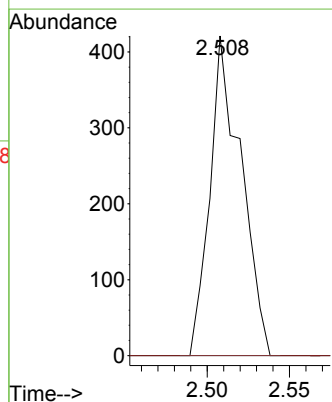
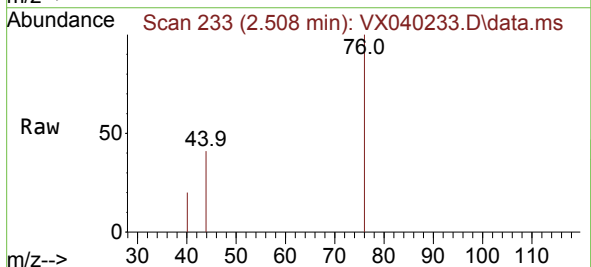
Instrument :
MSVOA_X
ClientSampleId :

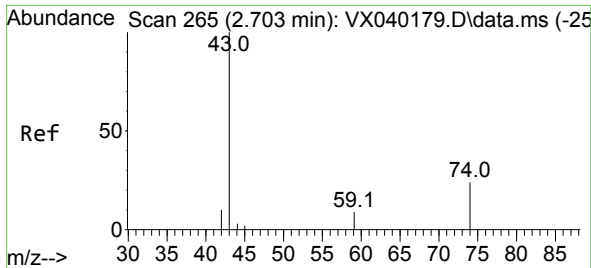
Tgt Ion: 43 Resp: 24245
Ion Ratio Lower Upper
43 100
58 33.3 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.281 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.000 min
Lab File: VX040233.D
Acq: 14 Feb 2024 20:08

Tgt Ion: 76 Resp: 557
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

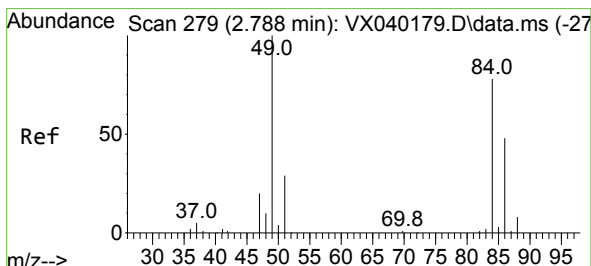
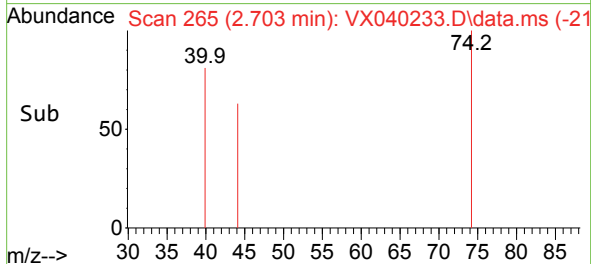
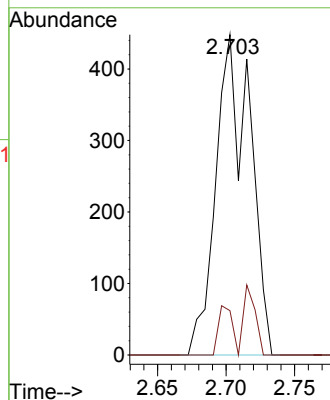
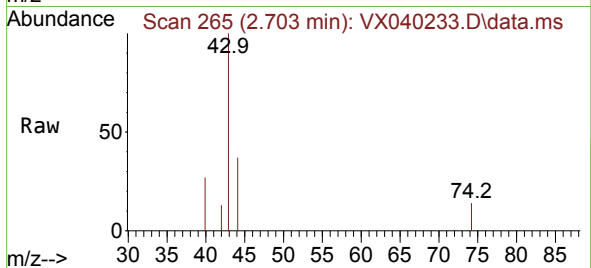




#18
Methyl Acetate
Concen: 0.644 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX040233.D
Acq: 14 Feb 2024 20:08

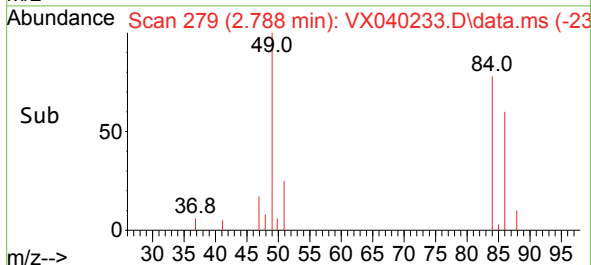
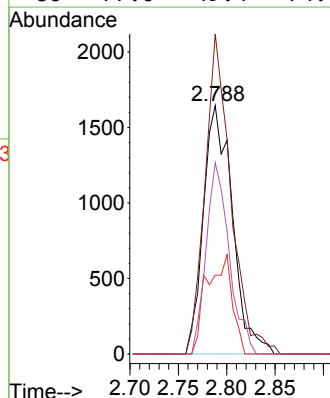
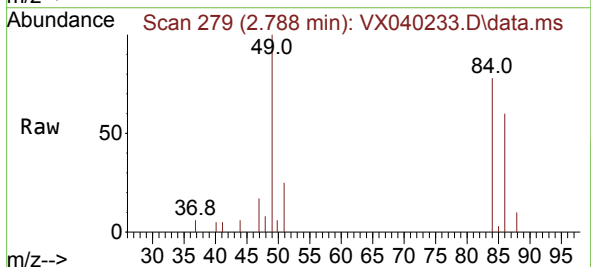
Instrument :
MSVOA_X
ClientSampleId :

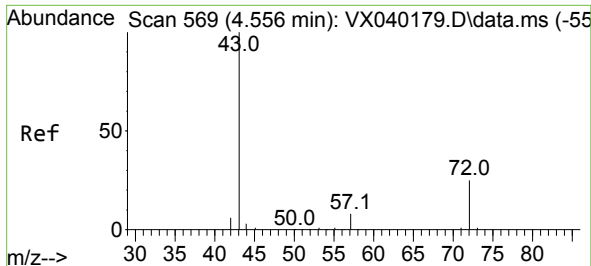
Tgt Ion: 43 Resp: 776
Ion Ratio Lower Upper
43 100
74 6.2 17.8 26.8#



#20
Methylene Chloride
Concen: 2.557 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX040233.D
Acq: 14 Feb 2024 20:08

Tgt Ion: 84 Resp: 3428
Ion Ratio Lower Upper
84 100
49 128.9 103.6 155.4
51 31.7 33.8 50.6#
86 77.0 49.4 74.0#





#25

2-Butanone

Concen: 5.009 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX040233.D

Acq: 14 Feb 2024 20:08

Instrument :

MSVOA_X

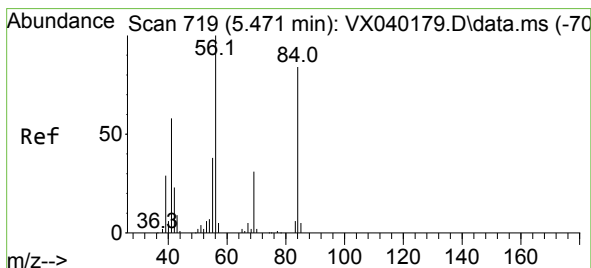
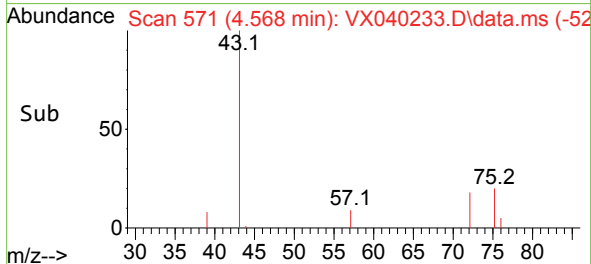
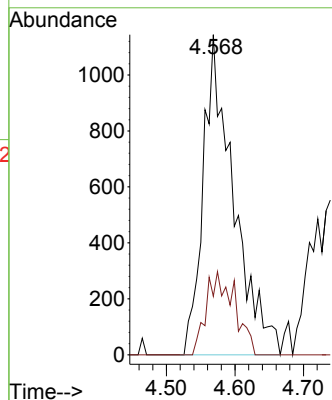
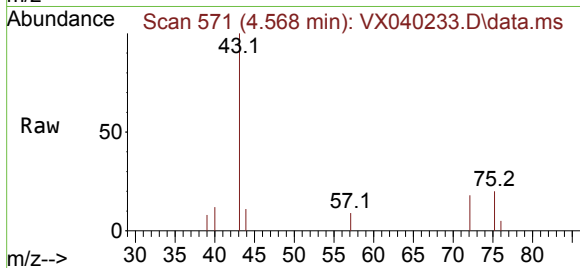
ClientSampleId :

Tgt Ion: 43 Resp: 3518

Ion Ratio Lower Upper

43 100

72 18.3 19.4 29.2#



#31

Cyclohexane

Concen: 1.329 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX040233.D

Acq: 14 Feb 2024 20:08

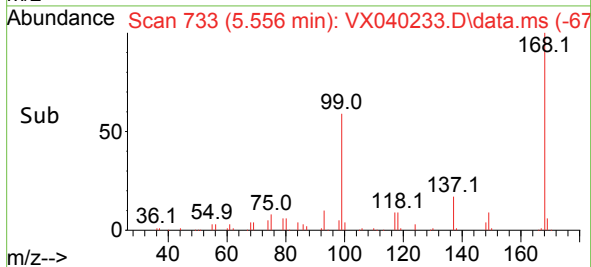
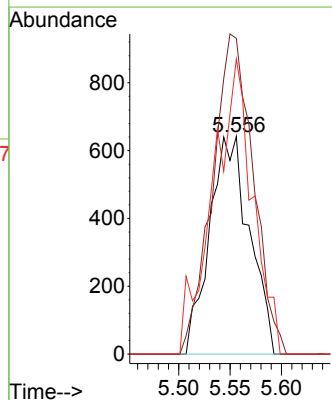
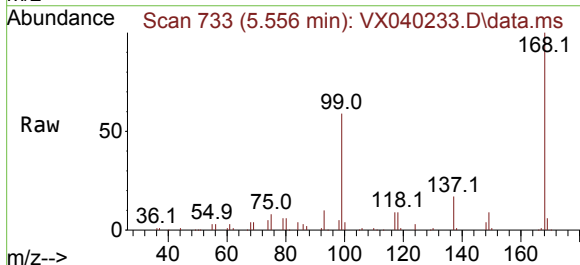
Tgt Ion: 56 Resp: 1734

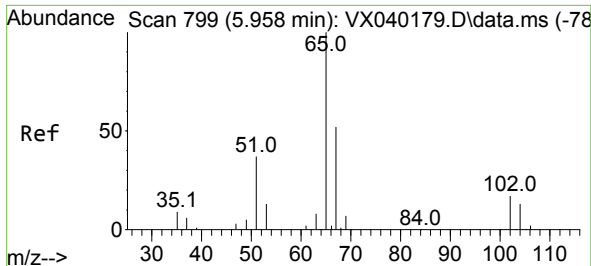
Ion Ratio Lower Upper

56 100

69 145.0 23.4 35.2#

84 135.5 65.9 98.9#

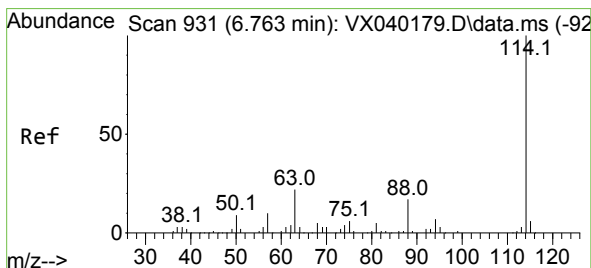
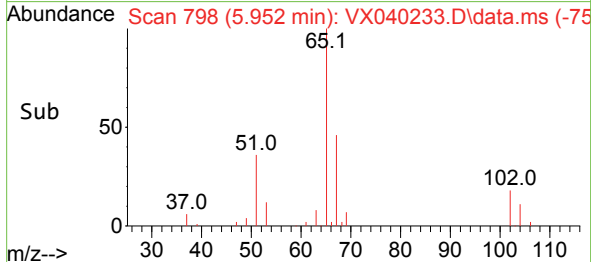
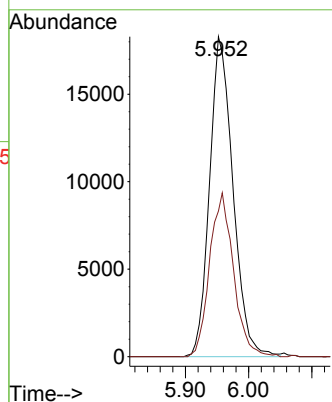
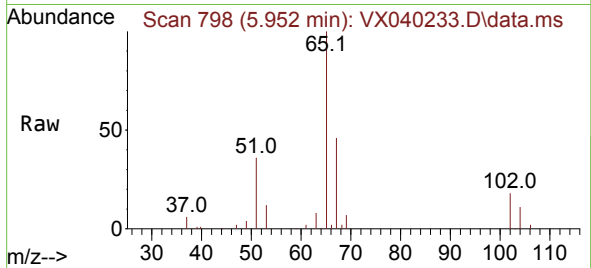




#33
1,2-Dichloroethane-d4
Concen: 43.019 ug/l
RT: 5.952 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX040233.D
Acq: 14 Feb 2024 20:08

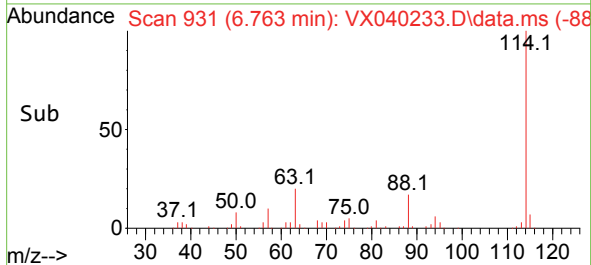
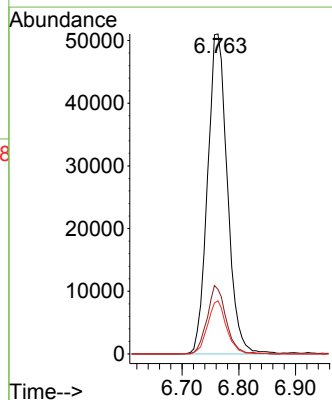
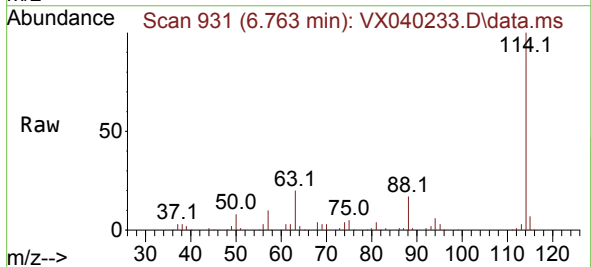
Instrument :
MSVOA_X
ClientSampleId :

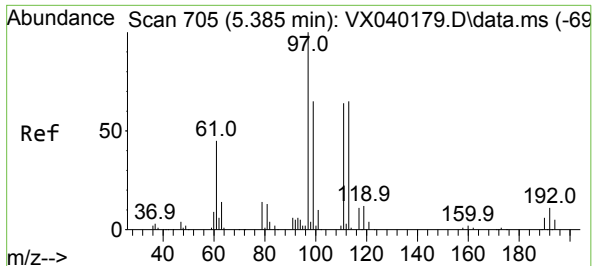
Tgt Ion: 65 Resp: 47060
Ion Ratio Lower Upper
65 100
67 52.1 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX040233.D
Acq: 14 Feb 2024 20:08

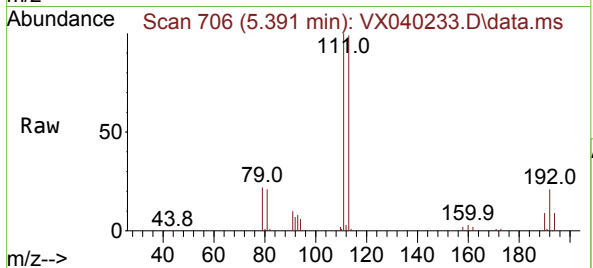
Tgt Ion: 114 Resp: 123799
Ion Ratio Lower Upper
114 100
63 20.2 0.0 45.0
88 16.6 0.0 36.6



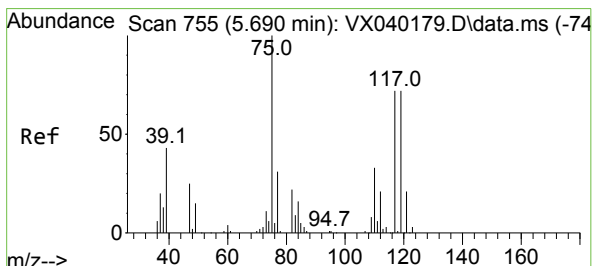
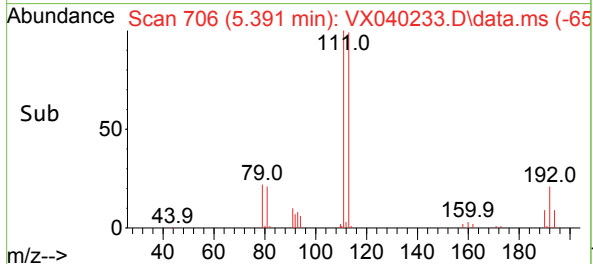
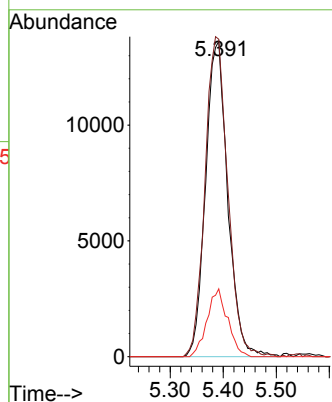


#35
Dibromofluoromethane
Concen: 45.732 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX040233.D
Acq: 14 Feb 2024 20:08

Instrument :
MSVOA_X
ClientSampleId :

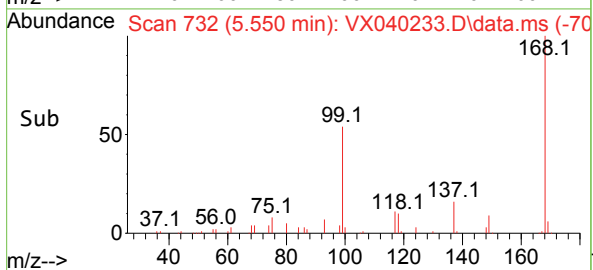
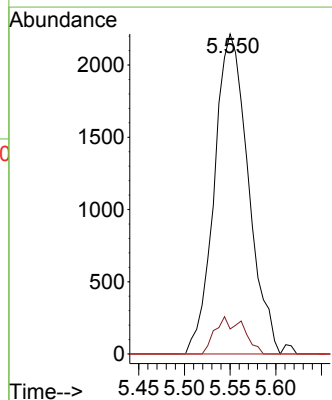
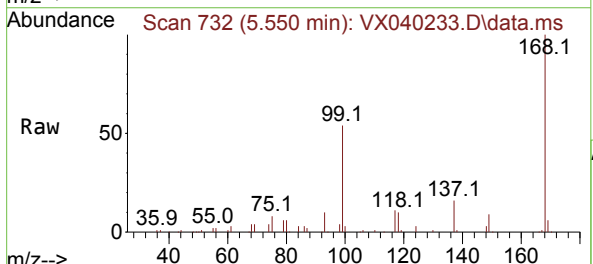


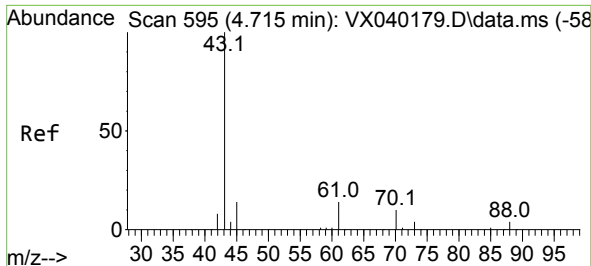
Tgt Ion:113 Resp: 39537
Ion Ratio Lower Upper
113 100
111 104.0 82.9 124.3
192 20.0 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.733 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX040233.D
Acq: 14 Feb 2024 20:08

Tgt Ion: 75 Resp: 5732
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.460 ug/l

RT: 4.739 min Scan# 595

Delta R.T. 0.019 min

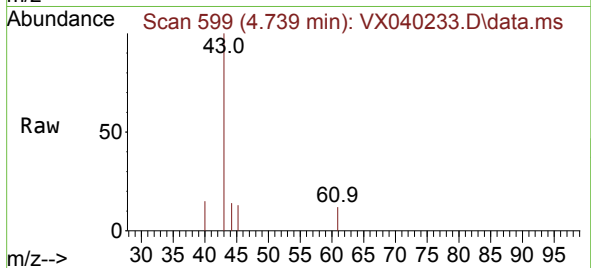
Lab File: VX040233.D

Acq: 14 Feb 2024 20:08

Instrument :

MSVOA_X

ClientSampleId :



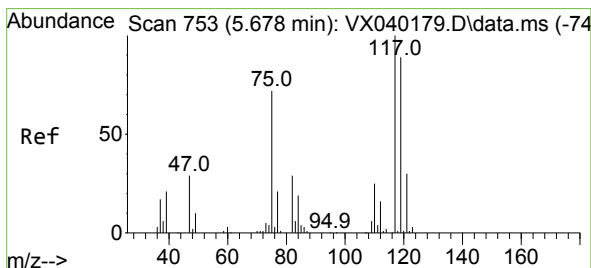
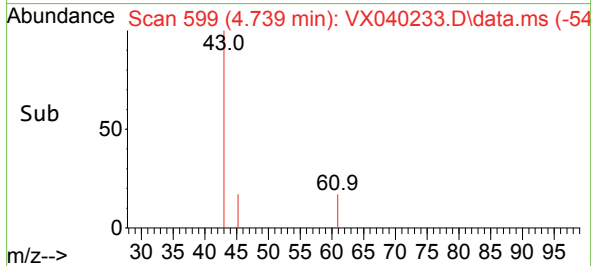
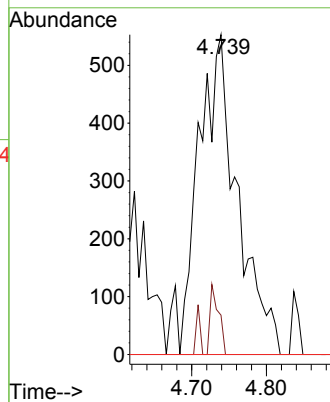
Tgt Ion: 43 Resp: 1967

Ion Ratio Lower Upper

43 100

61 5.0 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.420 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX040233.D

Acq: 14 Feb 2024 20:08

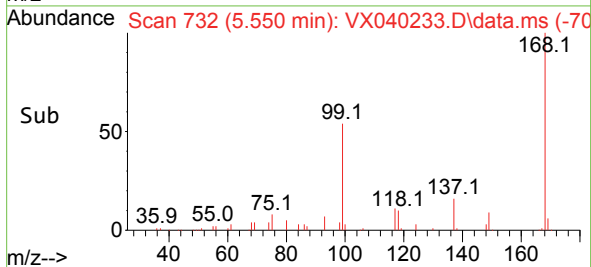
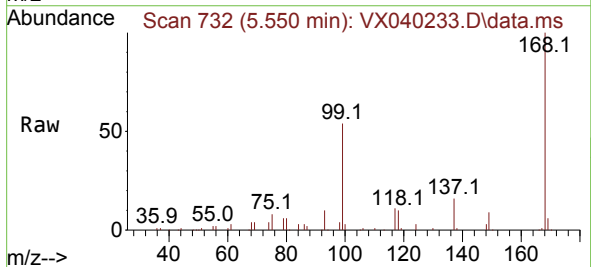
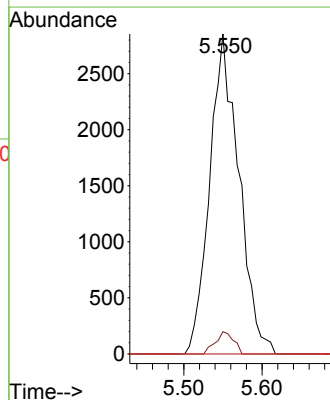
Tgt Ion: 117 Resp: 7393

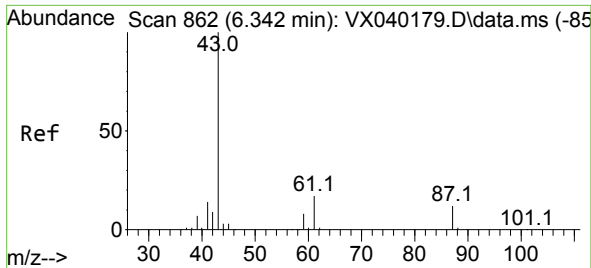
Ion Ratio Lower Upper

117 100

119 6.9 78.2 117.2#

121 0.0 24.4 36.6#

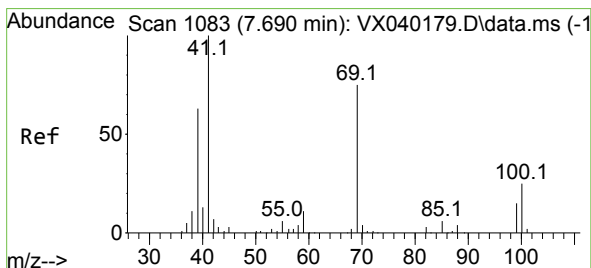
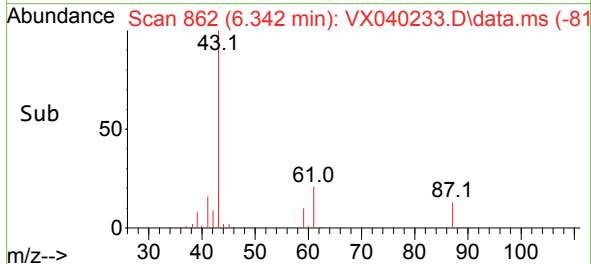
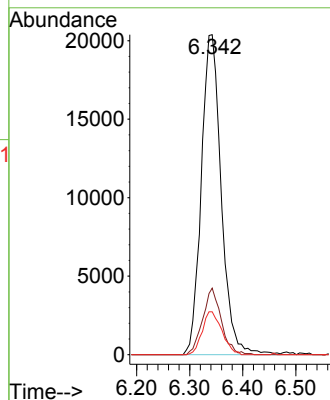
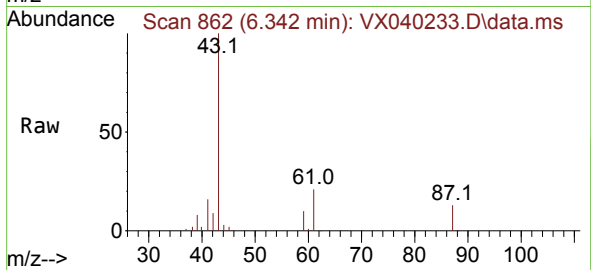




#43
Isopropyl Acetate
Concen: 25.299 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX040233.D
Acq: 14 Feb 2024 20:08

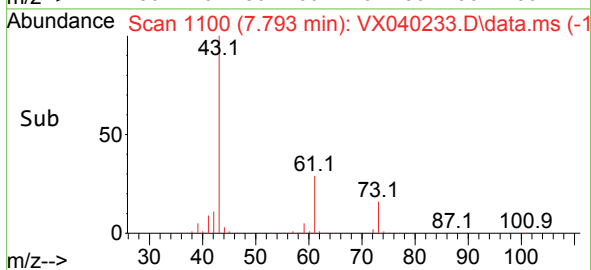
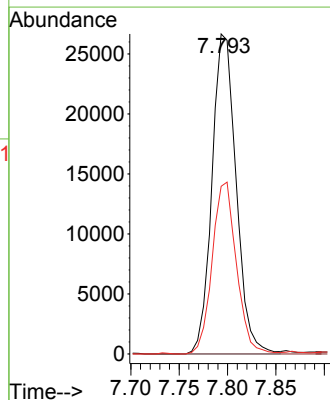
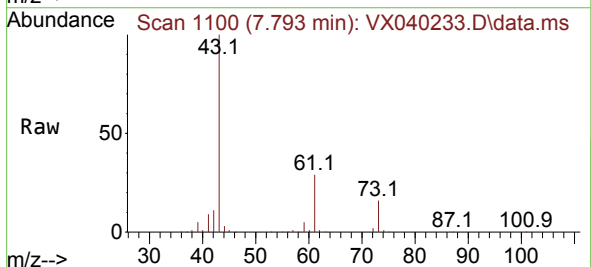
Instrument :
MSVOA_X
ClientSampleId :

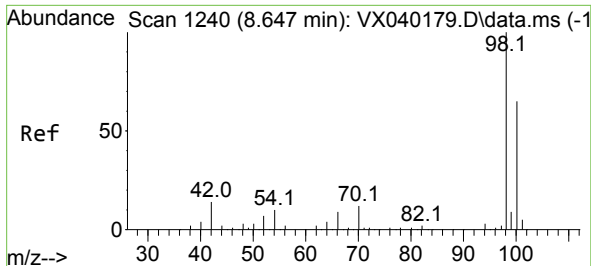
Tgt Ion: 43 Resp: 53219
Ion Ratio Lower Upper
43 100
61 19.4 15.2 22.8
87 13.3 9.8 14.6



#48
Methyl methacrylate
Concen: 43.061 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.098 min
Lab File: VX040233.D
Acq: 14 Feb 2024 20:08

Tgt Ion: 41 Resp: 46350
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 53.8 47.7 71.5

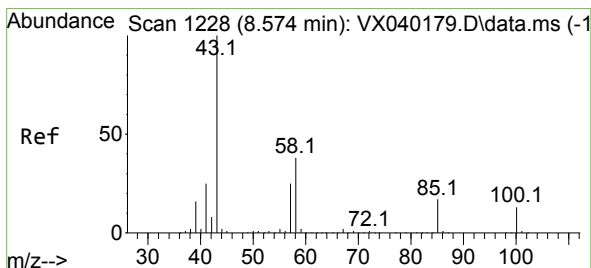
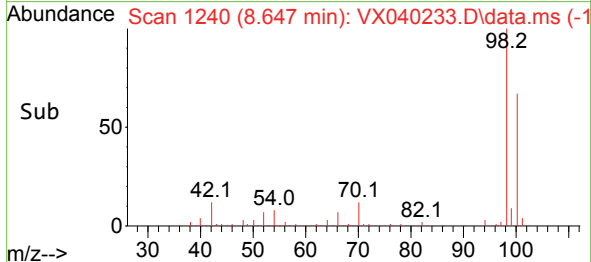
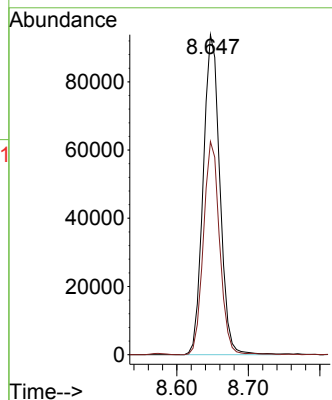
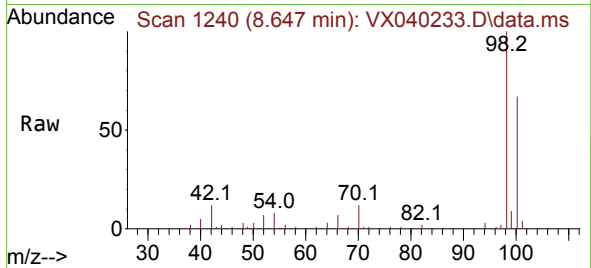




#50
Toluene-d8
Concen: 46.859 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX040233.D
Acq: 14 Feb 2024 20:08

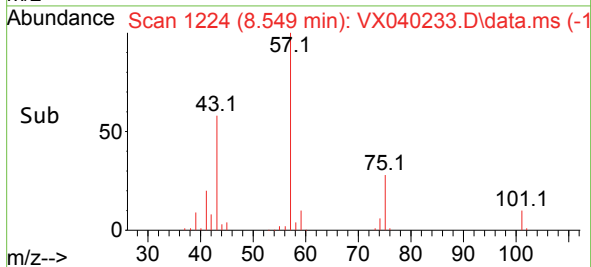
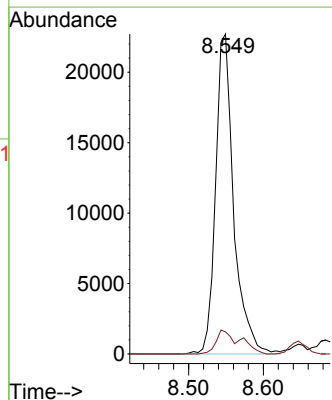
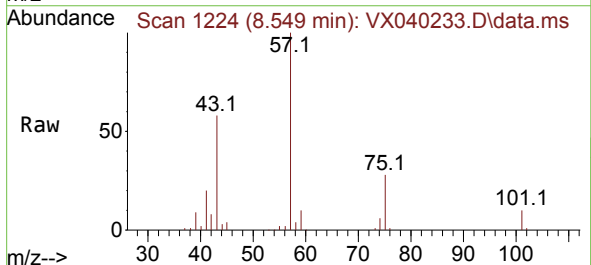
Instrument :
MSVOA_X
ClientSampleId :

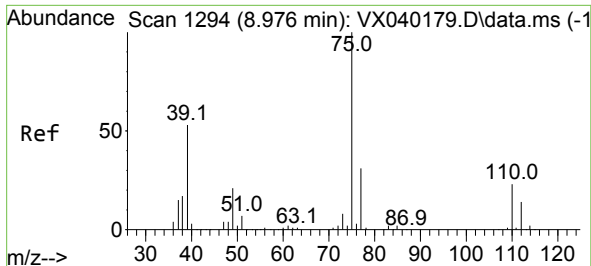
Tgt Ion: 98 Resp: 151541
Ion Ratio Lower Upper
98 100
100 65.0 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 26.643 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX040233.D
Acq: 14 Feb 2024 20:08

Tgt Ion: 43 Resp: 38265
Ion Ratio Lower Upper
43 100
58 6.4 30.4 45.6#

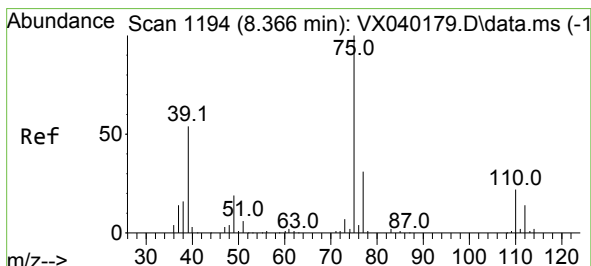
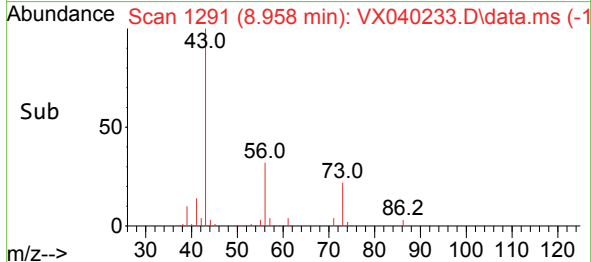
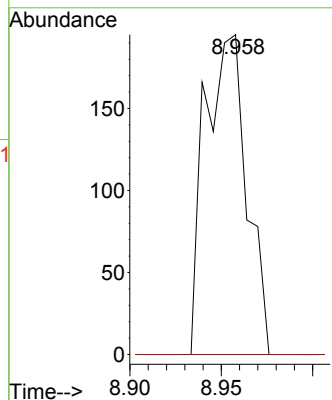
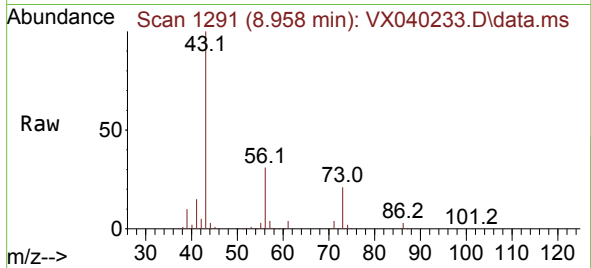




#53
t-1,3-Dichloropropene
Concen: 2.156 ug/l
RT: 8.958 min Scan# 1124
Delta R.T. -0.018 min
Lab File: VX040233.D
Acq: 14 Feb 2024 20:08

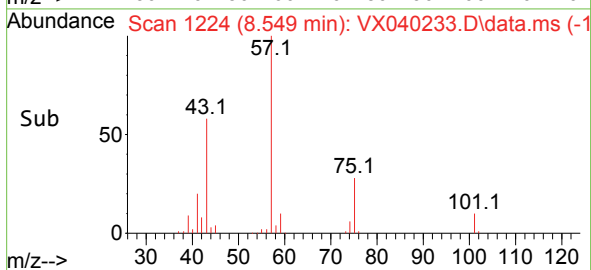
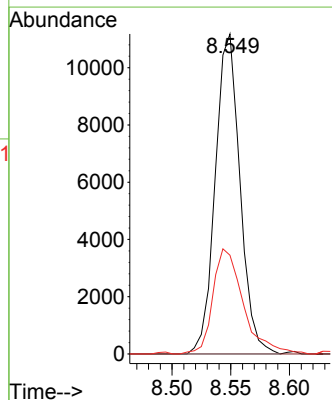
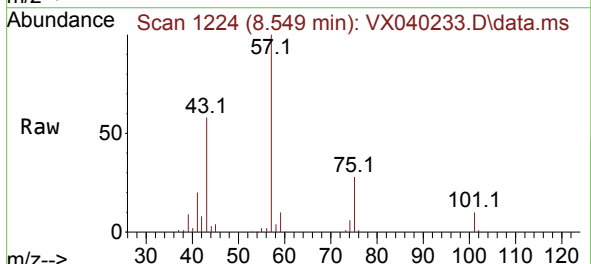
Instrument :
MSVOA_X
ClientSampleId :

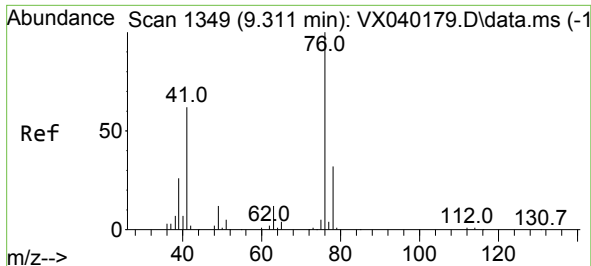
Tgt Ion: 75 Resp: 310
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#



#54
cis-1,3-Dichloropropene
Concen: 11.684 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX040233.D
Acq: 14 Feb 2024 20:08

Tgt Ion: 75 Resp: 16381
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 30.9 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.403 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX040233.D

Acq: 14 Feb 2024 20:08

Instrument :

MSVOA_X

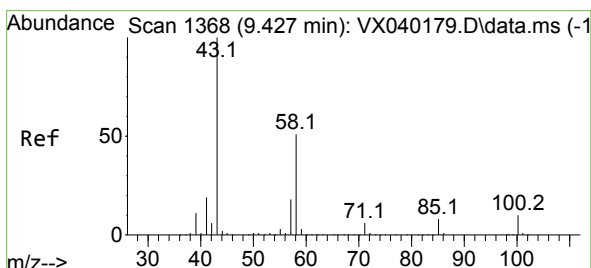
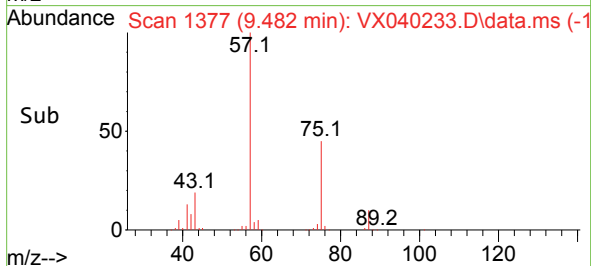
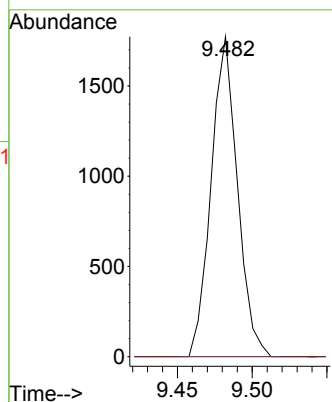
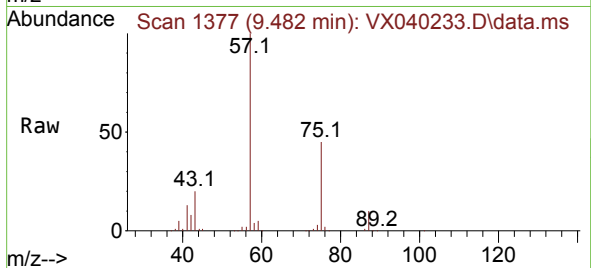
ClientSampleId :

Tgt Ion: 76 Resp: 2167

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 25.831 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX040233.D

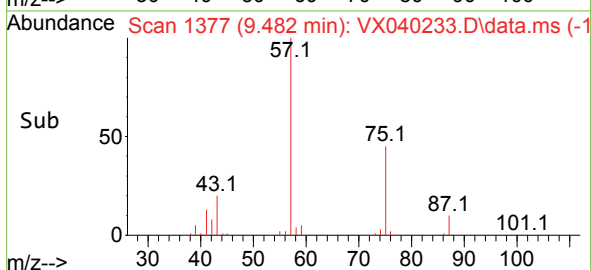
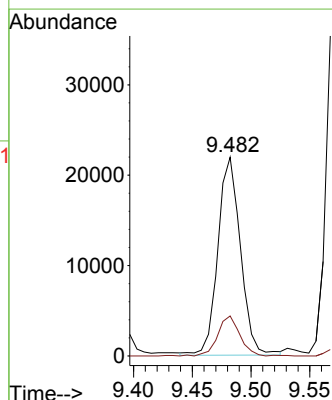
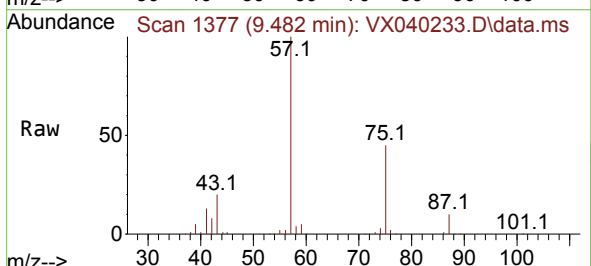
Acq: 14 Feb 2024 20:08

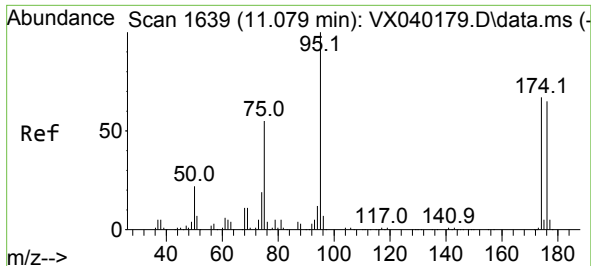
Tgt Ion: 43 Resp: 29414

Ion Ratio Lower Upper

43 100

58 19.7 26.2 78.5#

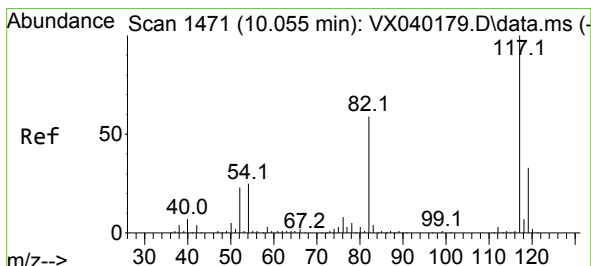
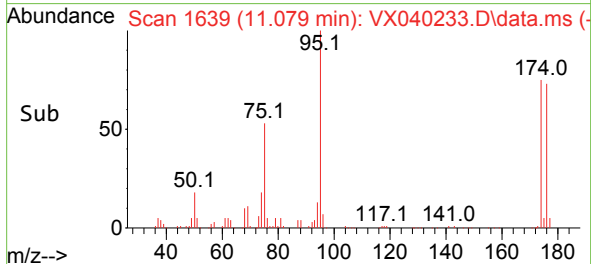
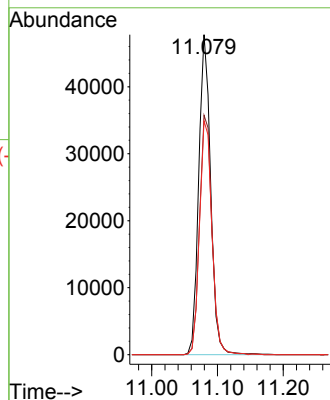
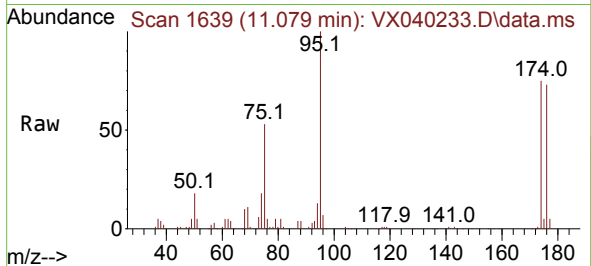




#62
4-Bromofluorobenzene
Concen: 45.576 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040233.D
Acq: 14 Feb 2024 20:08

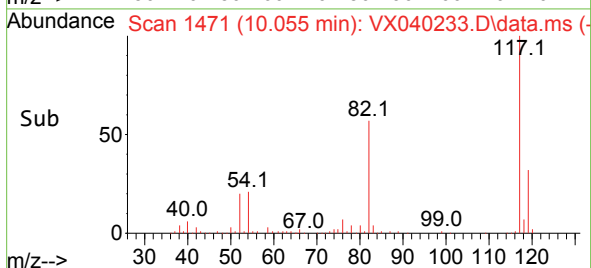
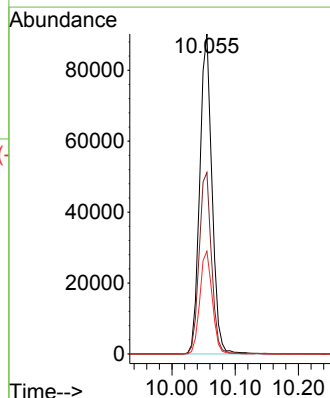
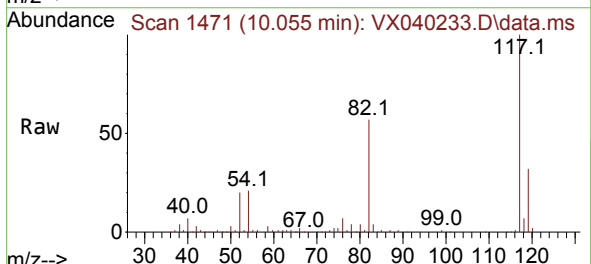
Instrument :
MSVOA_X
ClientSampleId :

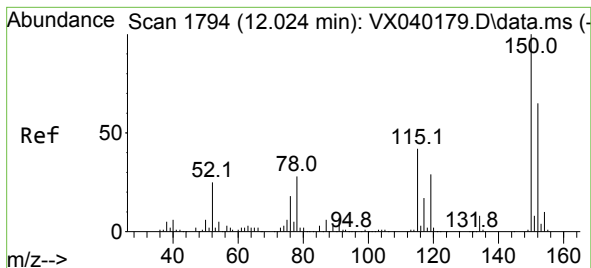
Tgt Ion: 95 Resp: 60113
Ion Ratio Lower Upper
95 100
174 78.1 0.0 135.6
176 76.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040233.D
Acq: 14 Feb 2024 20:08

Tgt Ion: 117 Resp: 121672
Ion Ratio Lower Upper
117 100
82 56.7 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# 1

Delta R.T. 0.000 min

Lab File: VX040233.D

Acq: 14 Feb 2024 20:08

Instrument :

MSVOA_X

ClientSampleId :

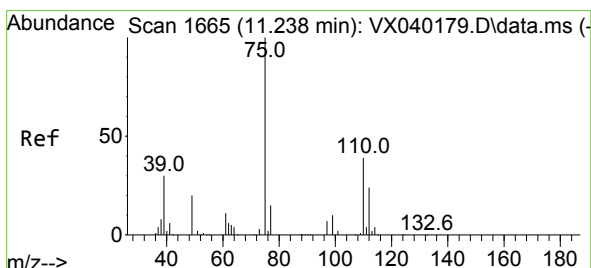
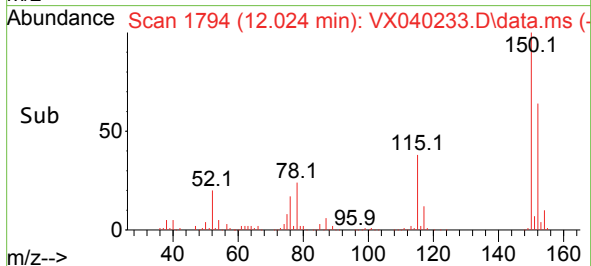
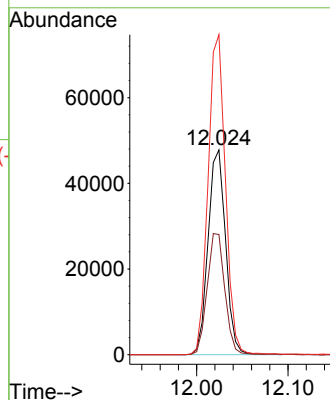
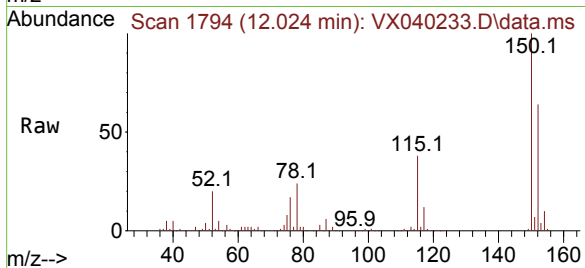
Tgt Ion:152 Resp: 63642

Ion Ratio Lower Upper

152 100

115 59.5 43.3 129.9

150 154.5 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 24.345 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX040233.D

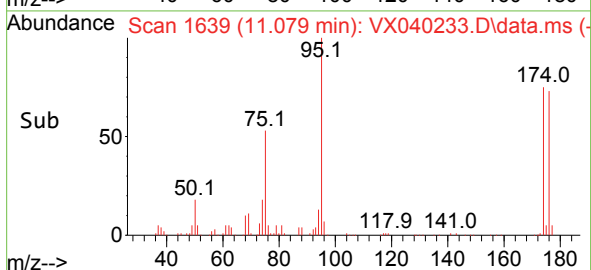
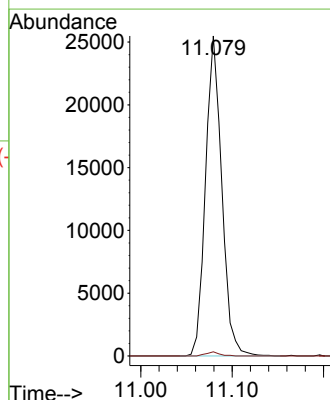
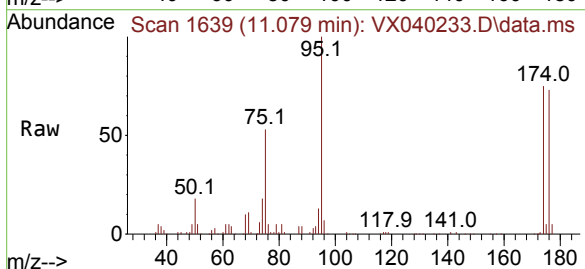
Acq: 14 Feb 2024 20:08

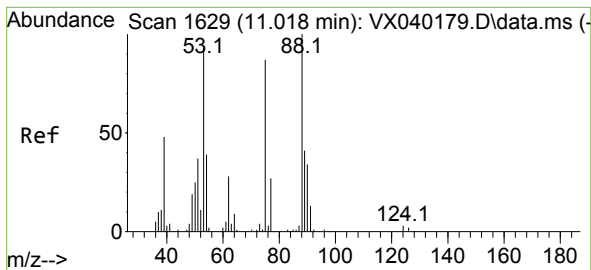
Tgt Ion: 75 Resp: 31375

Ion Ratio Lower Upper

75 100

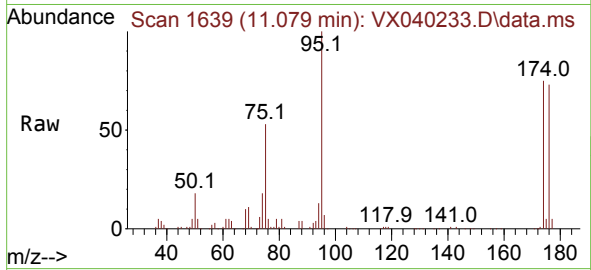
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.059 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX040233.D
 Acq: 14 Feb 2024 20:08

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 31375
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

