

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062124\
 Data File : VX041978.D
 Acq On : 21 Jun 2024 14:00
 Operator : JC/MD
 Sample : P3003-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 22 04:41:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

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

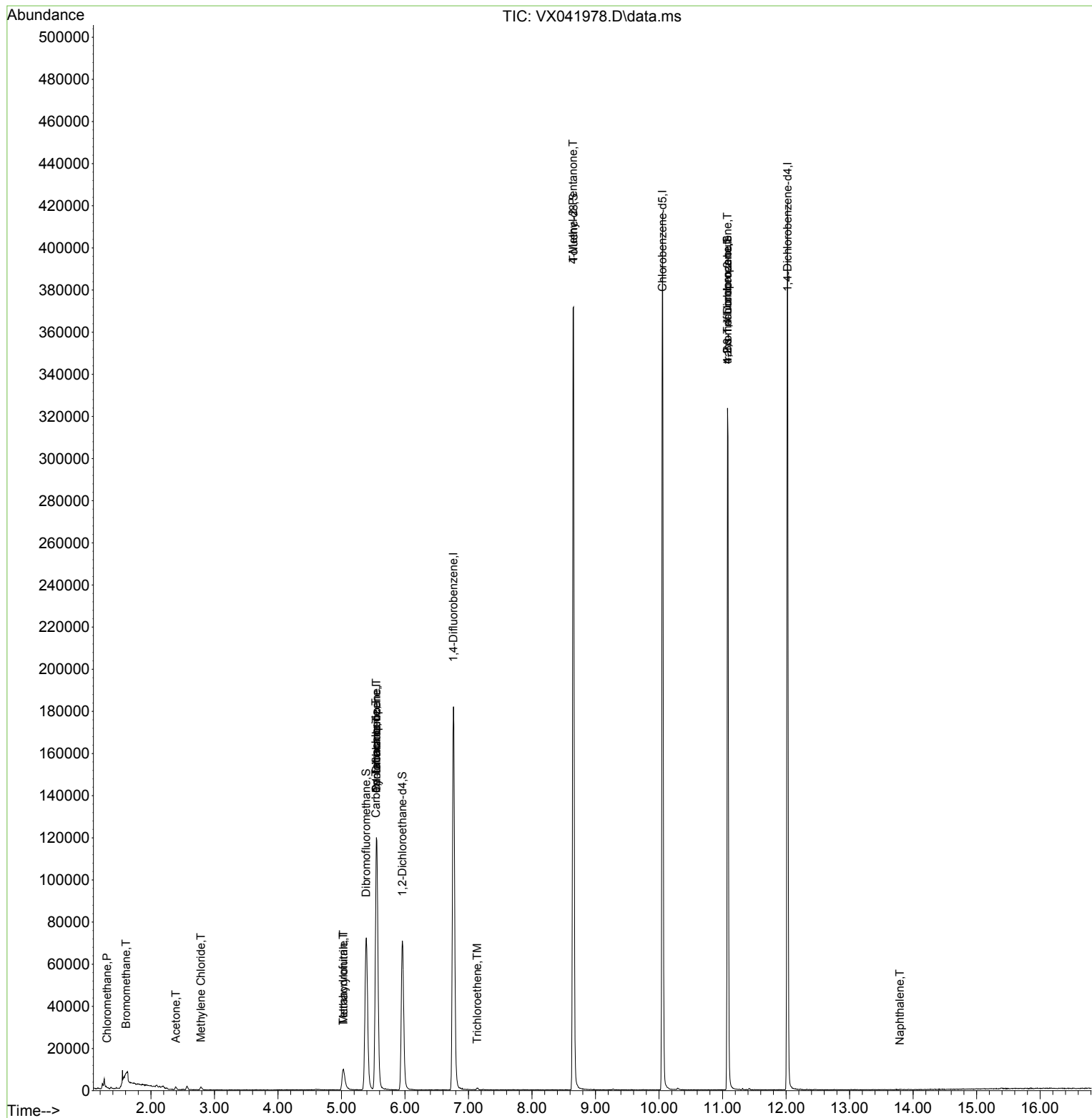
Internal Standards						
1) Pentafluorobenzene	5.550	168	133321	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	203177	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	203608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99580	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	69118	44.959	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.920%
35) Dibromofluoromethane	5.385	113	65105	45.160	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.320%
50) Toluene-d8	8.653	98	240991	47.583	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.160%
62) 4-Bromofluorobenzene	11.079	95	88418	47.360	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.720%
Target Compounds						
						Qvalue
3) Chloromethane	1.307	50	537	0.421	ug/l	# 87
5) Bromomethane	1.605	94	308	0.488	ug/l	# 65
6) Chloroethane	1.654	64	805	Below Cal		# 43
16) Acetone	2.392	43	1470	2.178	ug/l	99
20) Methylene Chloride	2.788	84	862	0.583	ug/l	# 82
29) Tetrahydrofuran	5.025	42	10580	15.599	ug/l	99
31) Cyclohexane	5.550	56	1998	1.111	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	7808	5.100	ug/l	# 51
38) Carbon Tetrachloride	5.544	117	11328	6.697	ug/l	# 15
41) Methacrylonitrile	5.032	41	5992	5.543	ug/l	# 47
44) Trichloroethene	7.135	130	435	0.314	ug/l	69
51) 4-Methyl-2-Pentanone	8.647	43	975	0.462	ug/l	# 1
76) 1,2,3-Trichloropropane	11.079	75	40802	22.570	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	40802	64.097	ug/l	# 5
95) Naphthalene	13.792	128	283	0.787	ug/l	# 69

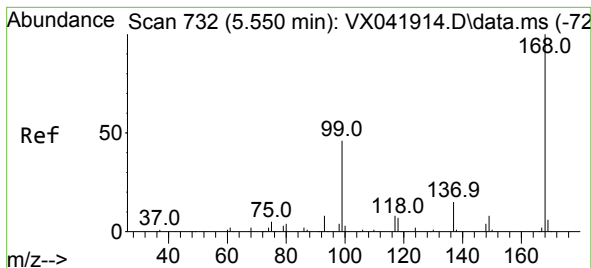
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX041978.D

Acq: 21 Jun 2024 14:00

Instrument :

MSVOA_X

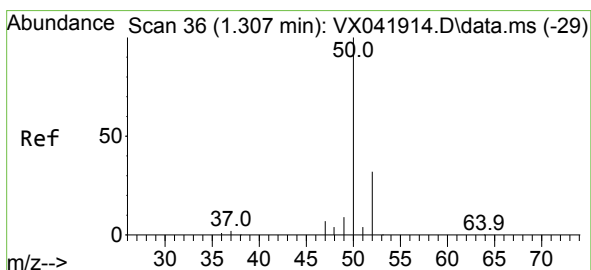
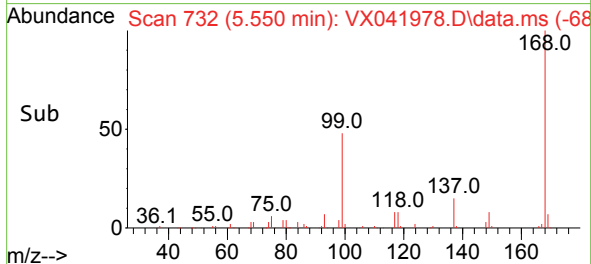
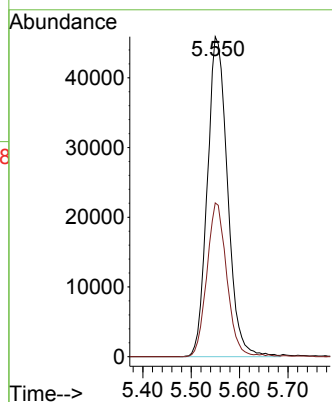
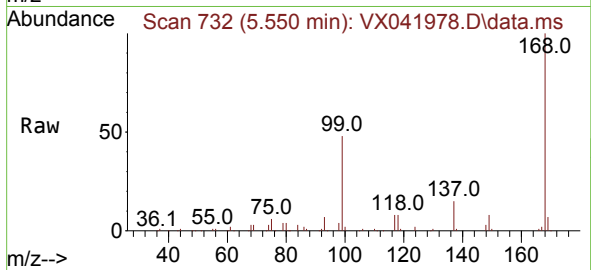
ClientSampleId :

Tgt Ion:168 Resp: 133321

Ion Ratio Lower Upper

168 100

99 48.1 56.6 85.0#



#3

Chloromethane

Concen: 0.421 ug/l

RT: 1.307 min Scan# 36

Delta R.T. 0.000 min

Lab File: VX041978.D

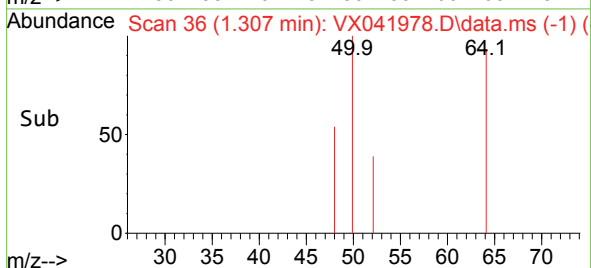
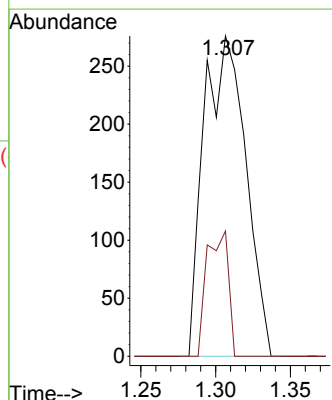
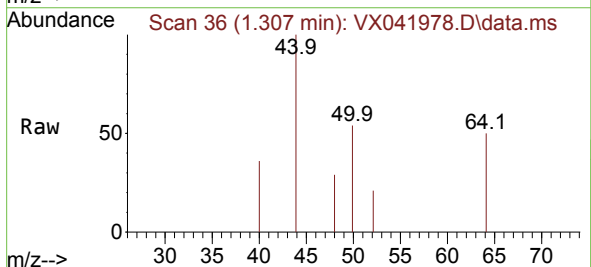
Acq: 21 Jun 2024 14:00

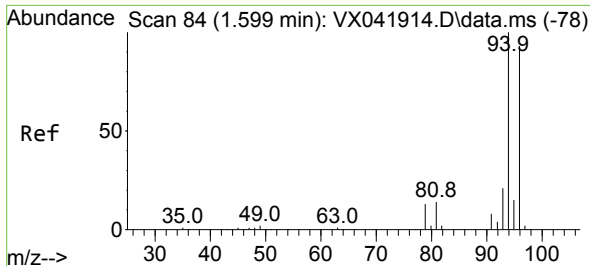
Tgt Ion: 50 Resp: 537

Ion Ratio Lower Upper

50 100

52 39.1 25.5 38.3#

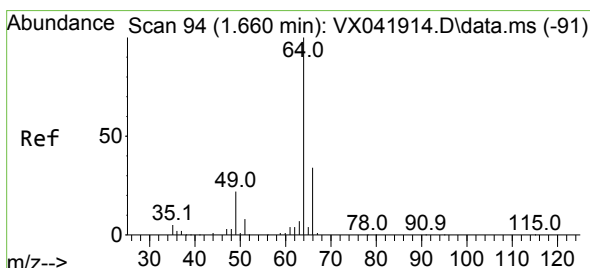
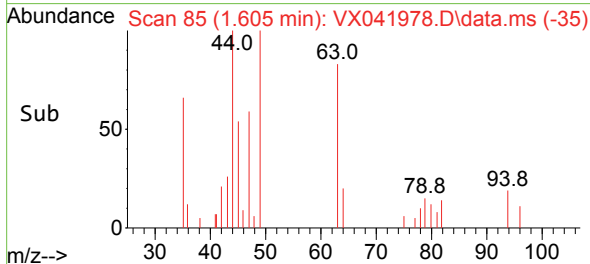
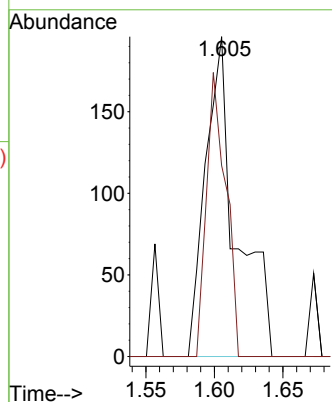
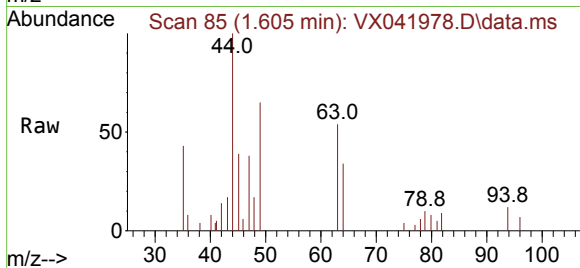




#5
Bromomethane
Concen: 0.488 ug/l
RT: 1.605 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX041978.D
Acq: 21 Jun 2024 14:00

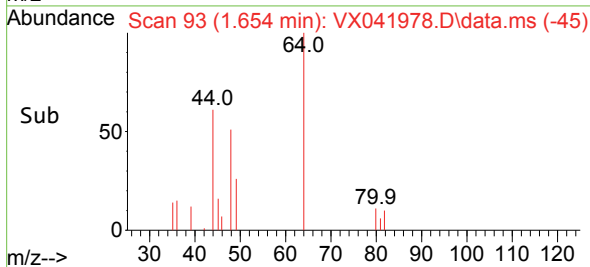
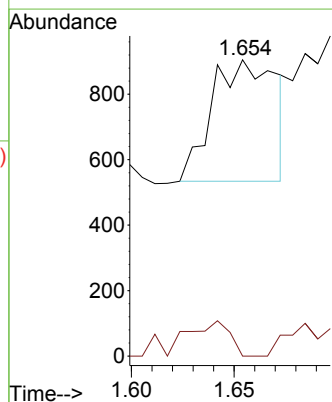
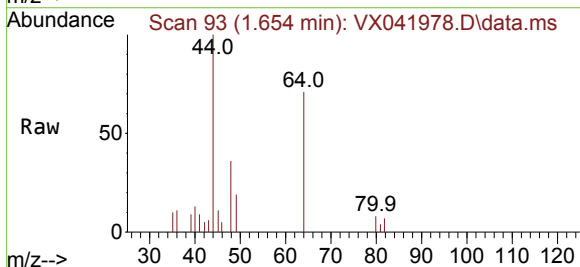
Instrument :
MSVOA_X
ClientSampleId :

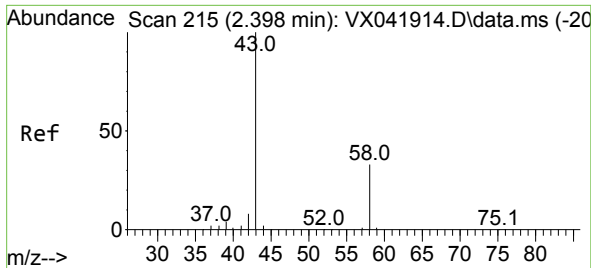
Tgt Ion: 94 Resp: 308
Ion Ratio Lower Upper
94 100
96 59.7 74.6 111.8#



#6
Chloroethane
Concen: Below Cal
RT: 1.654 min Scan# 93
Delta R.T. -0.006 min
Lab File: VX041978.D
Acq: 21 Jun 2024 14:00

Tgt Ion: 64 Resp: 805
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

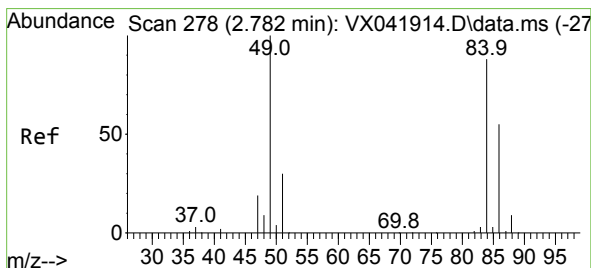
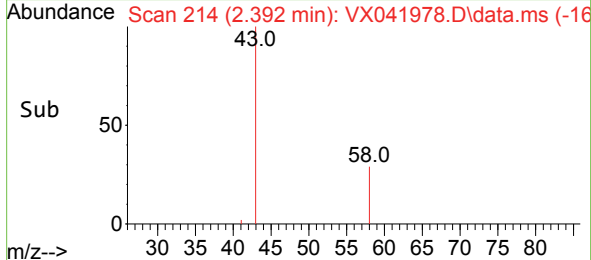
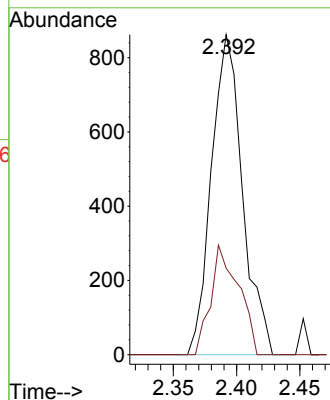
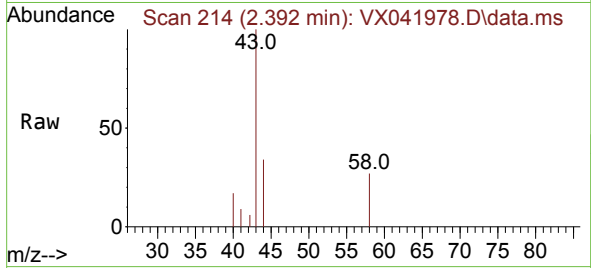




#16
Acetone
Concen: 2.178 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX041978.D
Acq: 21 Jun 2024 14:00

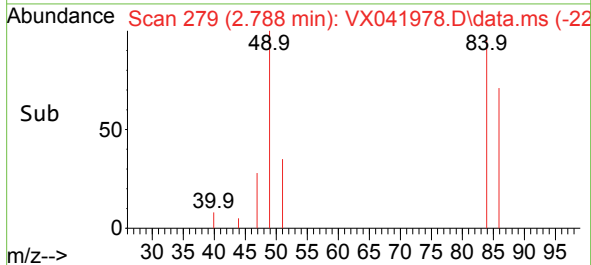
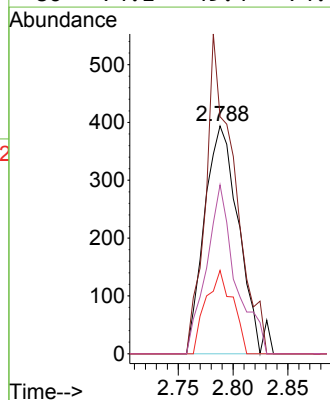
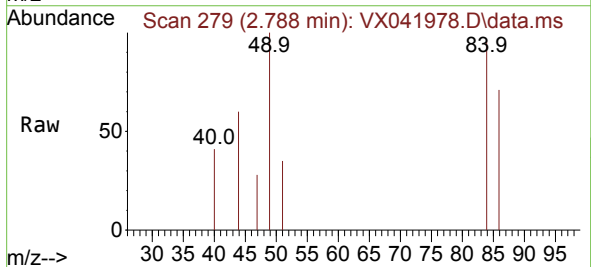
Instrument :
MSVOA_X
ClientSampleId :

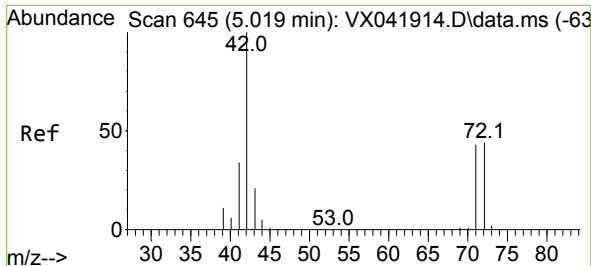
Tgt Ion: 43 Resp: 1470
Ion Ratio Lower Upper
43 100
58 27.0 21.9 32.9



#20
Methylene Chloride
Concen: 0.583 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX041978.D
Acq: 21 Jun 2024 14:00

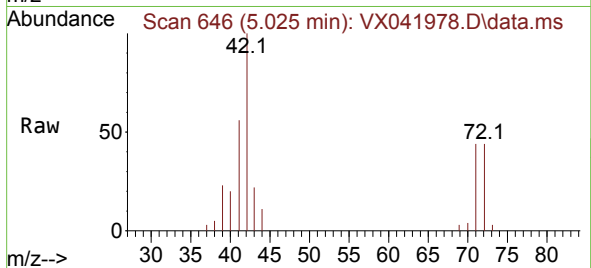
Tgt Ion: 84 Resp: 862
Ion Ratio Lower Upper
84 100
49 104.1 103.6 155.4
51 36.5 33.8 50.6
86 74.1 49.4 74.0#



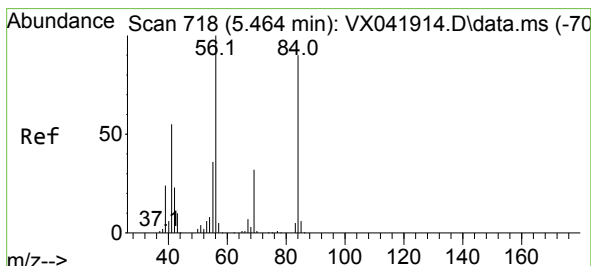
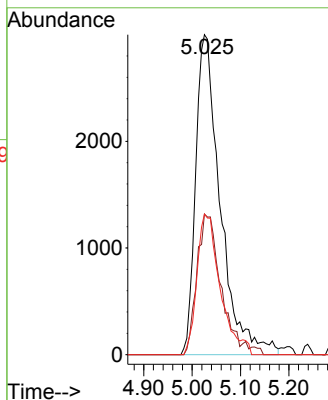
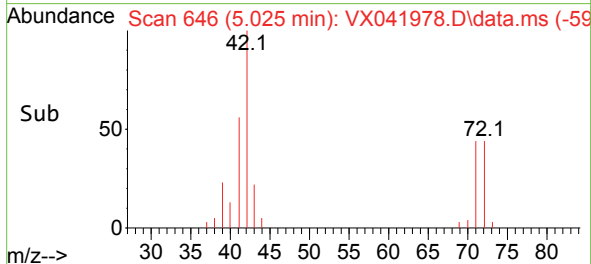


#29
Tetrahydrofuran
Concen: 15.599 ug/l
RT: 5.025 min Scan# 645
Delta R.T. 0.006 min
Lab File: VX041978.D
Acq: 21 Jun 2024 14:00

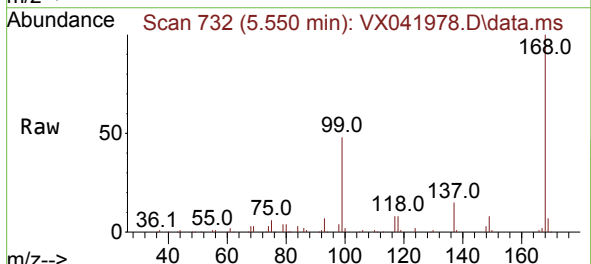
Instrument :
MSVOA_X
ClientSampleId :



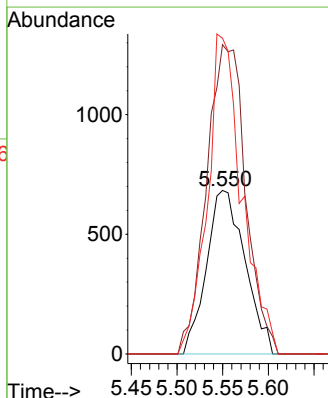
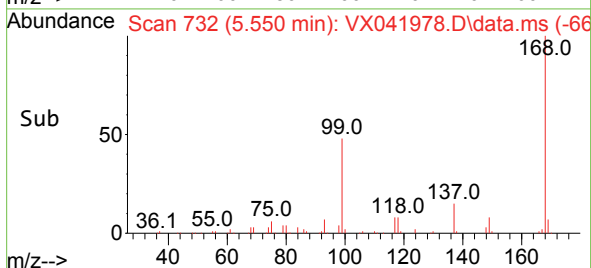
Tgt Ion: 42 Resp: 10580
Ion Ratio Lower Upper
42 100
72 42.9 34.2 51.4
71 41.6 32.2 48.2

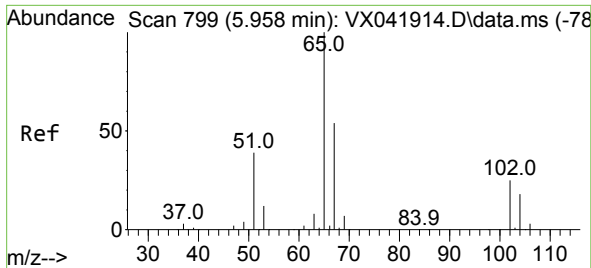


#31
Cyclohexane
Concen: 1.111 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX041978.D
Acq: 21 Jun 2024 14:00



Tgt Ion: 56 Resp: 1998
Ion Ratio Lower Upper
56 100
69 189.2 23.4 35.2#
84 193.1 65.9 98.9#

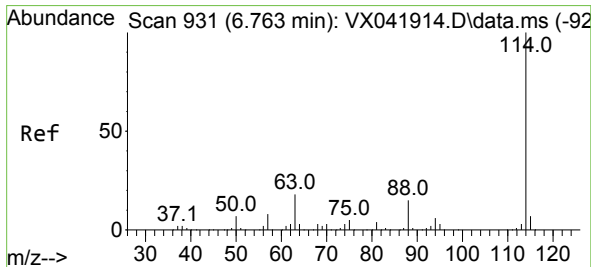
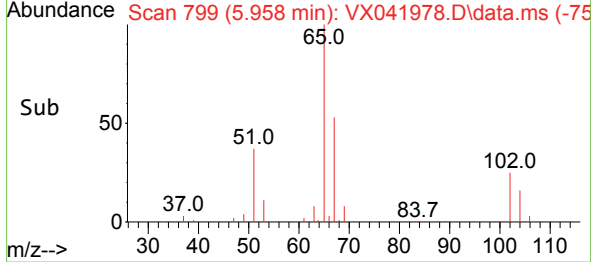
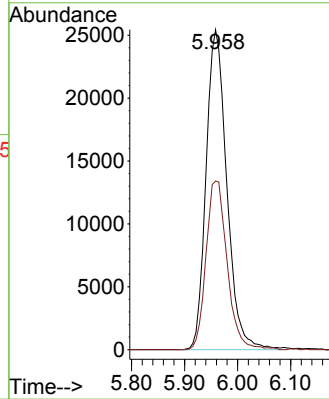
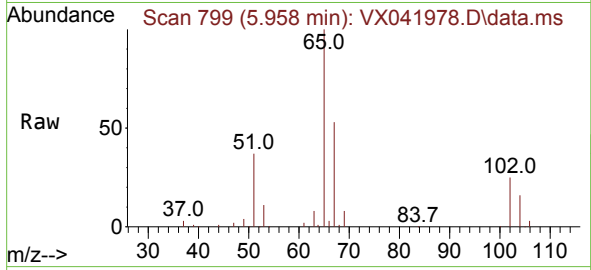




#33
1,2-Dichloroethane-d4
Concen: 44.959 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX041978.D
Acq: 21 Jun 2024 14:00

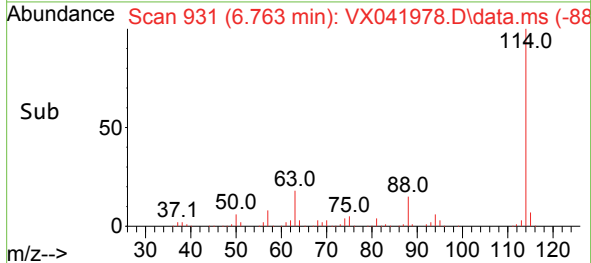
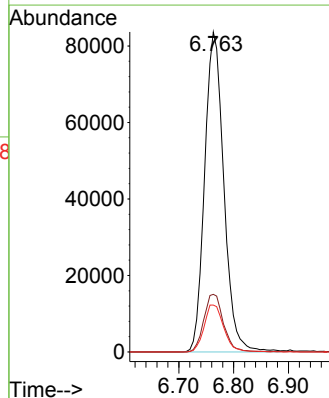
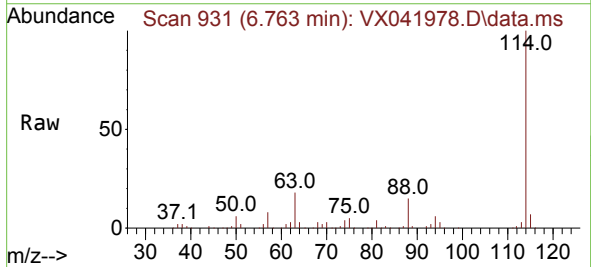
Instrument :
MSVOA_X
ClientSampleId :

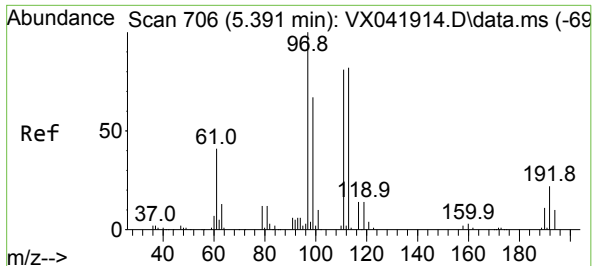
Tgt Ion: 65 Resp: 69118
Ion Ratio Lower Upper
65 100
67 53.7 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX041978.D
Acq: 21 Jun 2024 14:00

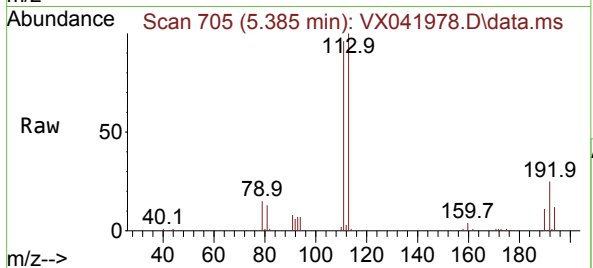
Tgt Ion:114 Resp: 203177
Ion Ratio Lower Upper
114 100
63 18.0 0.0 45.0
88 14.6 0.0 36.6



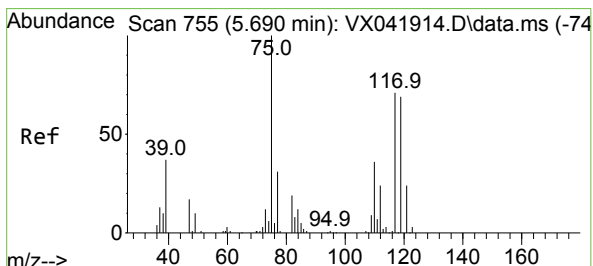
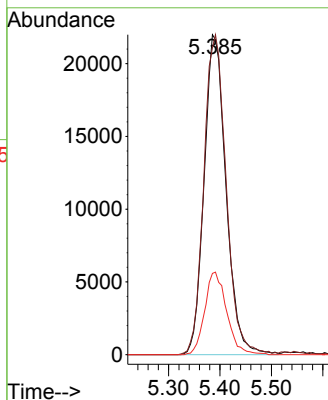
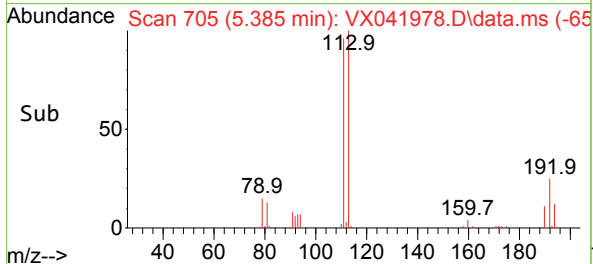


#35
Dibromofluoromethane
Concen: 45.160 ug/l
RT: 5.385 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX041978.D
Acq: 21 Jun 2024 14:00

Instrument :
MSVOA_X
ClientSampleId :

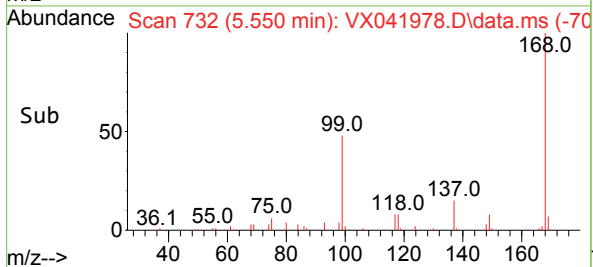
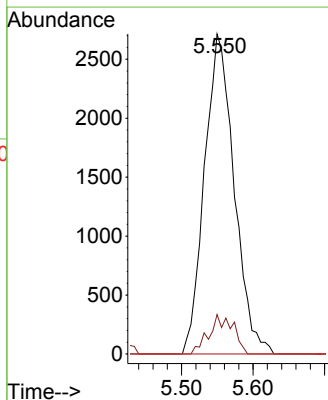
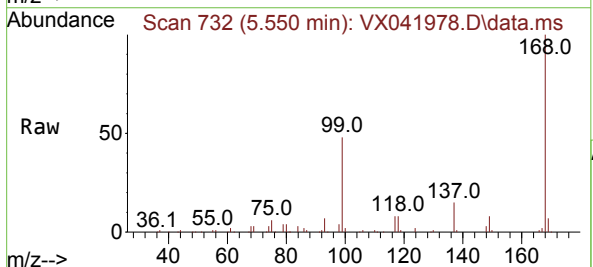


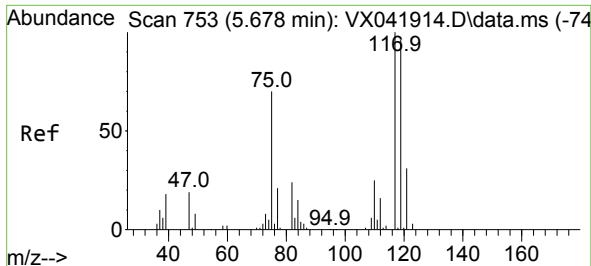
Tgt Ion:113 Resp: 65105
Ion Ratio Lower Upper
113 100
111 102.2 82.9 124.3
192 25.9 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 5.100 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX041978.D
Acq: 21 Jun 2024 14:00

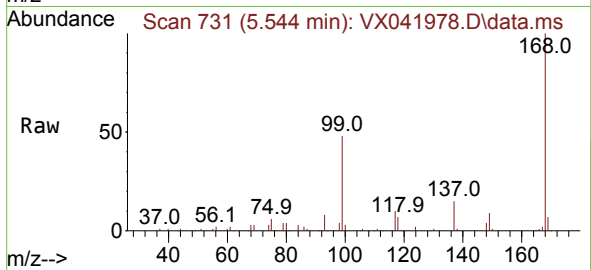
Tgt Ion: 75 Resp: 7808
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 0.0 24.7 37.1#



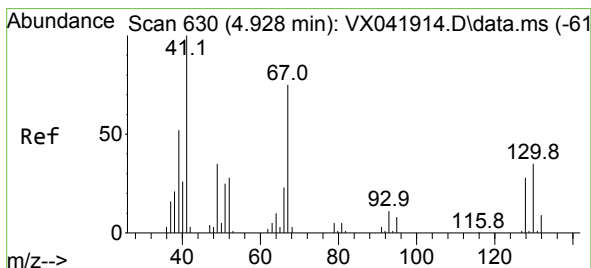
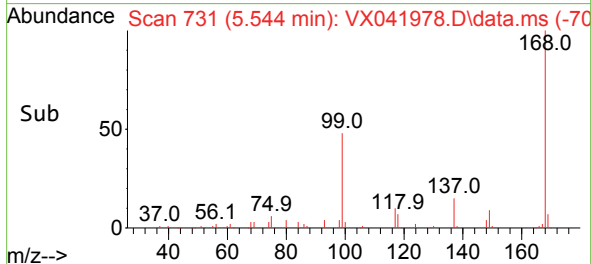
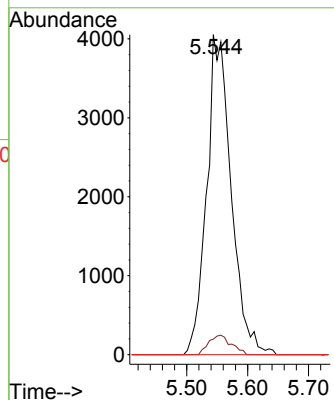


#38
Carbon Tetrachloride
Concen: 6.697 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX041978.D
Acq: 21 Jun 2024 14:00

Instrument :
MSVOA_X
ClientSampleId :

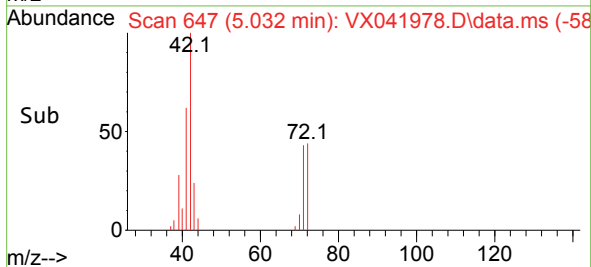
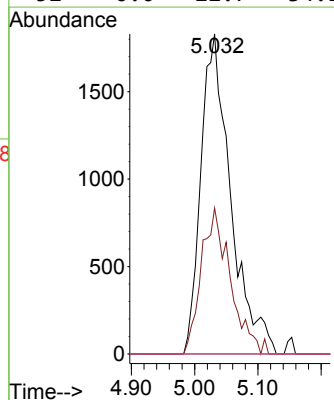
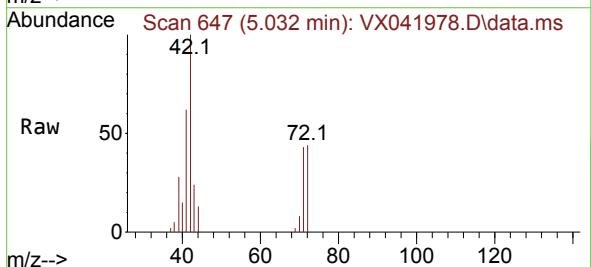


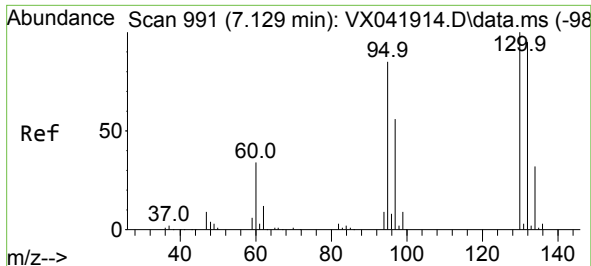
Tgt Ion:117 Resp: 11328
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 5.543 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.104 min
Lab File: VX041978.D
Acq: 21 Jun 2024 14:00

Tgt Ion: 41 Resp: 5992
Ion Ratio Lower Upper
41 100
39 43.8 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

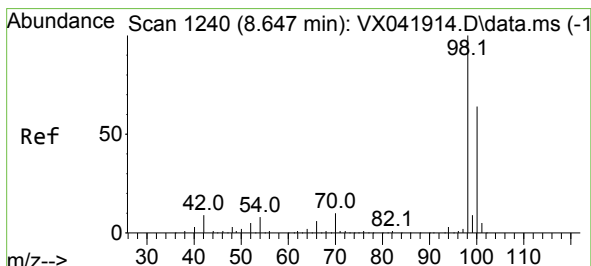
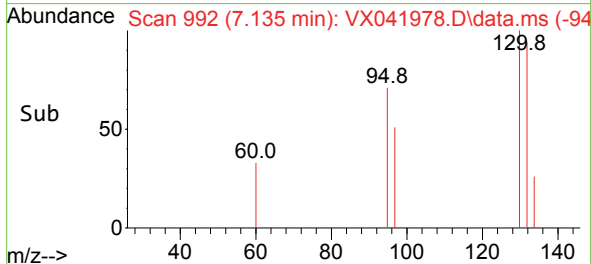
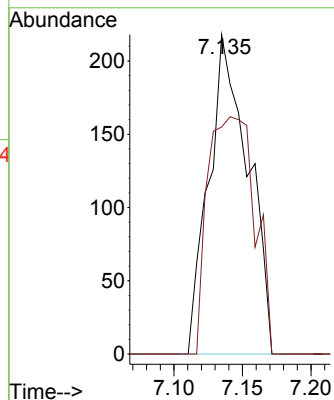
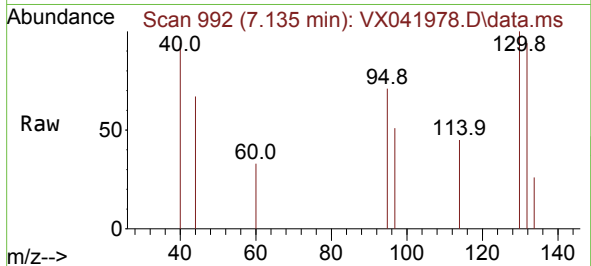




#44
Trichloroethene
Concen: 0.314 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX041978.D
Acq: 21 Jun 2024 14:00

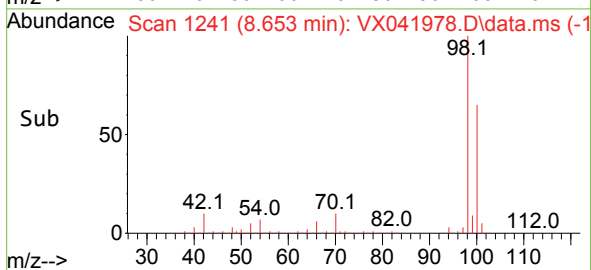
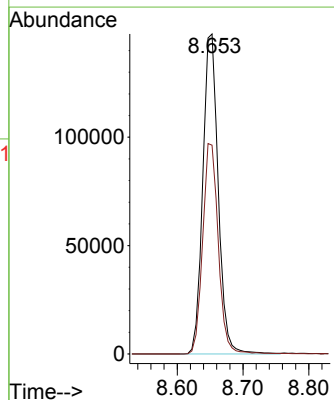
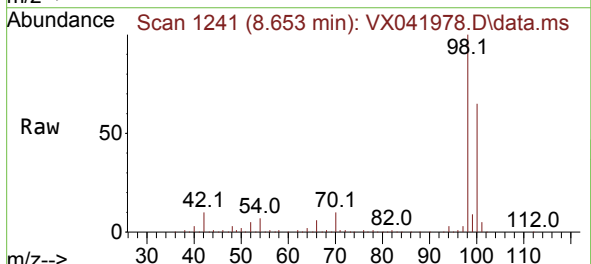
Instrument :
MSVOA_X
ClientSampleId :

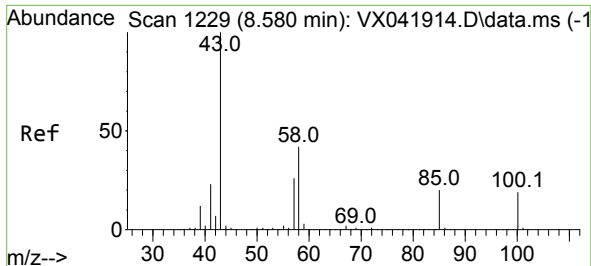
Tgt Ion:130 Resp: 435
Ion Ratio Lower Upper
130 100
95 71.1 0.0 204.4



#50
Toluene-d8
Concen: 47.583 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX041978.D
Acq: 21 Jun 2024 14:00

Tgt Ion: 98 Resp: 240991
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.462 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX041978.D

Acq: 21 Jun 2024 14:00

Instrument :

MSVOA_X

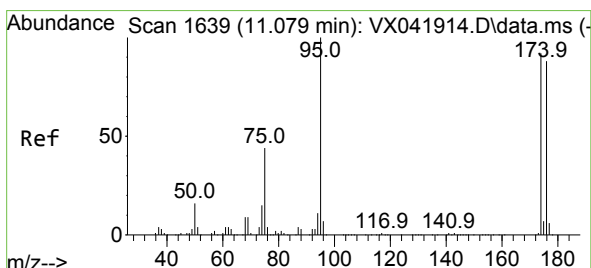
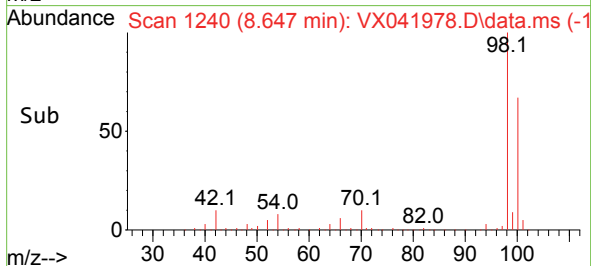
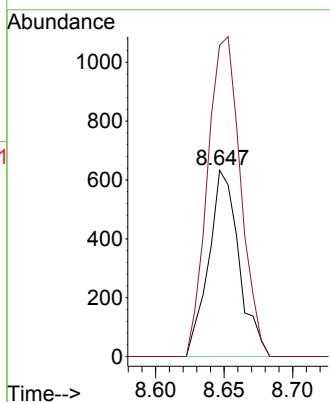
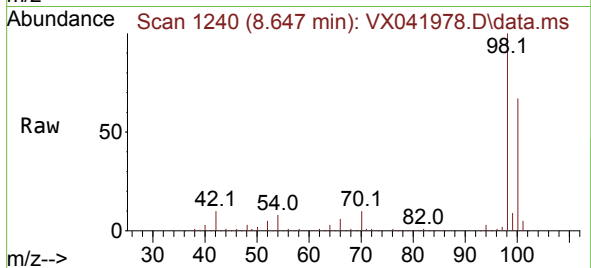
ClientSampleId :

Tgt Ion: 43 Resp: 975

Ion Ratio Lower Upper

43 100

58 187.0 30.4 45.6#



#62

4-Bromofluorobenzene

Concen: 47.360 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX041978.D

Acq: 21 Jun 2024 14:00

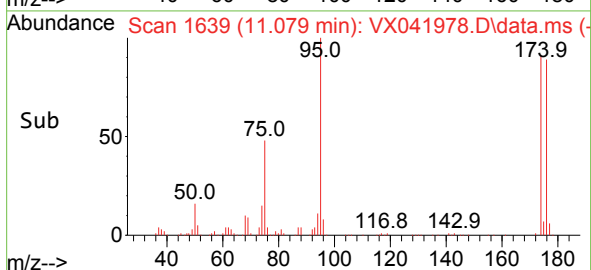
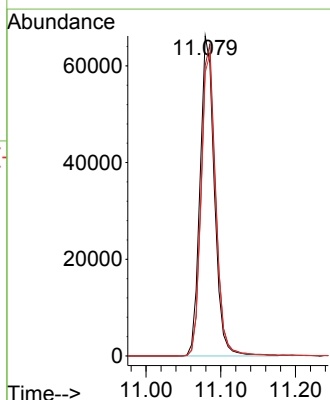
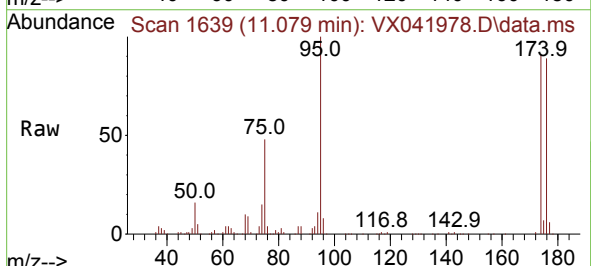
Tgt Ion: 95 Resp: 88418

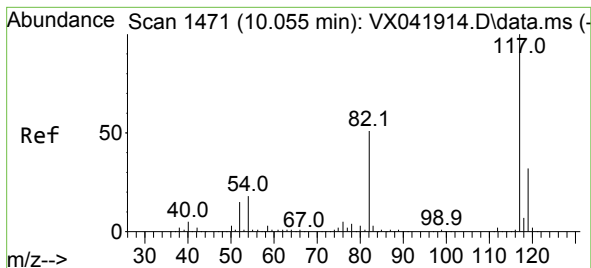
Ion Ratio Lower Upper

95 100

174 98.2 0.0 135.6

176 95.4 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: VX041978.D

Acq: 21 Jun 2024 14:00

Instrument :

MSVOA_X

ClientSampleId :

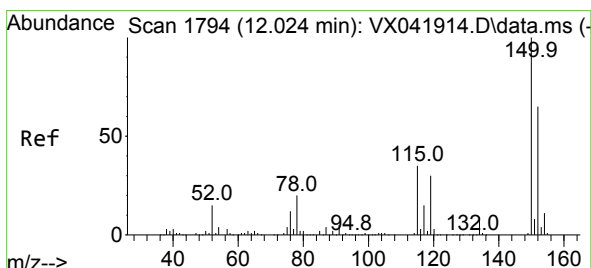
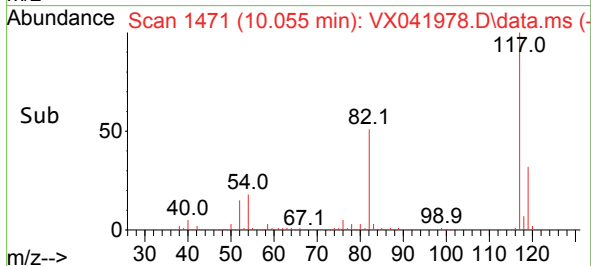
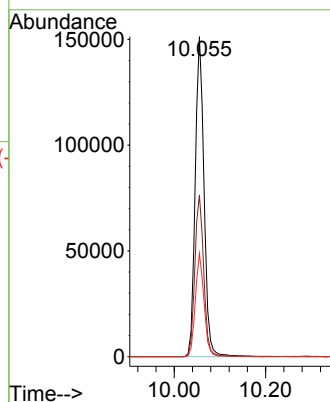
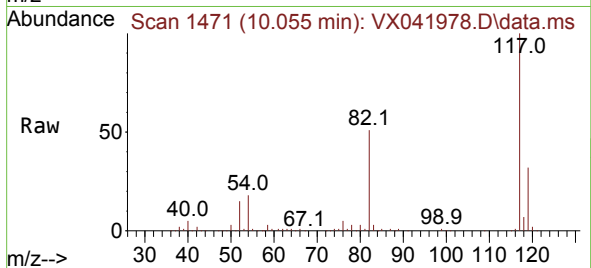
Tgt Ion:117 Resp: 203608

Ion Ratio Lower Upper

117 100

82 50.5 46.2 69.4

119 32.2 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: VX041978.D

Acq: 21 Jun 2024 14:00

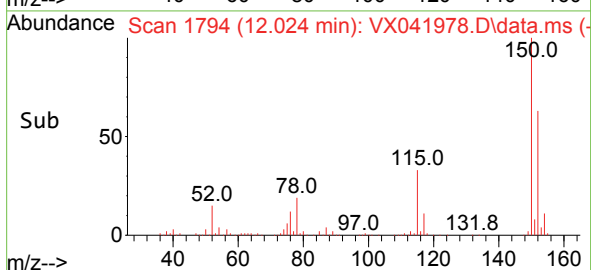
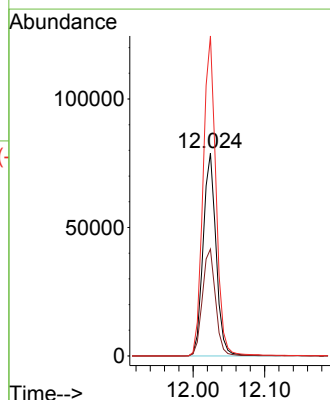
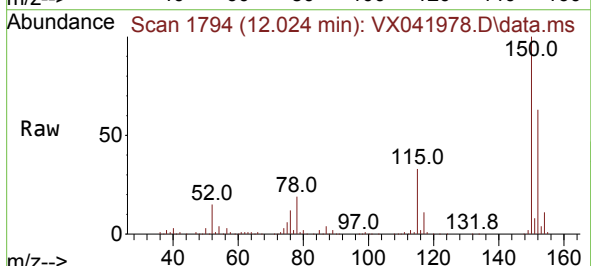
Tgt Ion:152 Resp: 99580

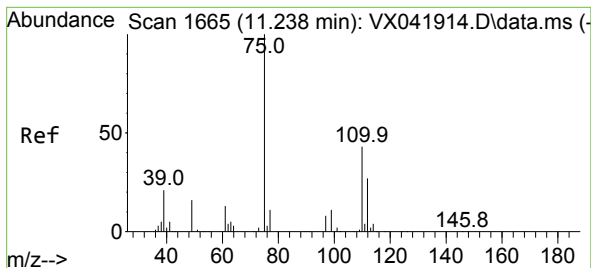
Ion Ratio Lower Upper

152 100

115 53.7 43.3 129.9

150 157.9 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.570 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041978.D

Acq: 21 Jun 2024 14:00

Instrument :

MSVOA_X

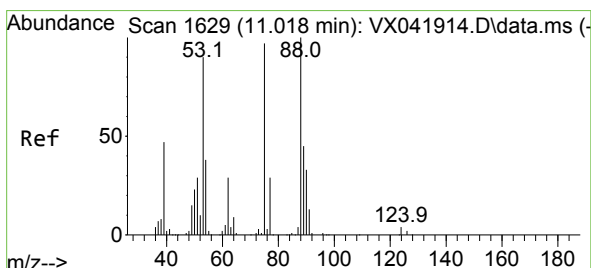
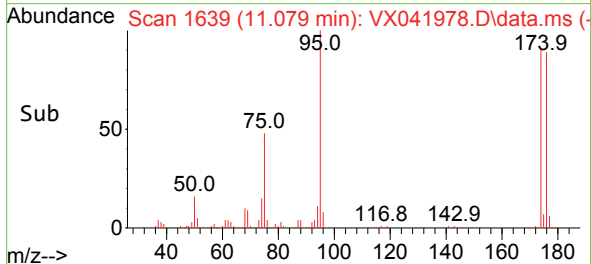
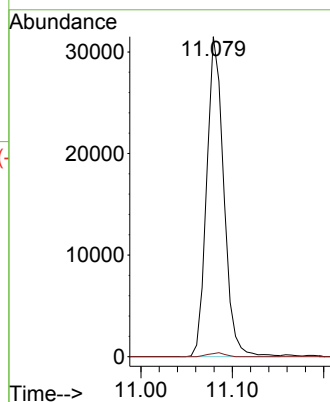
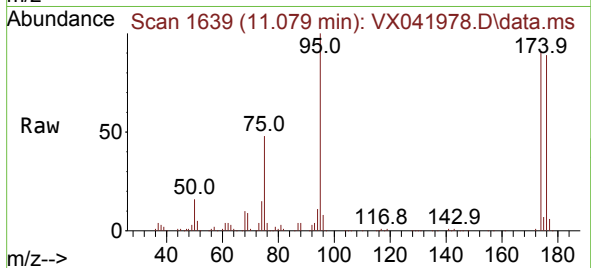
ClientSampleId :

Tgt Ion: 75 Resp: 40802

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.097 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041978.D

Acq: 21 Jun 2024 14:00

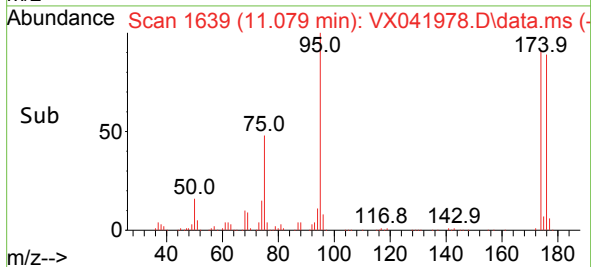
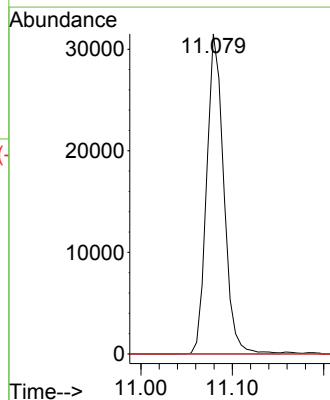
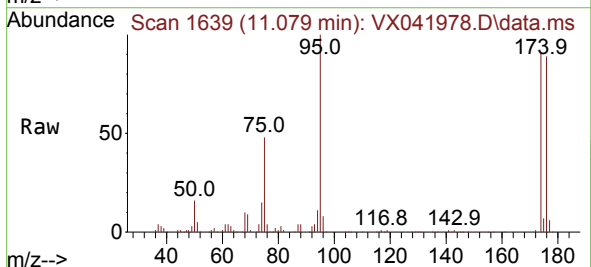
Tgt Ion: 75 Resp: 40802

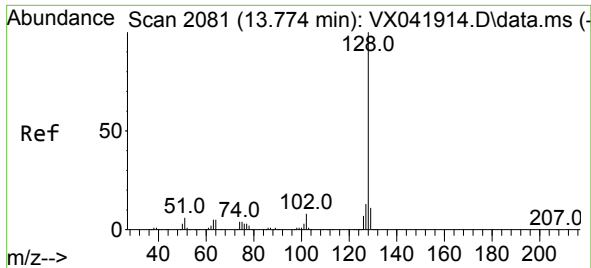
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 0.787 ug/l

RT: 13.792 min Scan# 2084

Delta R.T. 0.018 min

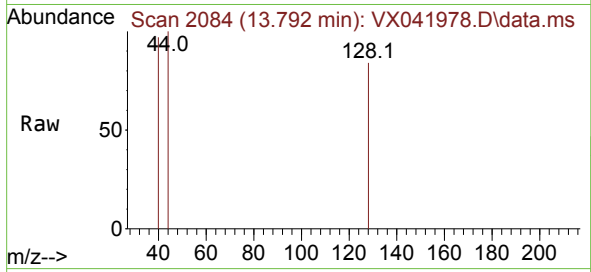
Lab File: VX041978.D

Acq: 21 Jun 2024 14:00

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 283

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.8 13.2#

