

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060724\
 Data File : VX041781.D
 Acq On : 07 Jun 2024 11:18
 Operator : JC/MD
 Sample : VX0607WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 08 04:03:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

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

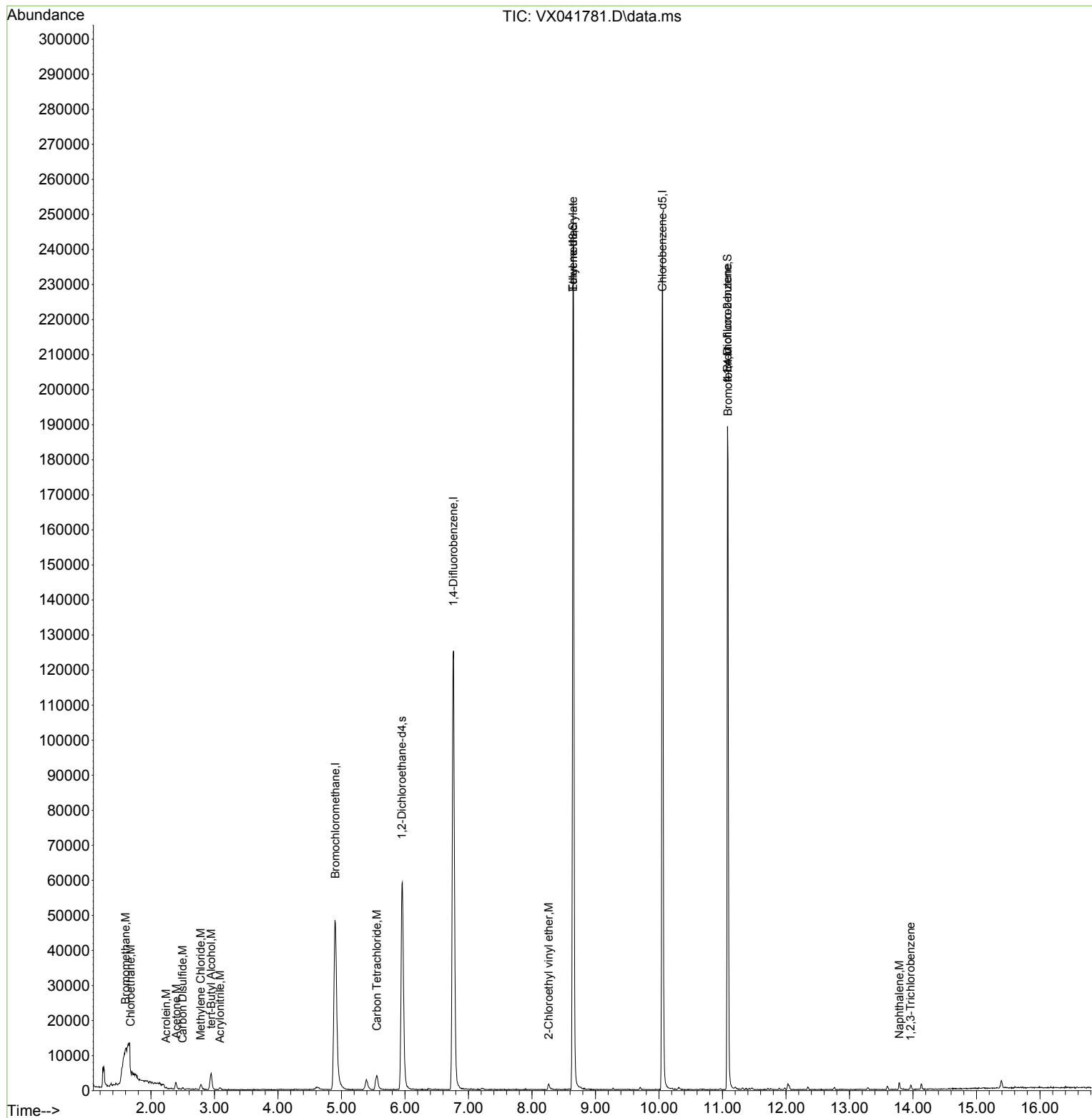
Internal Standards						
1) Bromochloromethane	4.904	128	23859	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	133509	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	116250	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	59576	31.708	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.700%
60) 4-Bromofluorobenzene	11.079	95	49032	27.019	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.067%
63) Toluene-d8	8.647	98	149198	29.940	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.800%
Target Compounds						Qvalue
5) Bromomethane	1.599	94	280	0.306	ug/l	85
6) Chloroethane	1.679	64	174	0.239	ug/l #	39
13) Acrolein	2.239	56	119	0.532	ug/l #	79
14) Acrylonitrile	3.087	53	221	0.273	ug/l #	49
15) Acetone	2.398	58	709	3.274	ug/l #	67
16) Carbon Disulfide	2.496	76	564	0.205	ug/l #	74
18) Methylene Chloride	2.782	84	828	0.570	ug/l #	90
23) tert-Butyl Alcohol	2.947	59	3110	9.067	ug/l #	100
33) Carbon Tetrachloride	5.556	117	463	0.228	ug/l #	12
51) Ethyl methacrylate	8.647	69	489	0.210	ug/l	87
55) 2-Chloroethyl vinyl ether	8.263	63	860	0.758	ug/l	96
56) Bromoform	11.085	173	298	0.226	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	25048	40.263	ug/l #	1
91) Naphthalene	13.786	128	1859	0.269	ug/l #	95
92) 1,2,3-Trichlorobenzene	13.963	180	545	0.231	ug/l	90

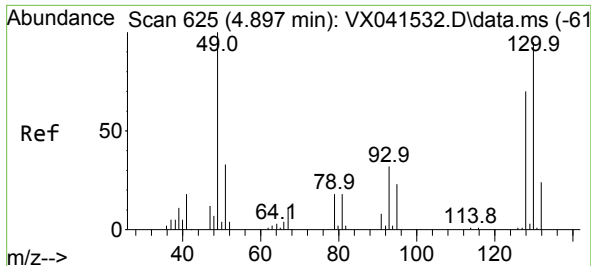
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060724\
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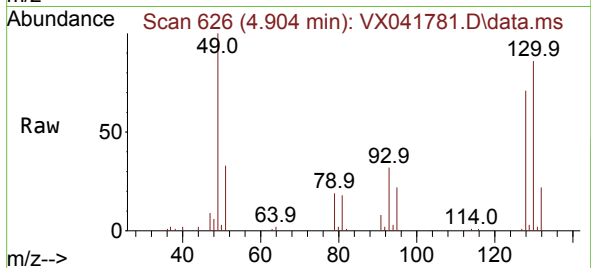
Quant Time: Jun 08 04:03:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
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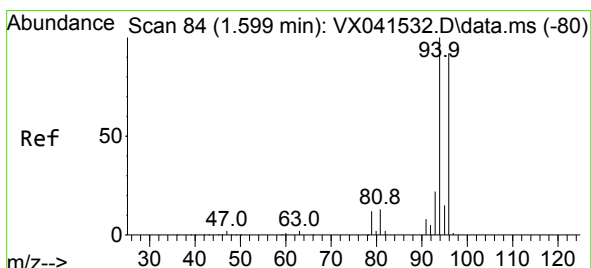
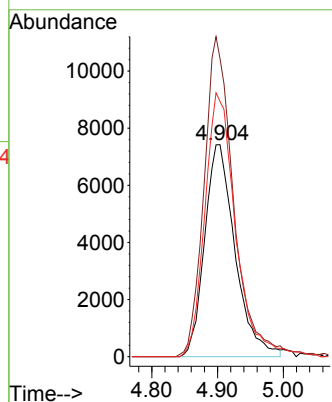
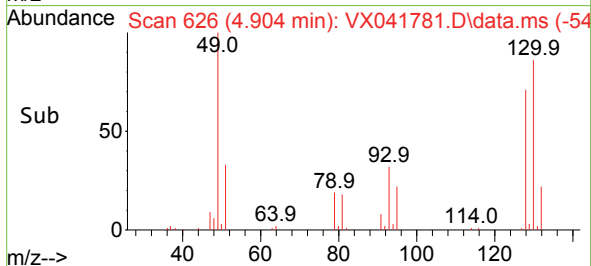


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX041781.D
Acq: 07 Jun 2024 11:18

Instrument :
MSVOA_X
ClientSampleId :

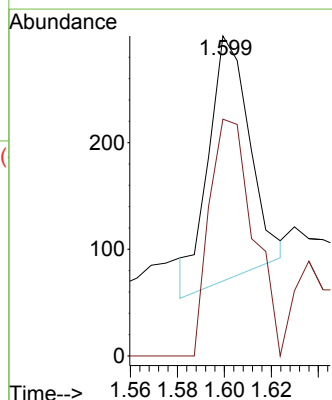
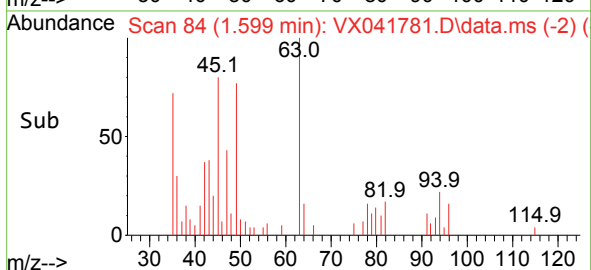
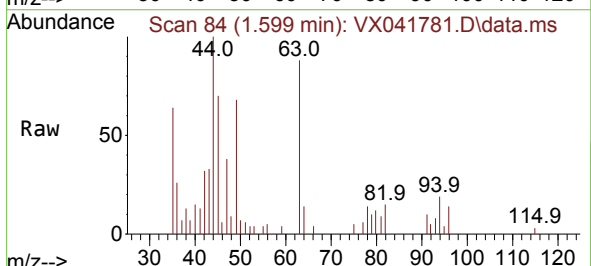


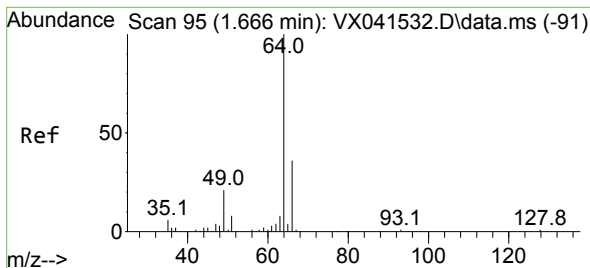
Tgt Ion:128 Resp: 23859
Ion Ratio Lower Upper
128 100
49 147.2 0.0 361.5
130 124.4 0.0 324.3



#5
Bromomethane
Concen: 0.306 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041781.D
Acq: 07 Jun 2024 11:18

Tgt Ion: 94 Resp: 280
Ion Ratio Lower Upper
94 100
96 106.7 73.9 110.9

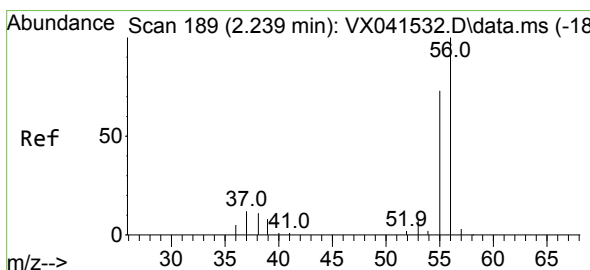
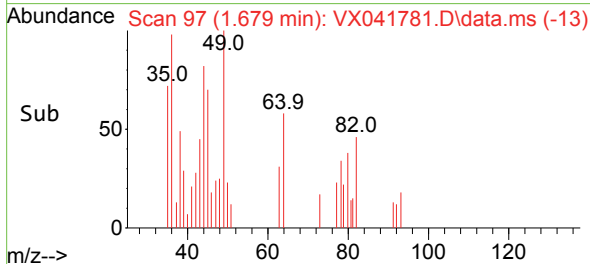
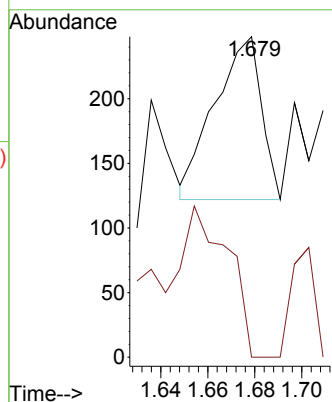
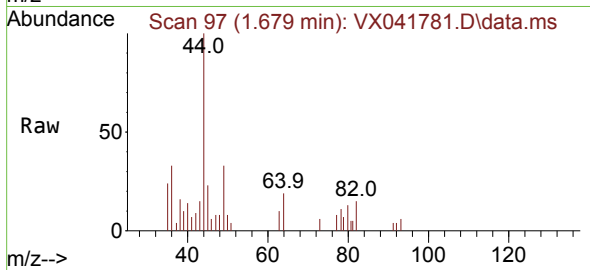




#6
Chloroethane
Concen: 0.239 ug/l
RT: 1.679 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX041781.D
Acq: 07 Jun 2024 11:18

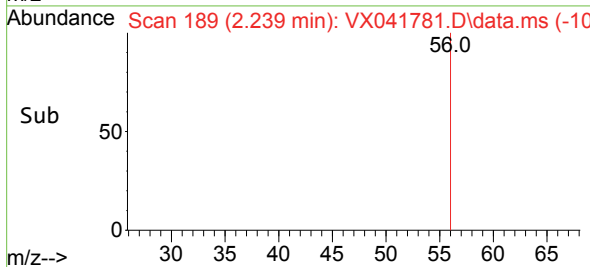
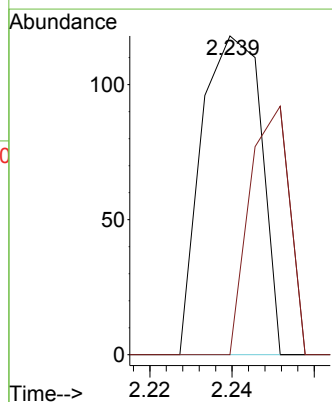
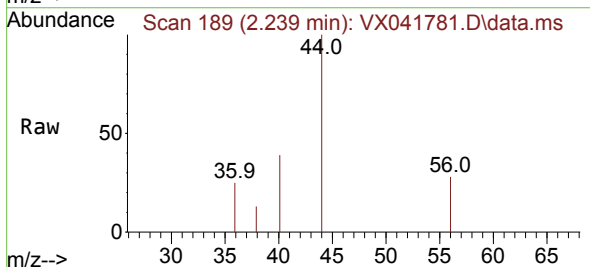
Instrument :
MSVOA_X
ClientSampleId :

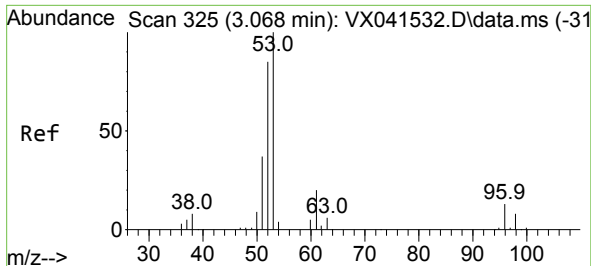
Tgt Ion: 64 Resp: 174
Ion Ratio Lower Upper
64 100
66 0.0 28.6 42.8#



#13
Acrolein
Concen: 0.532 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX041781.D
Acq: 07 Jun 2024 11:18

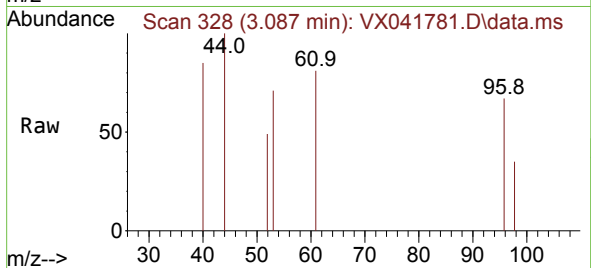
Tgt Ion: 56 Resp: 119
Ion Ratio Lower Upper
56 100
55 52.1 55.1 82.7#



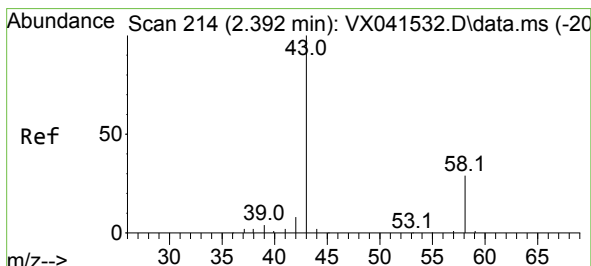
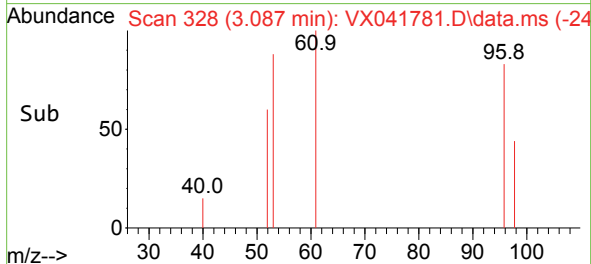
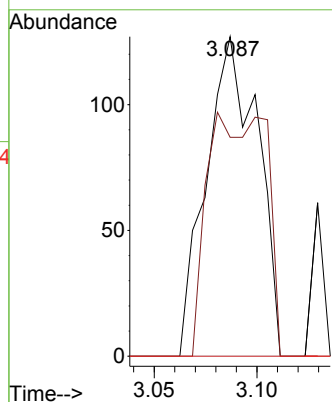


#14
Acrylonitrile
Concen: 0.273 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.018 min
Lab File: VX041781.D
Acq: 07 Jun 2024 11:18

Instrument :
MSVOA_X
ClientSampleId :

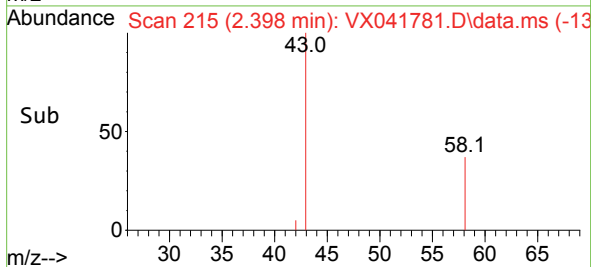
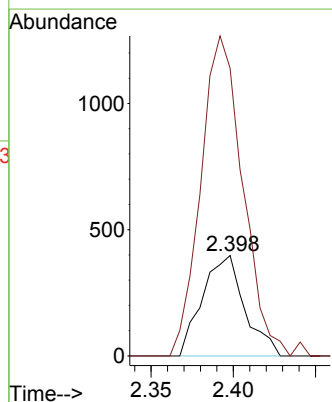
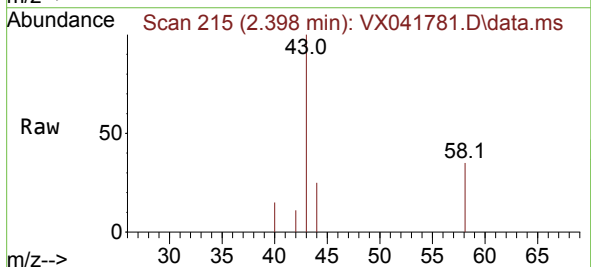


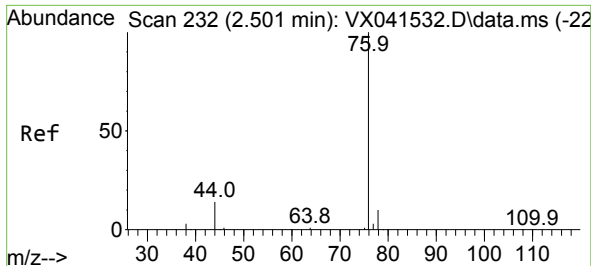
Tgt Ion: 53 Resp: 221
Ion Ratio Lower Upper
53 100
52 41.6 41.3 123.7
51 0.0 18.4 55.0#



#15
Acetone
Concen: 3.274 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX041781.D
Acq: 07 Jun 2024 11:18

Tgt Ion: 58 Resp: 709
Ion Ratio Lower Upper
58 100
43 271.6 274.0 411.0#

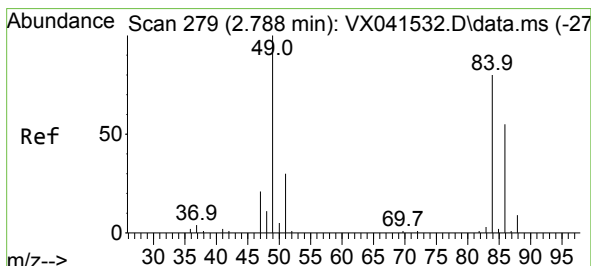
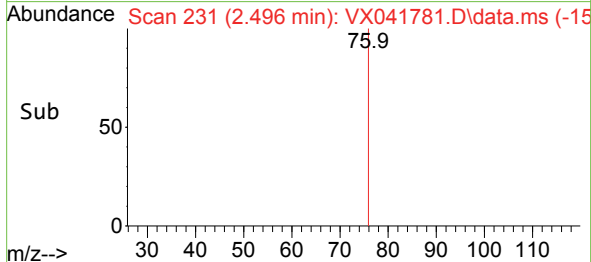
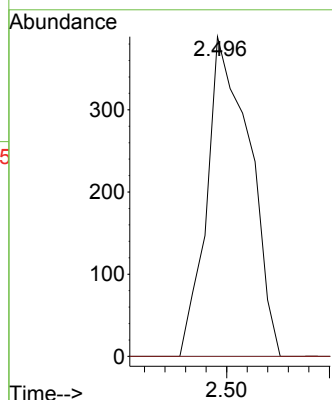
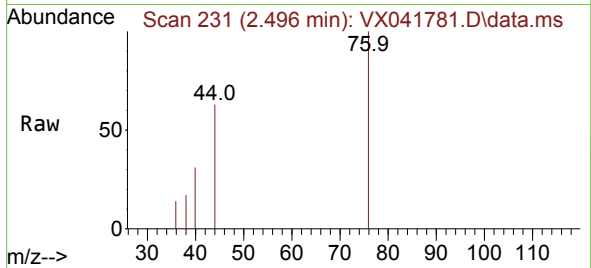




#16
Carbon Disulfide
Concen: 0.205 ug/l
RT: 2.496 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX041781.D
Acq: 07 Jun 2024 11:18

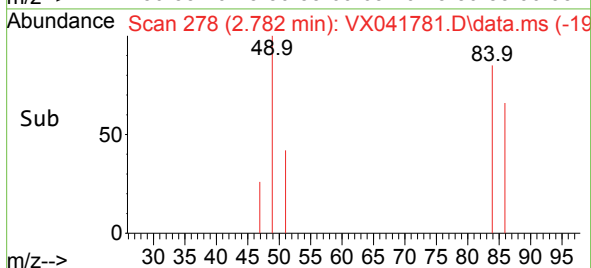
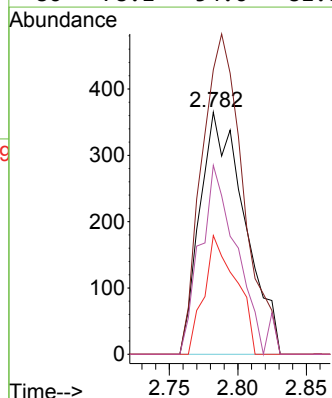
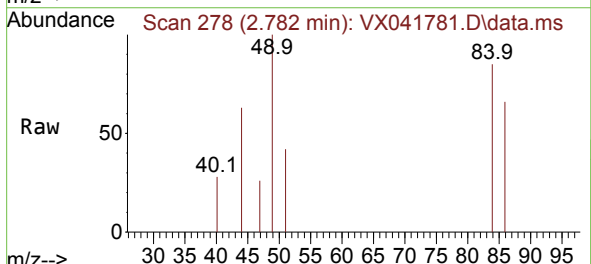
Instrument :
MSVOA_X
ClientSampleId :

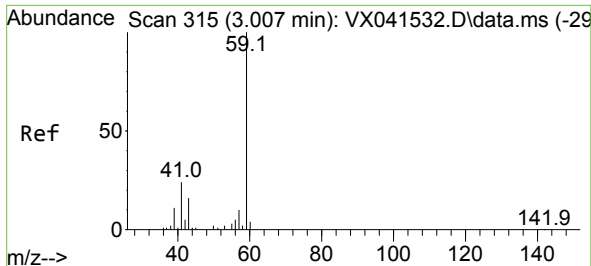
Tgt Ion: 76 Resp: 564
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#18
Methylene Chloride
Concen: 0.570 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX041781.D
Acq: 07 Jun 2024 11:18

Tgt Ion: 84 Resp: 828
Ion Ratio Lower Upper
84 100
49 117.5 99.8 149.8
51 49.0 30.2 45.4#
86 78.1 54.6 81.8

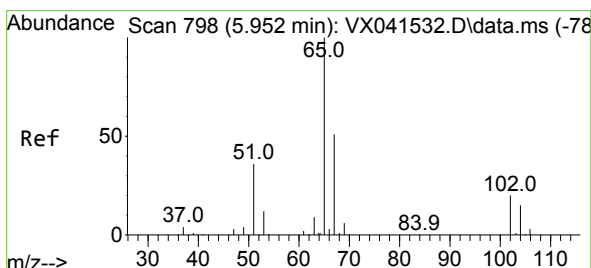
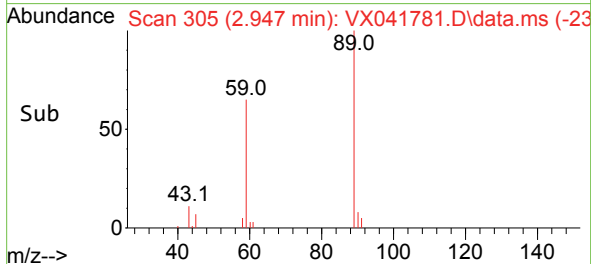
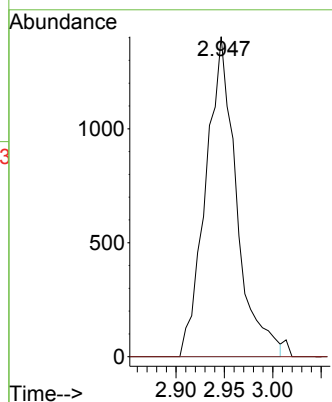
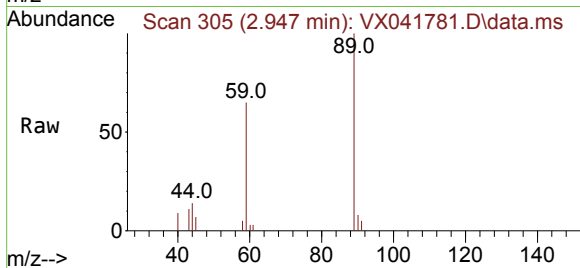




#23
tert-Butyl Alcohol
Concen: 9.067 ug/l
RT: 2.947 min Scan# 30
Delta R.T. -0.061 min
Lab File: VX041781.D
Acq: 07 Jun 2024 11:18

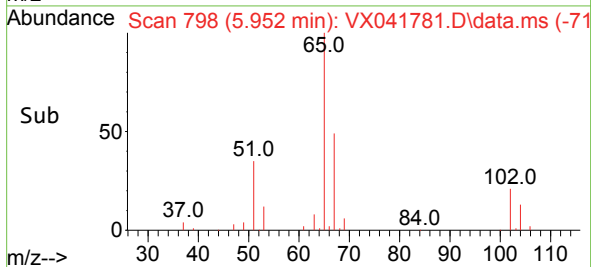
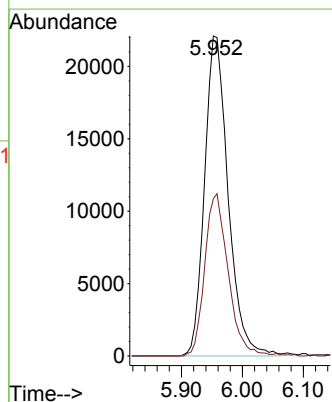
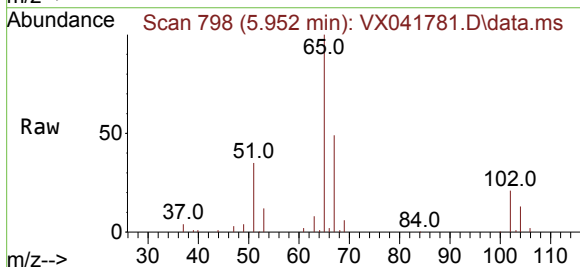
Instrument :
MSVOA_X
ClientSampleId :

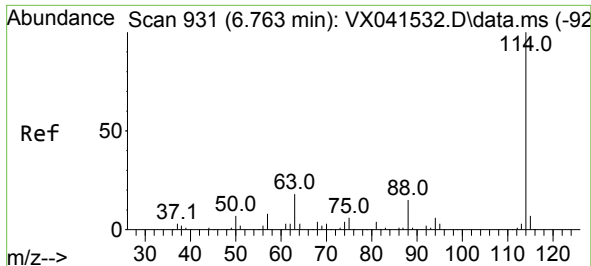
Tgt Ion: 59 Resp: 3110
Ion Ratio Lower Upper
59 100
52 3.0 0.0 0.0#



#27
1,2-Dichloroethane-d4
Concen: 31.708 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX041781.D
Acq: 07 Jun 2024 11:18

Tgt Ion: 65 Resp: 59576
Ion Ratio Lower Upper
65 100
67 50.0 40.8 61.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX041781.D

Acq: 07 Jun 2024 11:18

Instrument :

MSVOA_X

ClientSampleId :

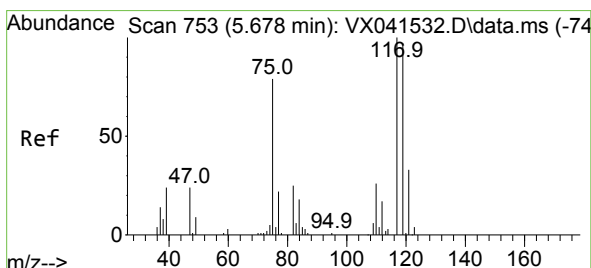
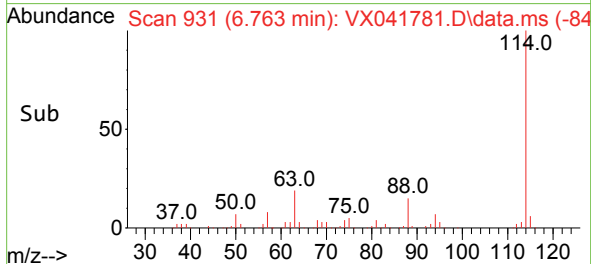
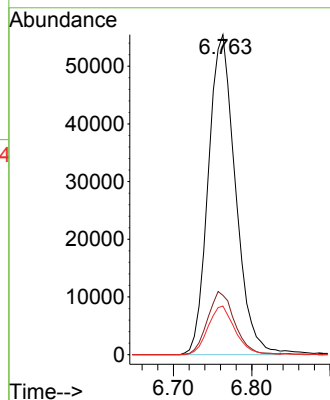
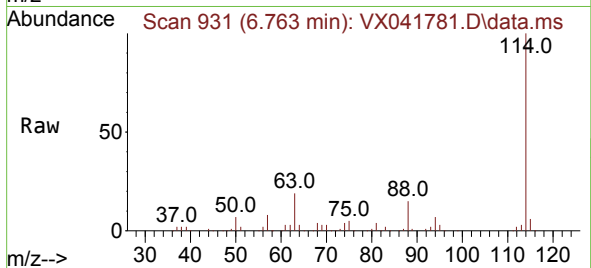
Tgt Ion:114 Resp: 133509

Ion Ratio Lower Upper

114 100

63 19.7 15.4 23.0

88 15.1 12.2 18.2



#33

Carbon Tetrachloride

Concen: 0.228 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX041781.D

Acq: 07 Jun 2024 11:18

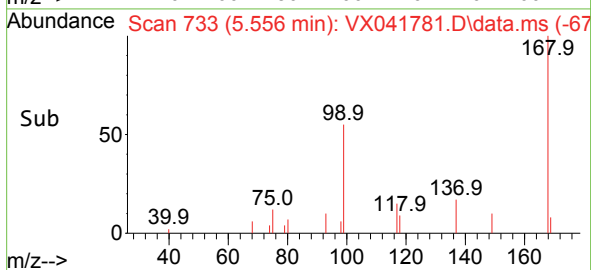
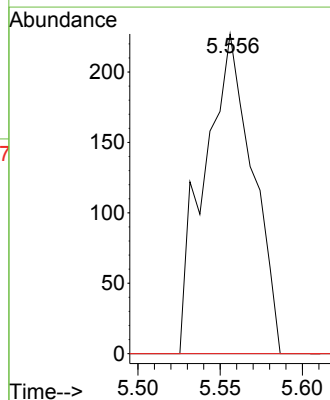
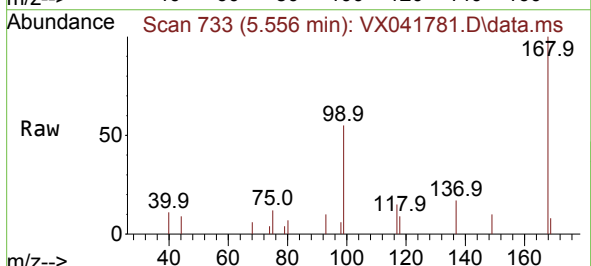
Tgt Ion:117 Resp: 463

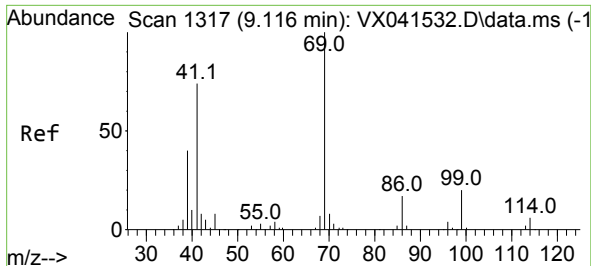
Ion Ratio Lower Upper

117 100

119 0.0 77.4 116.2#

121 0.0 26.4 39.6#





#51

Ethyl methacrylate

Concen: 0.210 ug/l

RT: 8.647 min Scan# 1177

Delta R.T. -0.469 min

Lab File: VX041781.D

Acq: 07 Jun 2024 11:18

Instrument :

MSVOA_X

ClientSampleId :

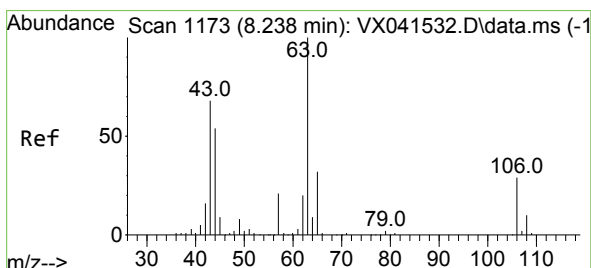
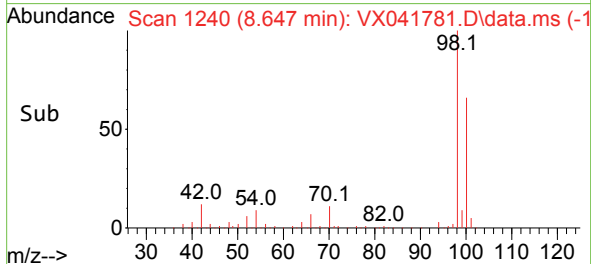
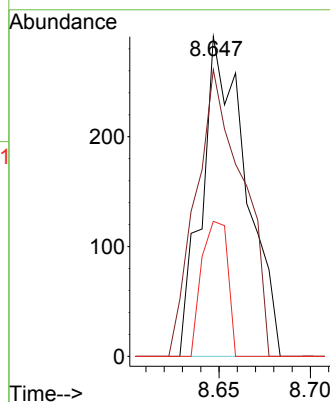
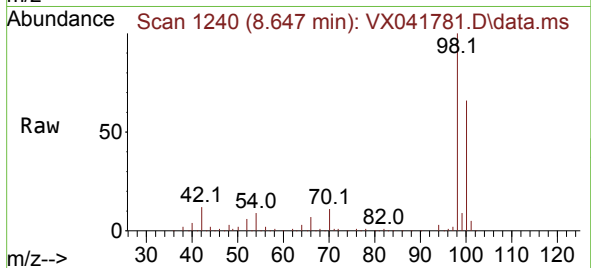
Tgt Ion: 69 Resp: 489

Ion Ratio Lower Upper

69 100

41 89.7 37.1 111.3

39 42.3 20.2 60.6



#55

2-Chloroethyl vinyl ether

Concen: 0.758 ug/l

RT: 8.263 min Scan# 1177

Delta R.T. 0.025 min

Lab File: VX041781.D

Acq: 07 Jun 2024 11:18

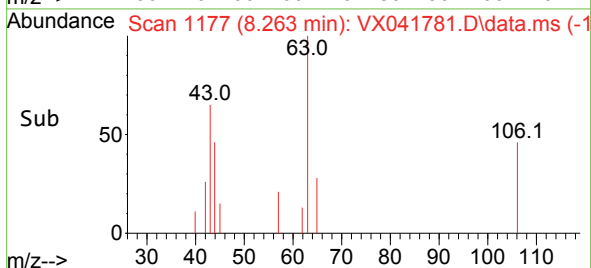
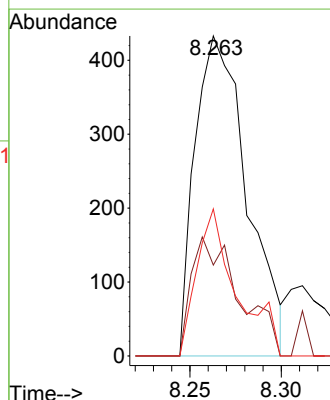
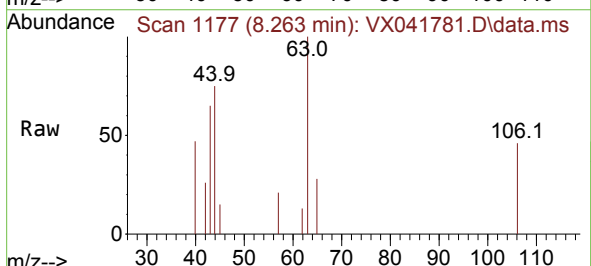
Tgt Ion: 63 Resp: 860

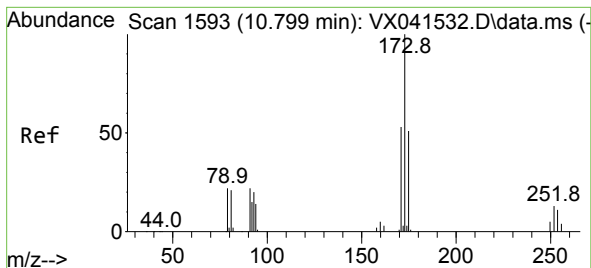
Ion Ratio Lower Upper

63 100

65 28.8 25.5 38.3

106 32.0 24.7 37.1





#56

Bromoform

Concen: 0.226 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.287 min

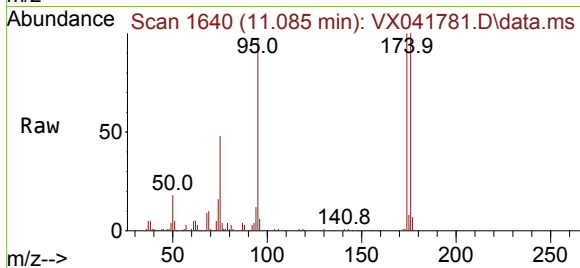
Lab File: VX041781.D

Acq: 07 Jun 2024 11:18

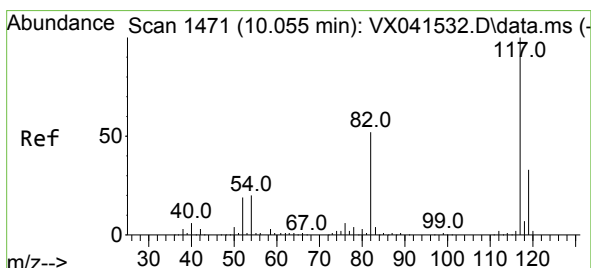
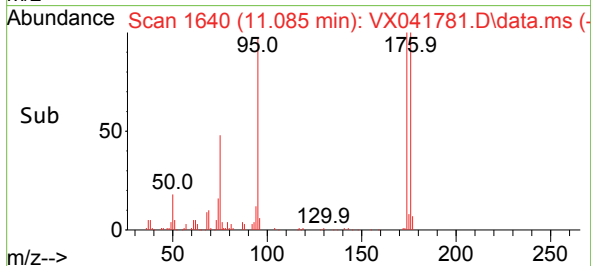
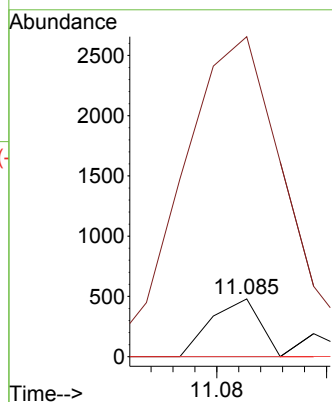
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	173	Resp:	298
Ion Ratio	Lower	Upper	
173	100		
175	1176.2	39.0	58.6#
254	0.0	10.3	15.5#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

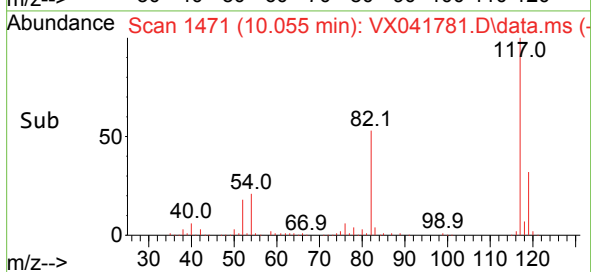
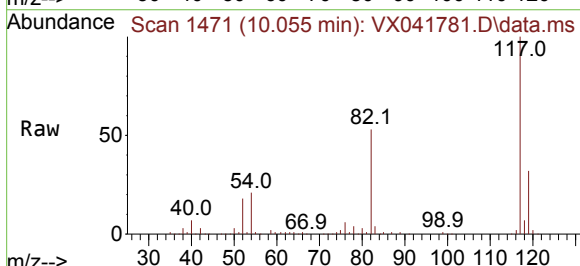
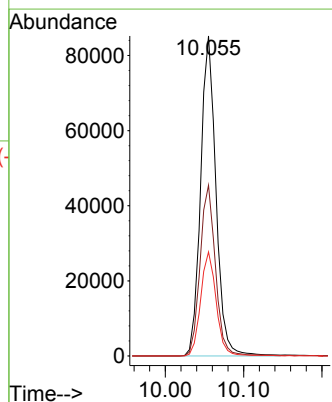
RT: 10.055 min Scan# 1471

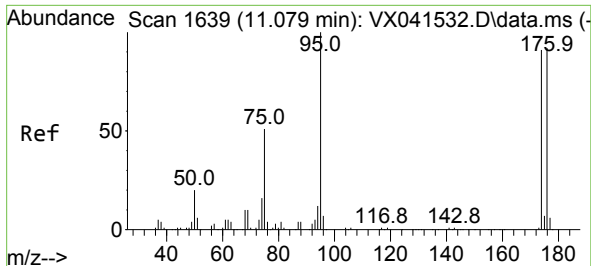
Delta R.T. 0.000 min

Lab File: VX041781.D

Acq: 07 Jun 2024 11:18

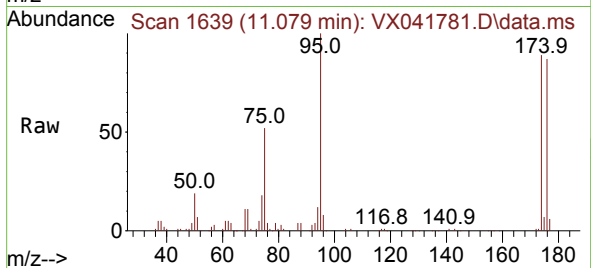
Tgt Ion:	117	Resp:	116250
Ion Ratio	Lower	Upper	
117	100		
82	53.5	41.7	62.5
119	32.6	25.7	38.5



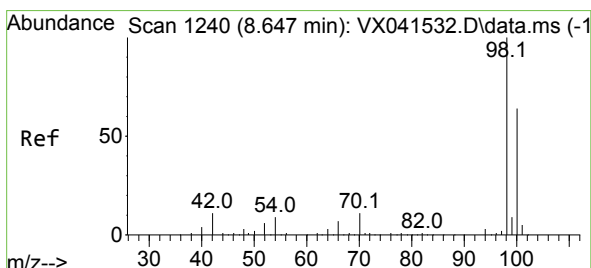
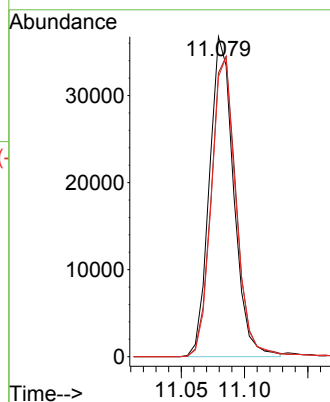
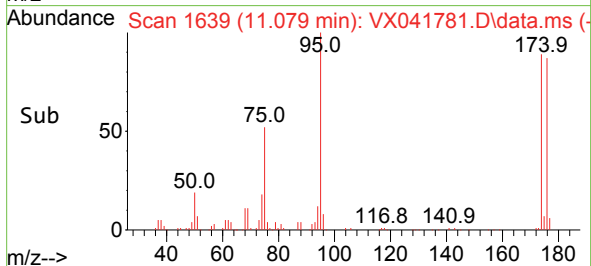


#60
4-Bromofluorobenzene
Concen: 27.019 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041781.D
Acq: 07 Jun 2024 11:18

Instrument :
MSVOA_X
ClientSampleId :

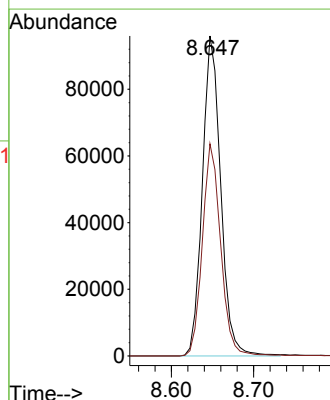
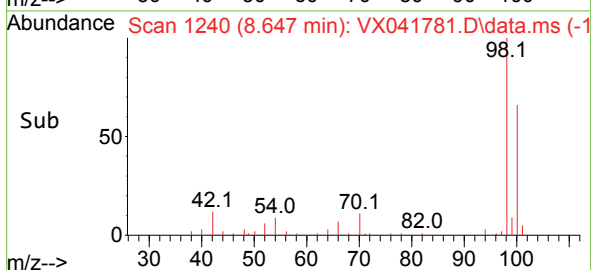
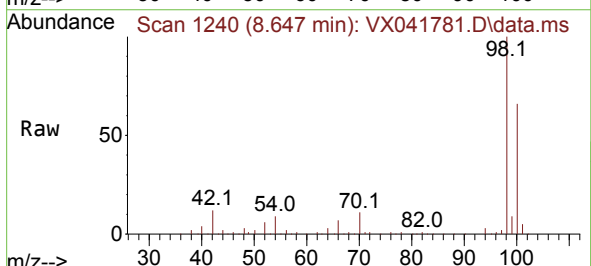


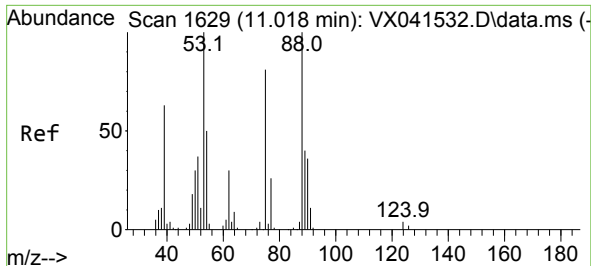
Tgt Ion: 95 Resp: 49032
Ion Ratio Lower Upper
95 100
174 96.9 76.6 115.0
176 94.5 75.4 113.0



#63
Toluene-d8
Concen: 29.940 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041781.D
Acq: 07 Jun 2024 11:18

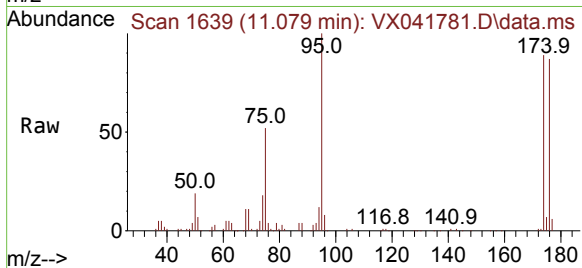
Tgt Ion: 98 Resp: 149198
Ion Ratio Lower Upper
98 100
100 66.0 53.1 79.7



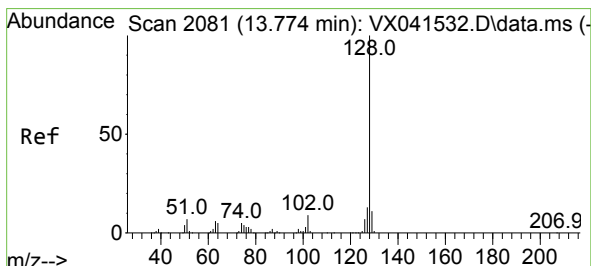
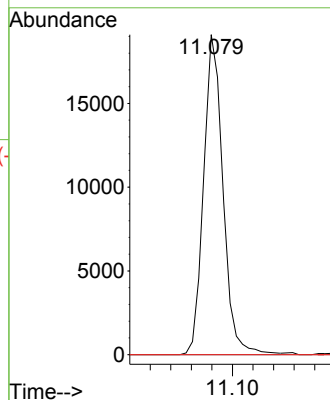
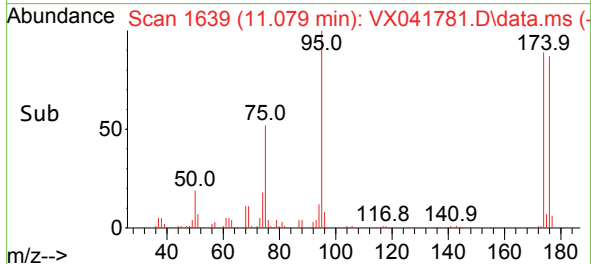


#77
t-1,4-Dichloro-2-butene
Concen: 40.263 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX041781.D
Acq: 07 Jun 2024 11:18

Instrument :
MSVOA_X
ClientSampleId :

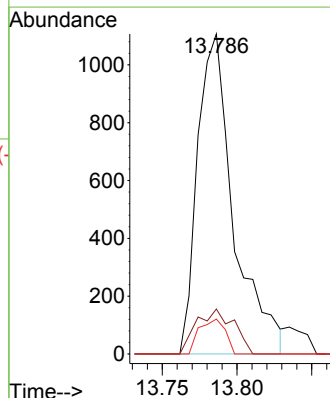
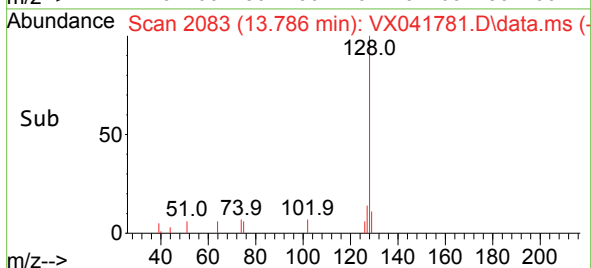
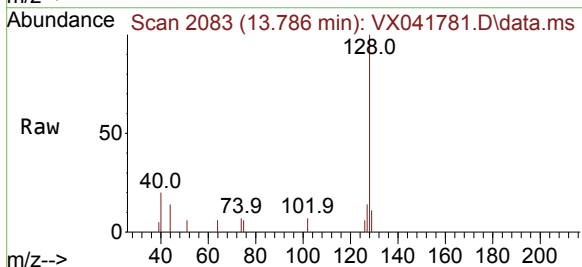


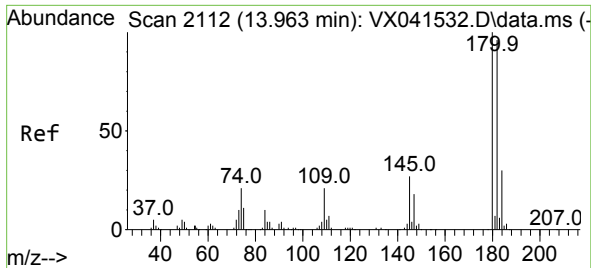
Tgt Ion: 75 Resp: 25048
Ion Ratio Lower Upper
75 100
53 0.0 61.8 185.3#
89 0.0 24.9 74.7#



#91
Naphthalene
Concen: 0.269 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX041781.D
Acq: 07 Jun 2024 11:18

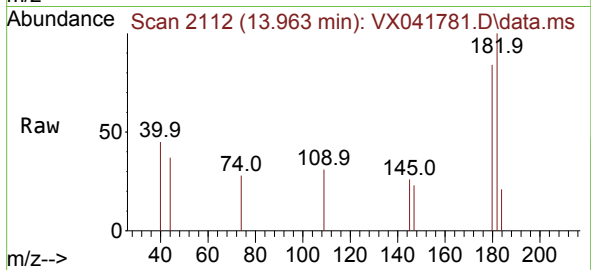
Tgt Ion: 128 Resp: 1859
Ion Ratio Lower Upper
128 100
127 14.5 10.6 16.0
129 7.9 8.8 13.2#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.231 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VX041781.D
 Acq: 07 Jun 2024 11:18

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	545
Ion	Ratio	Lower	Upper
180	100		
182	101.7	0.0	191.0
145	17.4	0.0	58.6

