

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070224\
 Data File : VX042149.D
 Acq On : 02 Jul 2024 18:52
 Operator : JC/MD
 Sample : P3119-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 03 03:38:41 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

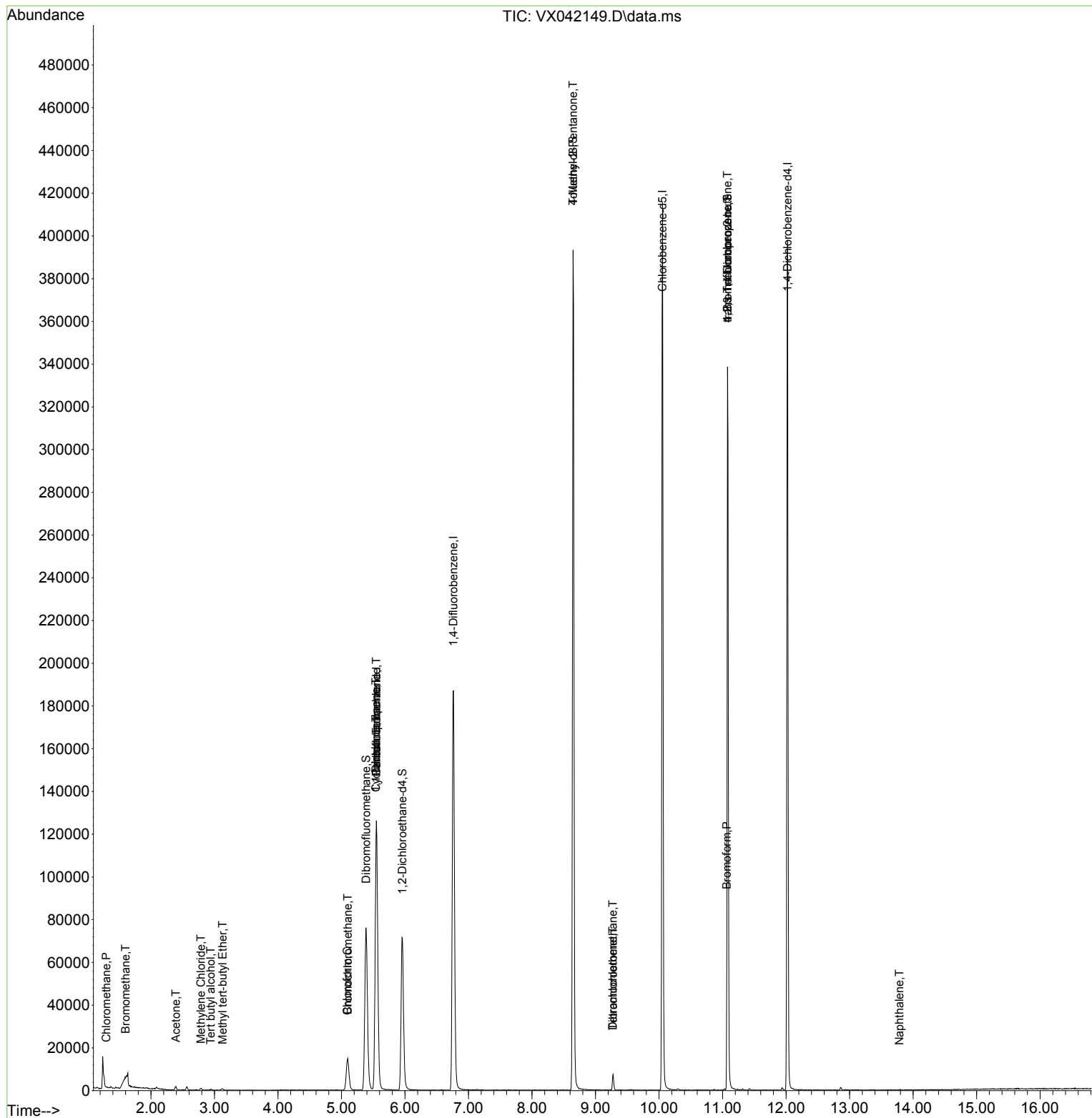
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	138210	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	213785	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96310	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	70184	44.037	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.080%
35) Dibromofluoromethane	5.385	113	68747	45.320	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.640%
50) Toluene-d8	8.647	98	247861	46.512	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.020%
62) 4-Bromofluorobenzene	11.079	95	90232	45.934	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.860%
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	305	0.231	ug/l	93
5) Bromomethane	1.599	94	205	0.314	ug/l	# 3
6) Chloroethane	1.654	64	178	Below Cal	#	43
11) Tert butyl alcohol	2.941	59	210	0.694	ug/l	# 78
16) Acetone	2.392	43	1734	2.478	ug/l	# 89
19) Methyl tert-butyl Ether	3.130	73	841	0.214	ug/l	# 88
20) Methylene Chloride	2.788	84	530	0.346	ug/l	# 71
28) Bromochloromethane	5.099	49	1266	1.321	ug/l	# 16
30) Chloroform	5.093	83	19373	8.309	ug/l	99
31) Cyclohexane	5.544	56	1917	1.029	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	7731	4.799	ug/l	# 51
38) Carbon Tetrachloride	5.550	117	12054	6.773	ug/l	# 15
51) 4-Methyl-2-Pentanone	8.647	43	902	0.407	ug/l	# 1
60) Dibromochloromethane	9.275	129	1457	0.931	ug/l	# 11
64) Tetrachloroethene	9.275	164	1600	1.055	ug/l	# 79
71) Bromoform	11.067	173	42	0.905	ug/l	# 29
76) 1,2,3-Trichloropropane	11.079	75	41178	23.552	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	41178	66.885	ug/l	# 5
95) Naphthalene	13.786	128	273	0.787	ug/l	# 69

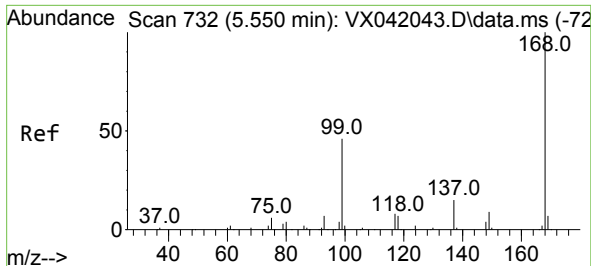
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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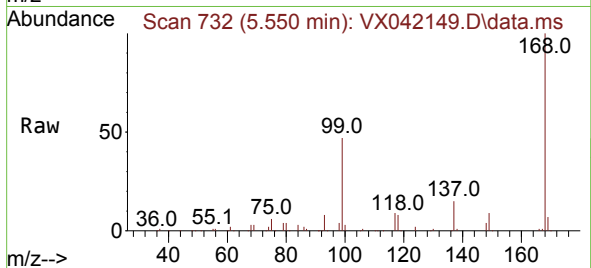
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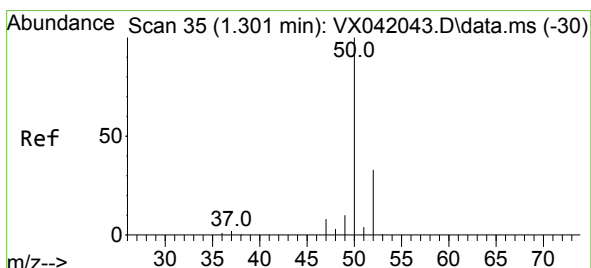
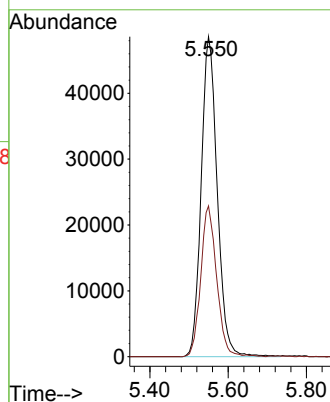
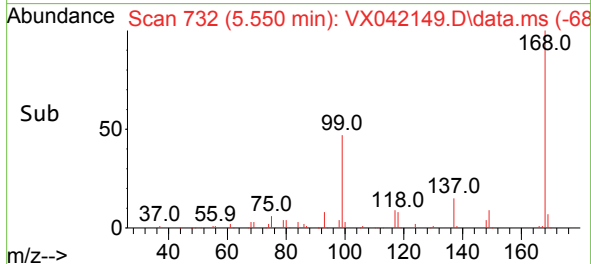


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042149.D
Acq: 02 Jul 2024 18:52

Instrument :
MSVOA_X
ClientSampleId :

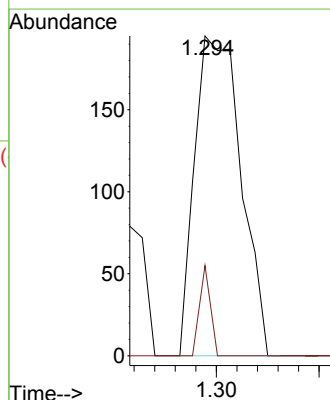
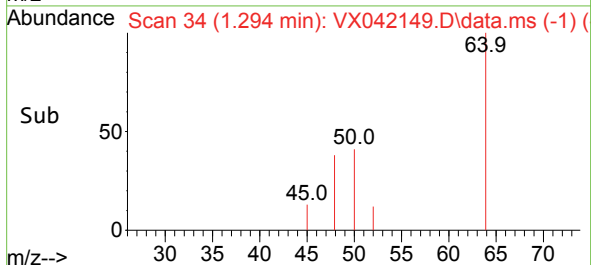
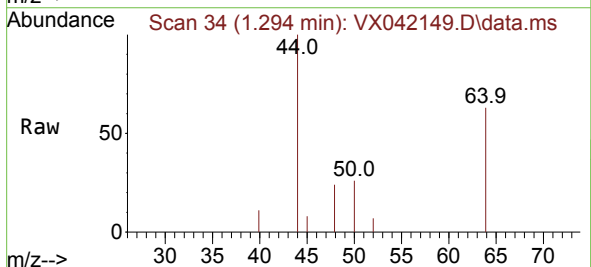


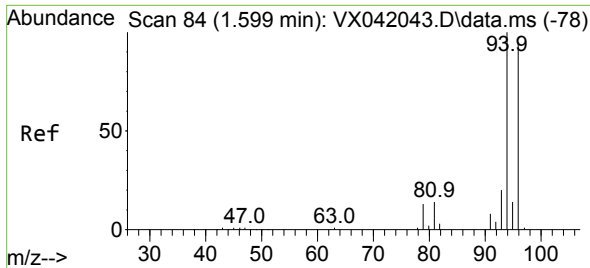
Tgt Ion:168 Resp: 138210
Ion Ratio Lower Upper
168 100
99 47.1 56.6 85.0#



#3
Chloromethane
Concen: 0.231 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.012 min
Lab File: VX042149.D
Acq: 02 Jul 2024 18:52

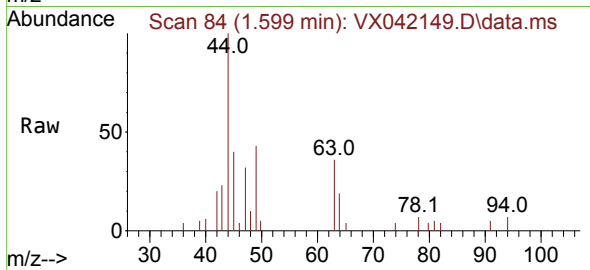
Tgt Ion: 50 Resp: 305
Ion Ratio Lower Upper
50 100
52 28.2 25.5 38.3



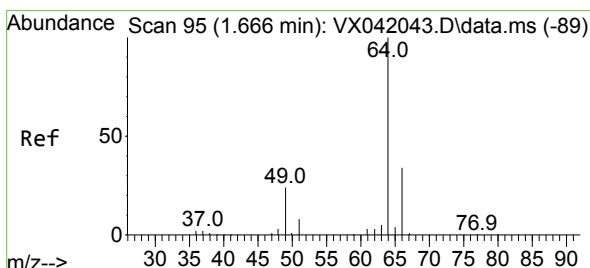
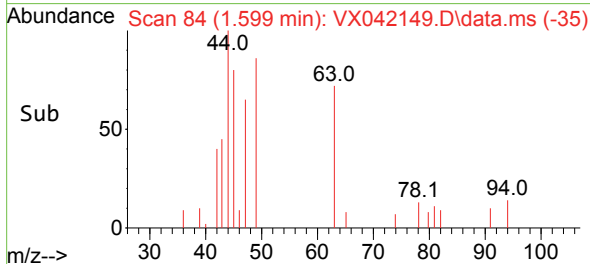
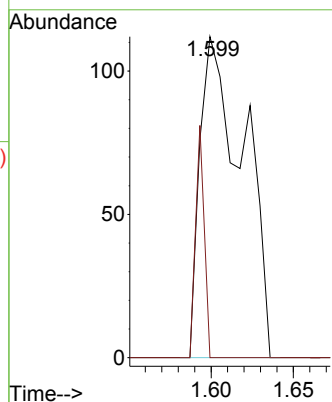


#5
Bromomethane
Concen: 0.314 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX042149.D
Acq: 02 Jul 2024 18:52

Instrument :
MSVOA_X
ClientSampleId :

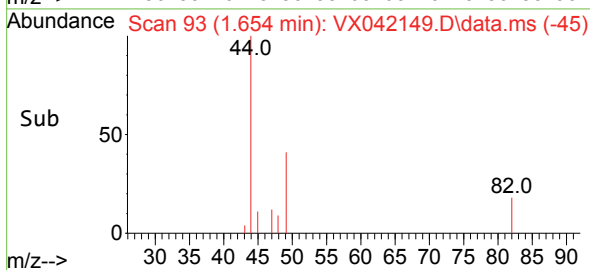
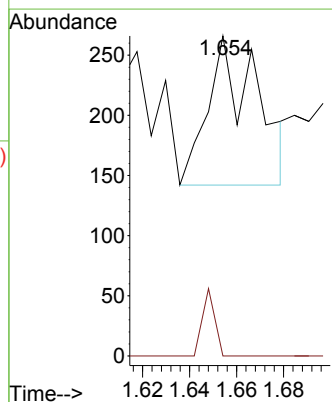
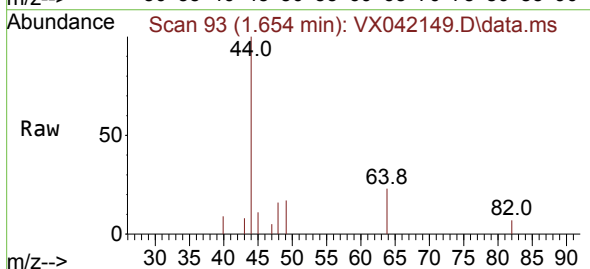


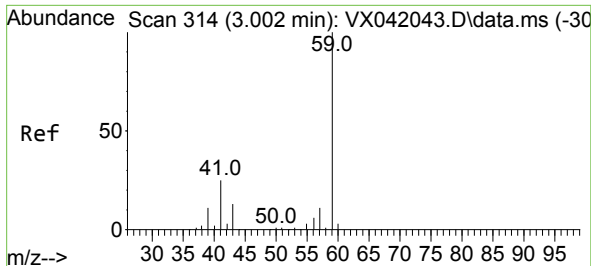
Tgt Ion: 94 Resp: 205
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



#6
Chloroethane
Concen: Below Cal
RT: 1.654 min Scan# 93
Delta R.T. -0.006 min
Lab File: VX042149.D
Acq: 02 Jul 2024 18:52

Tgt Ion: 64 Resp: 178
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 0.694 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.067 min

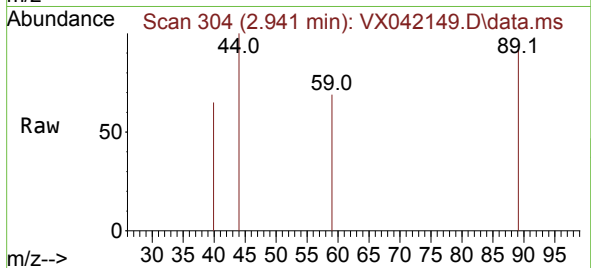
Lab File: VX042149.D

Acq: 02 Jul 2024 18:52

Instrument :

MSVOA_X

ClientSampleId :

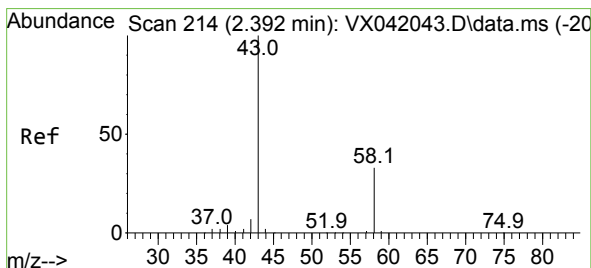
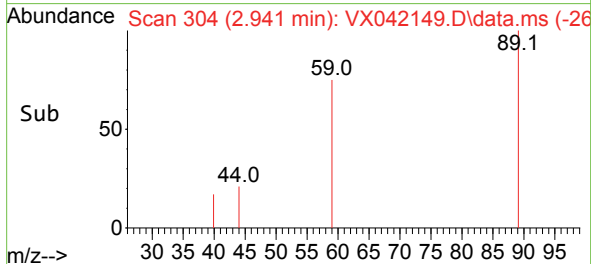
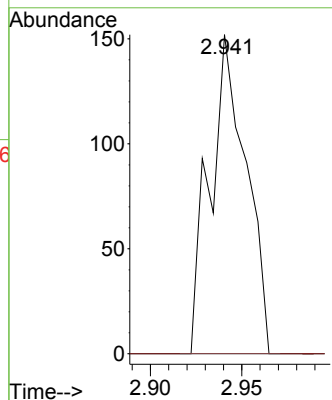


Tgt Ion: 59 Resp: 210

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 2.478 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX042149.D

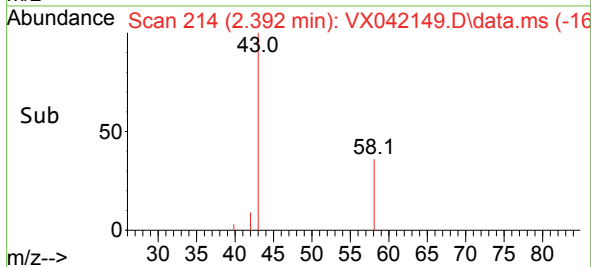
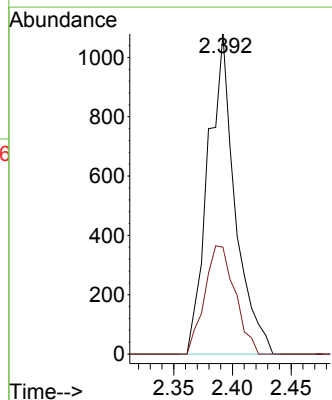
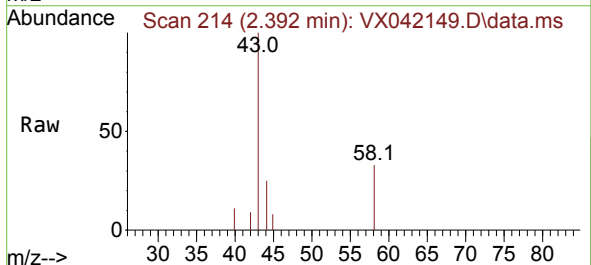
Acq: 02 Jul 2024 18:52

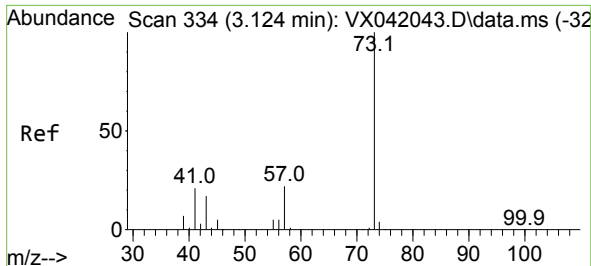
Tgt Ion: 43 Resp: 1734

Ion Ratio Lower Upper

43 100

58 33.4 21.9 32.9#

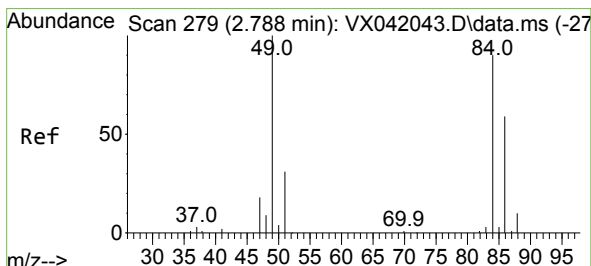
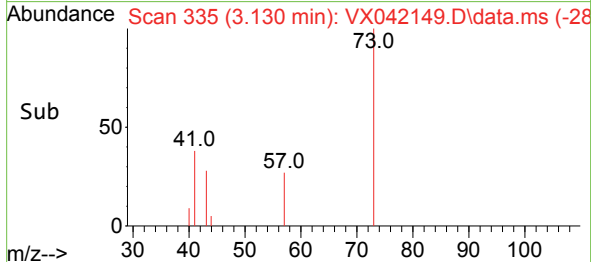
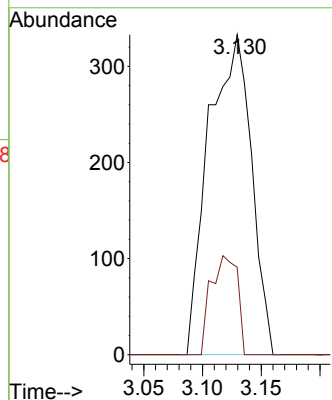
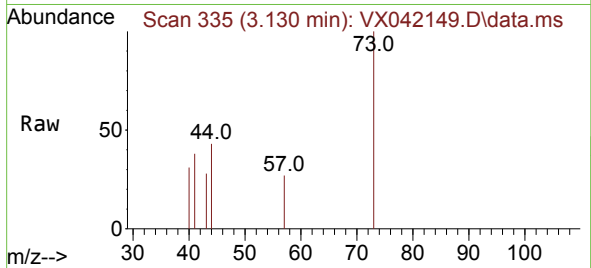




#19
Methyl tert-butyl Ether
Concen: 0.214 ug/l
RT: 3.130 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX042149.D
Acq: 02 Jul 2024 18:52

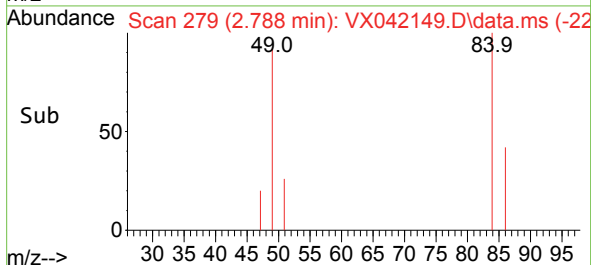
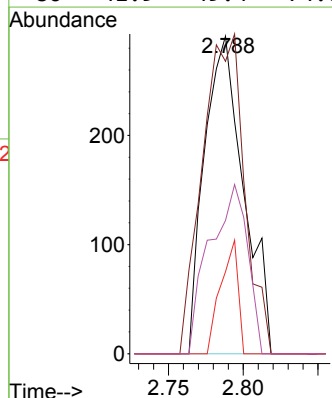
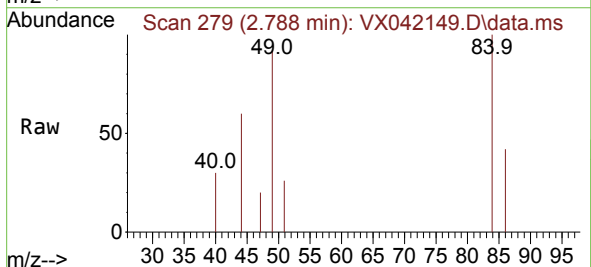
Instrument :
MSVOA_X
ClientSampleId :

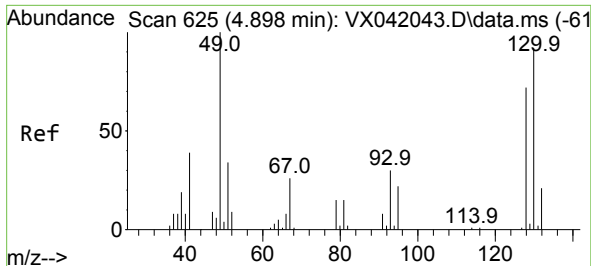
Tgt Ion: 73 Resp: 841
Ion Ratio Lower Upper
73 100
57 27.3 17.3 25.9#



#20
Methylene Chloride
Concen: 0.346 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX042149.D
Acq: 02 Jul 2024 18:52

Tgt Ion: 84 Resp: 530
Ion Ratio Lower Upper
84 100
49 92.1 103.6 155.4#
51 25.8 33.8 50.6#
86 41.9 49.4 74.0#





#28

Bromochloromethane

Concen: 1.321 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.195 min

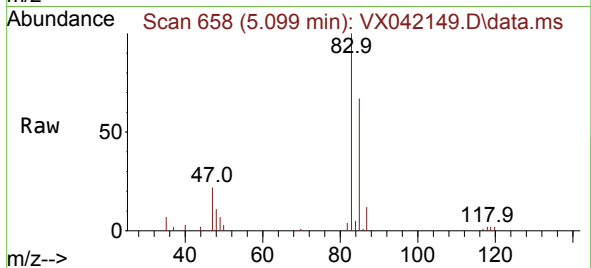
Lab File: VX042149.D

Acq: 02 Jul 2024 18:52

Instrument :

MSVOA_X

ClientSampleId :



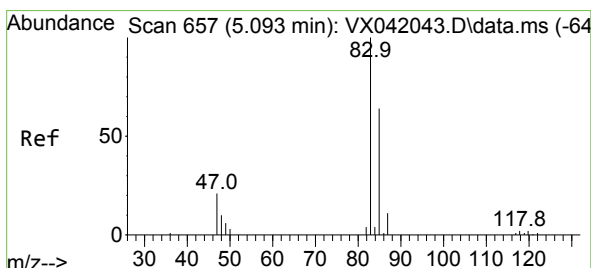
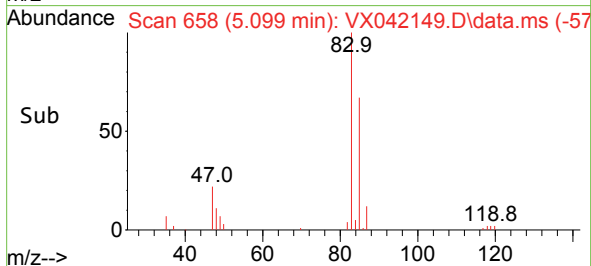
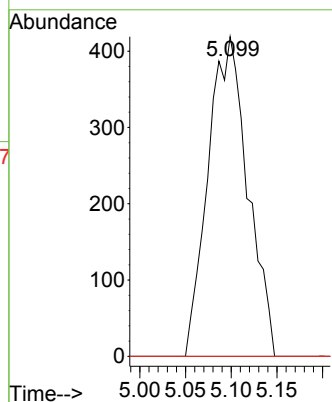
Tgt Ion: 49 Resp: 1266

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 57.5 86.3#



#30

Chloroform

Concen: 8.309 ug/l

RT: 5.093 min Scan# 657

Delta R.T. -0.006 min

Lab File: VX042149.D

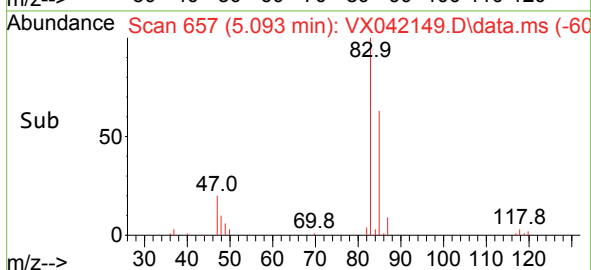
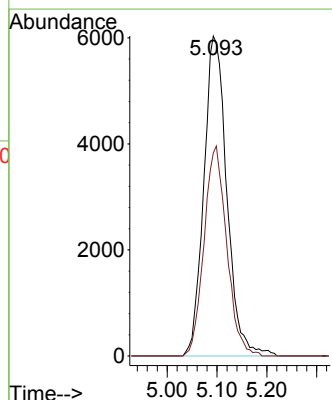
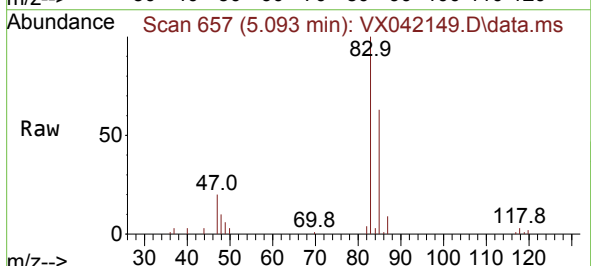
Acq: 02 Jul 2024 18:52

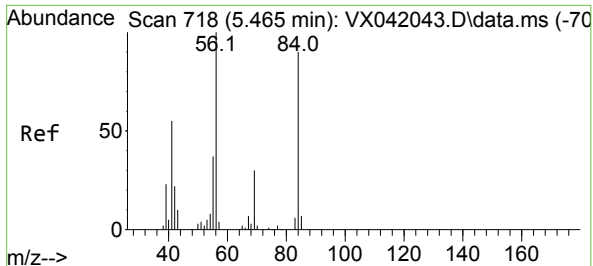
Tgt Ion: 83 Resp: 19373

Ion Ratio Lower Upper

83 100

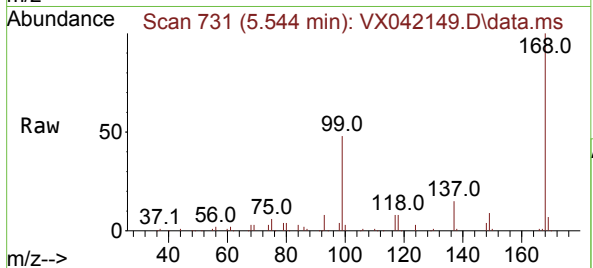
85 63.4 50.3 75.5



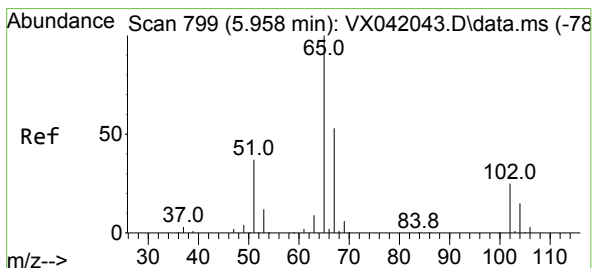
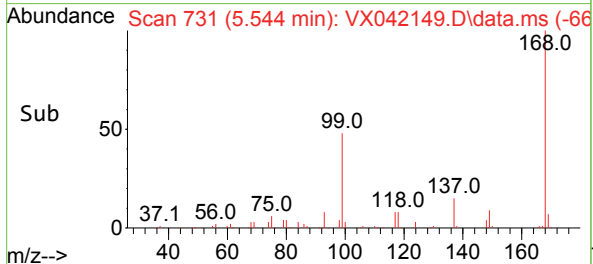
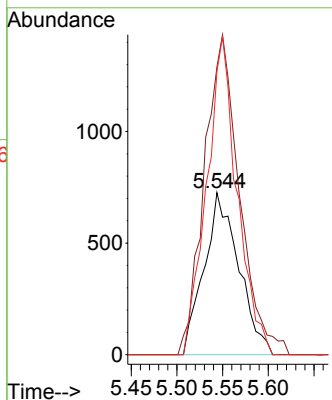


#31
Cyclohexane
Concen: 1.029 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX042149.D
Acq: 02 Jul 2024 18:52

Instrument :
MSVOA_X
ClientSampleId :

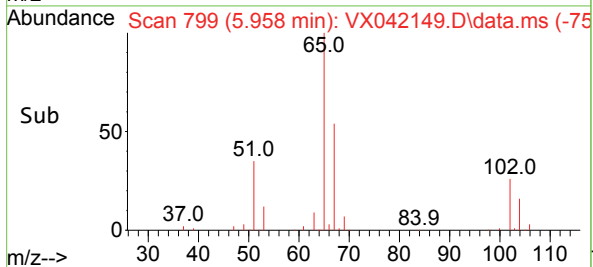
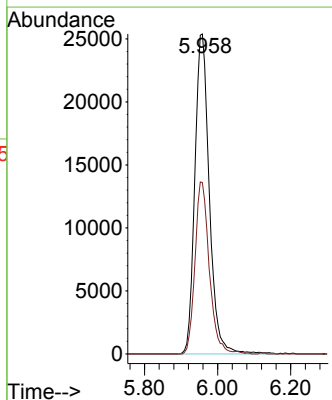
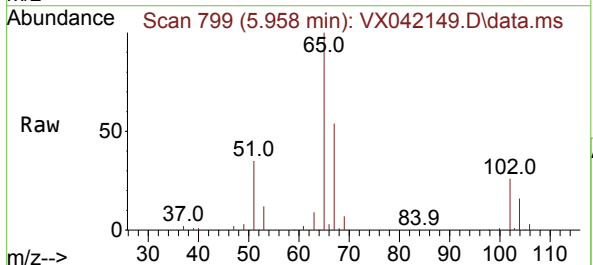


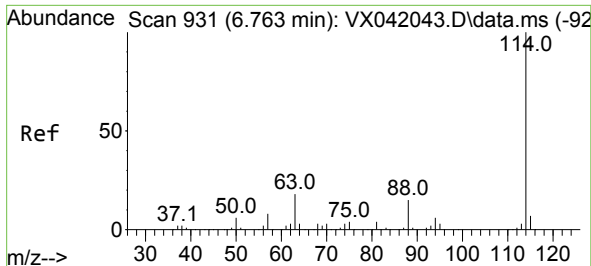
Tgt Ion: 56 Resp: 1917
Ion Ratio Lower Upper
56 100
69 177.7 23.4 35.2#
84 174.7 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 44.037 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX042149.D
Acq: 02 Jul 2024 18:52

Tgt Ion: 65 Resp: 70184
Ion Ratio Lower Upper
65 100
67 53.3 0.0 100.2

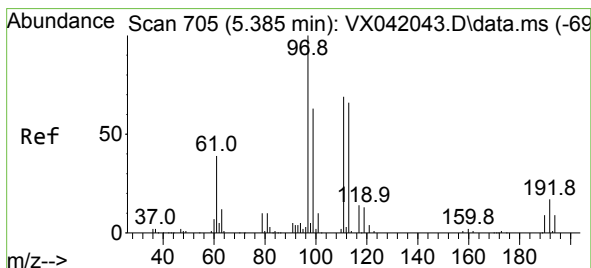
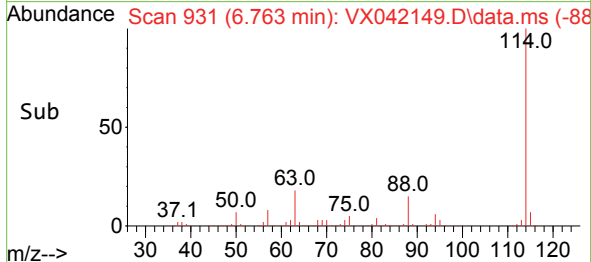
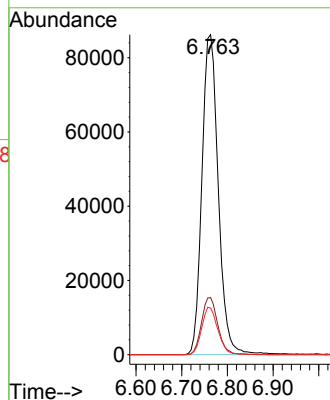
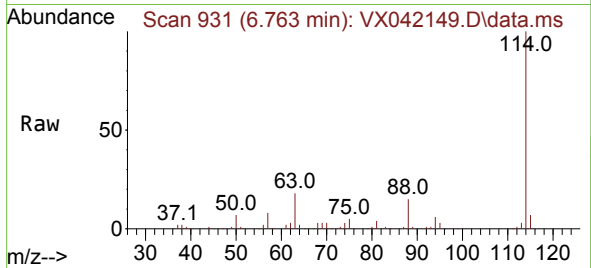




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX042149.D
Acq: 02 Jul 2024 18:52

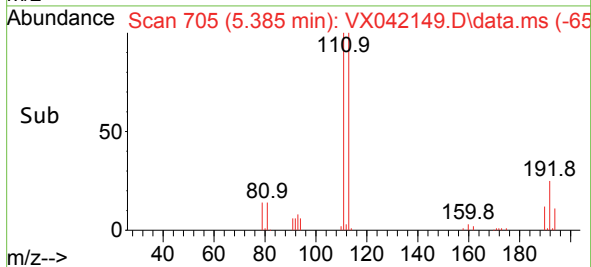
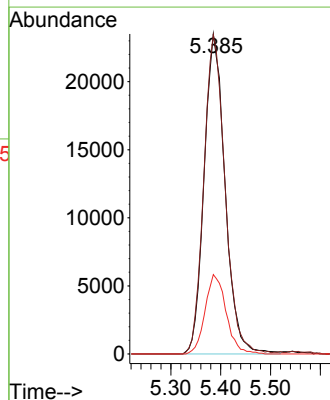
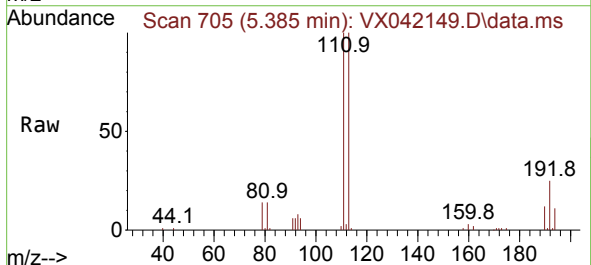
Instrument :
MSVOA_X
ClientSampleId :

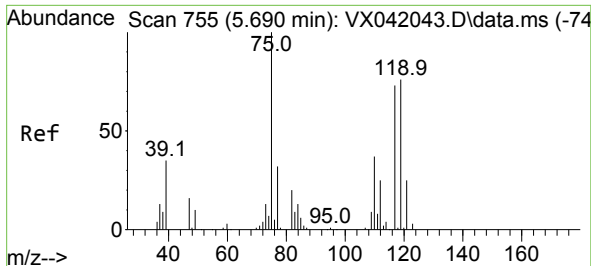
Tgt Ion:114 Resp: 213785
Ion Ratio Lower Upper
114 100
63 17.9 0.0 45.0
88 14.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.320 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042149.D
Acq: 02 Jul 2024 18:52

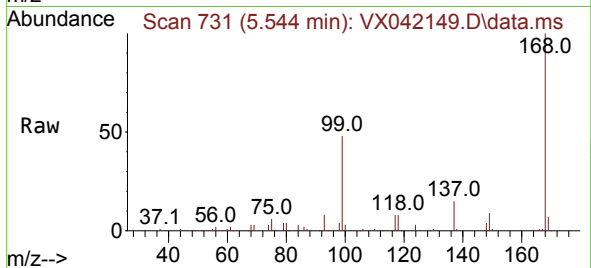
Tgt Ion:113 Resp: 68747
Ion Ratio Lower Upper
113 100
111 100.8 82.9 124.3
192 24.9 13.3 19.9#



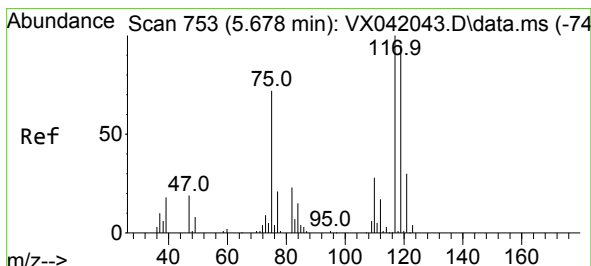
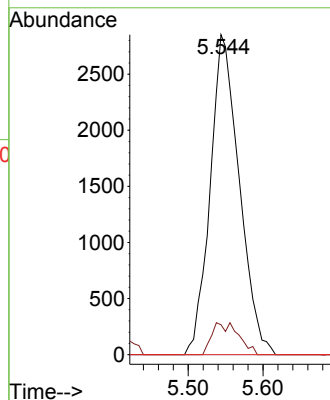
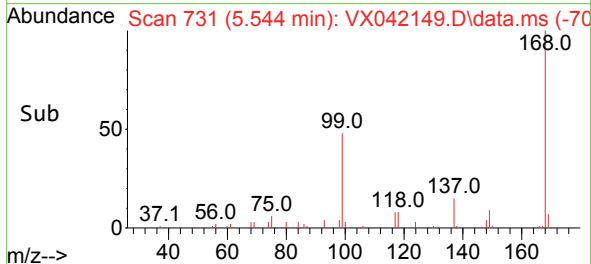


#36
1,1-Dichloropropene
Concen: 4.799 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX042149.D
Acq: 02 Jul 2024 18:52

Instrument :
MSVOA_X
ClientSampleId :

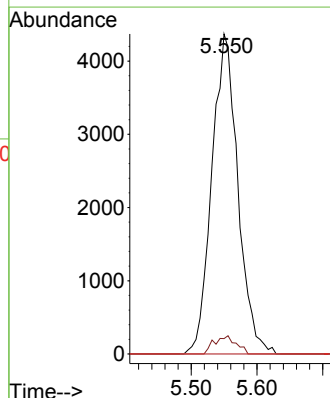
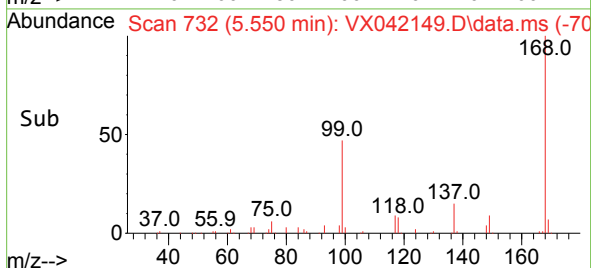
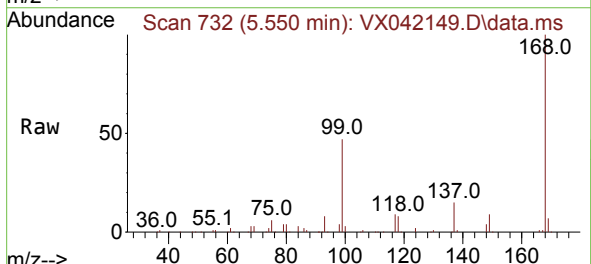


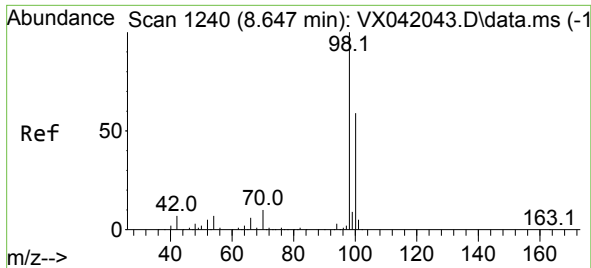
Tgt Ion: 75 Resp: 7731
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.773 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX042149.D
Acq: 02 Jul 2024 18:52

Tgt Ion: 117 Resp: 12054
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.2#
121 0.0 24.4 36.6#

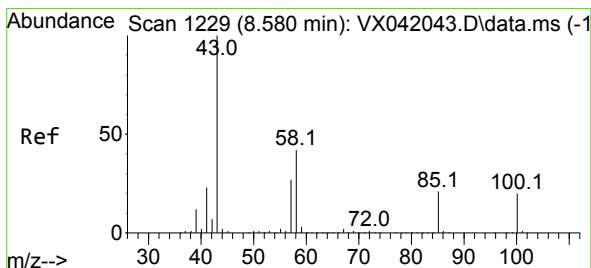
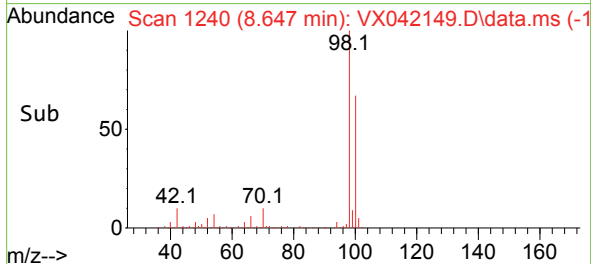
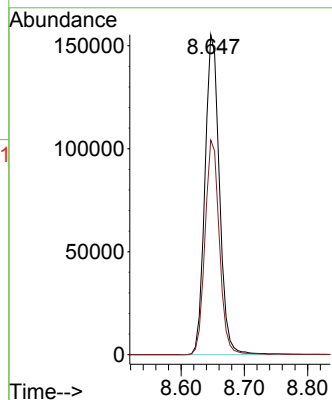
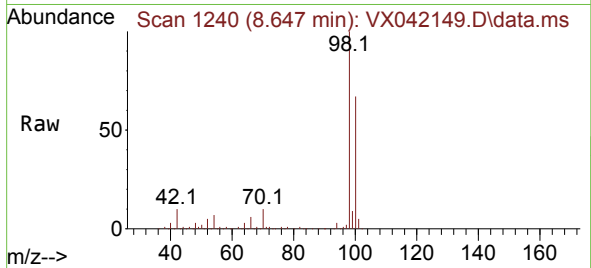




#50
Toluene-d8
Concen: 46.512 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042149.D
Acq: 02 Jul 2024 18:52

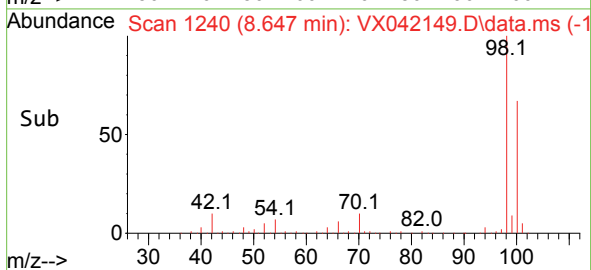
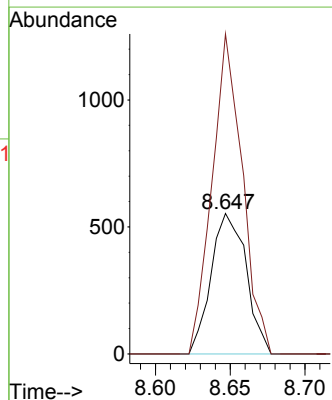
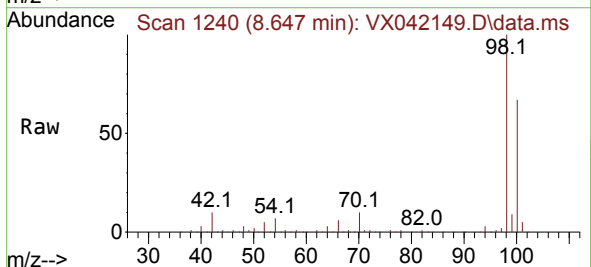
Instrument :
MSVOA_X
ClientSampleId :

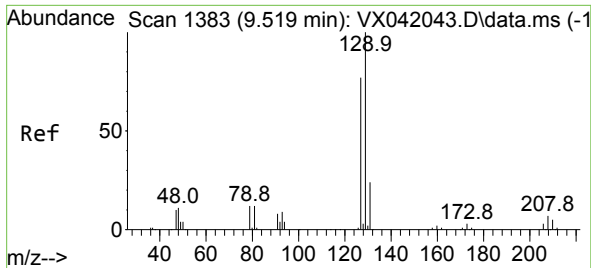
Tgt Ion: 98 Resp: 247861
Ion Ratio Lower Upper
98 100
100 66.7 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.407 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX042149.D
Acq: 02 Jul 2024 18:52

Tgt Ion: 43 Resp: 902
Ion Ratio Lower Upper
43 100
58 196.9 30.4 45.6#

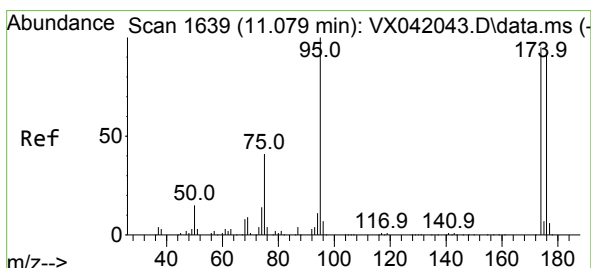
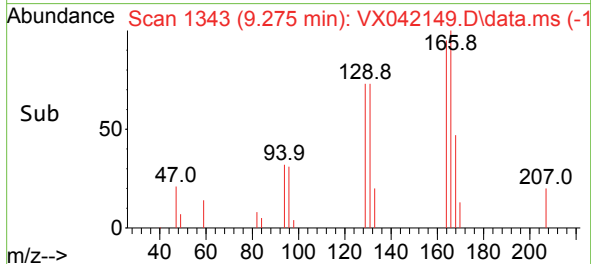
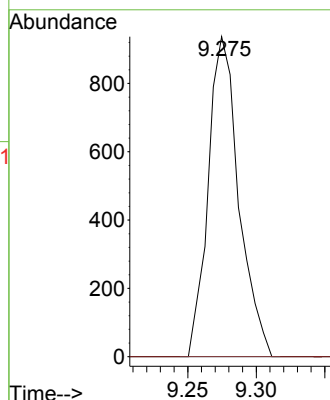
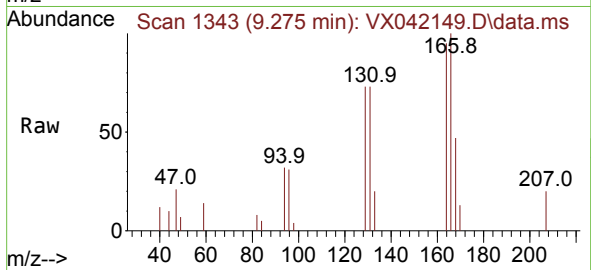




#60
Dibromochloromethane
Concen: 0.931 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX042149.D
Acq: 02 Jul 2024 18:52

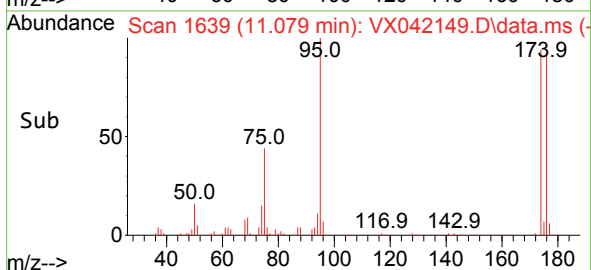
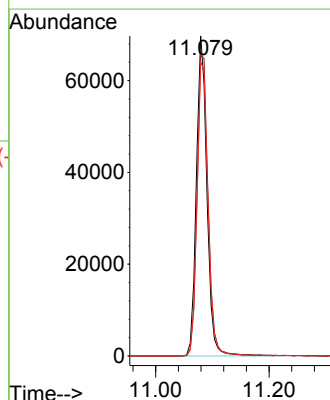
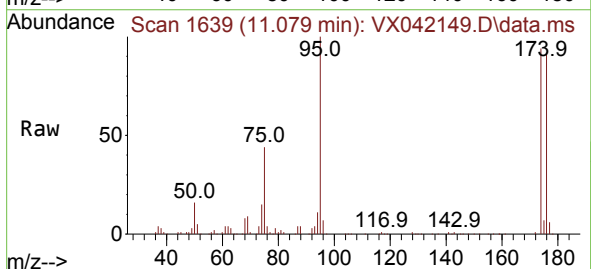
Instrument :
MSVOA_X
ClientSampleId :

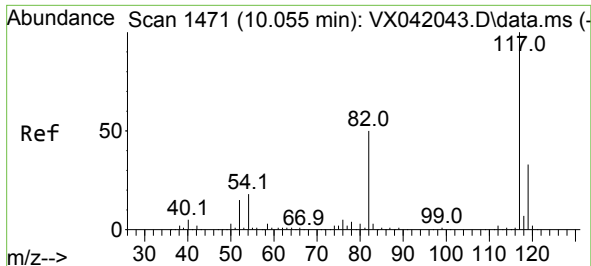
Tgt Ion:129 Resp: 1457
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 45.934 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042149.D
Acq: 02 Jul 2024 18:52

Tgt Ion: 95 Resp: 90232
Ion Ratio Lower Upper
95 100
174 98.4 0.0 135.6
176 95.3 0.0 131.0

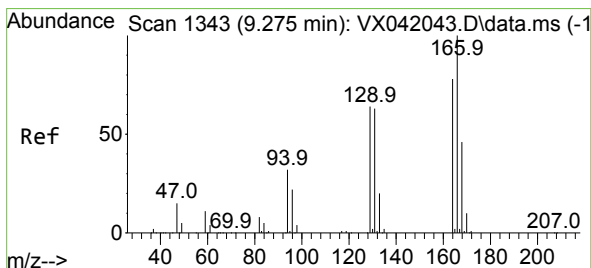
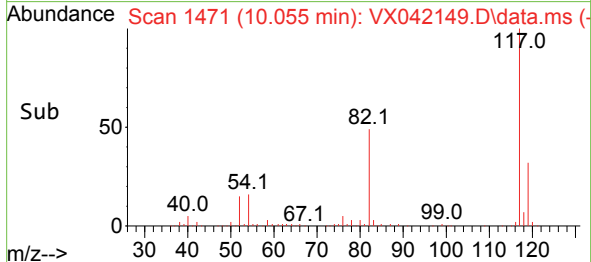
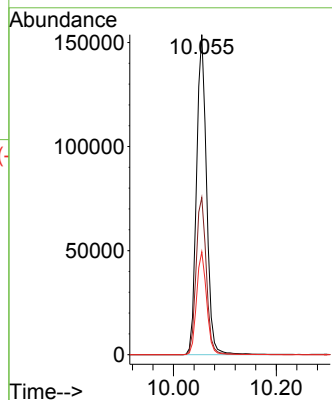
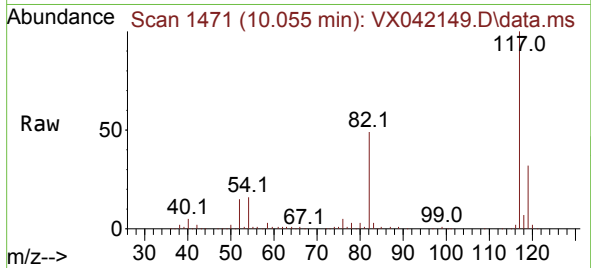




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042149.D
Acq: 02 Jul 2024 18:52

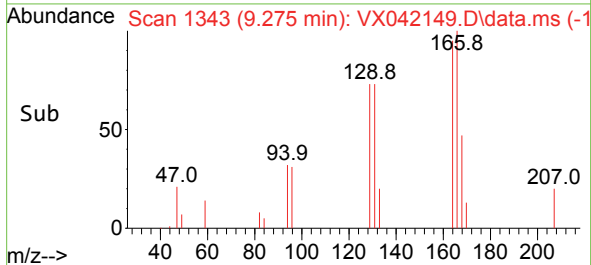
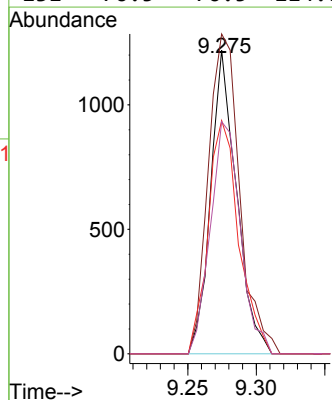
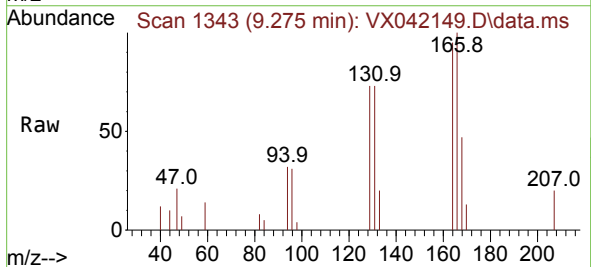
Instrument :
MSVOA_X
ClientSampleId :

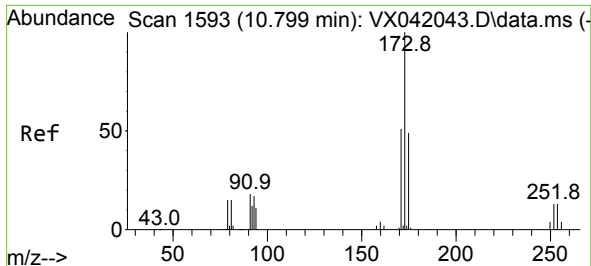
Tgt Ion:117 Resp: 208302
Ion Ratio Lower Upper
117 100
82 49.1 46.2 69.4
119 32.2 25.5 38.3



#64
Tetrachloroethene
Concen: 1.055 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX042149.D
Acq: 02 Jul 2024 18:52

Tgt Ion:164 Resp: 1600
Ion Ratio Lower Upper
164 100
166 105.3 102.7 154.1
129 76.8 80.4 120.6#
131 76.5 76.5 114.7#

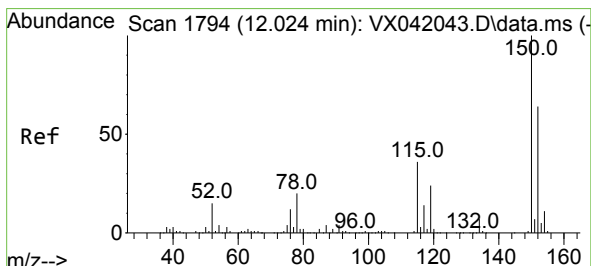
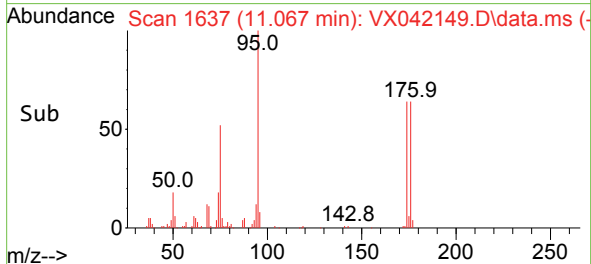
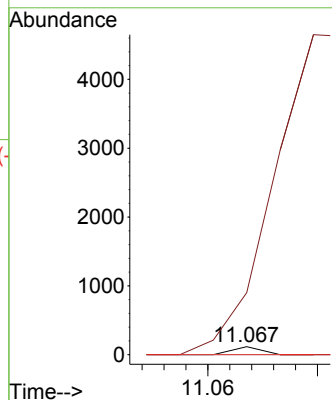
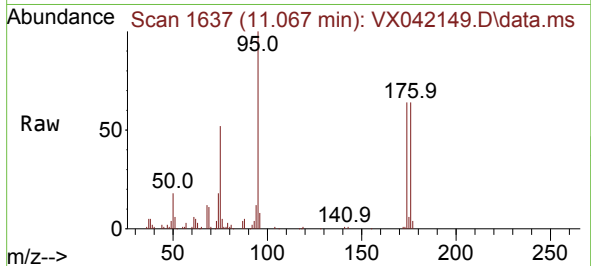




#71
Bromoform
Concen: 0.905 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.268 min
Lab File: VX042149.D
Acq: 02 Jul 2024 18:52

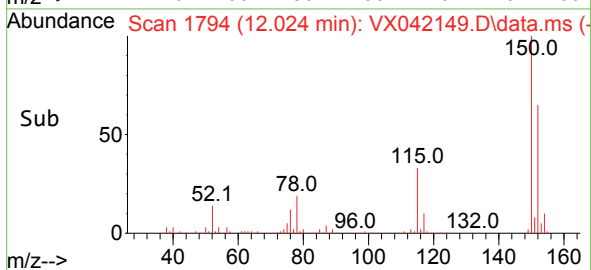
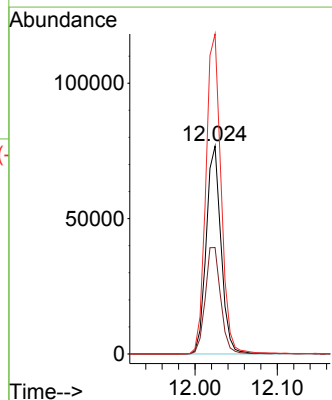
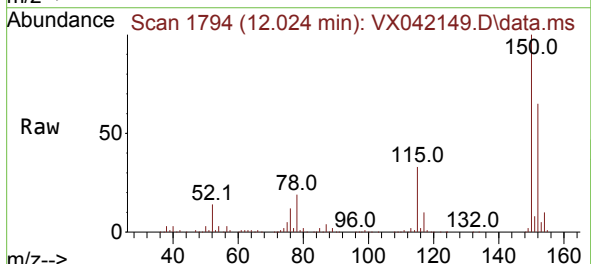
Instrument :
MSVOA_X
ClientSampleId :

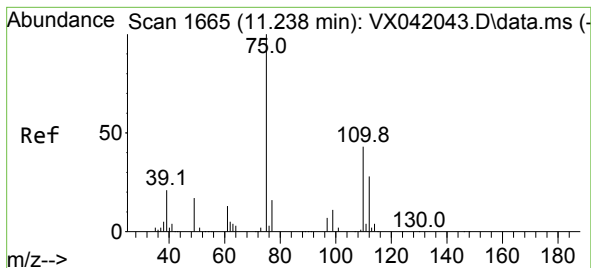
Tgt Ion:173 Resp: 42
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX042149.D
Acq: 02 Jul 2024 18:52

Tgt Ion:152 Resp: 96310
Ion Ratio Lower Upper
152 100
115 53.2 43.3 129.9
150 157.7 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 23.552 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX042149.D

Acq: 02 Jul 2024 18:52

Instrument :

MSVOA_X

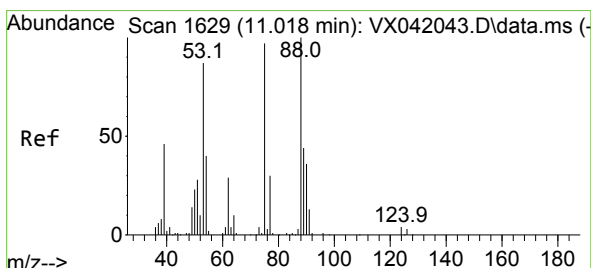
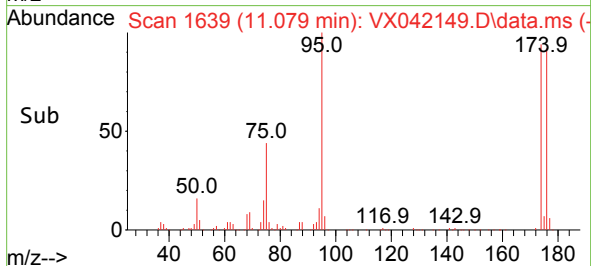
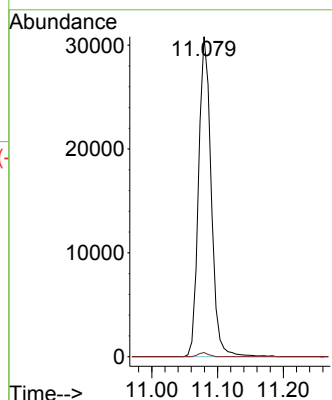
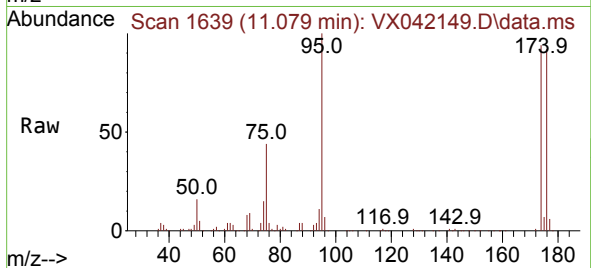
ClientSampleId :

Tgt Ion: 75 Resp: 41178

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.885 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042149.D

Acq: 02 Jul 2024 18:52

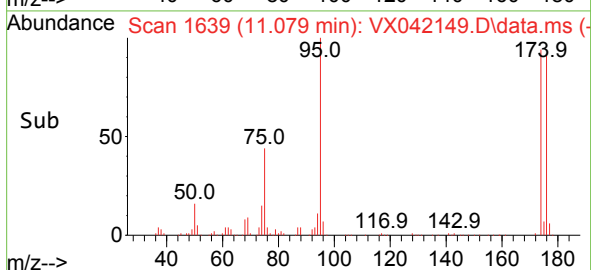
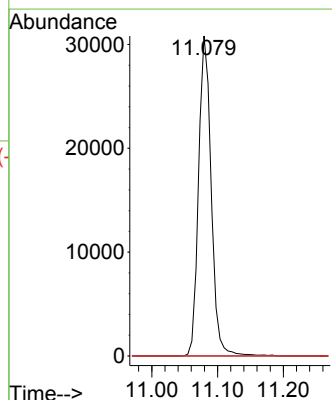
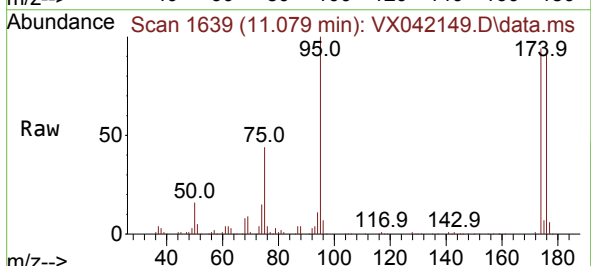
Tgt Ion: 75 Resp: 41178

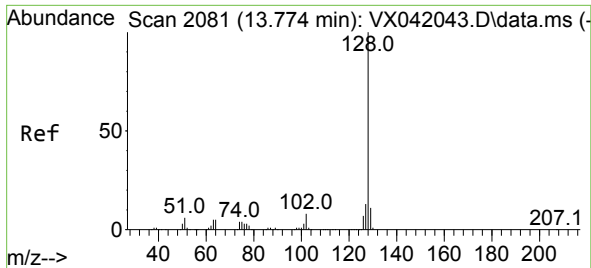
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

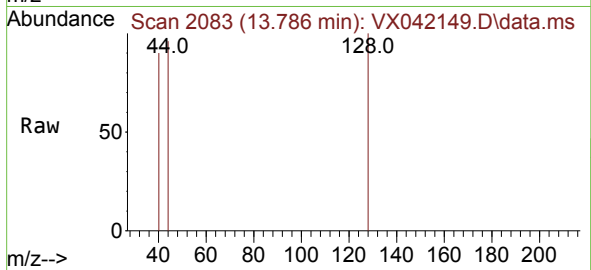
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 0.787 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX042149.D
Acq: 02 Jul 2024 18:52

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

