

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121223\
 Data File : VX039167.D
 Acq On : 12 Dec 2023 15:48
 Operator : JC/MD
 Sample : 05719-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 13 04:17:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

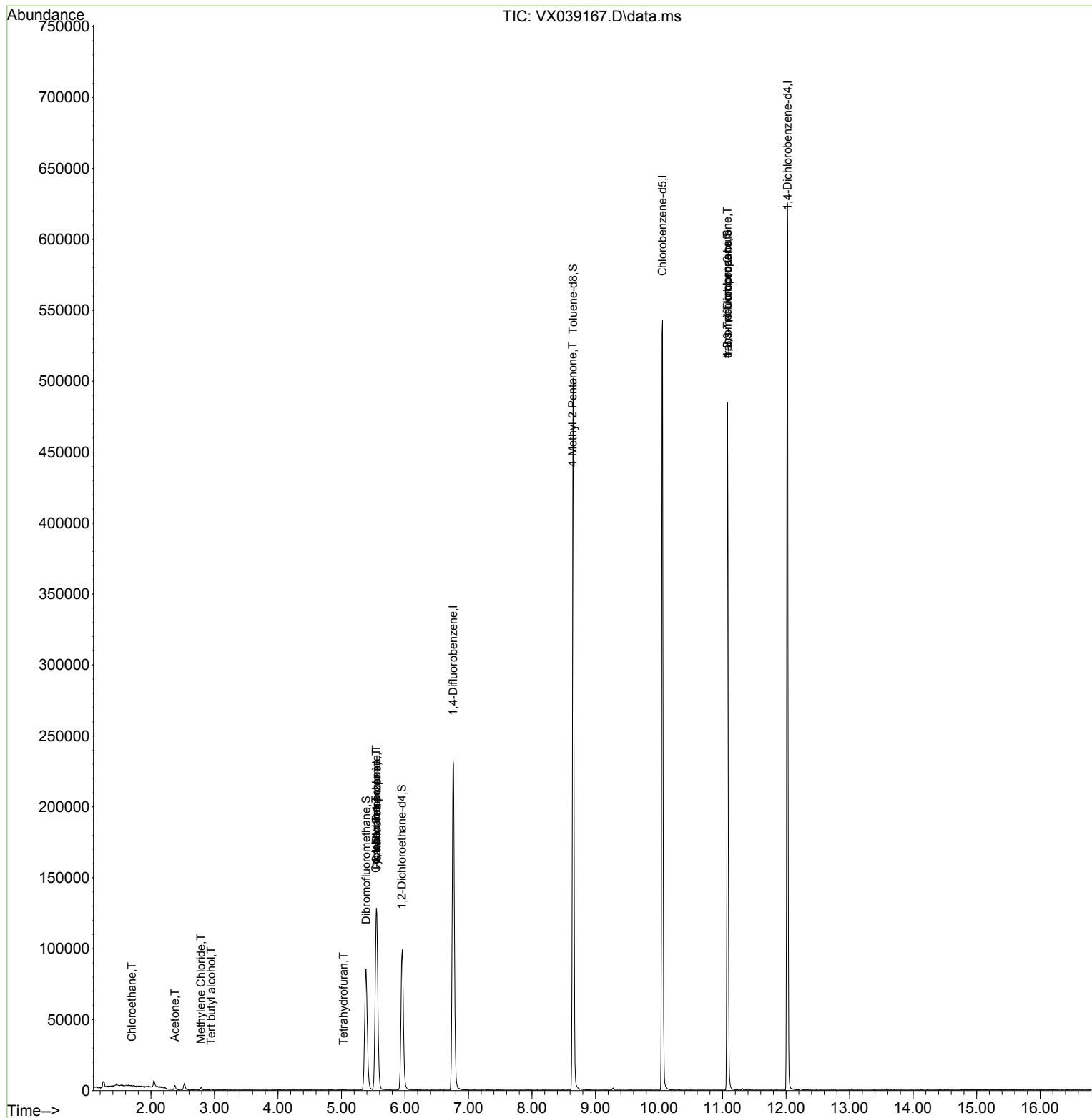
Internal Standards						
1) Pentafluorobenzene	5.556	168	110411	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	227744	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	235171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	119739	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	96371	54.168	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.340%	
35) Dibromofluoromethane	5.385	113	73710	44.813	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 89.620%	
50) Toluene-d8	8.647	98	288076	45.776	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 91.560%#	
62) 4-Bromofluorobenzene	11.079	95	133597	53.032	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.060%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.697	64	558	0.604	ug/l #	43
11) Tert butyl alcohol	2.946	59	618	1.249	ug/l #	78
16) Acetone	2.380	43	2952	3.117	ug/l #	81
20) Methylene Chloride	2.788	84	775	0.454	ug/l #	88
29) Tetrahydrofuran	5.031	42	370	0.379	ug/l #	34
31) Cyclohexane	5.544	56	3263	1.285	ug/l #	2
36) 1,1-Dichloropropene	5.550	75	10552	4.476	ug/l #	50
38) Carbon Tetrachloride	5.550	117	13036	5.983	ug/l #	15
51) 4-Methyl-2-Pentanone	8.641	43	1506	0.480	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	73199	24.502	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	73199	54.348	ug/l #	5

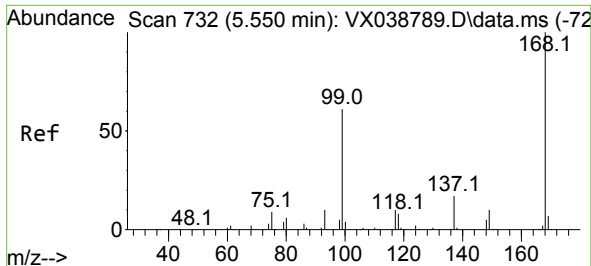
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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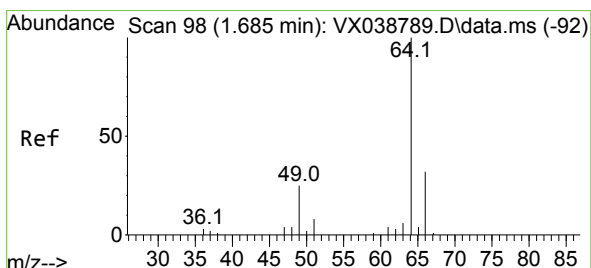
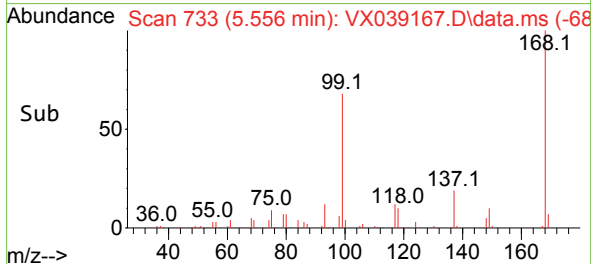
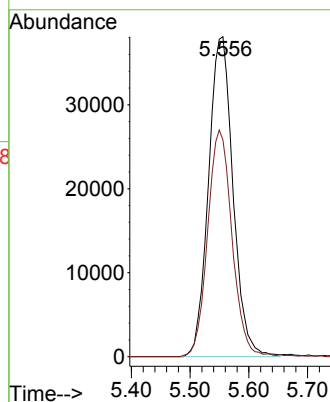
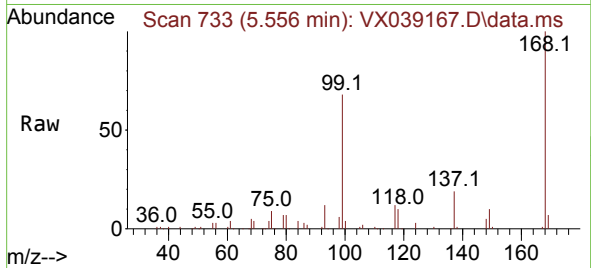




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX039167.D
Acq: 12 Dec 2023 15:48

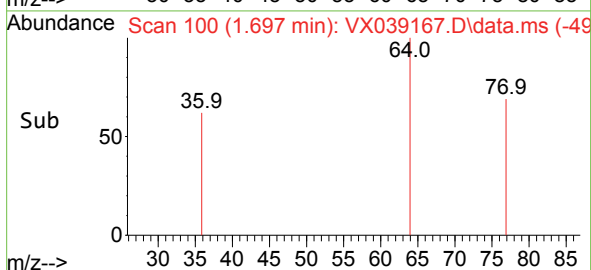
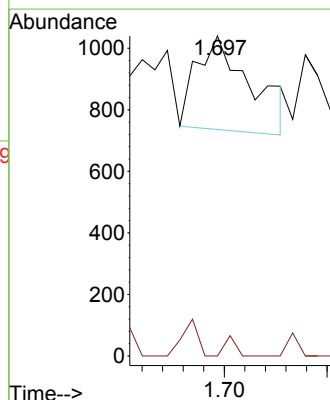
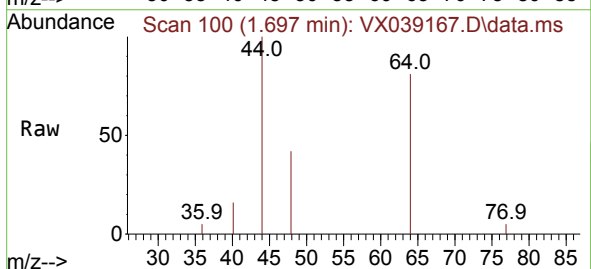
Instrument :
MSVOA_X
ClientSampleId :

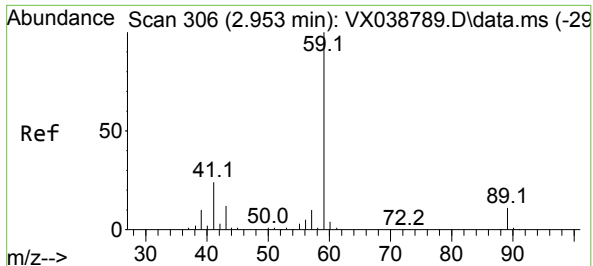
Tgt Ion:168 Resp: 110411
Ion Ratio Lower Upper
168 100
99 67.8 56.6 85.0



#6
Chloroethane
Concen: 0.604 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX039167.D
Acq: 12 Dec 2023 15:48

Tgt Ion: 64 Resp: 558
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 1.249 ug/l

RT: 2.946 min Scan# 306

Delta R.T. -0.006 min

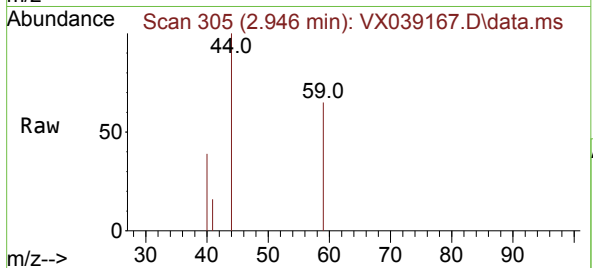
Lab File: VX039167.D

Acq: 12 Dec 2023 15:48

Instrument :

MSVOA_X

ClientSampleId :

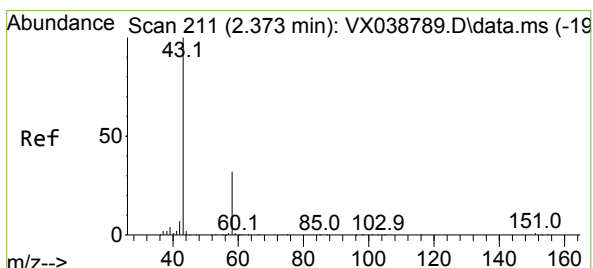
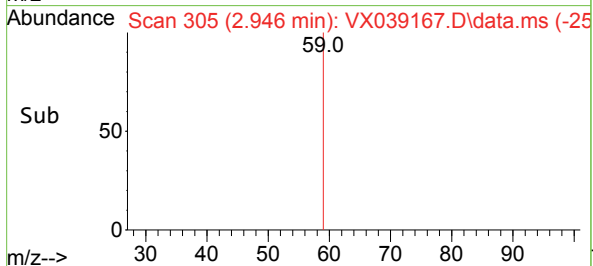
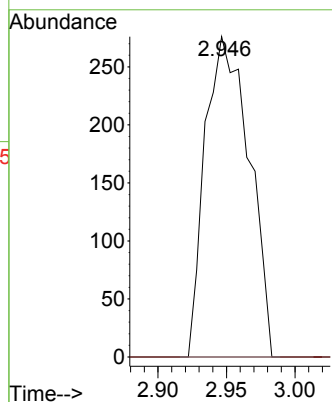


Tgt Ion: 59 Resp: 618

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 3.117 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX039167.D

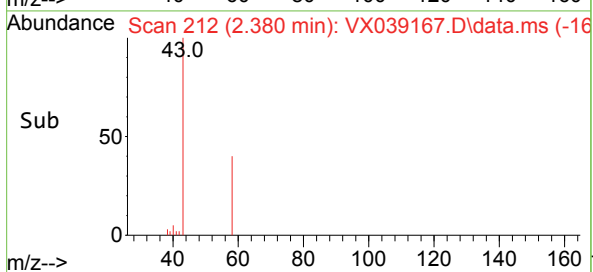
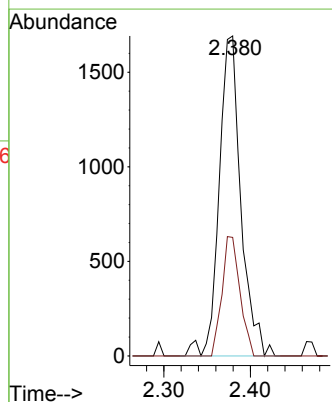
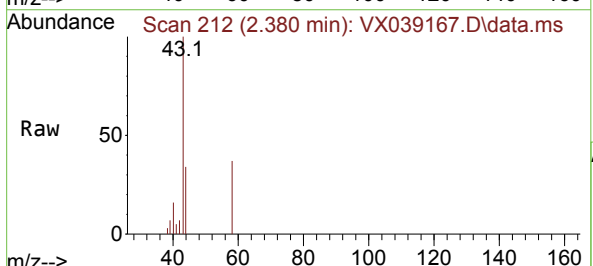
Acq: 12 Dec 2023 15:48

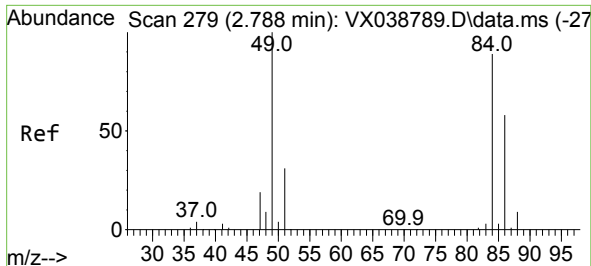
Tgt Ion: 43 Resp: 2952

Ion Ratio Lower Upper

43 100

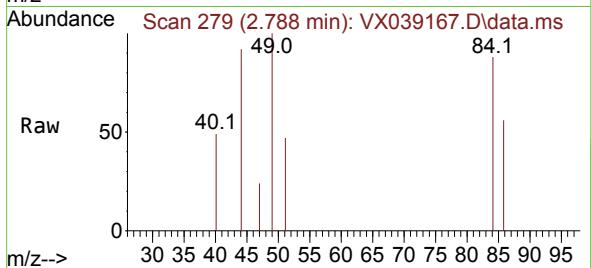
58 37.1 21.9 32.9#



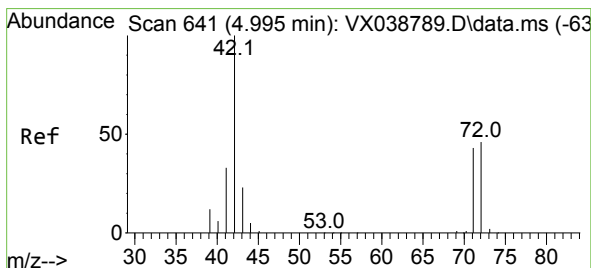
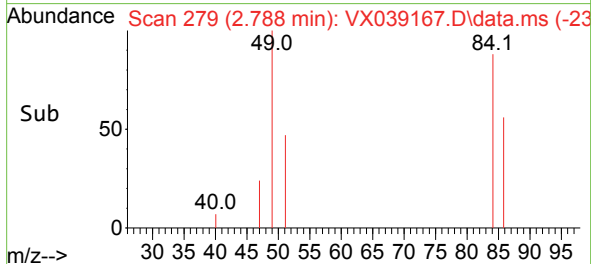
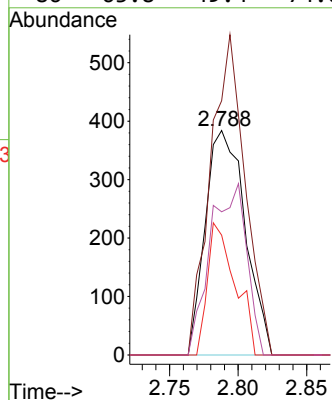


#20
Methylene Chloride
Concen: 0.454 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX039167.D
Acq: 12 Dec 2023 15:48

Instrument :
MSVOA_X
ClientSampleId :

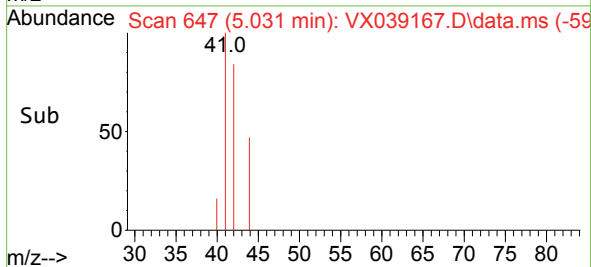
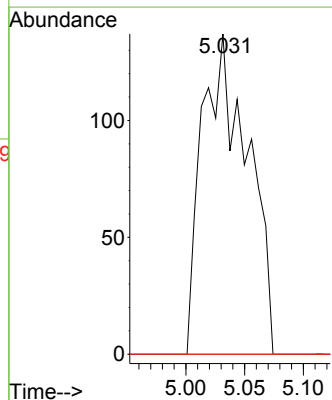
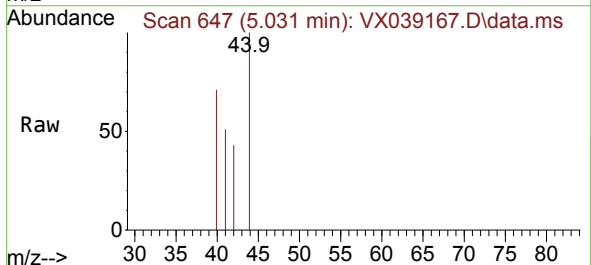


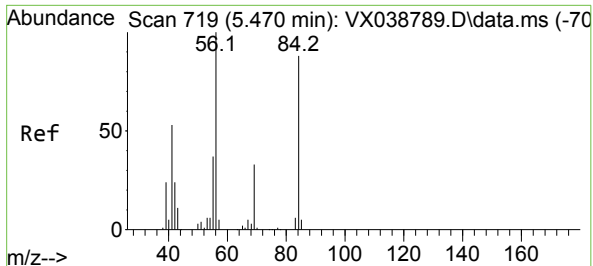
Tgt Ion: 84	Resp: 775
Ion Ratio	Lower Upper
84 100	
49 113.3	103.6 155.4
51 53.4	33.8 50.6#
86 63.8	49.4 74.0



#29
Tetrahydrofuran
Concen: 0.379 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.037 min
Lab File: VX039167.D
Acq: 12 Dec 2023 15:48

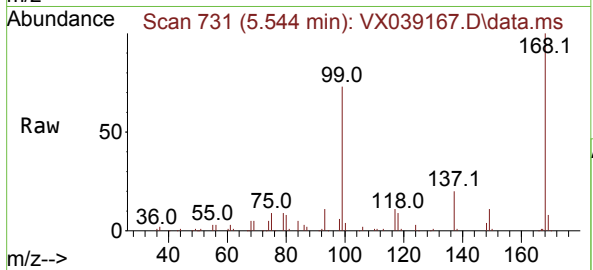
Tgt Ion: 42	Resp: 370
Ion Ratio	Lower Upper
42 100	
72 0.0	34.2 51.4#
71 0.0	32.2 48.2#



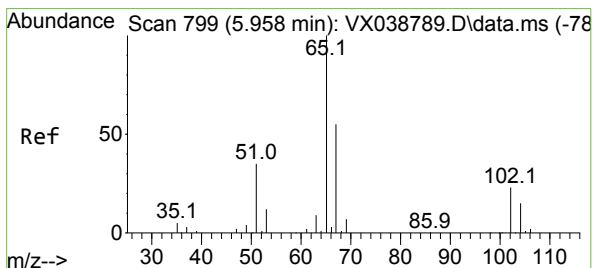
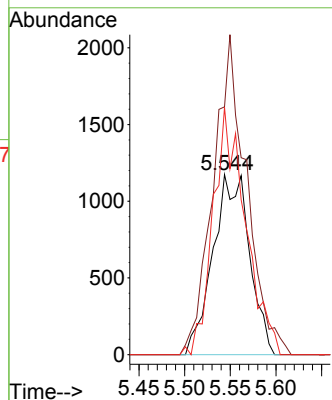
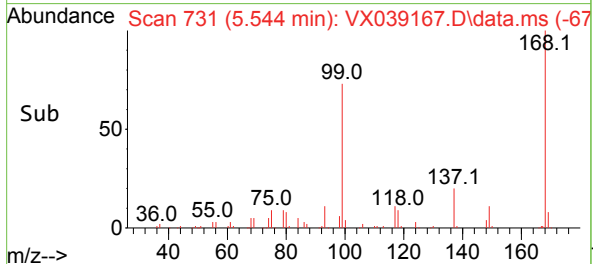


#31
Cyclohexane
Concen: 1.285 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX039167.D
Acq: 12 Dec 2023 15:48

Instrument :
MSVOA_X
ClientSampleId :

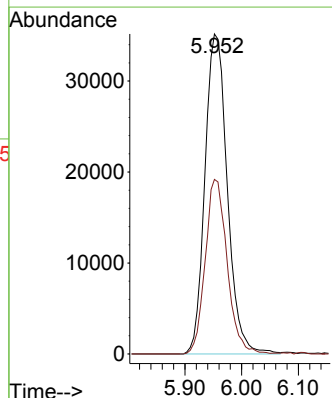
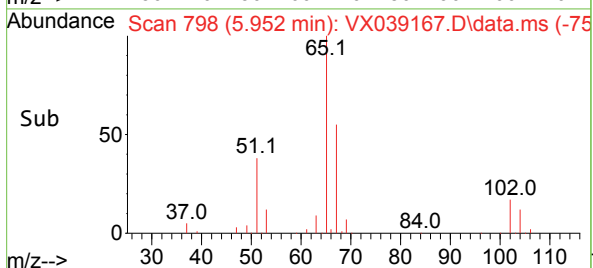
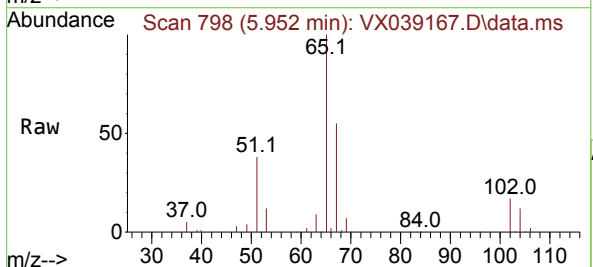


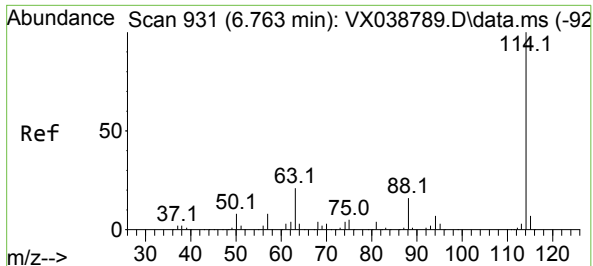
Tgt Ion: 56 Resp: 3263
Ion Ratio Lower Upper
56 100
69 137.6 23.4 35.2#
84 137.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 54.168 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX039167.D
Acq: 12 Dec 2023 15:48

Tgt Ion: 65 Resp: 96371
Ion Ratio Lower Upper
65 100
67 53.4 0.0 100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX039167.D

Acq: 12 Dec 2023 15:48

Instrument :

MSVOA_X

ClientSampleId :

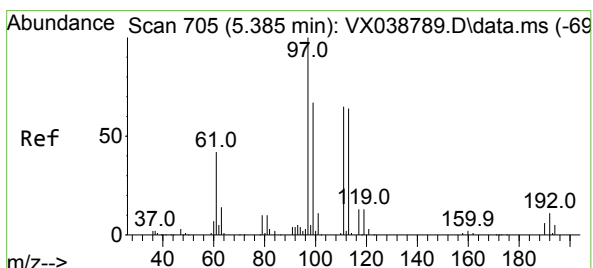
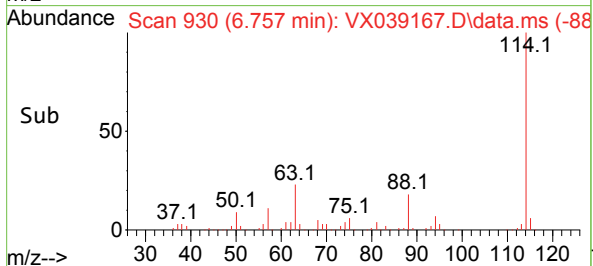
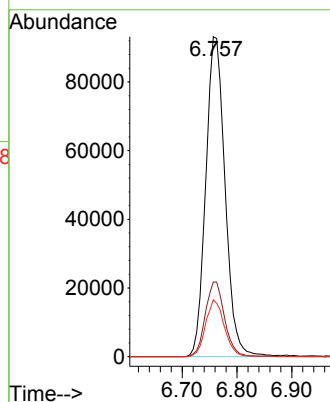
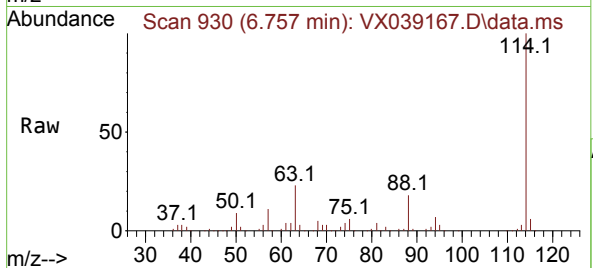
Tgt Ion:114 Resp: 227744

Ion Ratio Lower Upper

114 100

63 23.4 0.0 45.0

88 17.8 0.0 36.6



#35

Dibromofluoromethane

Concen: 44.813 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX039167.D

Acq: 12 Dec 2023 15:48

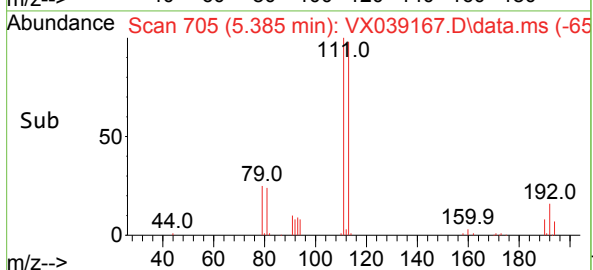
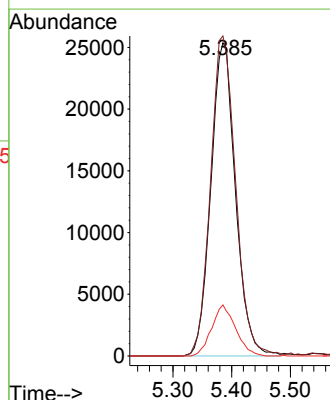
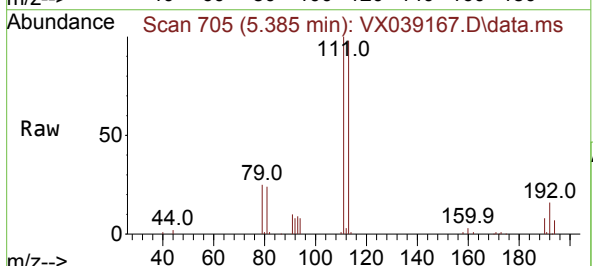
Tgt Ion:113 Resp: 73710

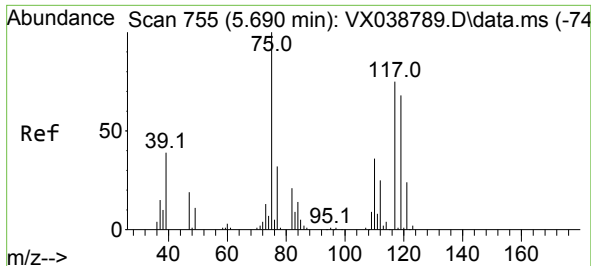
Ion Ratio Lower Upper

113 100

111 104.4 82.9 124.3

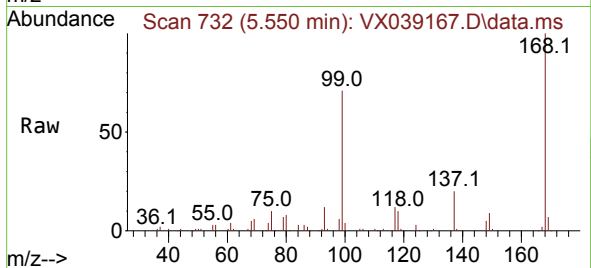
192 15.9 13.3 19.9



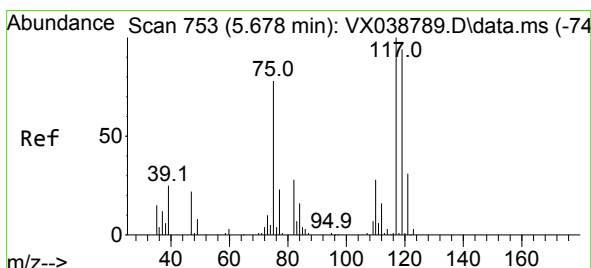
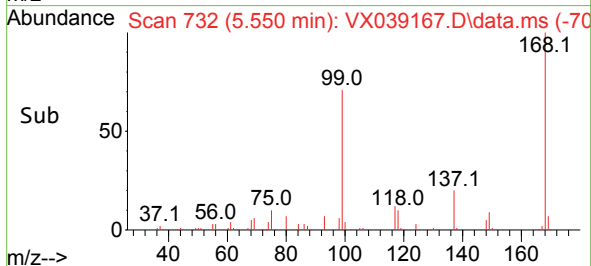
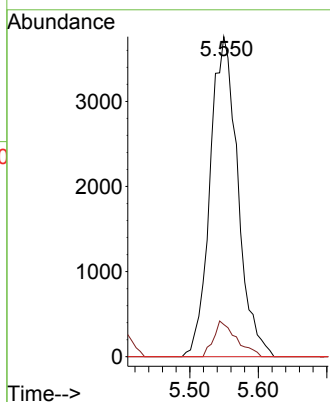


#36
1,1-Dichloropropene
Concen: 4.476 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX039167.D
Acq: 12 Dec 2023 15:48

Instrument :
MSVOA_X
ClientSampleId :

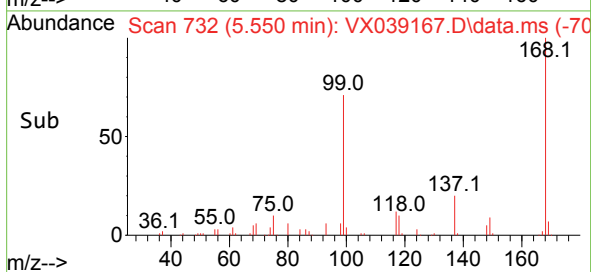
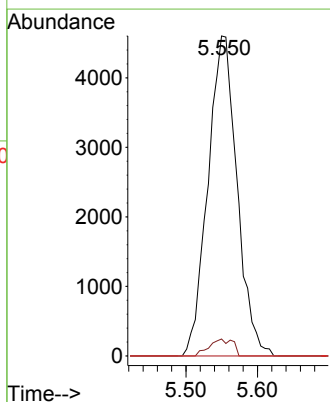
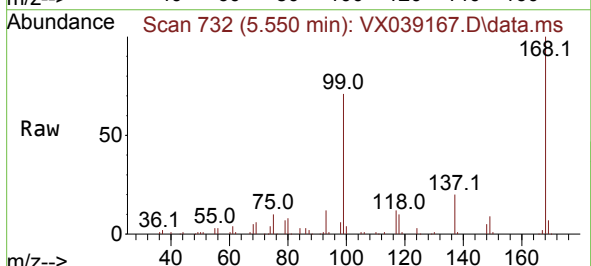


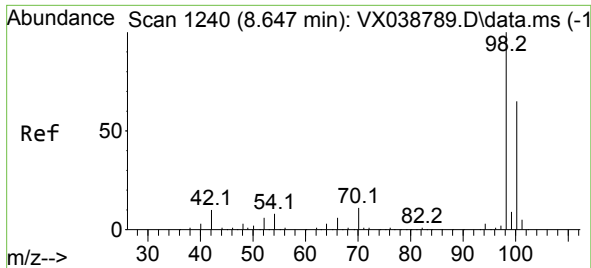
Tgt Ion: 75 Resp: 10552
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.983 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX039167.D
Acq: 12 Dec 2023 15:48

Tgt Ion: 117 Resp: 13036
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.2#
121 0.0 24.4 36.6#

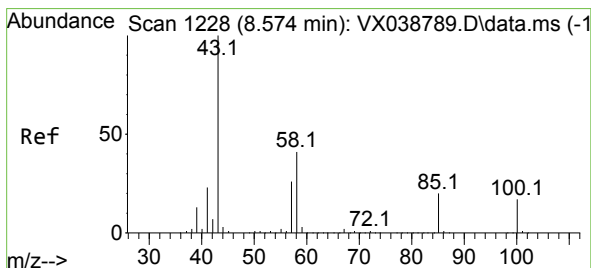
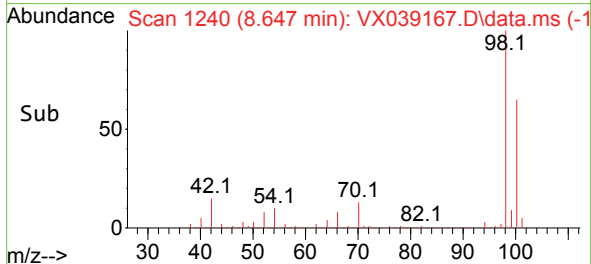
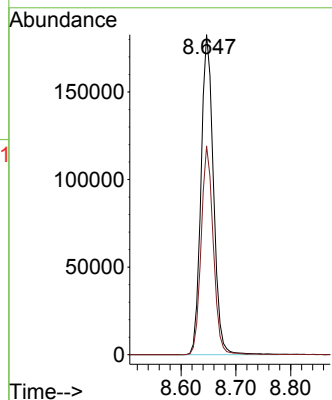
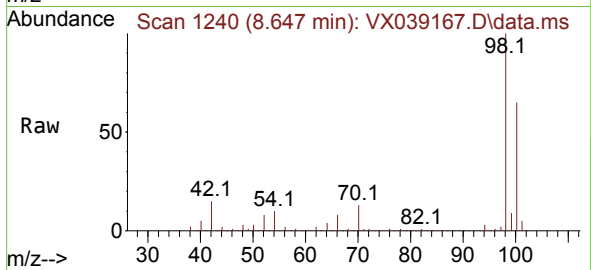




#50
Toluene-d8
Concen: 45.776 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX039167.D
Acq: 12 Dec 2023 15:48

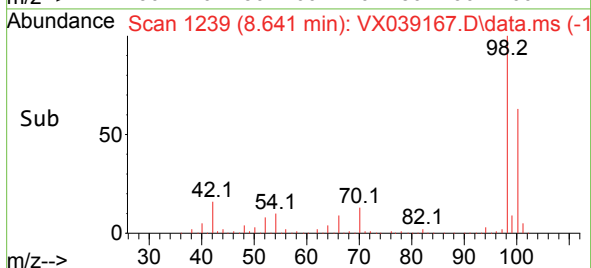
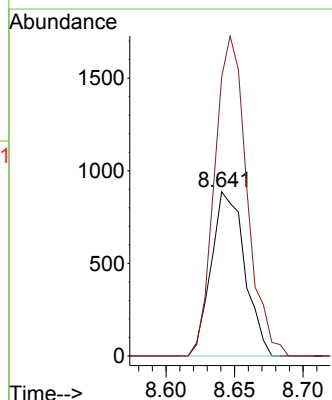
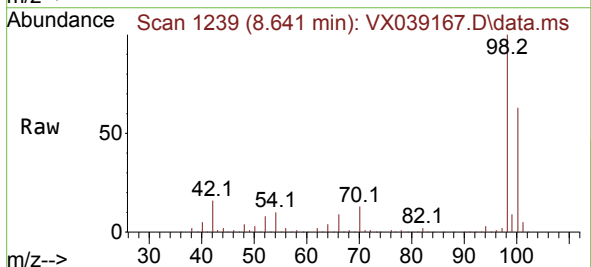
Instrument :
MSVOA_X
ClientSampleId :

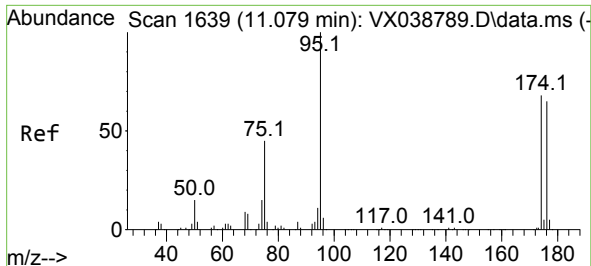
Tgt Ion: 98 Resp: 288076
Ion Ratio Lower Upper
98 100
100 63.7 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.480 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX039167.D
Acq: 12 Dec 2023 15:48

Tgt Ion: 43 Resp: 1506
Ion Ratio Lower Upper
43 100
58 188.1 30.4 45.6#





#62

4-Bromofluorobenzene

Concen: 53.032 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX039167.D

Acq: 12 Dec 2023 15:48

Instrument :

MSVOA_X

ClientSampleId :

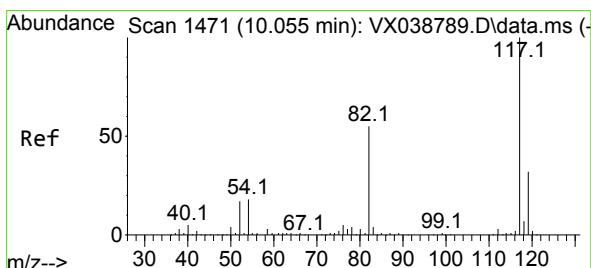
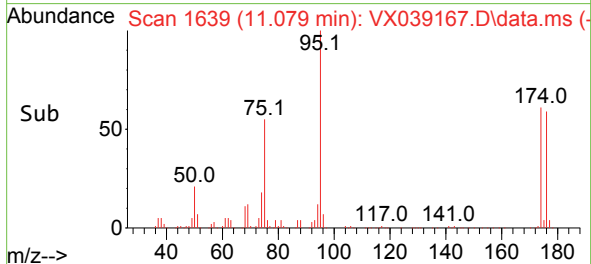
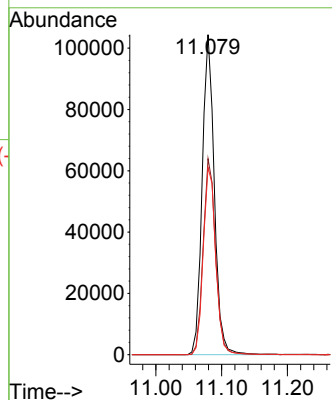
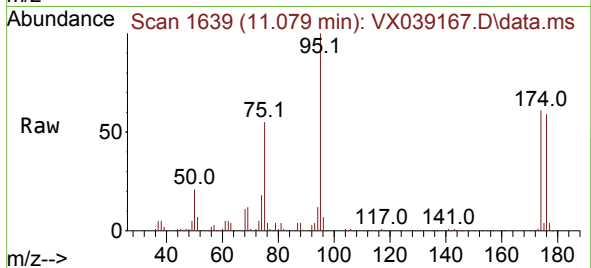
Tgt Ion: 95 Resp: 133597

Ion Ratio Lower Upper

95 100

174 62.7 0.0 135.6

176 60.3 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: VX039167.D

Acq: 12 Dec 2023 15:48

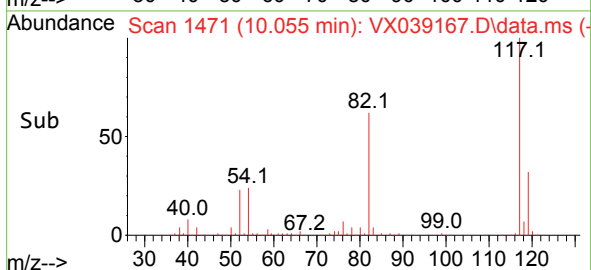
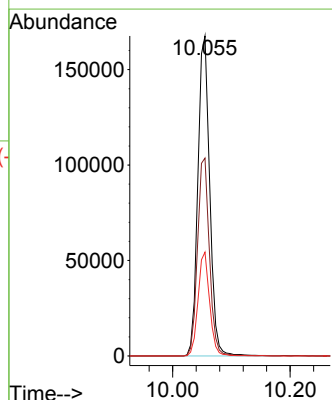
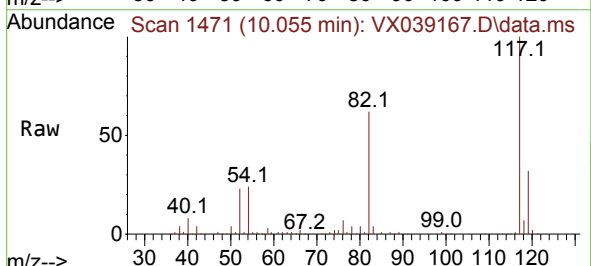
Tgt Ion: 117 Resp: 235171

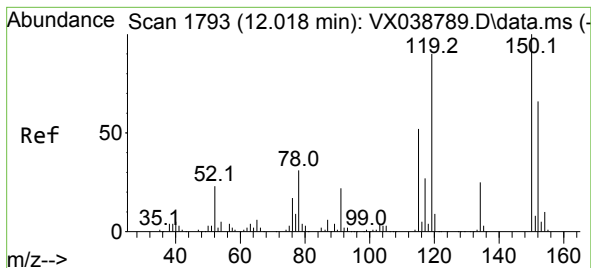
Ion Ratio Lower Upper

117 100

82 61.8 46.2 69.4

119 32.5 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX039167.D

Acq: 12 Dec 2023 15:48

Instrument :

MSVOA_X

ClientSampleId :

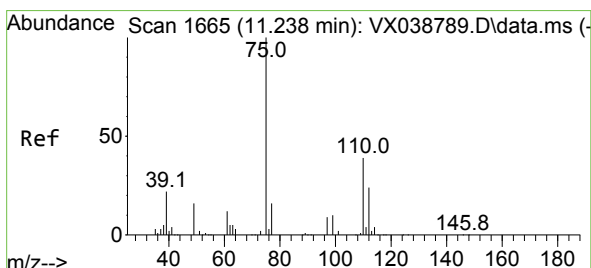
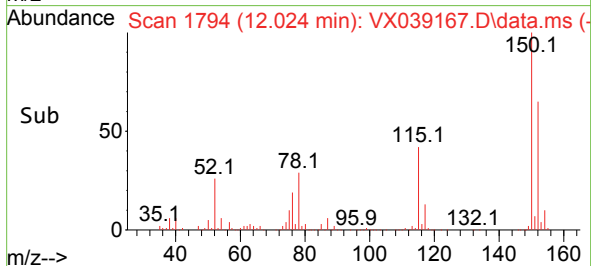
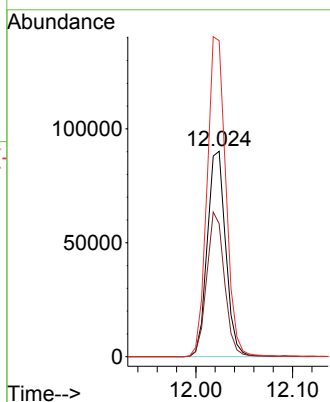
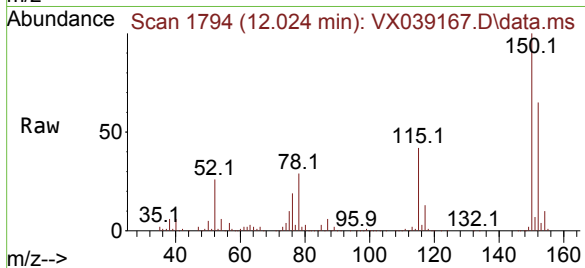
Tgt Ion:152 Resp: 119739

Ion Ratio Lower Upper

152 100

115 68.2 43.3 129.9

150 158.1 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 24.502 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX039167.D

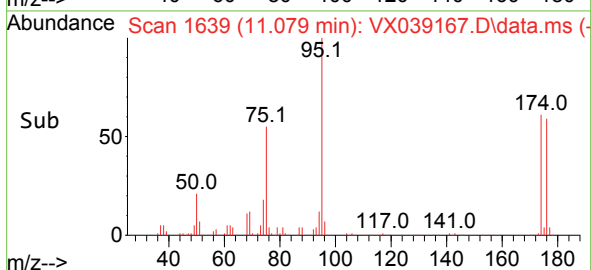
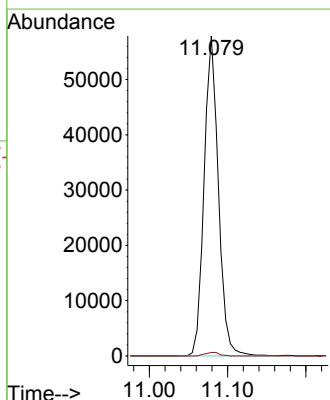
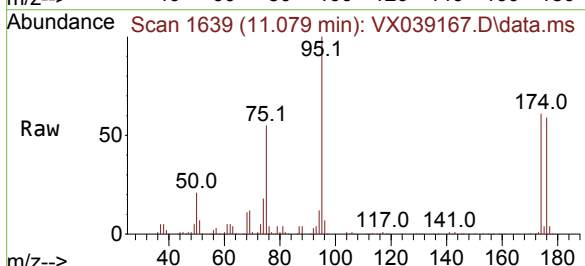
Acq: 12 Dec 2023 15:48

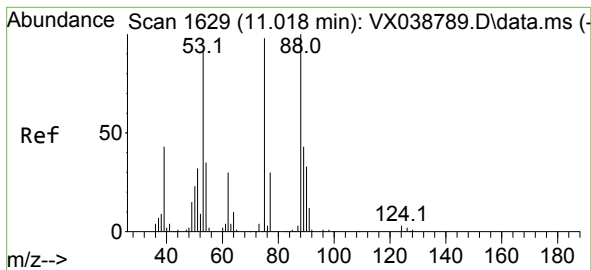
Tgt Ion: 75 Resp: 73199

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.348 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX039167.D
 Acq: 12 Dec 2023 15:48

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 75 Resp: 73199
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

