

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122223\
 Data File : VX039439.D
 Acq On : 22 Dec 2023 14:55
 Operator : JC/MD
 Sample : 05966-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 23 06:25:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

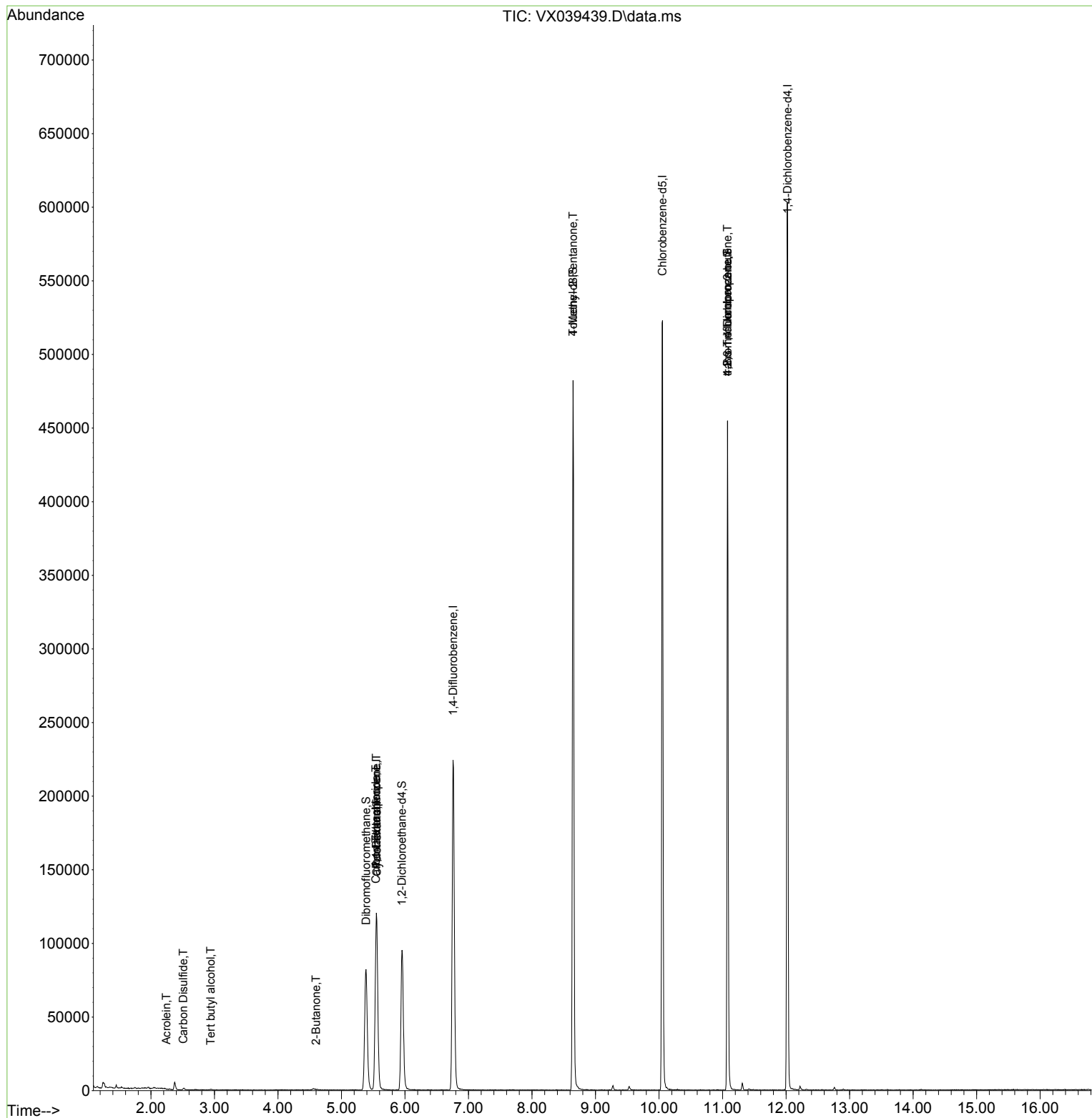
Internal Standards						
1) Pentafluorobenzene	5.550	168	103253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	217597	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	227944	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	114524	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	93494	49.428	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.860%
35) Dibromofluoromethane	5.385	113	71340	47.457	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.920%
50) Toluene-d8	8.647	98	277518	49.726	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.460%
62) 4-Bromofluorobenzene	11.079	95	122027	52.994	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.980%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	303	0.638	ug/l #	78
13) Acrolein	2.239	56	118	0.311	ug/l #	76
16) Acetone	2.374	43	5630	Below Cal		99
17) Carbon Disulfide	2.508	76	789	0.203	ug/l #	76
25) 2-Butanone	4.599	43	428	0.262	ug/l #	51
31) Cyclohexane	5.556	56	2900	1.187	ug/l #	18
36) 1,1-Dichloropropene	5.550	75	9907	4.176	ug/l #	50
38) Carbon Tetrachloride	5.544	117	12078	5.335	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	1436	0.473	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	68682	23.180	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	68682	65.392	ug/l #	5

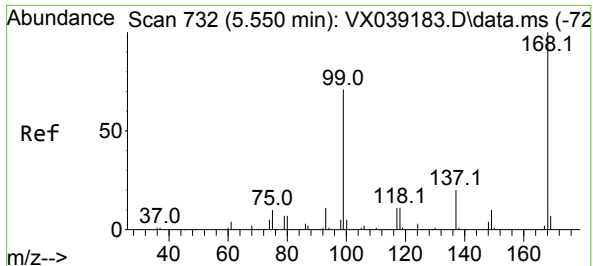
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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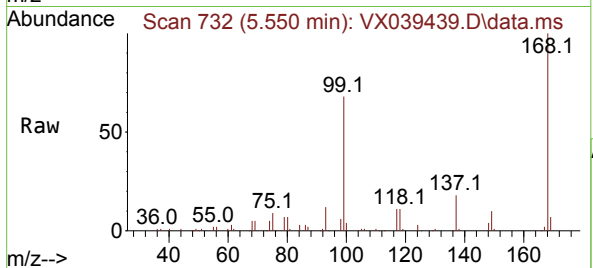


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039439.D
Acq: 22 Dec 2023 14:55

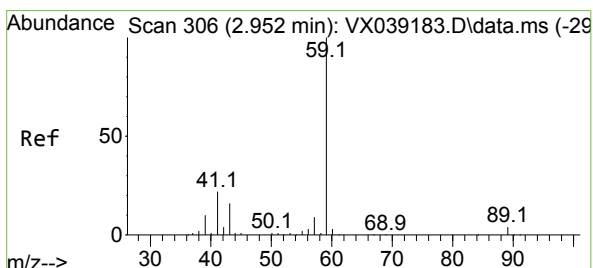
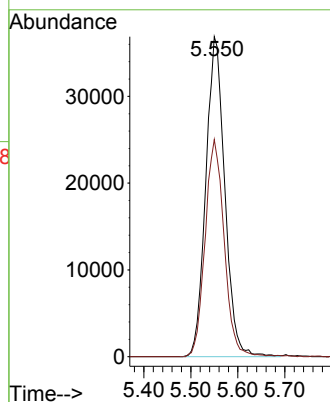
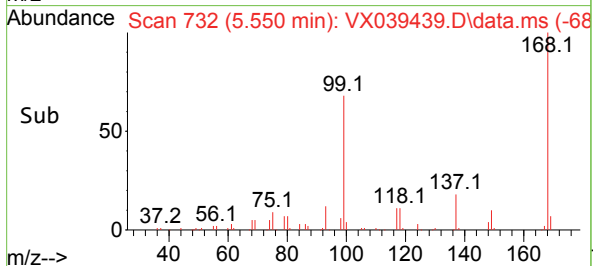
Instrument :

MSVOA_X

ClientSampleId :

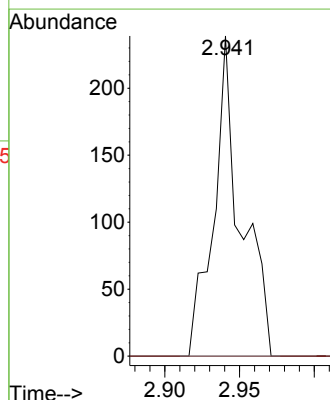
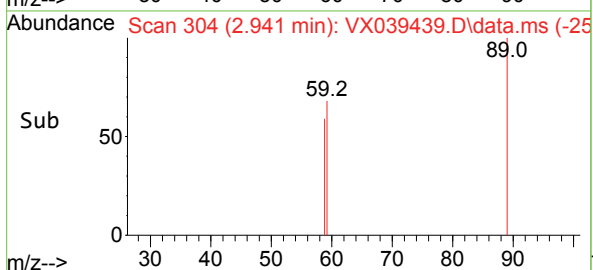
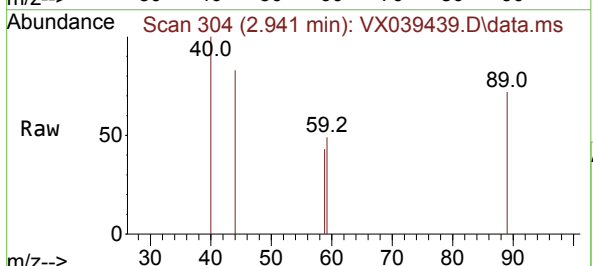


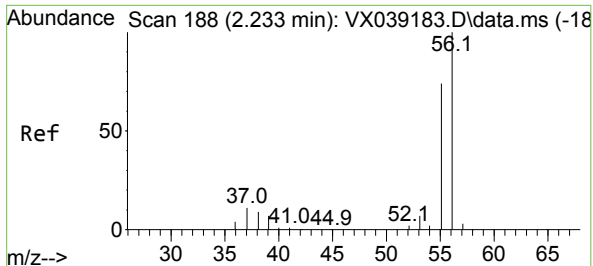
Tgt Ion:168 Resp: 103253
Ion Ratio Lower Upper
168 100
99 67.8 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.638 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.012 min
Lab File: VX039439.D
Acq: 22 Dec 2023 14:55

Tgt Ion: 59 Resp: 303
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.311 ug/l

RT: 2.239 min Scan# 118

Delta R.T. 0.006 min

Lab File: VX039439.D

Acq: 22 Dec 2023 14:55

Instrument :

MSVOA_X

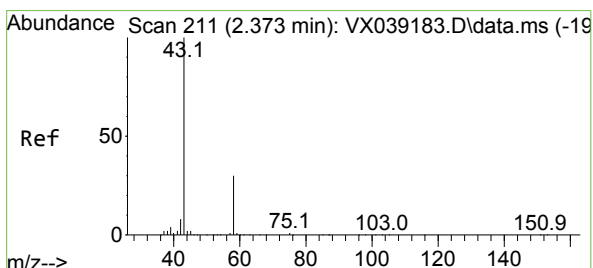
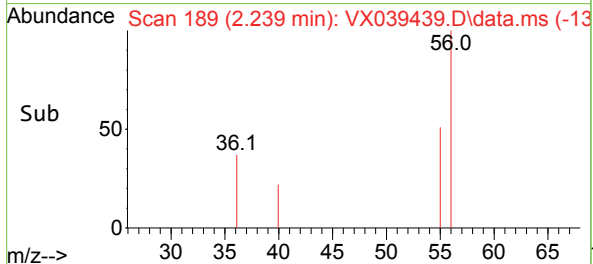
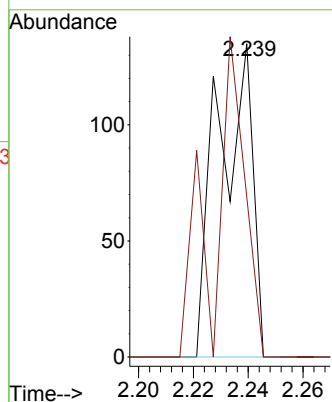
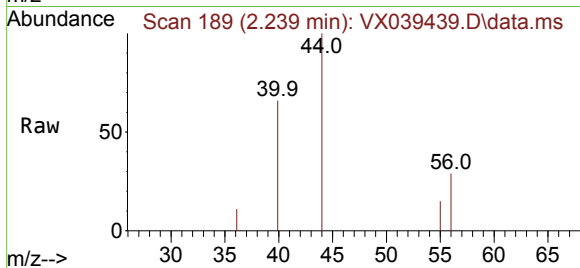
ClientSampleId :

Tgt Ion: 56 Resp: 118

Ion Ratio Lower Upper

56 100

55 91.5 57.1 85.7#



#16

Acetone

Concen: Below Cal

RT: 2.374 min Scan# 211

Delta R.T. 0.001 min

Lab File: VX039439.D

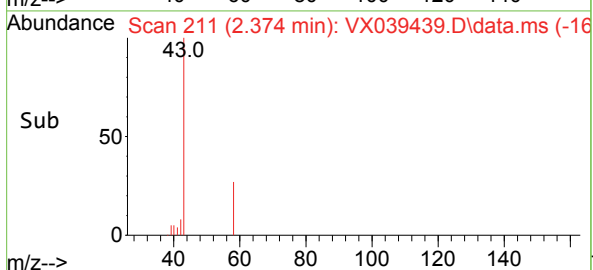
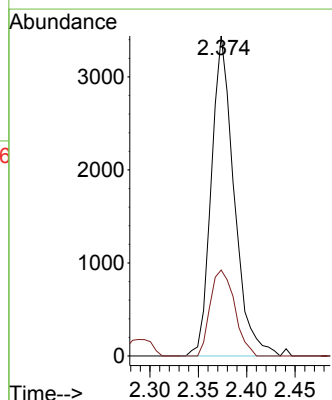
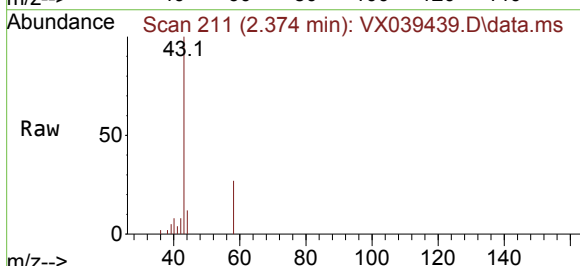
Acq: 22 Dec 2023 14:55

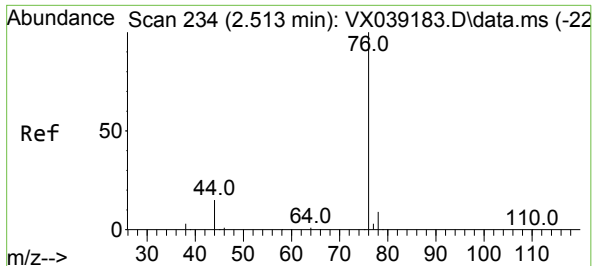
Tgt Ion: 43 Resp: 5630

Ion Ratio Lower Upper

43 100

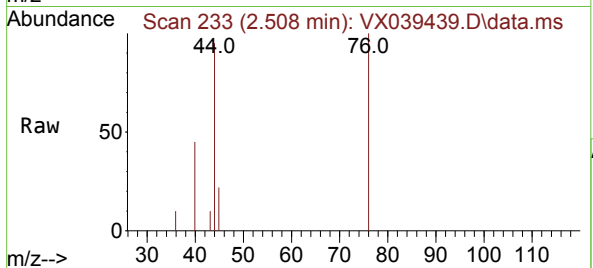
58 26.8 21.9 32.9



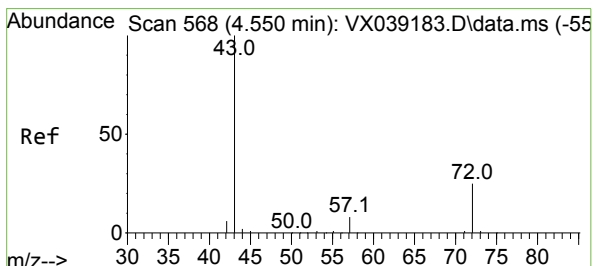
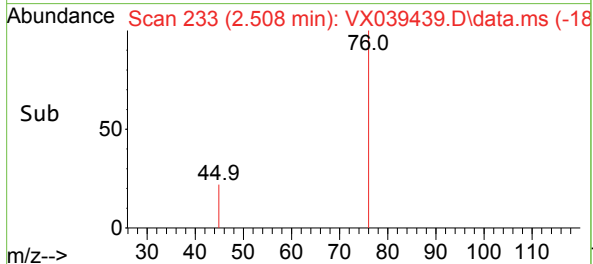
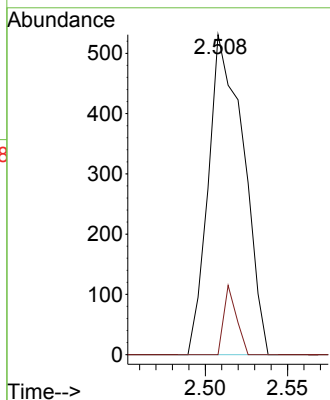


#17
Carbon Disulfide
Concen: 0.203 ug/l
RT: 2.508 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX039439.D
Acq: 22 Dec 2023 14:55

Instrument :
MSVOA_X
ClientSampleId :

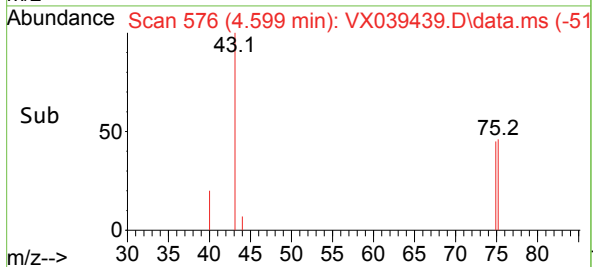
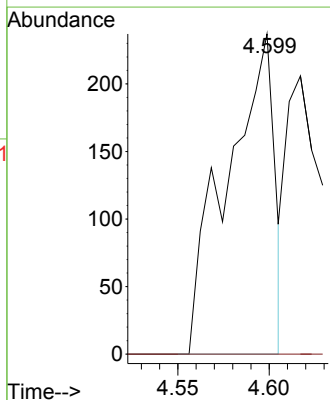
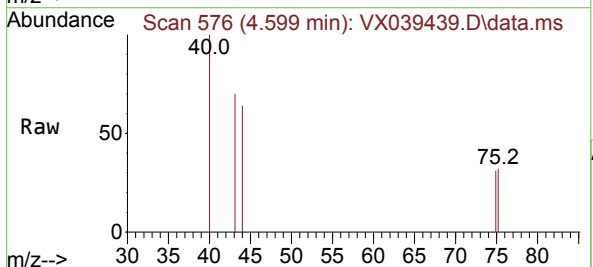


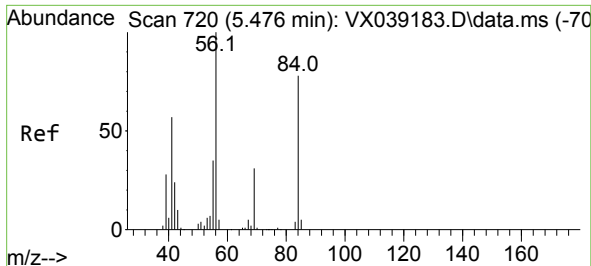
Tgt Ion: 76 Resp: 789
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#25
2-Butanone
Concen: 0.262 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.049 min
Lab File: VX039439.D
Acq: 22 Dec 2023 14:55

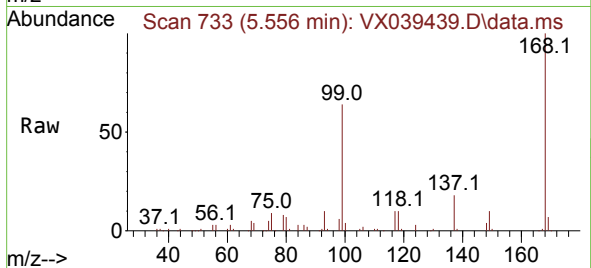
Tgt Ion: 43 Resp: 428
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



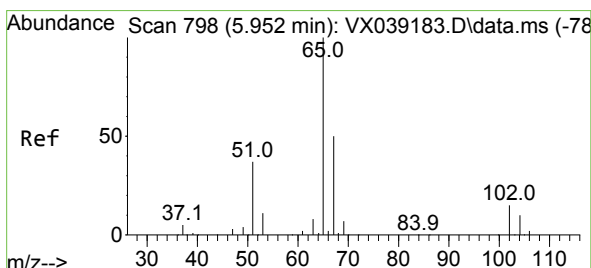
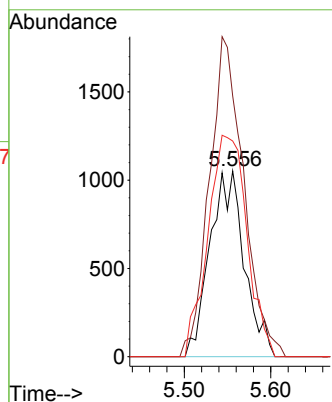
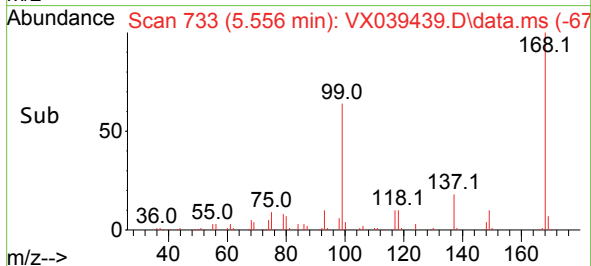


#31
Cyclohexane
Concen: 1.187 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.080 min
Lab File: VX039439.D
Acq: 22 Dec 2023 14:55

Instrument :
MSVOA_X
ClientSampleId :

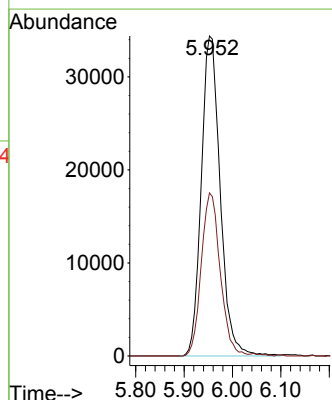
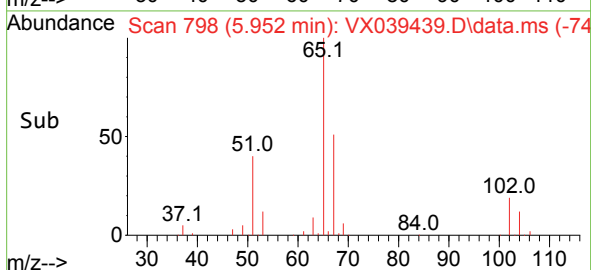
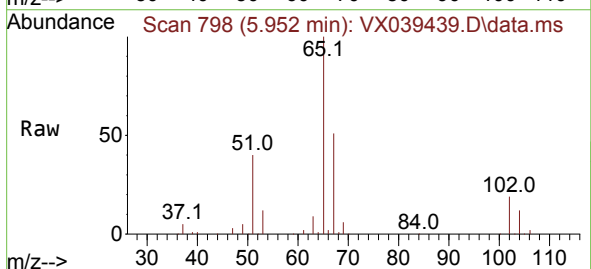


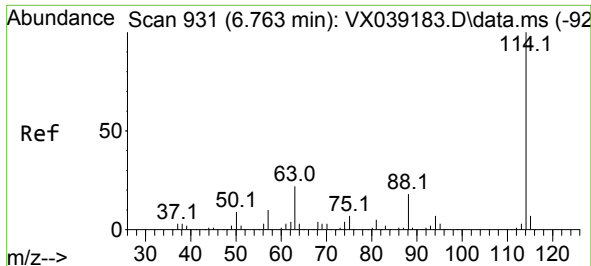
Tgt Ion: 56 Resp: 2900
Ion Ratio Lower Upper
56 100
69 140.4 23.4 35.2#
84 116.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 49.428 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039439.D
Acq: 22 Dec 2023 14:55

Tgt Ion: 65 Resp: 93494
Ion Ratio Lower Upper
65 100
67 50.9 0.0 100.2

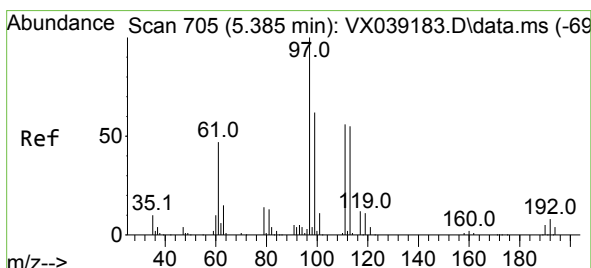
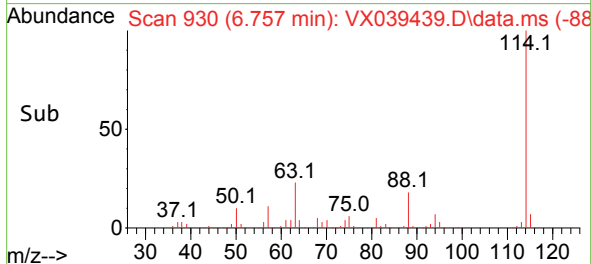
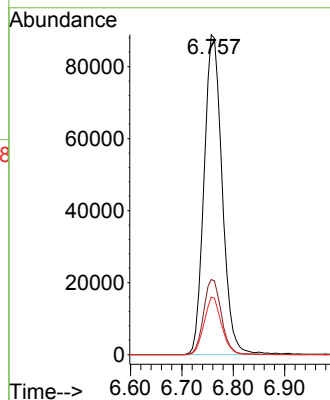
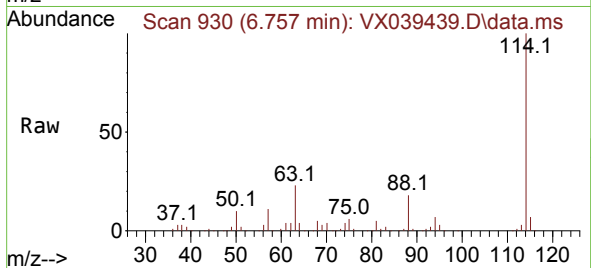




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX039439.D
Acq: 22 Dec 2023 14:55

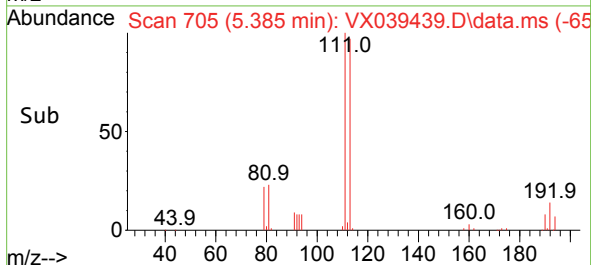
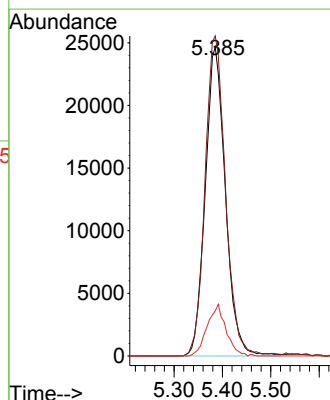
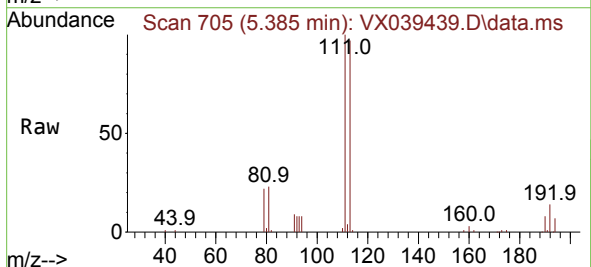
Instrument :
MSVOA_X
ClientSampleId :

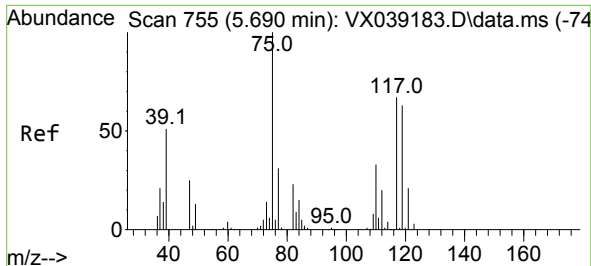
Tgt Ion:114 Resp: 217597
Ion Ratio Lower Upper
114 100
63 23.5 0.0 45.0
88 18.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.457 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039439.D
Acq: 22 Dec 2023 14:55

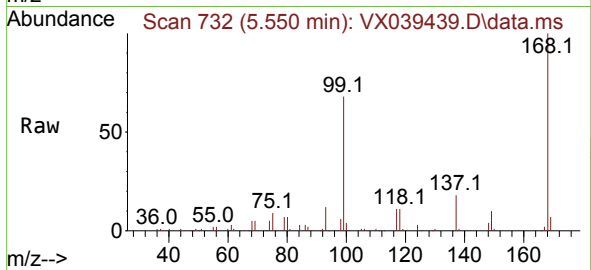
Tgt Ion:113 Resp: 71340
Ion Ratio Lower Upper
113 100
111 104.8 82.9 124.3
192 15.6 13.3 19.9



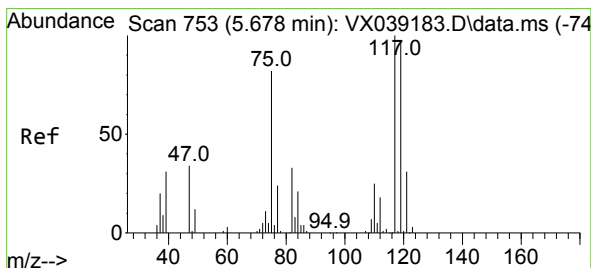
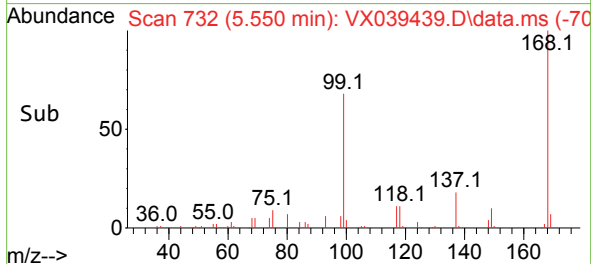
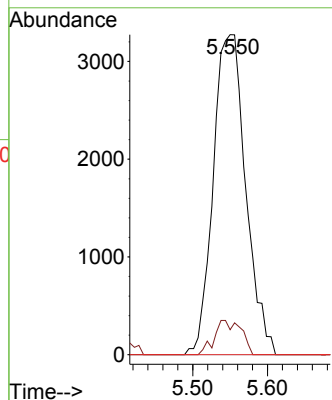


#36
 1,1-Dichloropropene
 Concen: 4.176 ug/l
 RT: 5.550 min Scan# 714
 Delta R.T. -0.140 min
 Lab File: VX039439.D
 Acq: 22 Dec 2023 14:55

Instrument :
 MSVOA_X
 ClientSampleId :

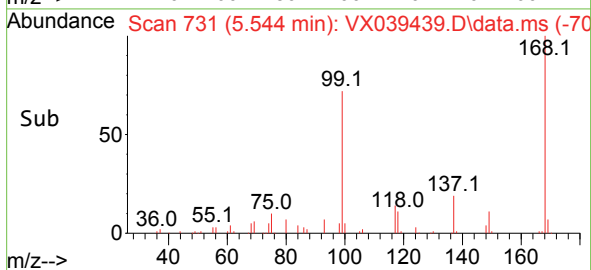
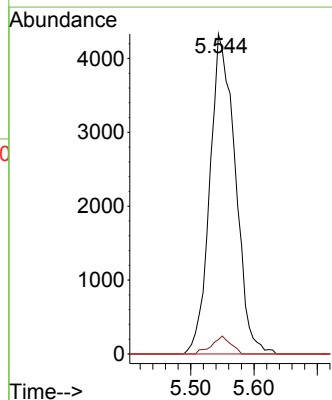
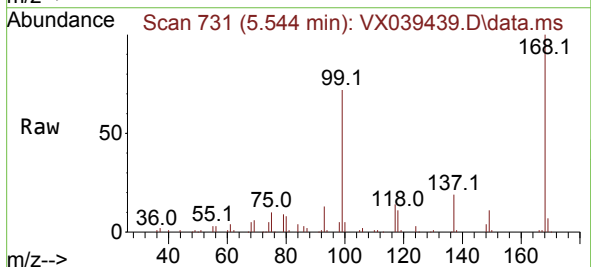


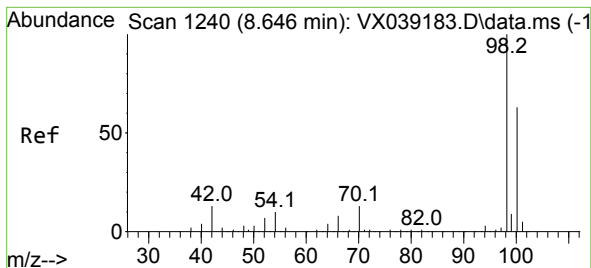
Tgt Ion: 75 Resp: 9907
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.0 50.9#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.335 ug/l
 RT: 5.544 min Scan# 731
 Delta R.T. -0.134 min
 Lab File: VX039439.D
 Acq: 22 Dec 2023 14:55

Tgt Ion: 117 Resp: 12078
 Ion Ratio Lower Upper
 117 100
 119 4.5 78.2 117.2#
 121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 49.726 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX039439.D

Acq: 22 Dec 2023 14:55

Instrument :

MSVOA_X

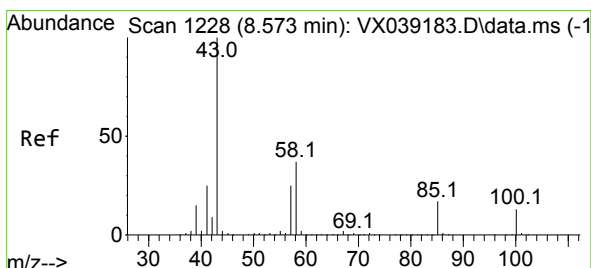
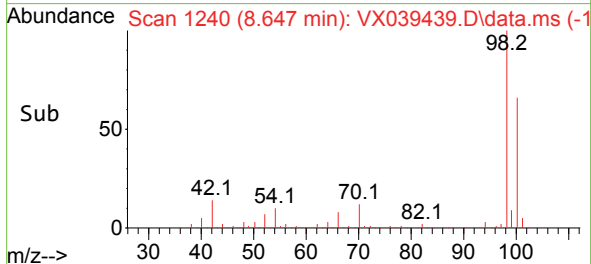
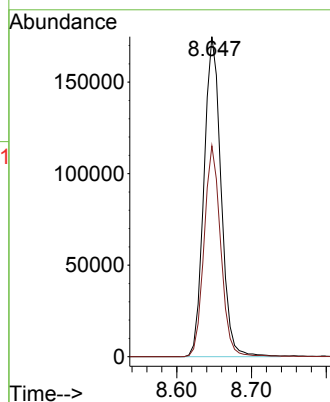
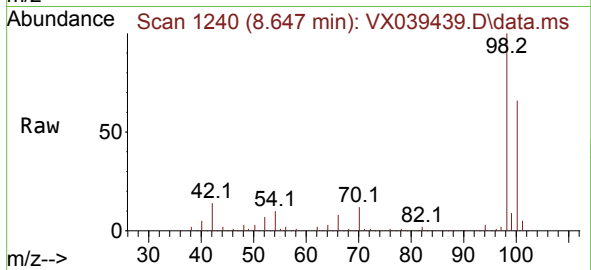
ClientSampleId :

Tgt Ion: 98 Resp: 277518

Ion Ratio Lower Upper

98 100

100 64.2 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.473 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.074 min

Lab File: VX039439.D

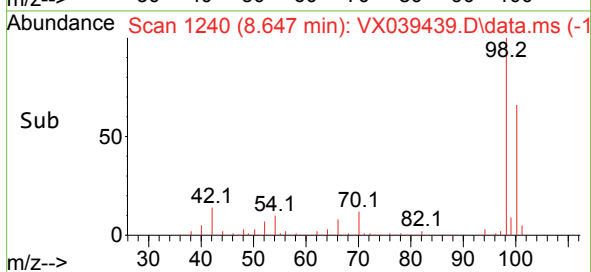
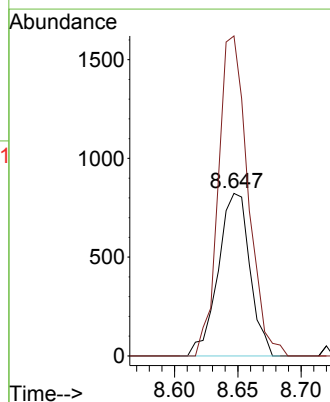
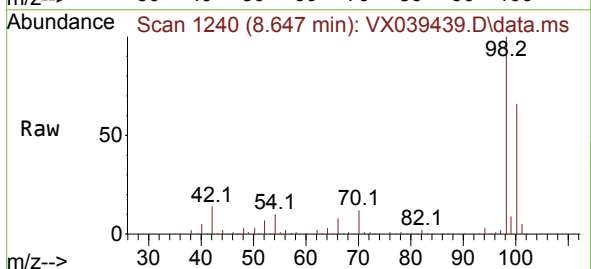
Acq: 22 Dec 2023 14:55

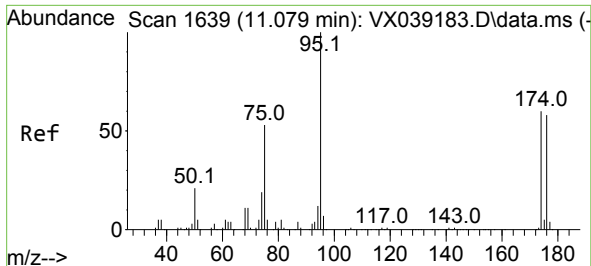
Tgt Ion: 43 Resp: 1436

Ion Ratio Lower Upper

43 100

58 183.5 30.4 45.6#

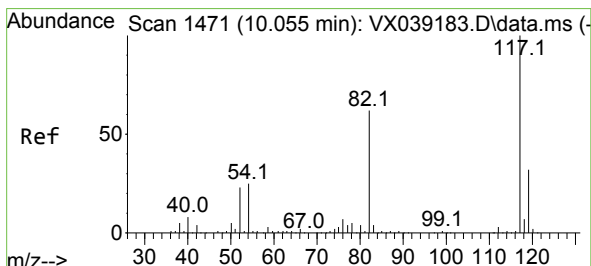
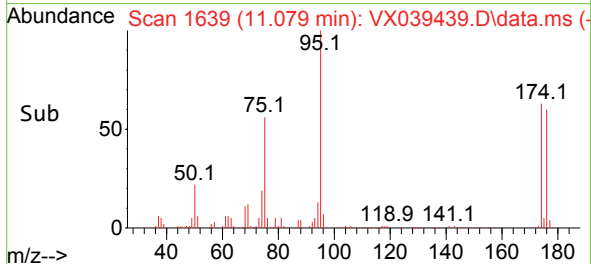
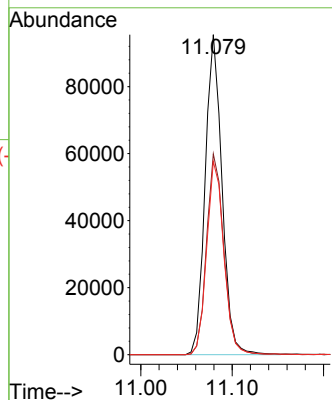
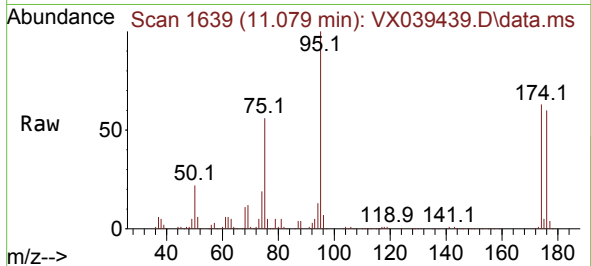




#62
4-Bromofluorobenzene
Concen: 52.994 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039439.D
Acq: 22 Dec 2023 14:55

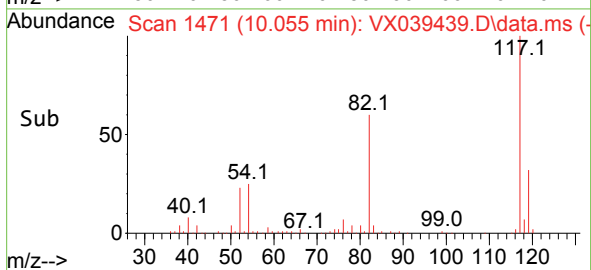
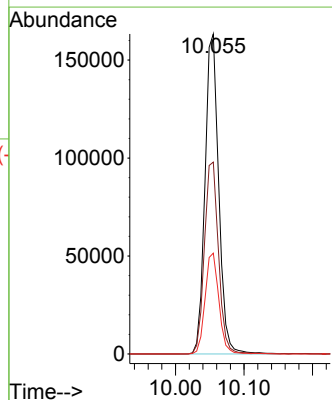
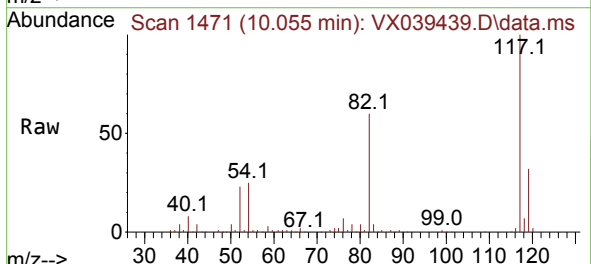
Instrument :
MSVOA_X
ClientSampleId :

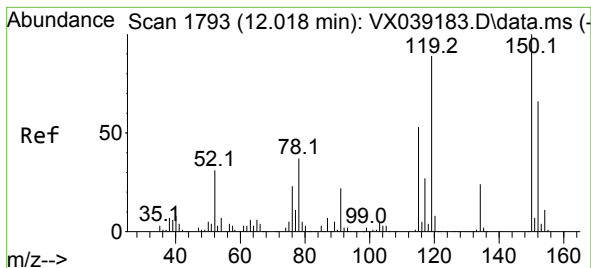
Tgt Ion: 95 Resp: 122027
Ion Ratio Lower Upper
95 100
174 64.3 0.0 135.6
176 62.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039439.D
Acq: 22 Dec 2023 14:55

Tgt Ion: 117 Resp: 227944
Ion Ratio Lower Upper
117 100
82 59.9 46.2 69.4
119 31.5 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX039439.D

Acq: 22 Dec 2023 14:55

Instrument :

MSVOA_X

ClientSampleId :

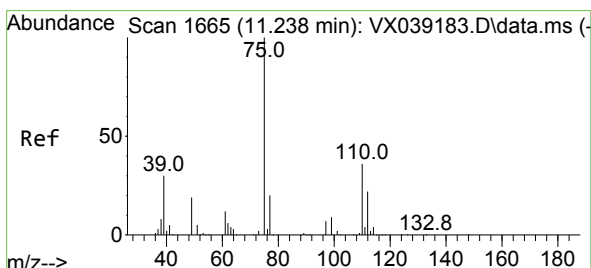
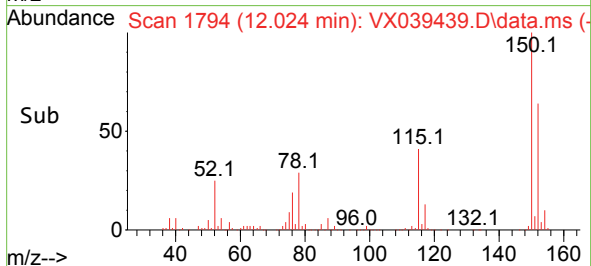
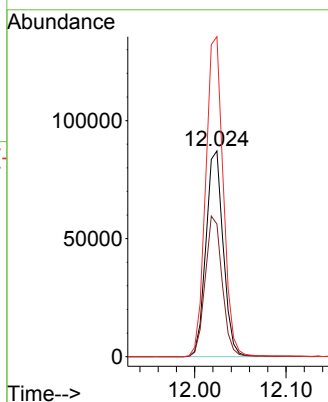
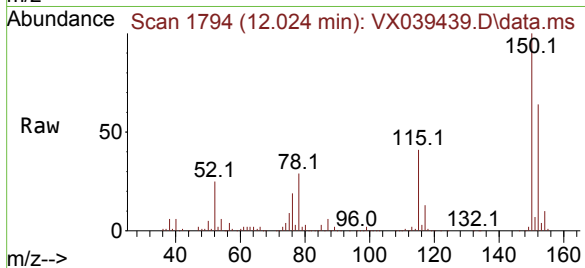
Tgt Ion:152 Resp: 114524

Ion Ratio Lower Upper

152 100

115 67.2 43.3 129.9

150 157.5 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 23.180 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039439.D

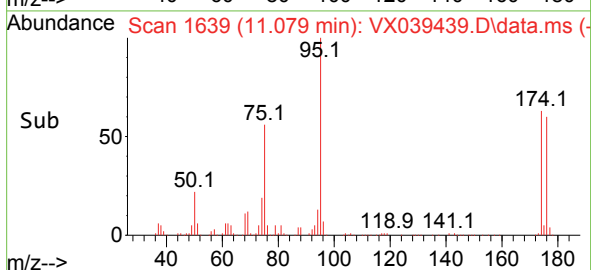
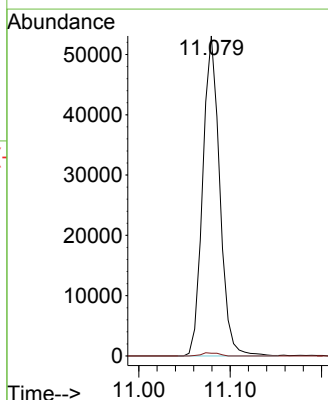
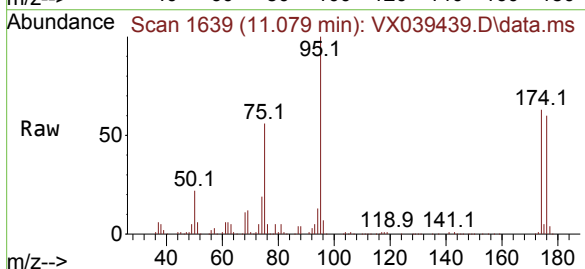
Acq: 22 Dec 2023 14:55

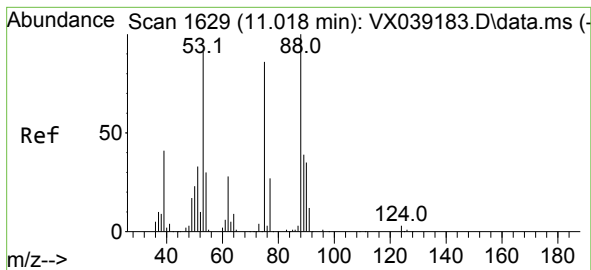
Tgt Ion: 75 Resp: 68682

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.392 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX039439.D
 Acq: 22 Dec 2023 14:55

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 75 Resp: 68682
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

