

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121423\
 Data File : VX039218.D
 Acq On : 14 Dec 2023 19:00
 Operator : JC/MD
 Sample : 05840-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 15 03:05:44 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)

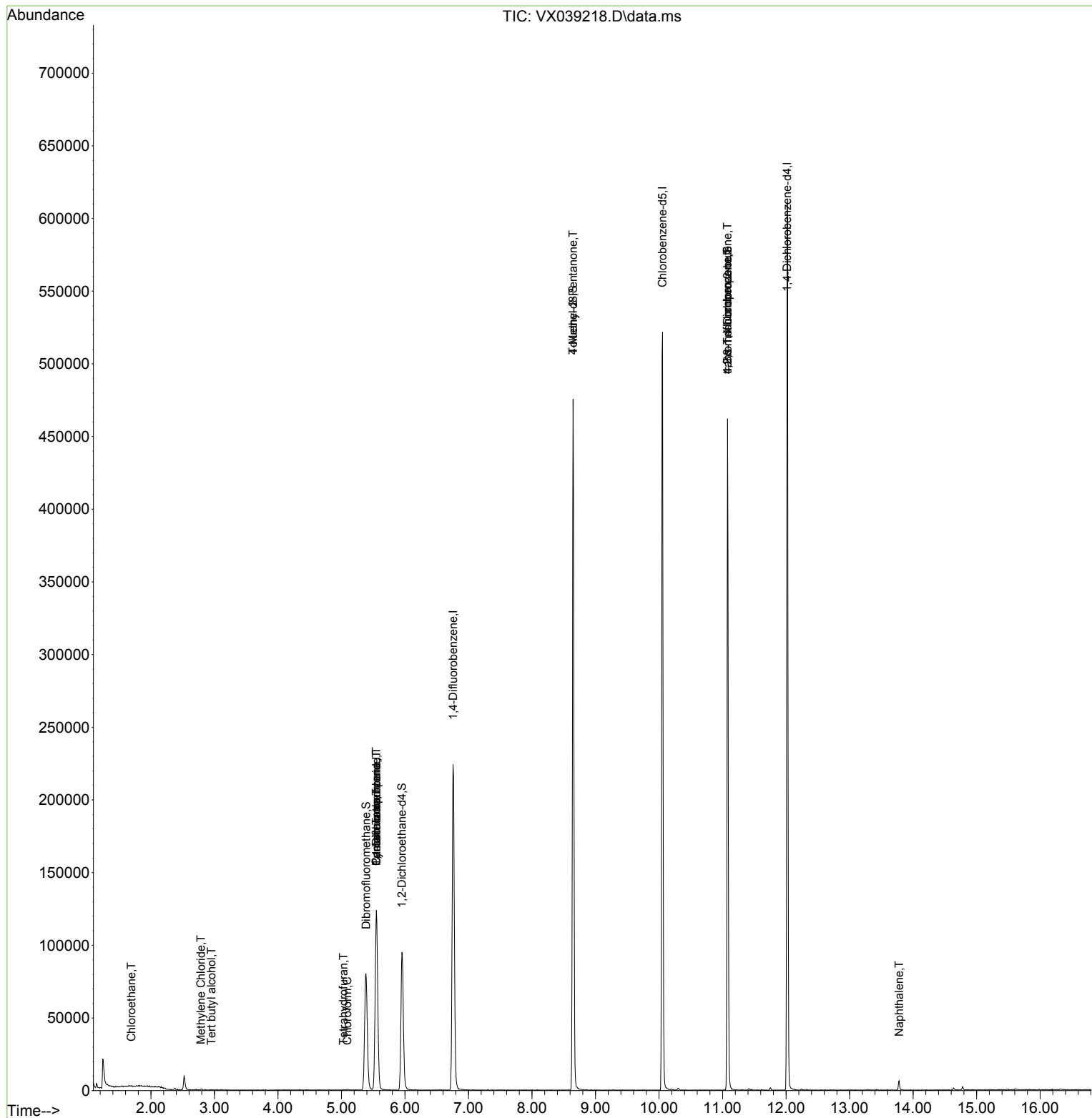
Internal Standards						
1) Pentafluorobenzene	5.550	168	104990	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	219165	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	225409	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	114485	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	93419	48.571	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.140%
35) Dibromofluoromethane	5.385	113	72702	48.017	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.040%
50) Toluene-d8	8.647	98	273593	48.672	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.340%
62) 4-Bromofluorobenzene	11.079	95	125714	54.204	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	108.400%
Target Compounds						
					Qvalue	
6) Chloroethane	1.691	64	471	0.514	ug/l #	69
11) Tert butyl alcohol	2.953	59	269	0.557	ug/l #	78
16) Acetone	2.373	43	992	Below Cal		95
20) Methylene Chloride	2.788	84	324	0.202	ug/l #	85
29) Tetrahydrofuran	5.031	42	185	0.202	ug/l #	34
30) Chloroform	5.092	83	566	0.201	ug/l	95
31) Cyclohexane	5.550	56	2945	1.185	ug/l #	3
36) 1,1-Dichloropropene	5.550	75	10157	4.251	ug/l #	50
38) Carbon Tetrachloride	5.550	117	11835	5.190	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	1396	0.456	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	70234	23.712	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	70234	66.892	ug/l #	5
95) Naphthalene	13.780	128	4819	0.576	ug/l #	95

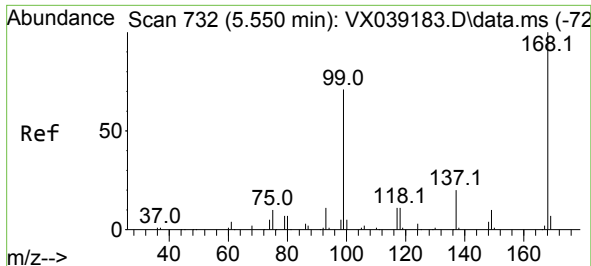
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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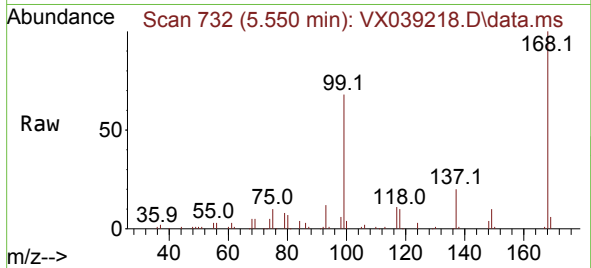
Quant Time: Dec 15 03:05:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 01:28:15 2023
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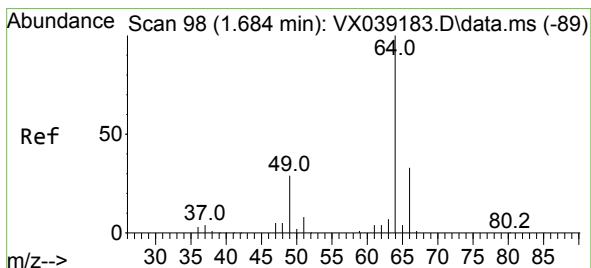
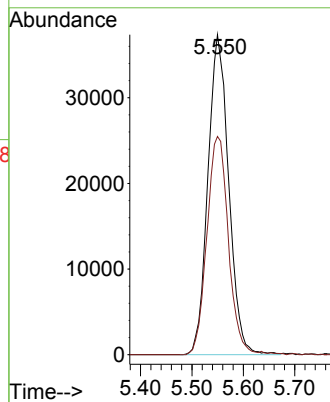
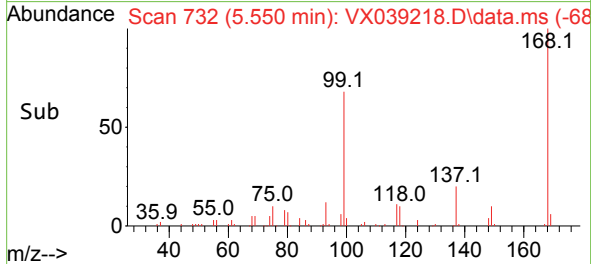


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039218.D
Acq: 14 Dec 2023 19:00

Instrument :
MSVOA_X
ClientSampleId :

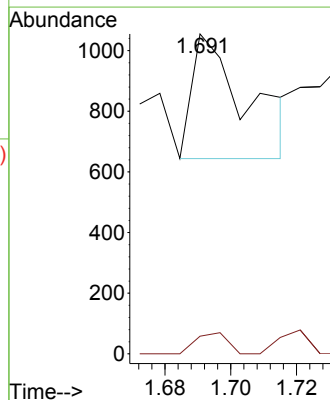
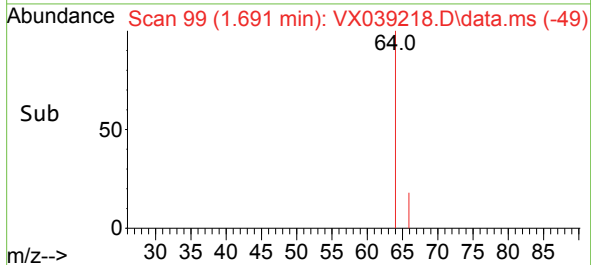
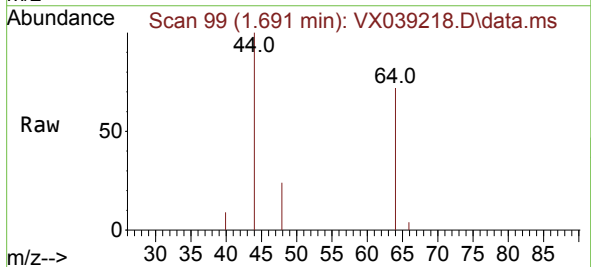


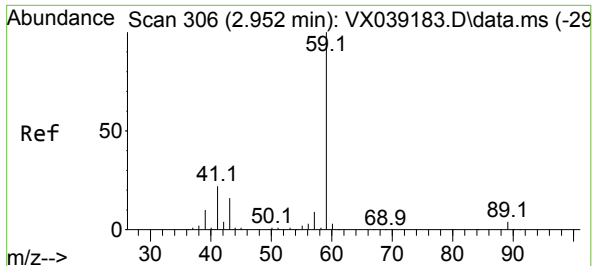
Tgt Ion:168 Resp: 104990
Ion Ratio Lower Upper
168 100
99 68.2 56.6 85.0



#6
Chloroethane
Concen: 0.514 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX039218.D
Acq: 14 Dec 2023 19:00

Tgt Ion: 64 Resp: 471
Ion Ratio Lower Upper
64 100
66 14.1 25.1 37.7#





#11

Tert butyl alcohol

Concen: 0.557 ug/l

RT: 2.953 min Scan# 306

Delta R.T. 0.000 min

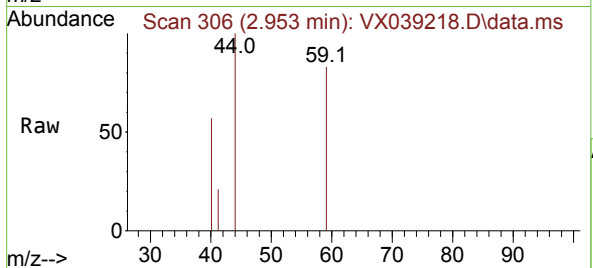
Lab File: VX039218.D

Acq: 14 Dec 2023 19:00

Instrument :

MSVOA_X

ClientSampleId :

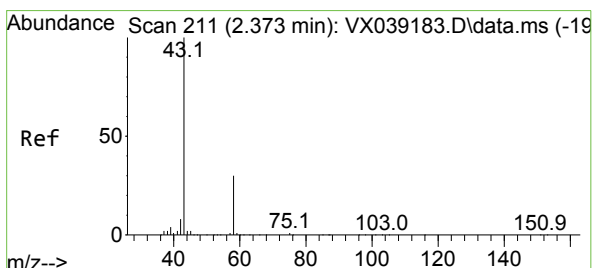
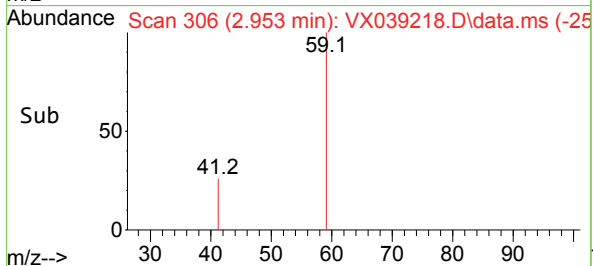
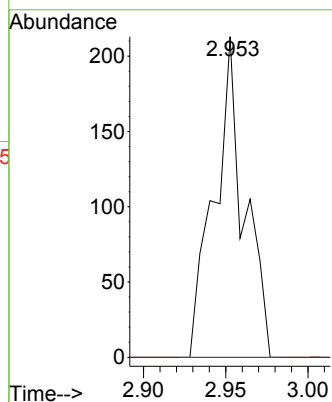


Tgt Ion: 59 Resp: 269

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: Below Cal

RT: 2.373 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX039218.D

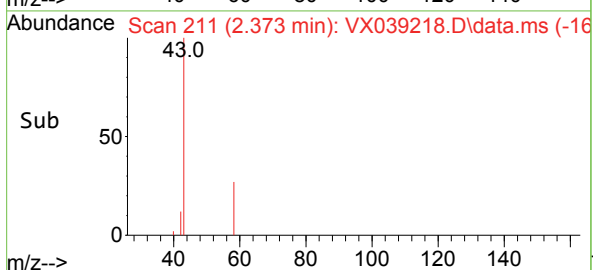
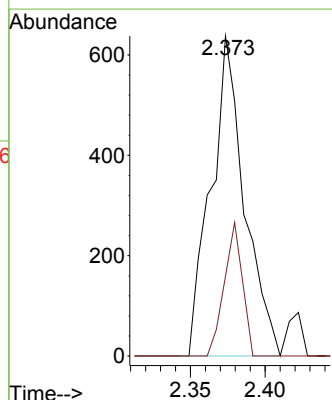
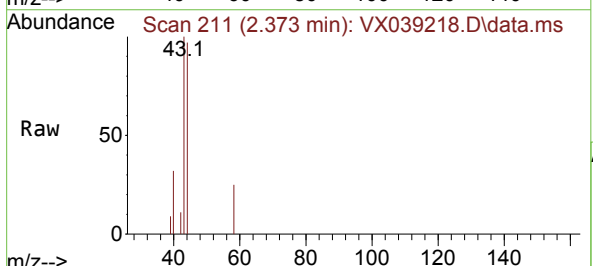
Acq: 14 Dec 2023 19:00

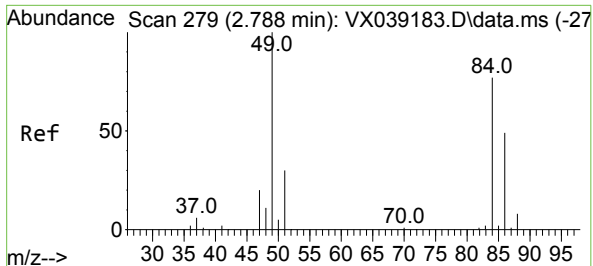
Tgt Ion: 43 Resp: 992

Ion Ratio Lower Upper

43 100

58 24.9 21.9 32.9





#20

Methylene Chloride

Concen: 0.202 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

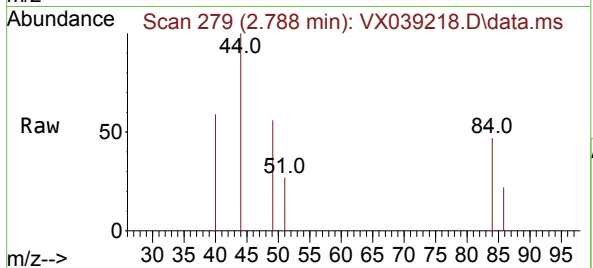
Lab File: VX039218.D

Acq: 14 Dec 2023 19:00

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 324

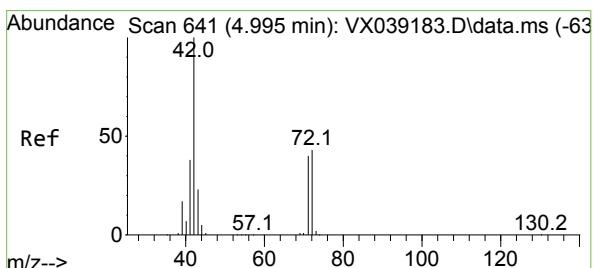
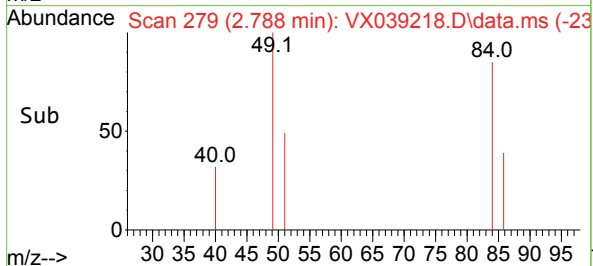
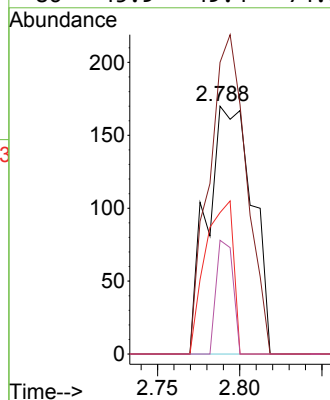
Ion Ratio Lower Upper

84 100

49 117.6 103.6 155.4

51 57.1 33.8 50.6#

86 45.9 49.4 74.0#



#29

Tetrahydrofuran

Concen: 0.202 ug/l

RT: 5.031 min Scan# 647

Delta R.T. 0.037 min

Lab File: VX039218.D

Acq: 14 Dec 2023 19:00

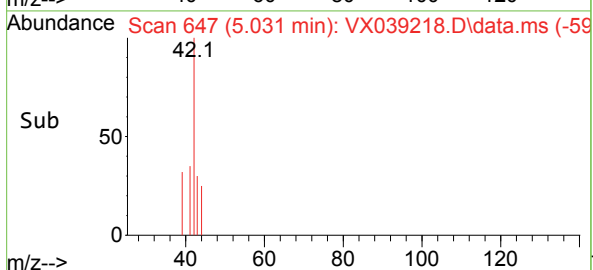
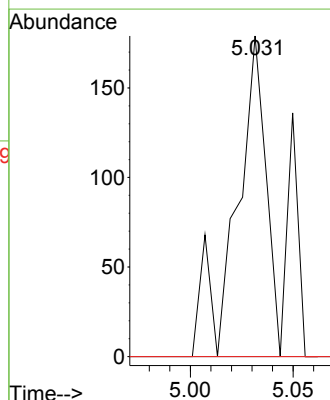
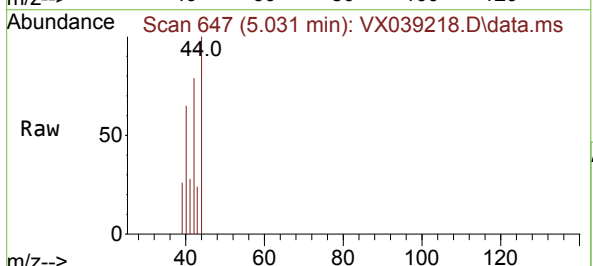
Tgt Ion: 42 Resp: 185

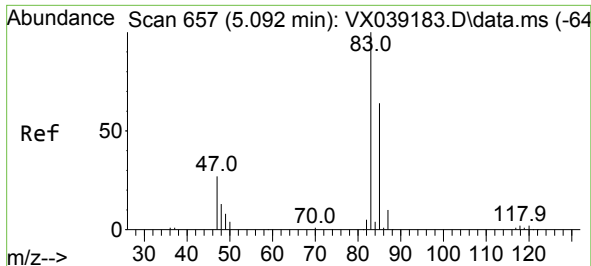
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#

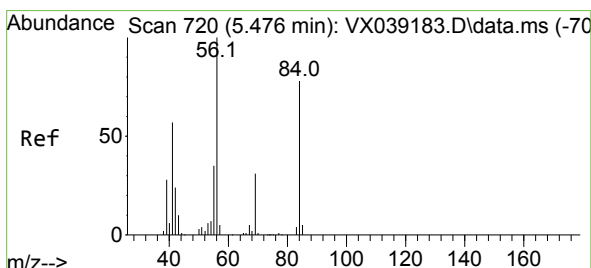
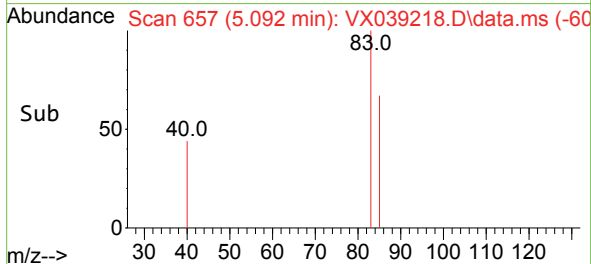
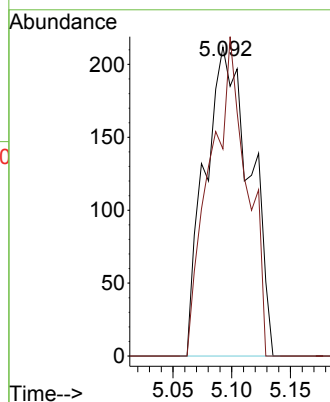
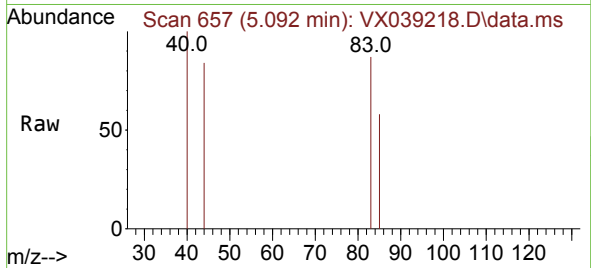




#30
Chloroform
Concen: 0.201 ug/l
RT: 5.092 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX039218.D
Acq: 14 Dec 2023 19:00

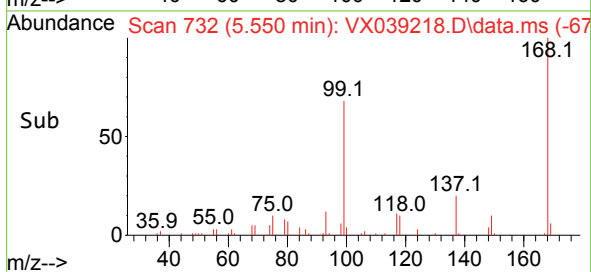
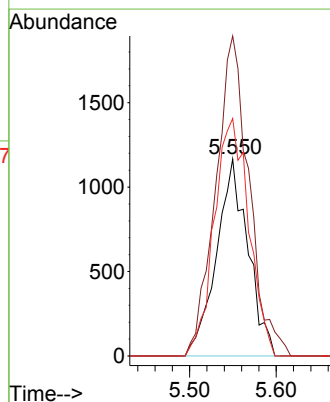
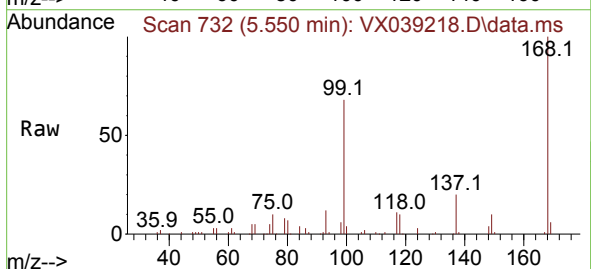
Instrument :
MSVOA_X
ClientSampleId :

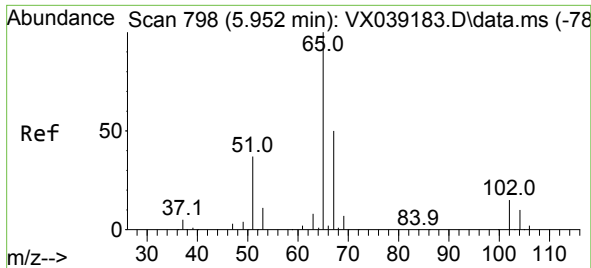
Tgt Ion: 83 Resp: 566
Ion Ratio Lower Upper
83 100
85 67.0 50.3 75.5



#31
Cyclohexane
Concen: 1.185 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.073 min
Lab File: VX039218.D
Acq: 14 Dec 2023 19:00

Tgt Ion: 56 Resp: 2945
Ion Ratio Lower Upper
56 100
69 162.5 23.4 35.2#
84 120.6 65.9 98.9#

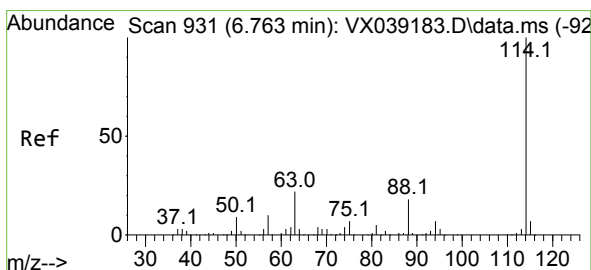
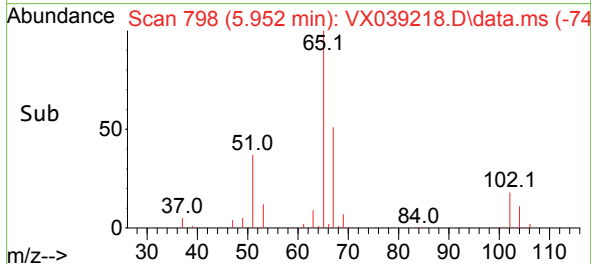
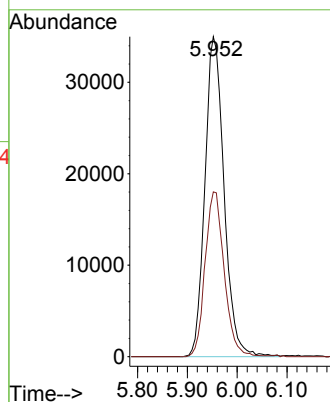
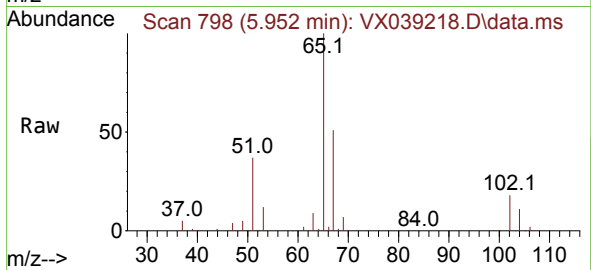




#33
 1,2-Dichloroethane-d4
 Concen: 48.571 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX039218.D
 Acq: 14 Dec 2023 19:00

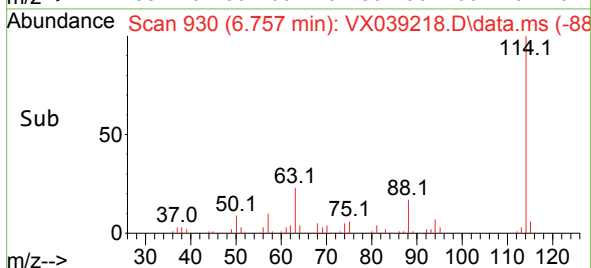
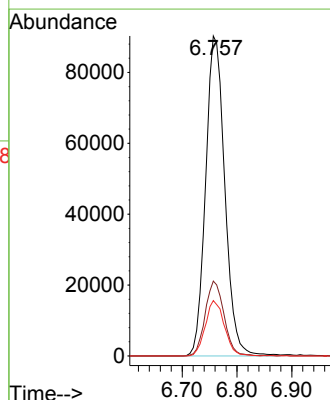
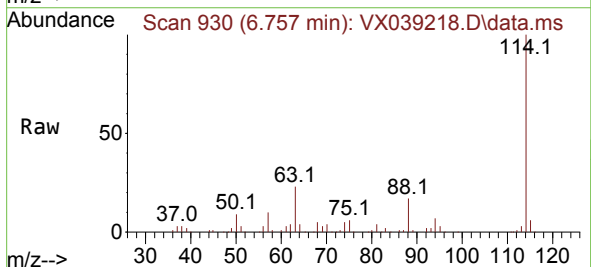
Instrument :
 MSVOA_X
 ClientSampleId :

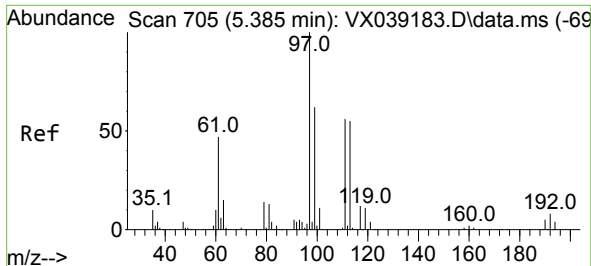
Tgt Ion: 65 Resp: 93419
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.006 min
 Lab File: VX039218.D
 Acq: 14 Dec 2023 19:00

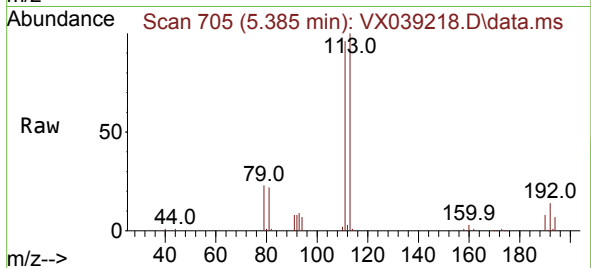
Tgt Ion:114 Resp: 219165
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 45.0
 88 17.3 0.0 36.6



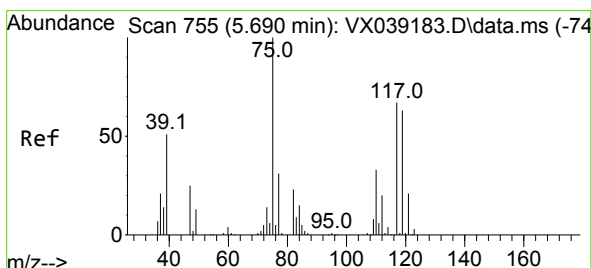
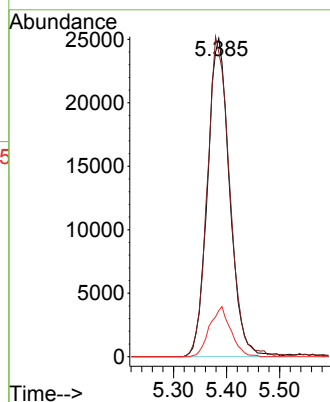
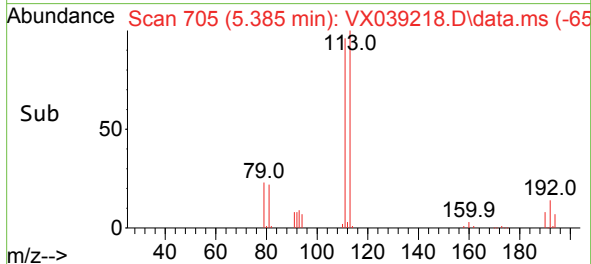


#35
Dibromofluoromethane
Concen: 48.017 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039218.D
Acq: 14 Dec 2023 19:00

Instrument :
MSVOA_X
ClientSampleId :

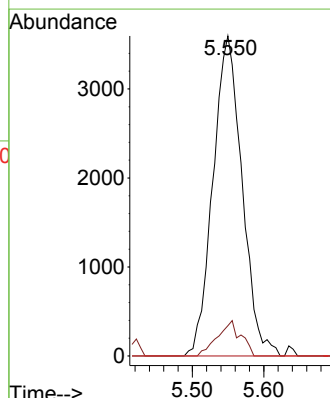
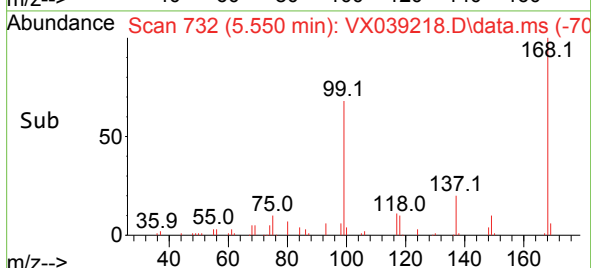
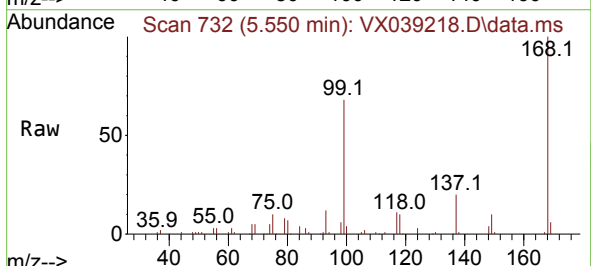


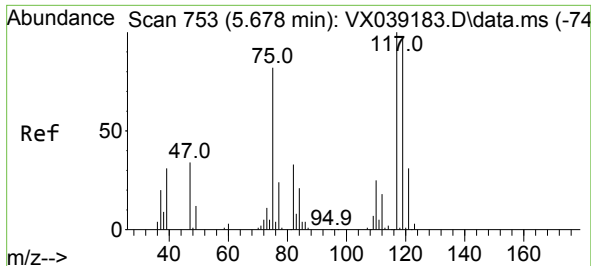
Tgt Ion:113 Resp: 72702
Ion Ratio Lower Upper
113 100
111 100.9 82.9 124.3
192 15.1 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.251 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX039218.D
Acq: 14 Dec 2023 19:00

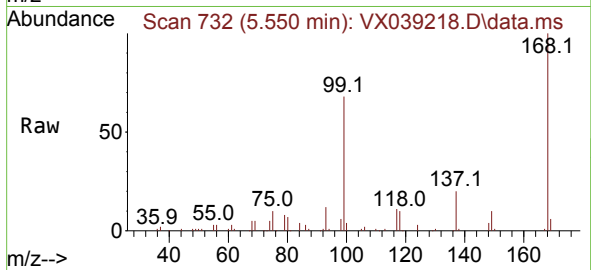
Tgt Ion: 75 Resp: 10157
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 24.7 37.1#



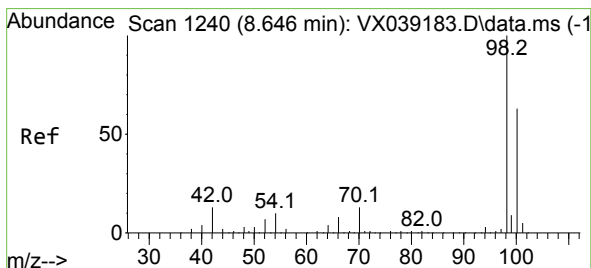
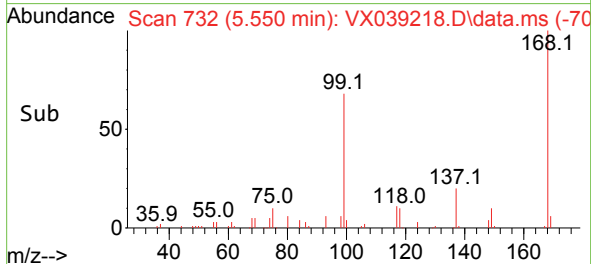
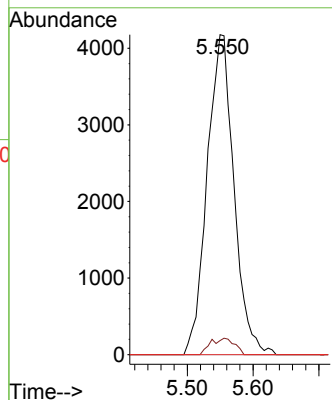


#38
Carbon Tetrachloride
Concen: 5.190 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX039218.D
Acq: 14 Dec 2023 19:00

Instrument :
MSVOA_X
ClientSampleId :

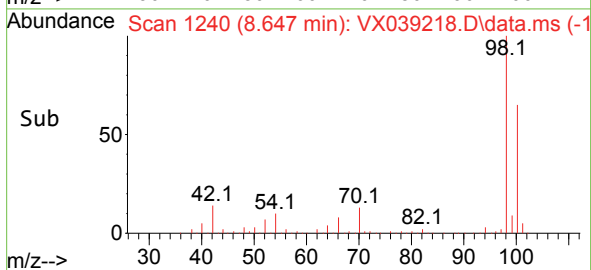
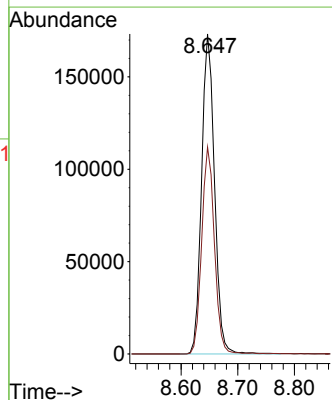
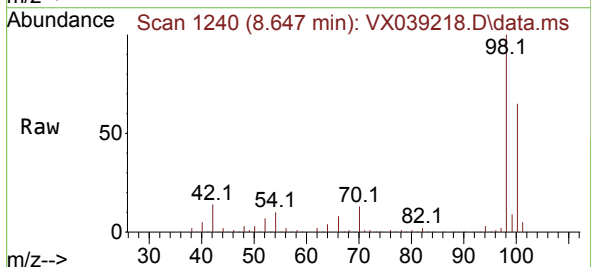


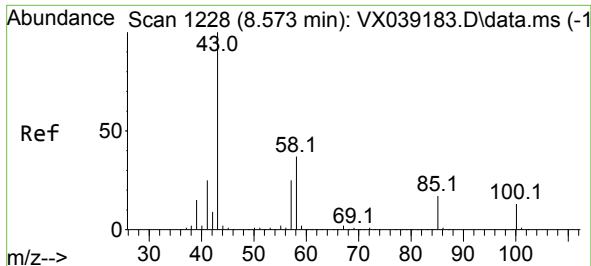
Tgt Ion:117 Resp: 11835
Ion Ratio Lower Upper
117 100
119 4.4 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 48.672 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039218.D
Acq: 14 Dec 2023 19:00

Tgt Ion: 98 Resp: 273593
Ion Ratio Lower Upper
98 100
100 63.8 53.1 79.7

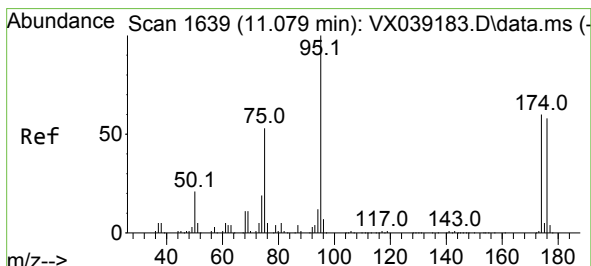
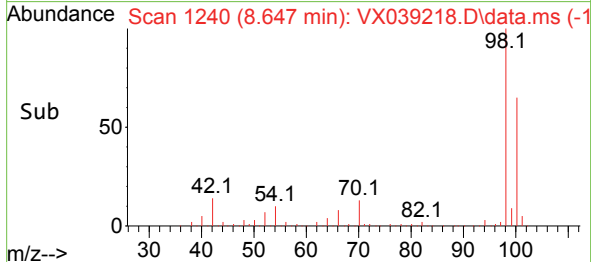
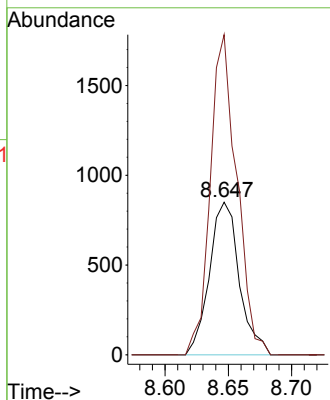
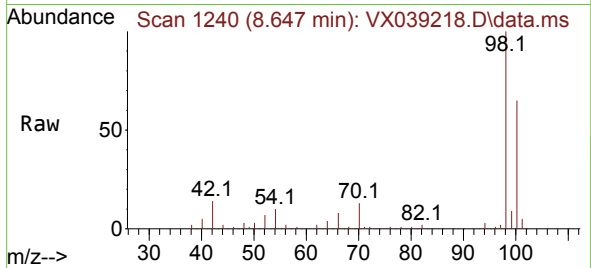




#51
4-Methyl-2-Pentanone
Concen: 0.456 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX039218.D
Acq: 14 Dec 2023 19:00

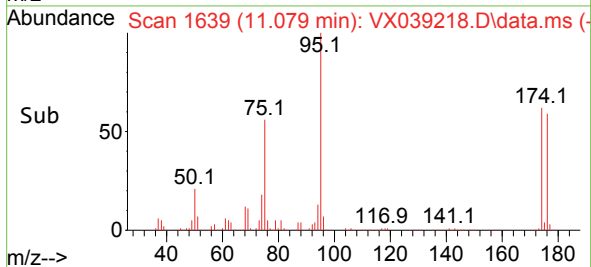
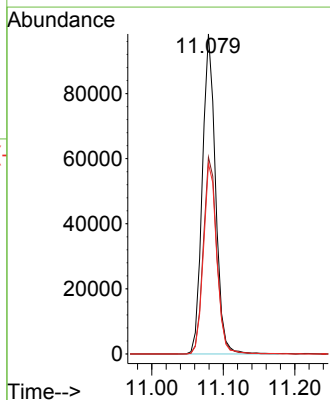
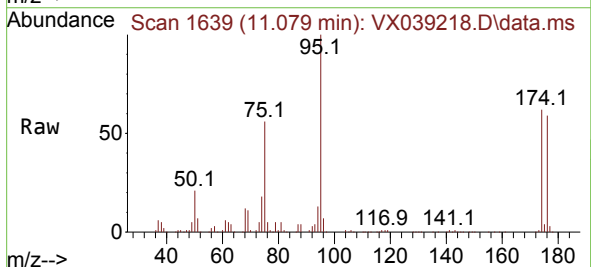
Instrument :
MSVOA_X
ClientSampleId :

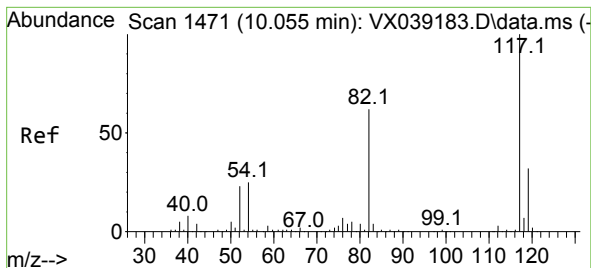
Tgt Ion: 43 Resp: 1396
Ion Ratio Lower Upper
43 100
58 186.3 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 54.204 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039218.D
Acq: 14 Dec 2023 19:00

Tgt Ion: 95 Resp: 125714
Ion Ratio Lower Upper
95 100
174 63.1 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: VX039218.D

Acq: 14 Dec 2023 19:00

Instrument :

MSVOA_X

ClientSampleId :

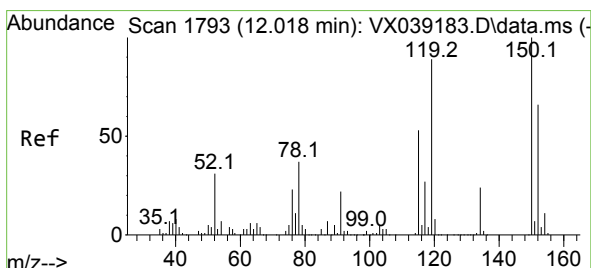
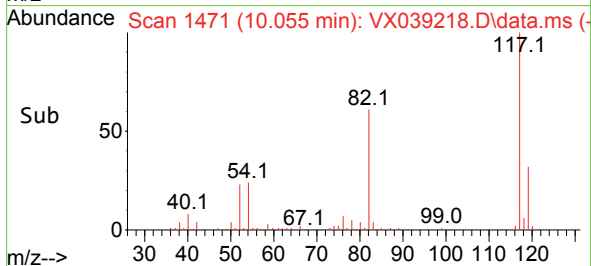
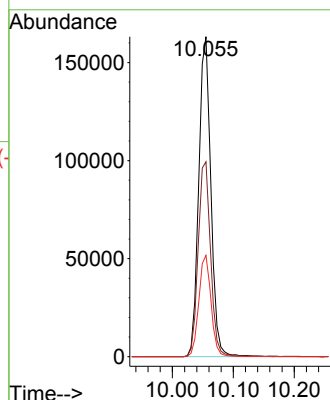
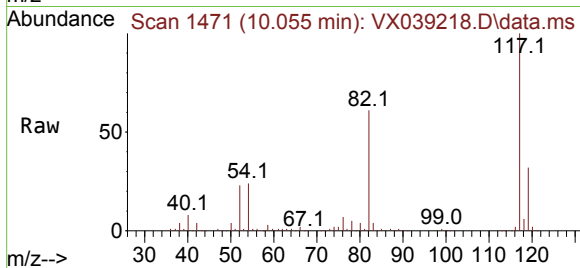
Tgt Ion:117 Resp: 225409

Ion Ratio Lower Upper

117 100

82 60.9 46.2 69.4

119 31.7 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX039218.D

Acq: 14 Dec 2023 19:00

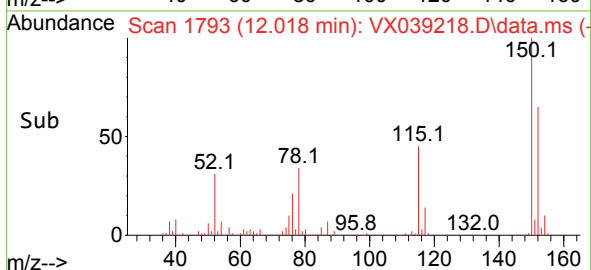
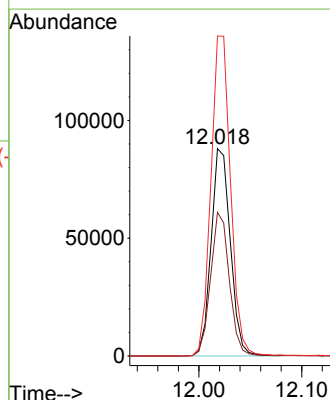
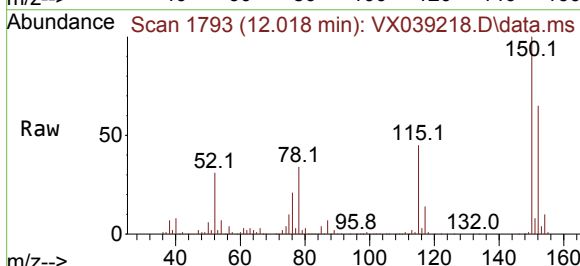
Tgt Ion:152 Resp: 114485

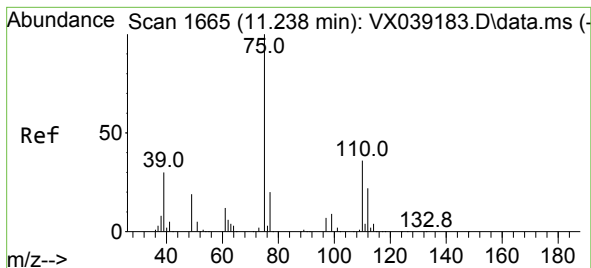
Ion Ratio Lower Upper

152 100

115 67.4 43.3 129.9

150 157.6 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 23.712 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039218.D

Acq: 14 Dec 2023 19:00

Instrument :

MSVOA_X

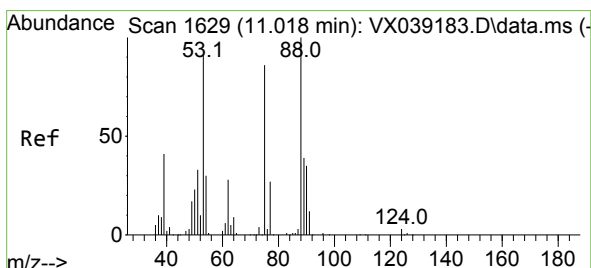
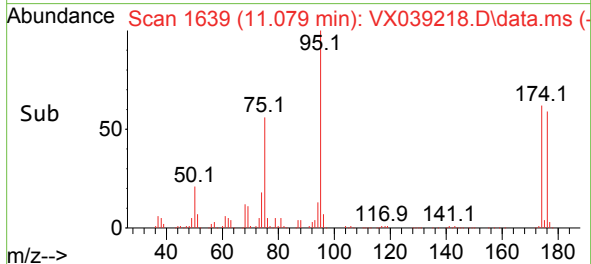
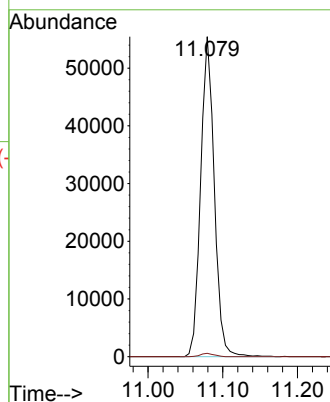
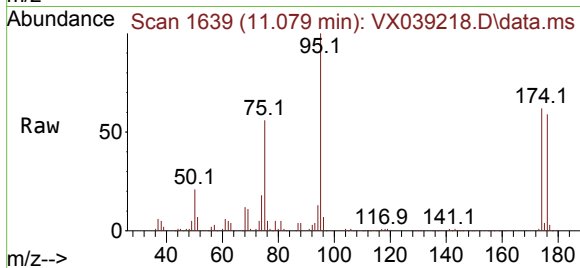
ClientSampleId :

Tgt Ion: 75 Resp: 70234

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.892 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039218.D

Acq: 14 Dec 2023 19:00

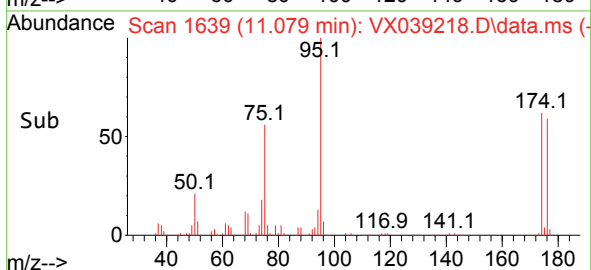
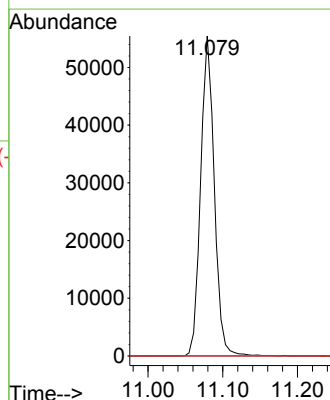
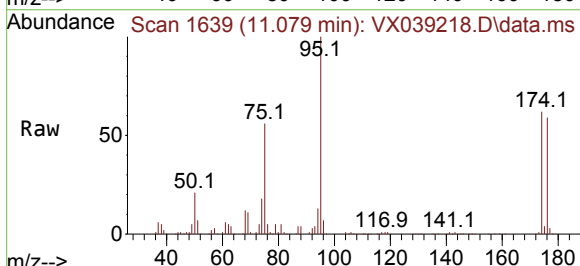
Tgt Ion: 75 Resp: 70234

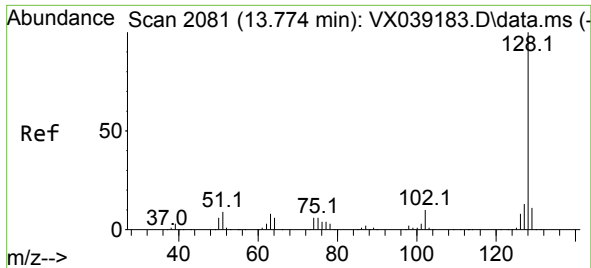
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 0.576 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

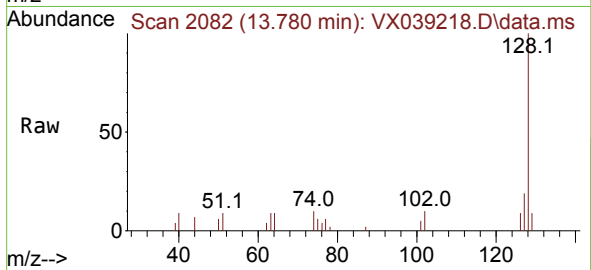
Lab File: VX039218.D

Acq: 14 Dec 2023 19:00

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	128	Resp:	4819
Ion	Ratio	Lower	Upper
128	100		
127	15.7	10.3	15.5#
129	10.1	8.8	13.2

