

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090523\
 Data File : VX037520.D
 Acq On : 05 Sep 2023 18:25
 Operator : JC/MD
 Sample : 04254-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 06 02:58:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

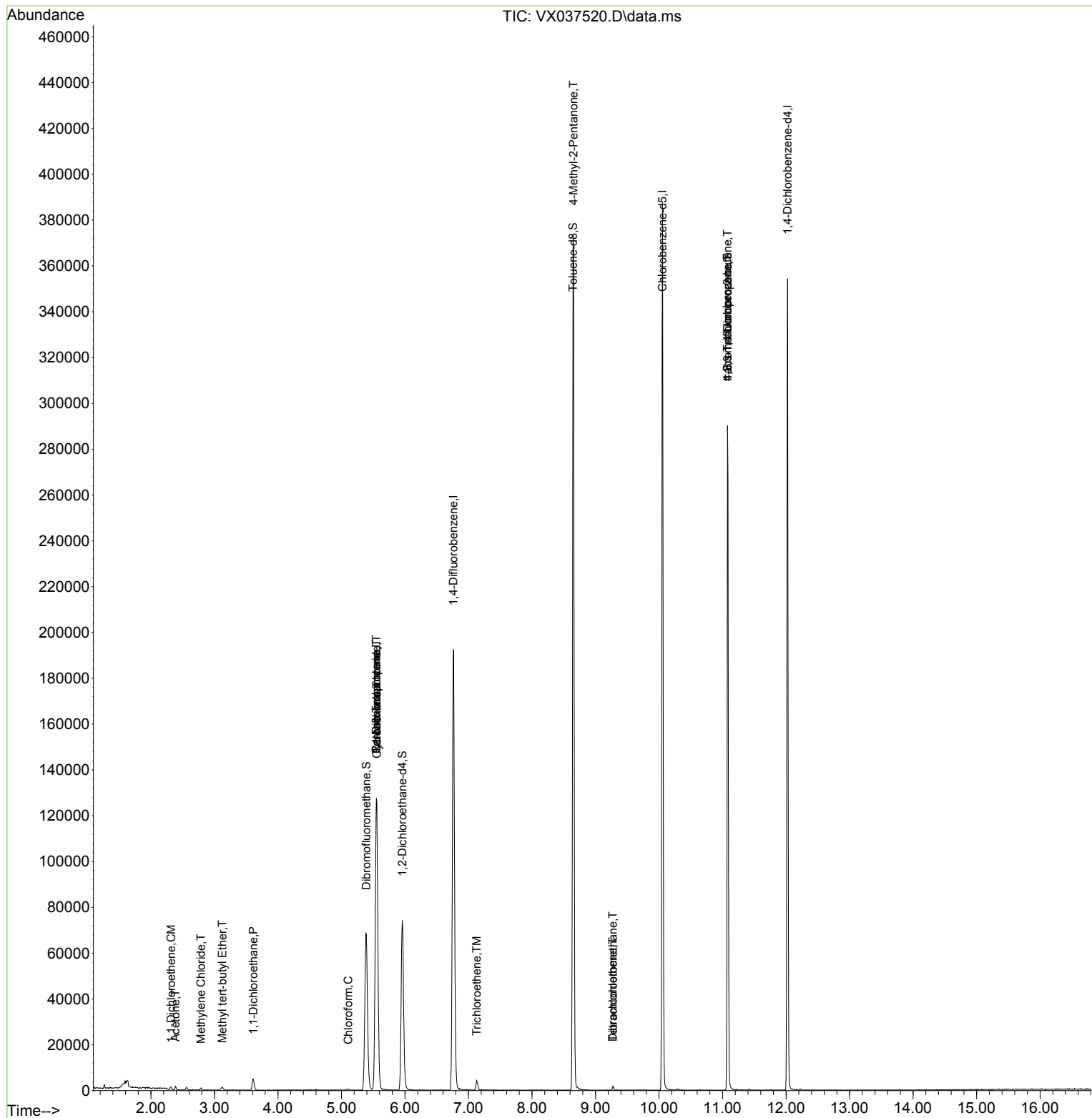
Internal Standards						
1) Pentafluorobenzene	5.550	168	124524	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	203745	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	182325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	75403	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	72809	40.557	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	81.120%
35) Dibromofluoromethane	5.391	113	61823	45.817	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.640%
50) Toluene-d8	8.647	98	238529	48.733	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.460%
62) 4-Bromofluorobenzene	11.079	95	83693	43.510	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.020%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.319	96	547	0.427	ug/l #	46
16) Acetone	2.386	43	1514	2.156	ug/l	97
19) Methyl tert-butyl Ether	3.123	73	1621	0.333	ug/l #	89
20) Methylene Chloride	2.788	84	479	0.305	ug/l	96
24) 1,1-Dichloroethane	3.611	63	5792	2.269	ug/l	98
30) Chloroform	5.105	83	801	0.279	ug/l	87
31) Cyclohexane	5.556	56	2191	1.085	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9115	4.755	ug/l #	51
38) Carbon Tetrachloride	5.550	117	12463	5.985	ug/l #	17
44) Trichloroethene	7.129	130	1989	1.276	ug/l	92
51) 4-Methyl-2-Pentanone	8.653	43	765	0.405	ug/l #	1
60) Dibromochloromethane	9.275	129	329	0.209	ug/l #	11
64) Tetrachloroethene	9.275	164	338	0.254	ug/l #	78
76) 1,2,3-Trichloropropane	11.079	75	40816	25.417	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	40816	70.992	ug/l #	5

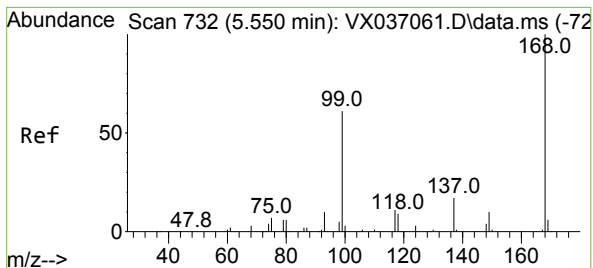
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

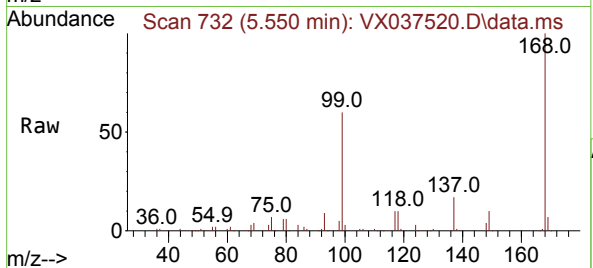
Lab File: VX037520.D

Acq: 05 Sep 2023 18:25

Instrument :

MSVOA_X

ClientSampleId :

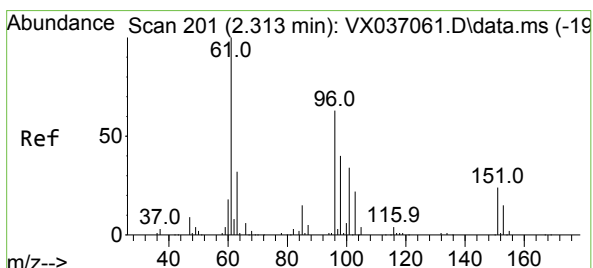
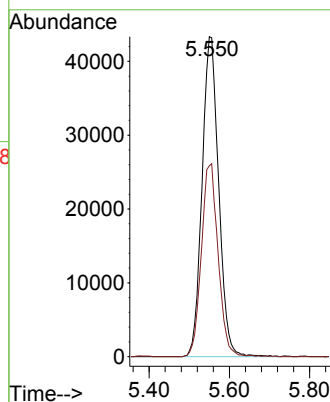
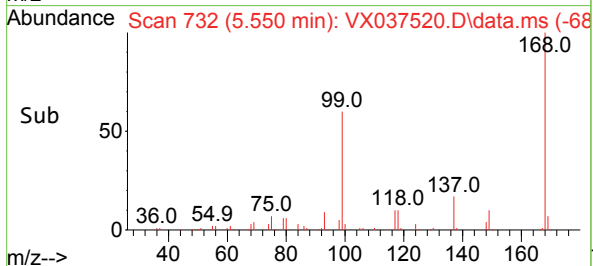


Tgt Ion:168 Resp: 124524

Ion Ratio Lower Upper

168 100

99 59.6 56.6 85.0



#12

1,1-Dichloroethene

Concen: 0.427 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.006 min

Lab File: VX037520.D

Acq: 05 Sep 2023 18:25

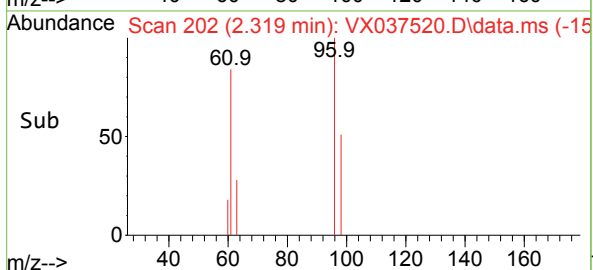
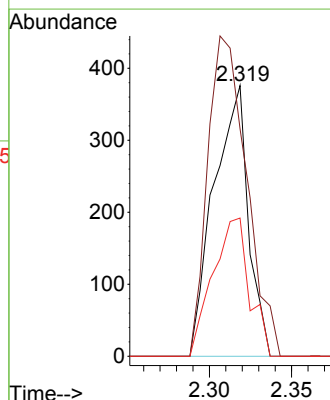
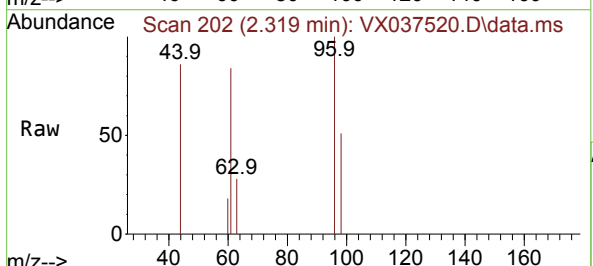
Tgt Ion: 96 Resp: 547

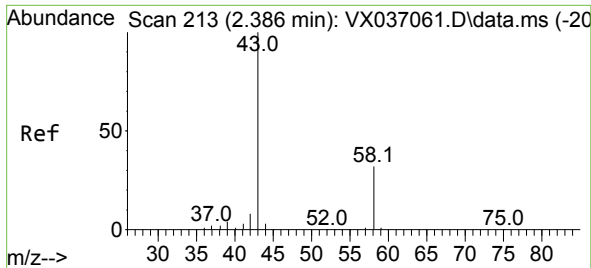
Ion Ratio Lower Upper

96 100

61 84.0 144.6 216.8#

98 51.1 50.4 75.6

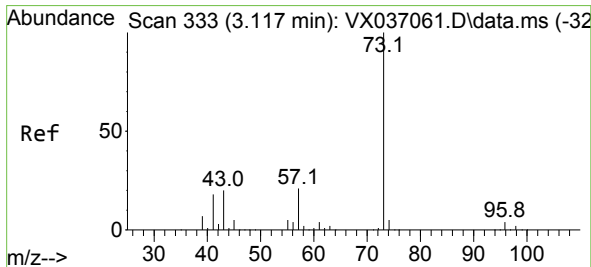
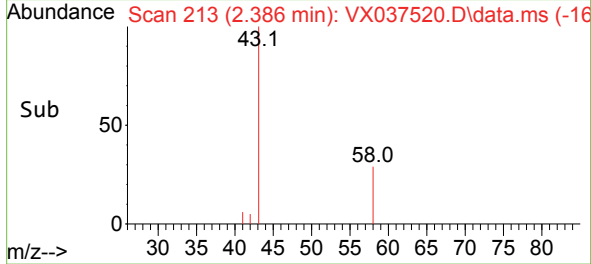
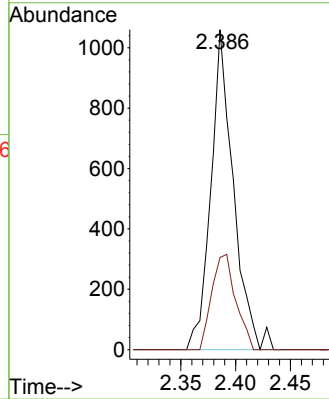
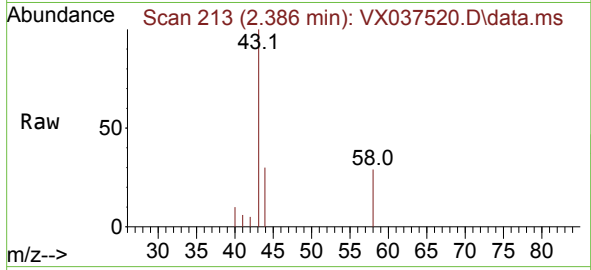




#16
Acetone
Concen: 2.156 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX037520.D
Acq: 05 Sep 2023 18:25

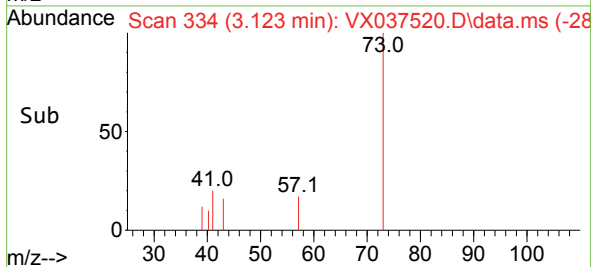
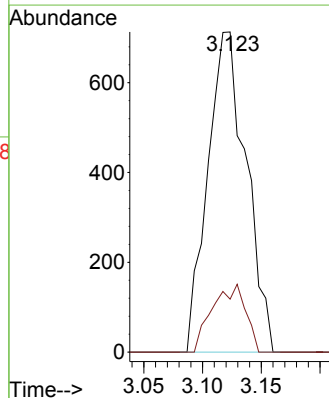
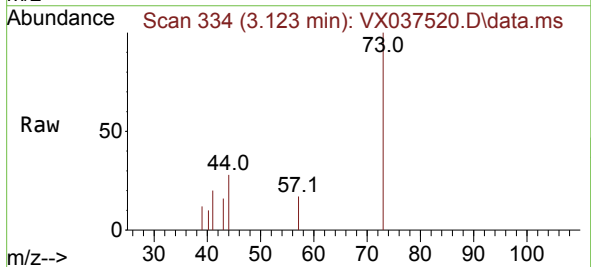
Instrument :
MSVOA_X
ClientSampleId :

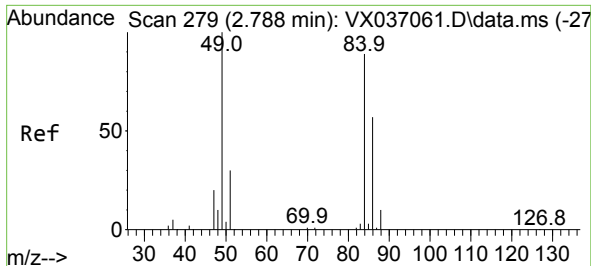
Tgt Ion: 43 Resp: 1514
Ion Ratio Lower Upper
43 100
58 28.8 21.9 32.9



#19
Methyl tert-butyl Ether
Concen: 0.333 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.006 min
Lab File: VX037520.D
Acq: 05 Sep 2023 18:25

Tgt Ion: 73 Resp: 1621
Ion Ratio Lower Upper
73 100
57 16.5 17.3 25.9#





#20

Methylene Chloride

Concen: 0.305 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

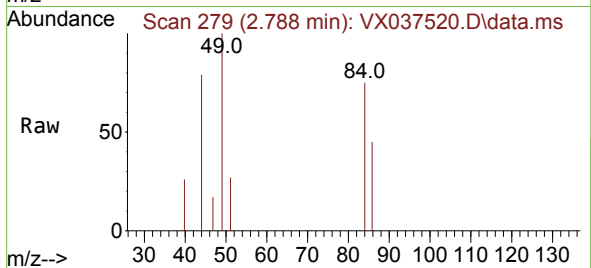
Lab File: VX037520.D

Acq: 05 Sep 2023 18:25

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 479

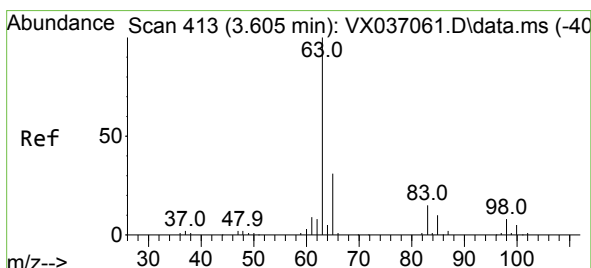
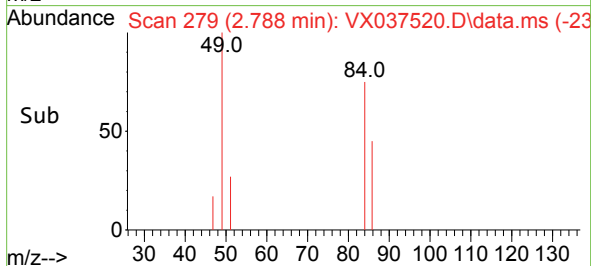
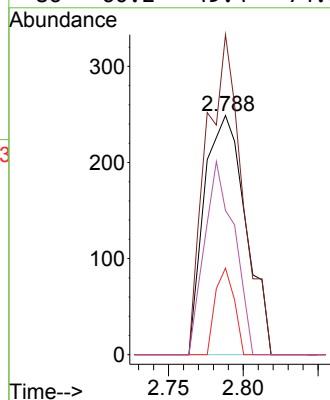
Ion Ratio Lower Upper

84 100

49 133.7 103.6 155.4

51 36.1 33.8 50.6

86 60.2 49.4 74.0



#24

1,1-Dichloroethane

Concen: 2.269 ug/l

RT: 3.611 min Scan# 414

Delta R.T. 0.006 min

Lab File: VX037520.D

Acq: 05 Sep 2023 18:25

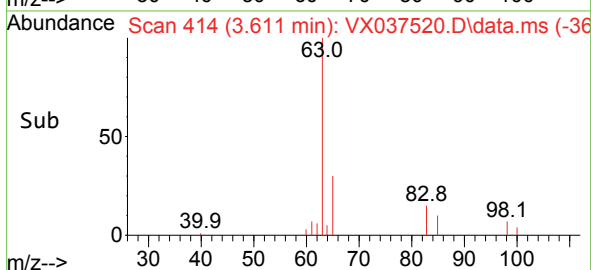
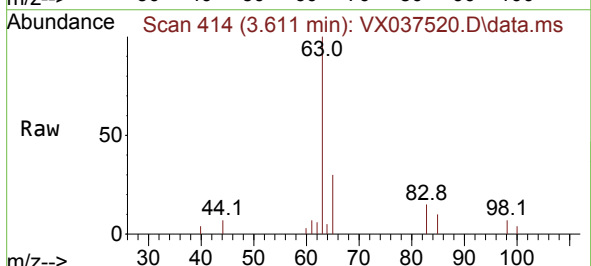
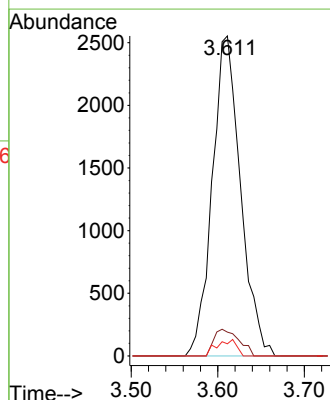
Tgt Ion: 63 Resp: 5792

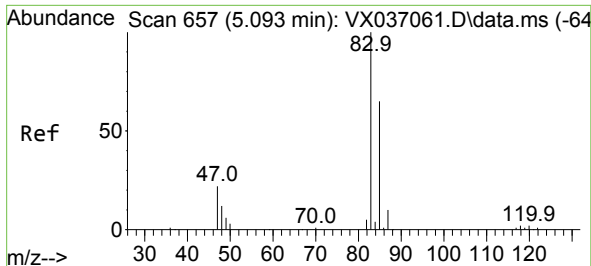
Ion Ratio Lower Upper

63 100

98 7.4 3.3 9.8

100 3.8 2.1 6.5





#30

Chloroform

Concen: 0.279 ug/l

RT: 5.105 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX037520.D

Acq: 05 Sep 2023 18:25

Instrument :

MSVOA_X

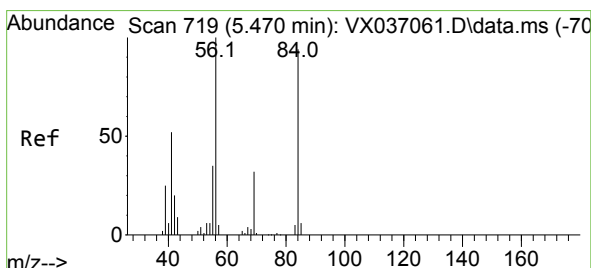
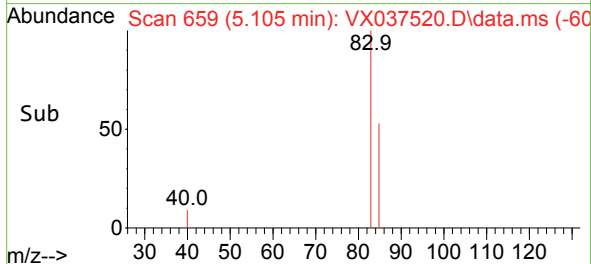
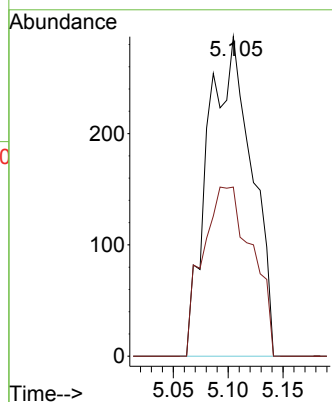
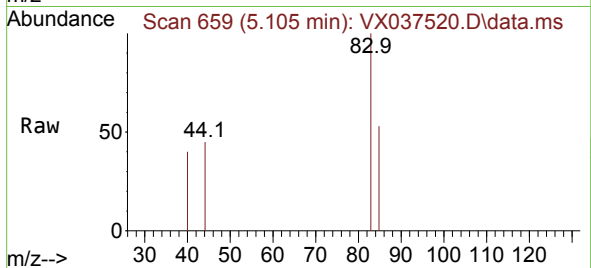
ClientSampleId :

Tgt Ion: 83 Resp: 801

Ion Ratio Lower Upper

83 100

85 53.0 50.3 75.5



#31

Cyclohexane

Concen: 1.085 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX037520.D

Acq: 05 Sep 2023 18:25

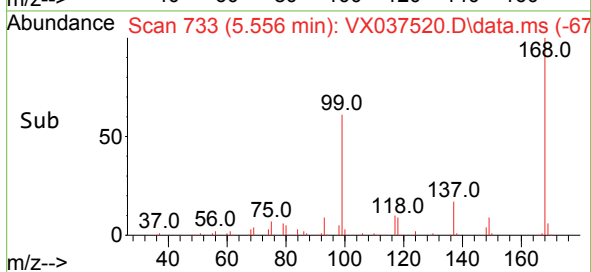
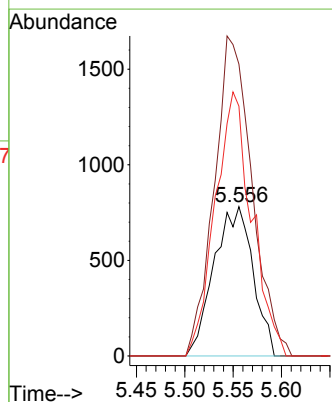
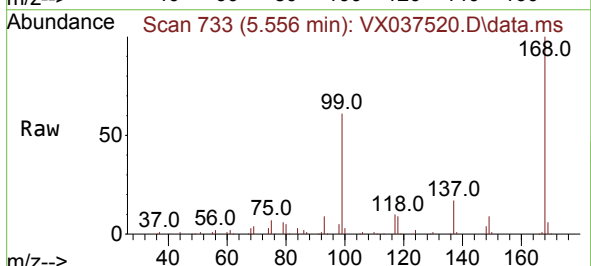
Tgt Ion: 56 Resp: 2191

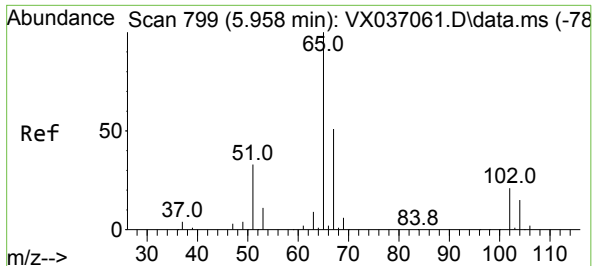
Ion Ratio Lower Upper

56 100

69 195.5 23.4 35.2#

84 167.3 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 40.557 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX037520.D

Acq: 05 Sep 2023 18:25

Instrument :

MSVOA_X

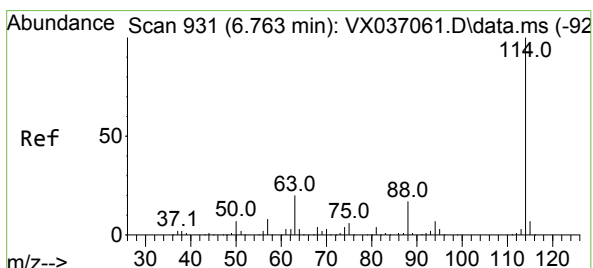
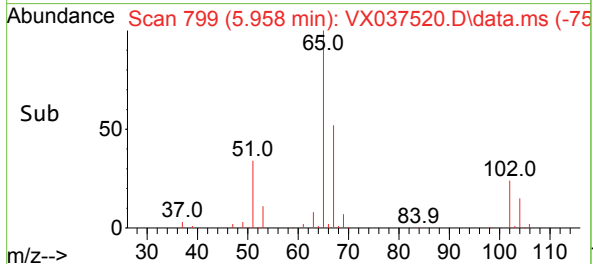
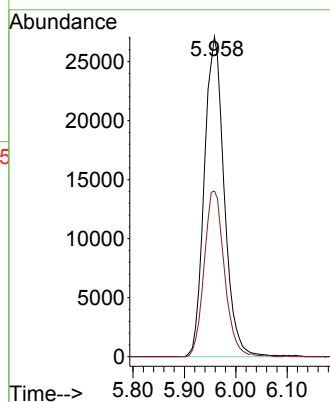
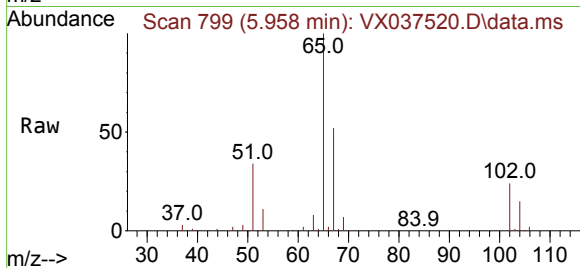
ClientSampleId :

Tgt Ion: 65 Resp: 72809

Ion Ratio Lower Upper

65 100

67 52.7 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX037520.D

Acq: 05 Sep 2023 18:25

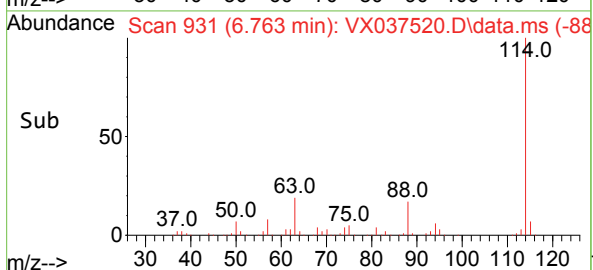
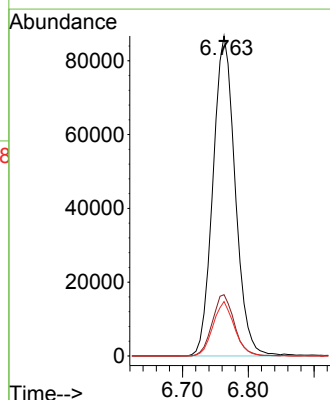
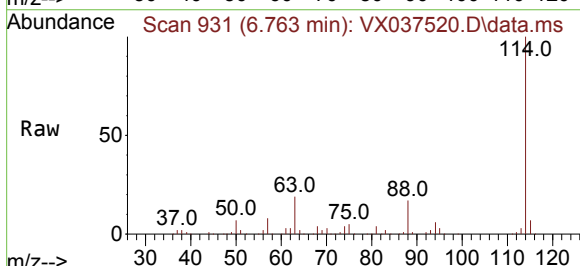
Tgt Ion: 114 Resp: 203745

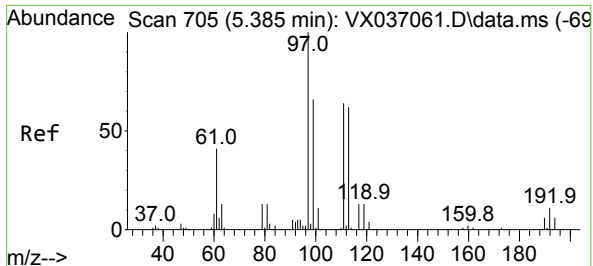
Ion Ratio Lower Upper

114 100

63 19.2 0.0 45.0

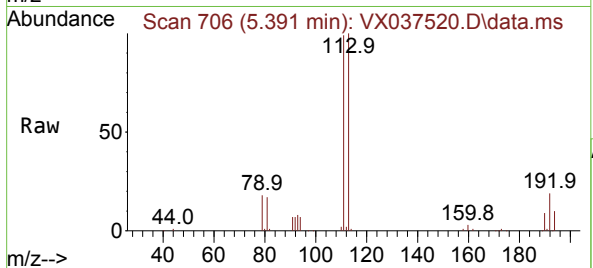
88 17.0 0.0 36.6



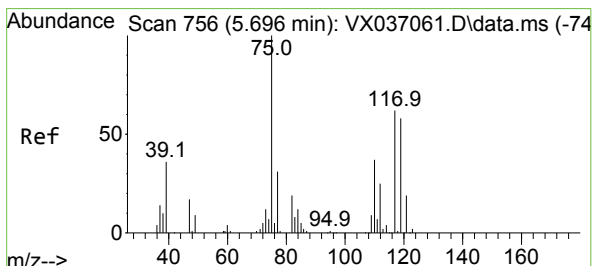
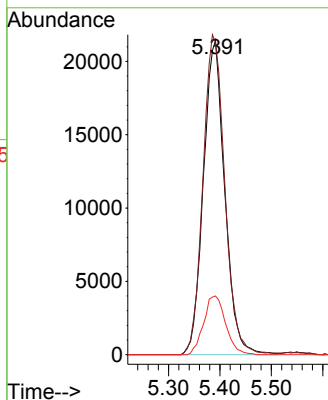
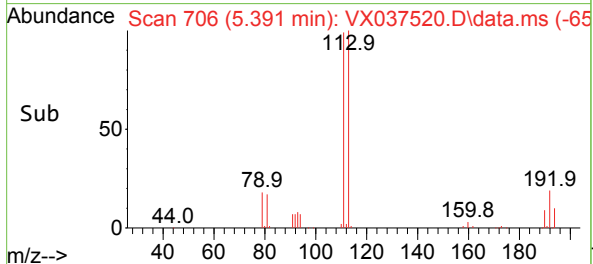


#35
Dibromofluoromethane
Concen: 45.817 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX037520.D
Acq: 05 Sep 2023 18:25

Instrument :
MSVOA_X
ClientSampleId :

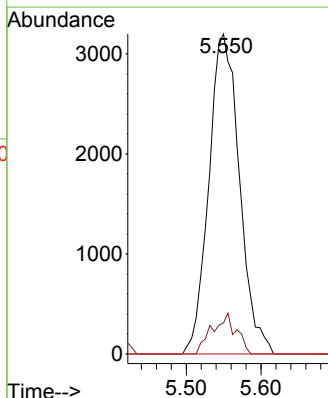
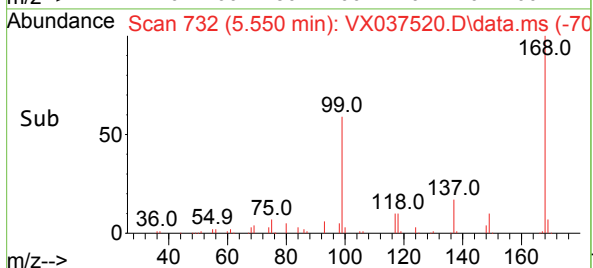
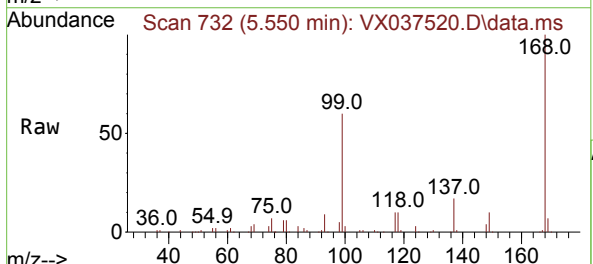


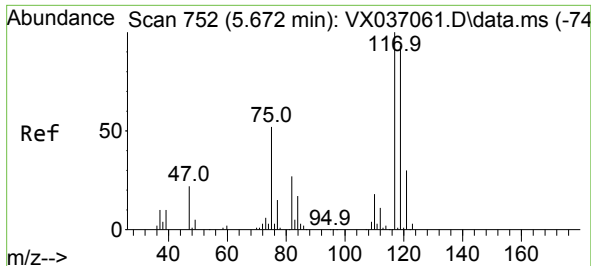
Tgt Ion:113 Resp: 61823
Ion Ratio Lower Upper
113 100
111 104.1 82.9 124.3
192 19.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.755 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX037520.D
Acq: 05 Sep 2023 18:25

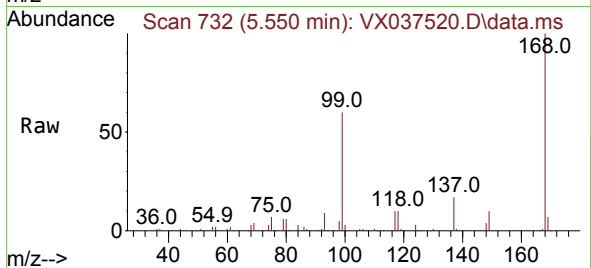
Tgt Ion: 75 Resp: 9115
Ion Ratio Lower Upper
75 100
110 9.9 17.0 50.9#
77 0.0 24.7 37.1#



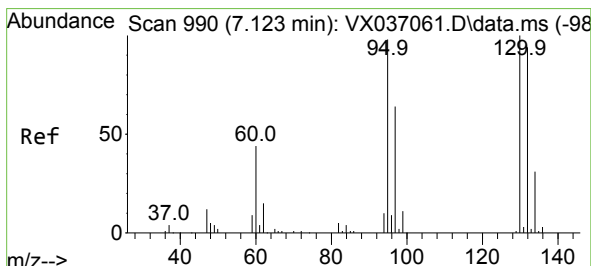
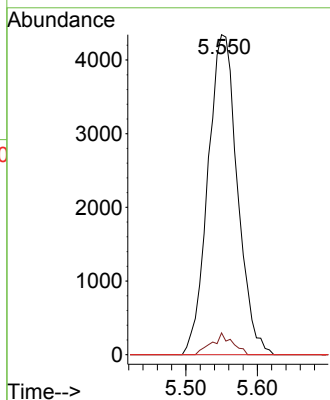
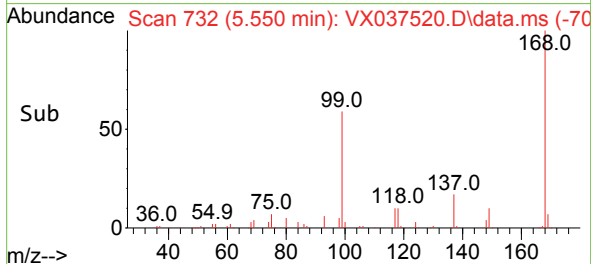


#38
Carbon Tetrachloride
Concen: 5.985 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037520.D
Acq: 05 Sep 2023 18:25

Instrument :
MSVOA_X
ClientSampleId :

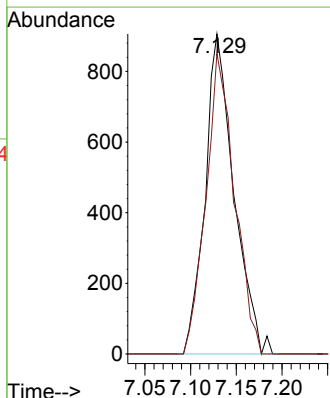
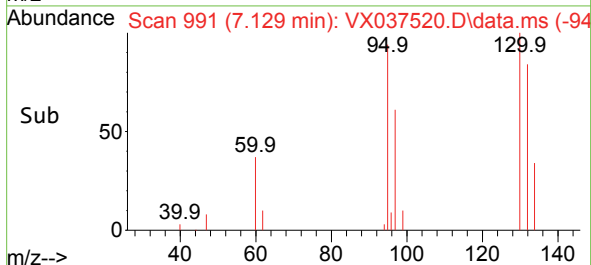
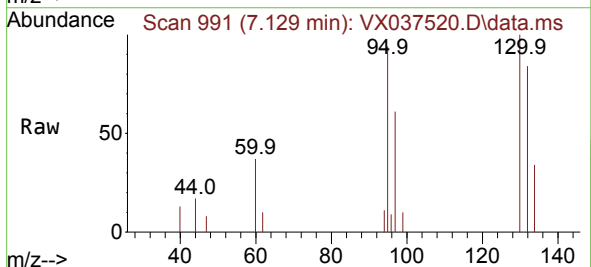


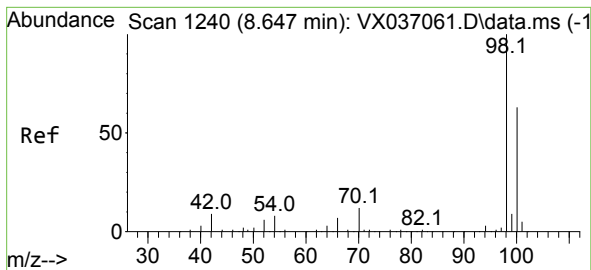
Tgt Ion:117 Resp: 12463
Ion Ratio Lower Upper
117 100
119 6.8 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 1.276 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037520.D
Acq: 05 Sep 2023 18:25

Tgt Ion:130 Resp: 1989
Ion Ratio Lower Upper
130 100
95 93.9 0.0 204.4





#50

Toluene-d8

Concen: 48.733 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX037520.D

Acq: 05 Sep 2023 18:25

Instrument :

MSVOA_X

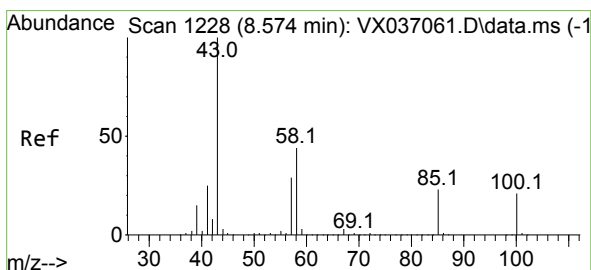
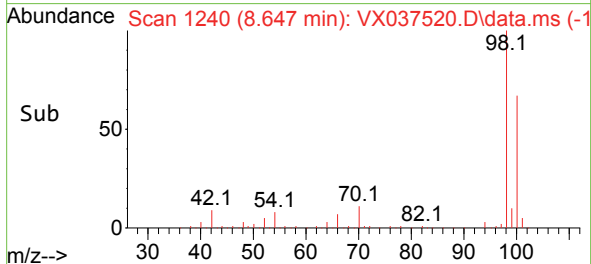
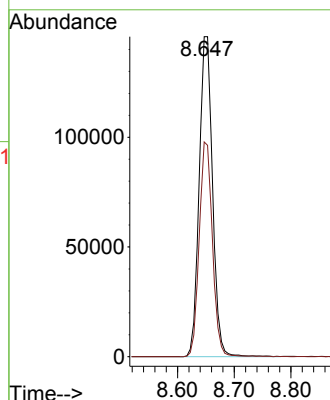
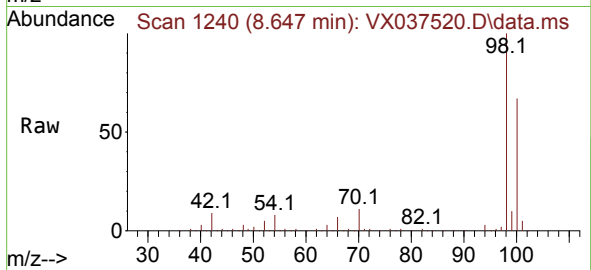
ClientSampleId :

Tgt Ion: 98 Resp: 238529

Ion Ratio Lower Upper

98 100

100 66.2 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.405 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.079 min

Lab File: VX037520.D

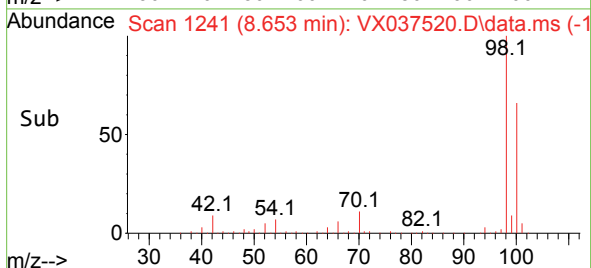
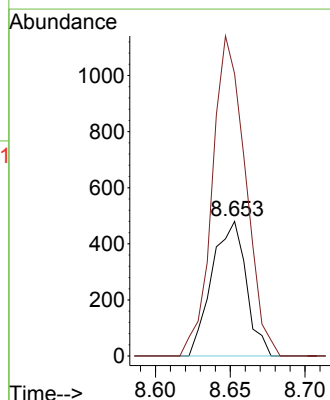
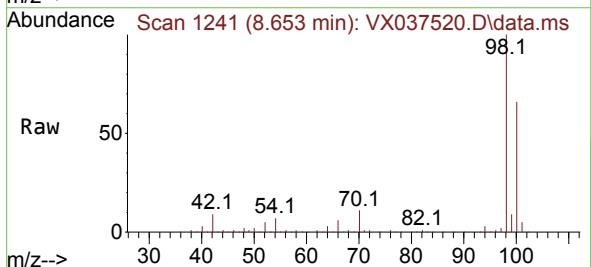
Acq: 05 Sep 2023 18:25

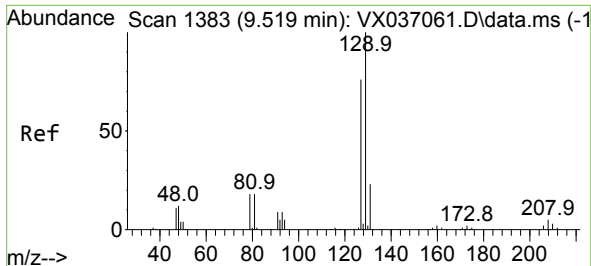
Tgt Ion: 43 Resp: 765

Ion Ratio Lower Upper

43 100

58 229.9 30.4 45.6#

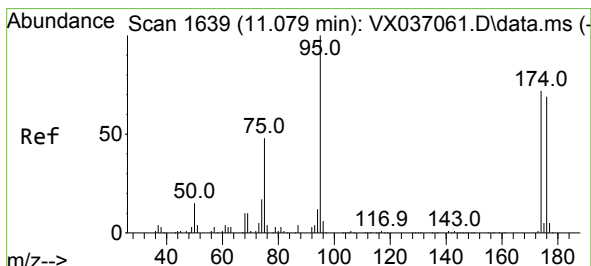
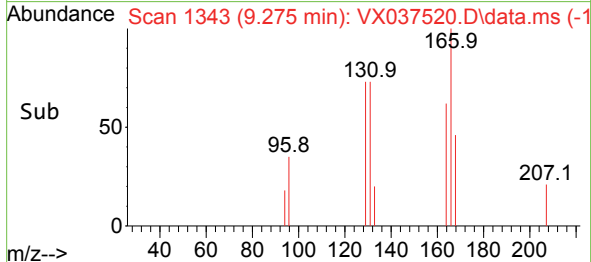
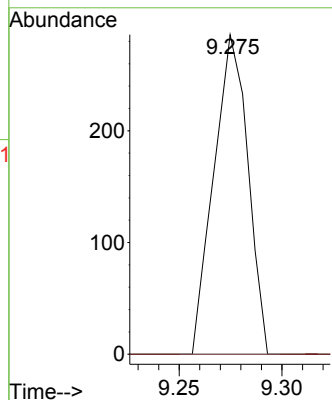
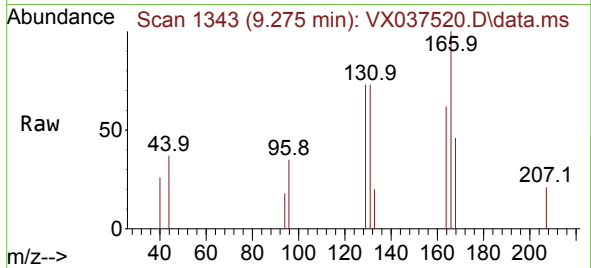




#60
Dibromochloromethane
Concen: 0.209 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX037520.D
Acq: 05 Sep 2023 18:25

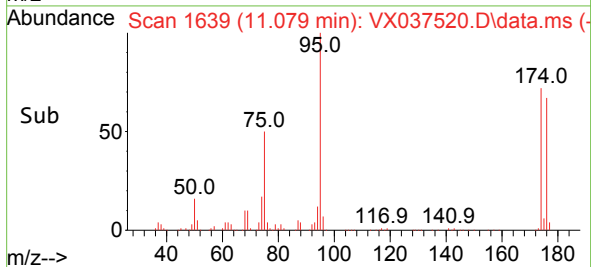
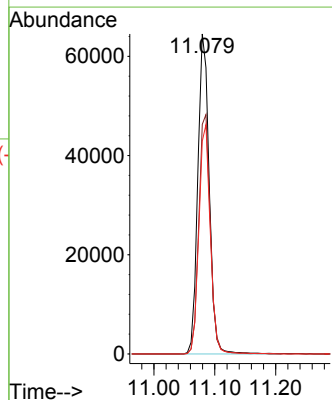
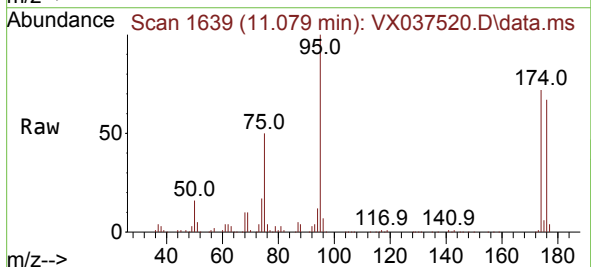
Instrument :
MSVOA_X
ClientSampleId :

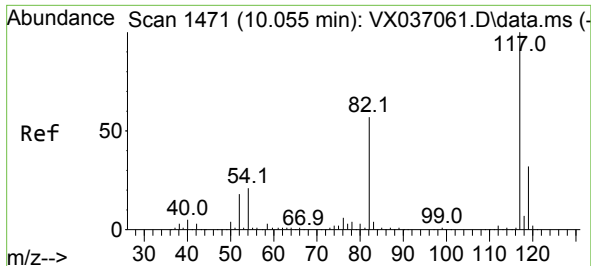
Tgt Ion:129 Resp: 329
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 43.510 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037520.D
Acq: 05 Sep 2023 18:25

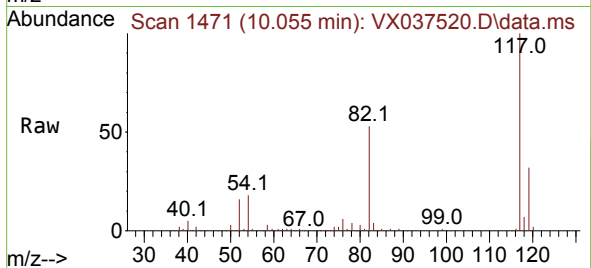
Tgt Ion: 95 Resp: 83693
Ion Ratio Lower Upper
95 100
174 75.8 0.0 135.6
176 71.9 0.0 131.0



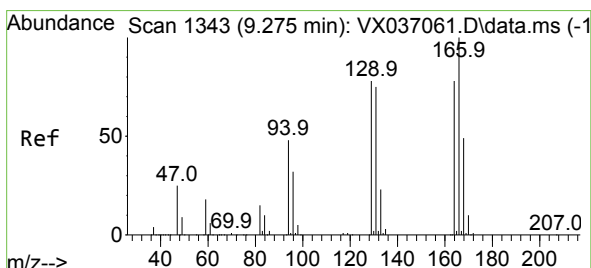
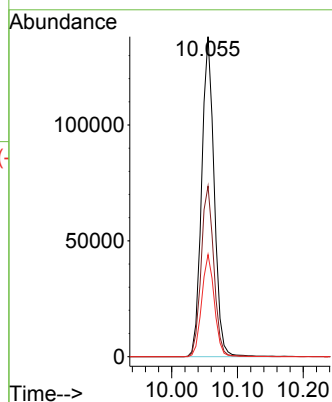
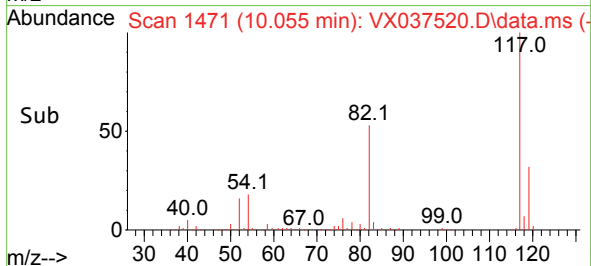


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037520.D
Acq: 05 Sep 2023 18:25

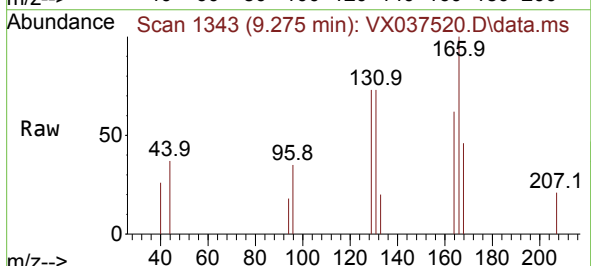
Instrument :
MSVOA_X
ClientSampleId :



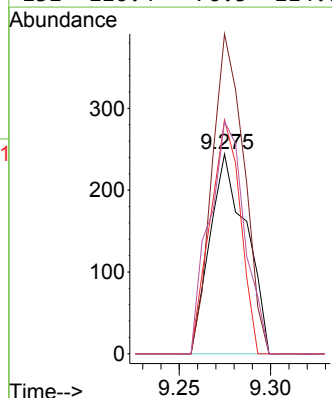
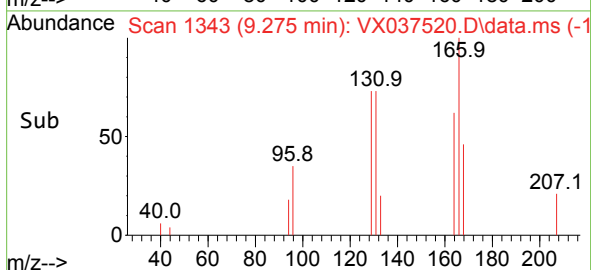
Tgt Ion:117 Resp: 182325
Ion Ratio Lower Upper
117 100
82 53.3 46.2 69.4
119 31.9 25.5 38.3

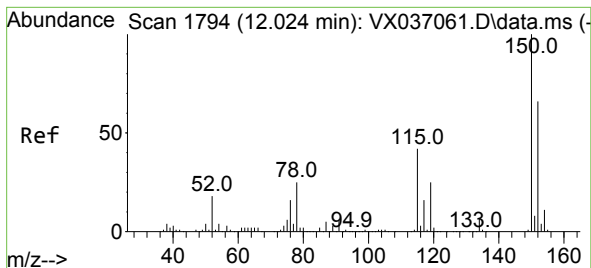


#64
Tetrachloroethene
Concen: 0.254 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX037520.D
Acq: 05 Sep 2023 18:25



Tgt Ion:164 Resp: 338
Ion Ratio Lower Upper
164 100
166 160.2 102.7 154.1#
129 117.2 80.4 120.6
131 116.4 76.5 114.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX037520.D

Acq: 05 Sep 2023 18:25

Instrument :

MSVOA_X

ClientSampleId :

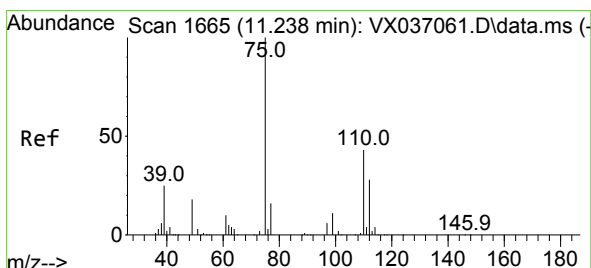
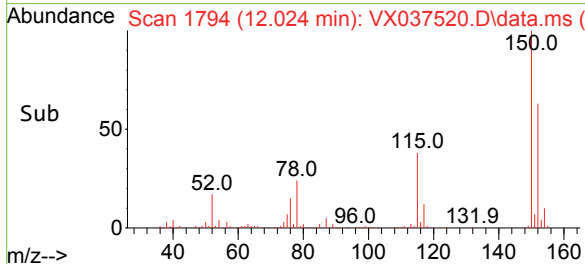
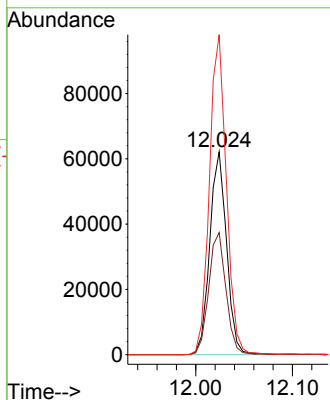
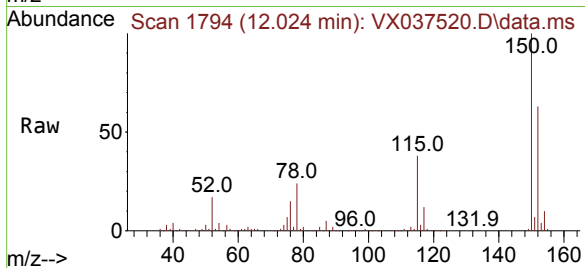
Tgt Ion:152 Resp: 75403

Ion Ratio Lower Upper

152 100

115 61.7 43.3 129.9

150 158.3 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 25.417 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX037520.D

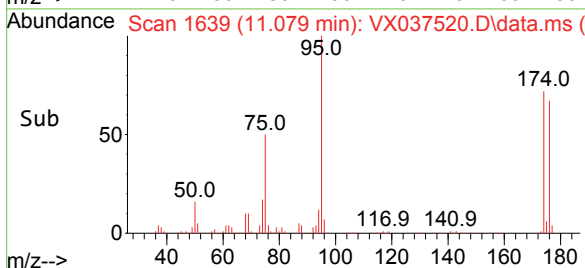
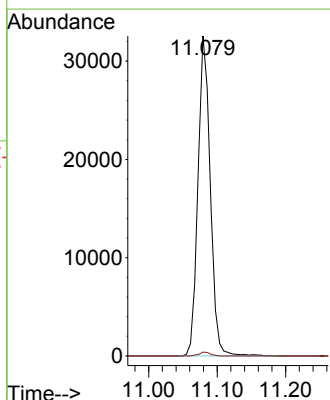
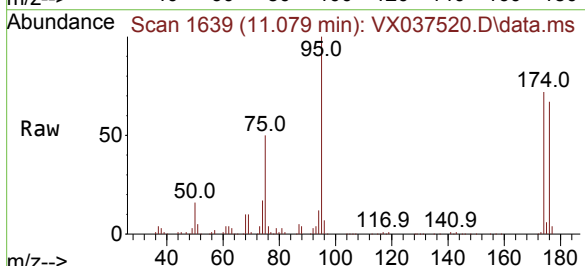
Acq: 05 Sep 2023 18:25

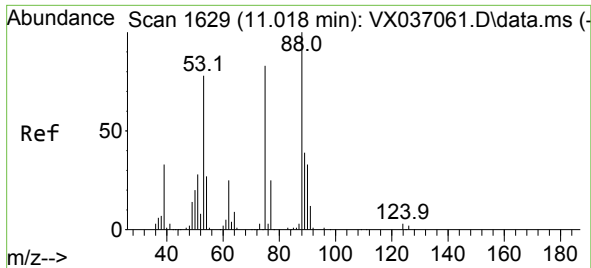
Tgt Ion: 75 Resp: 40816

Ion Ratio Lower Upper

75 100

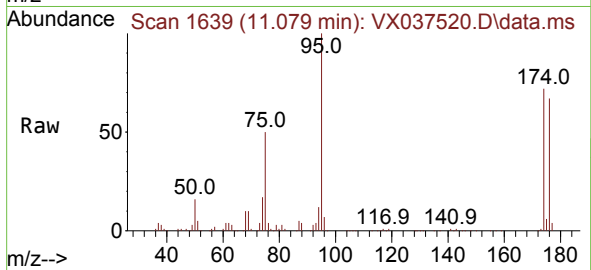
77 1.1 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 70.992 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX037520.D
Acq: 05 Sep 2023 18:25

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 40816
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

