

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121223\
 Data File : VX039165.D
 Acq On : 12 Dec 2023 15:02
 Operator : JC/MD
 Sample : 05729-03RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 13 04:16:50 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.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	108775	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	227333	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	118927	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	94455	53.890	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	107.780%
35) Dibromofluoromethane	5.385	113	73901	45.011	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.020%
50) Toluene-d8	8.647	98	283842	45.185	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.360%#
62) 4-Bromofluorobenzene	11.079	95	130934	52.068	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.140%

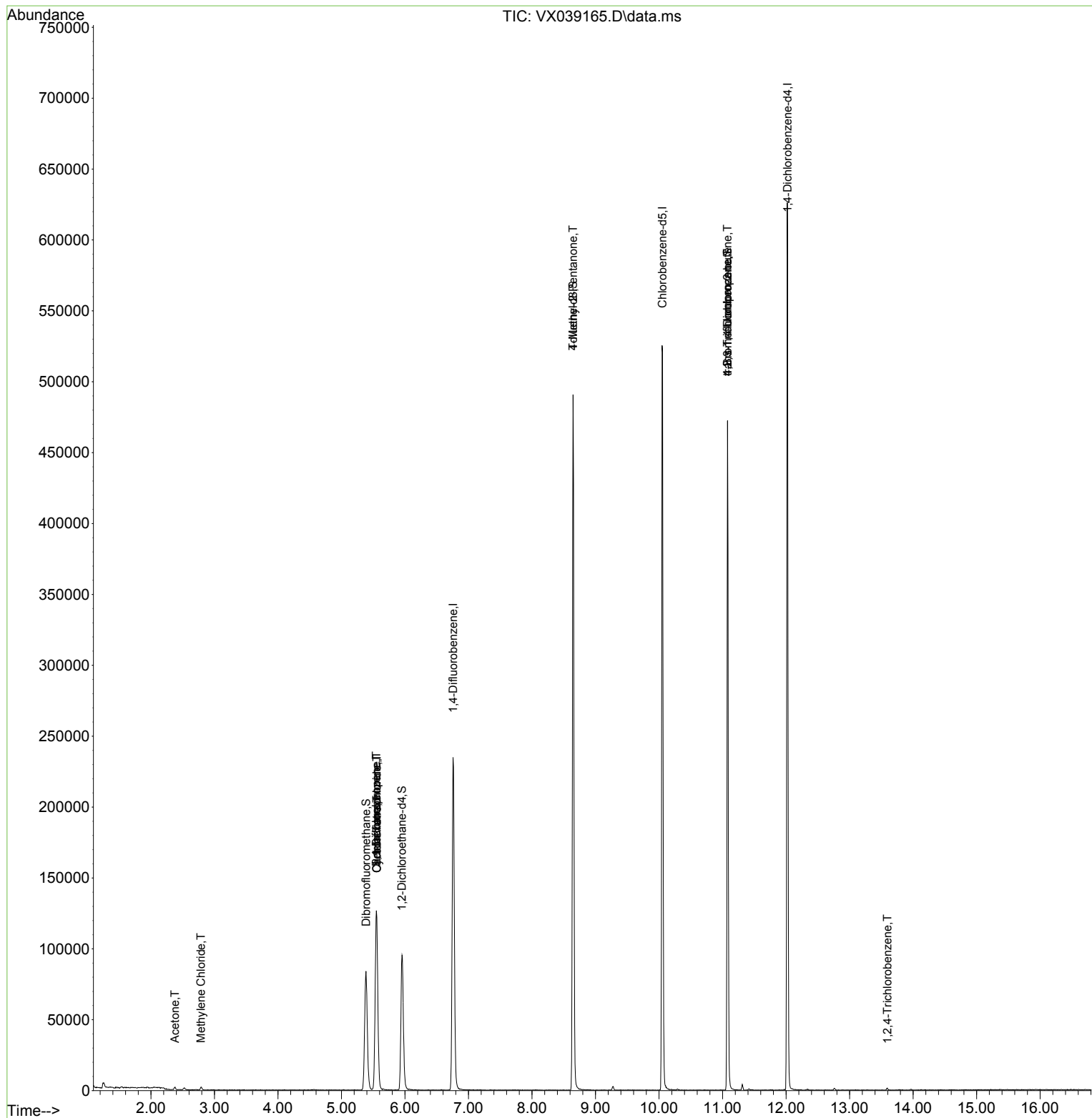
Target Compounds					Qvalue	
16) Acetone	2.380	43	1881	2.016	ug/l #	84
20) Methylene Chloride	2.788	84	967	0.575	ug/l #	89
31) Cyclohexane	5.556	56	3247	1.298	ug/l #	6
36) 1,1-Dichloropropene	5.550	75	10663	4.531	ug/l #	50
38) Carbon Tetrachloride	5.556	117	12374	5.690	ug/l #	14
51) 4-Methyl-2-Pentanone	8.647	43	1485	0.474	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	70722	23.835	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	70722	52.867	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.597	180	542	0.209	ug/l	89

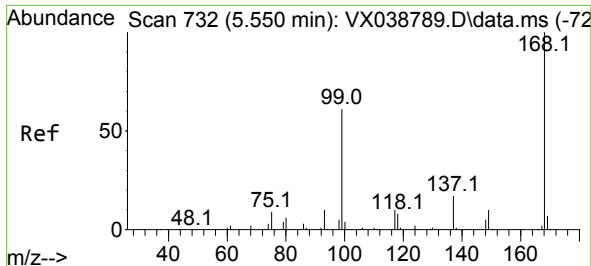
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 13 04:16:50 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

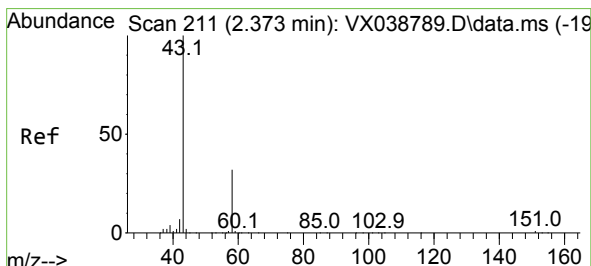
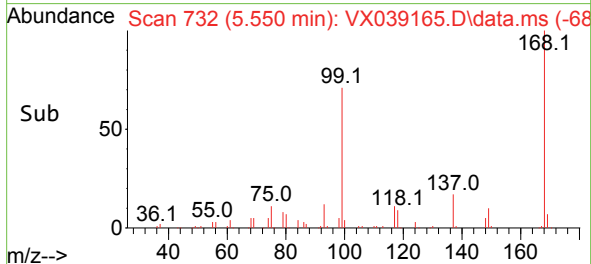
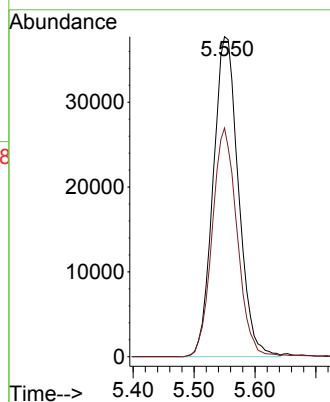
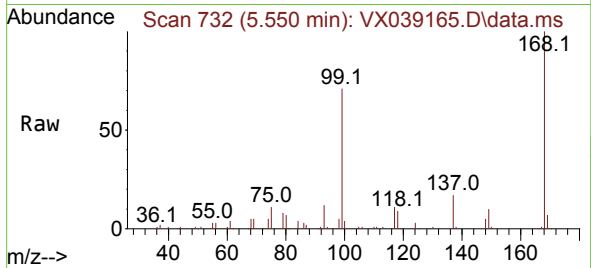




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039165.D
Acq: 12 Dec 2023 15:02

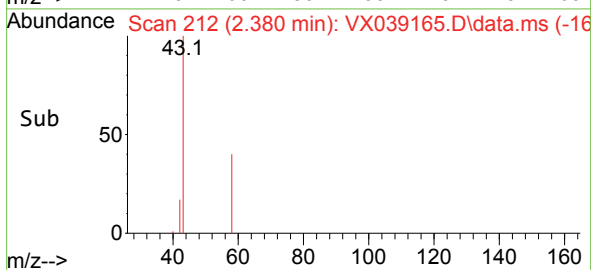
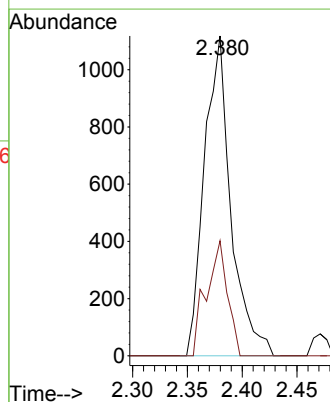
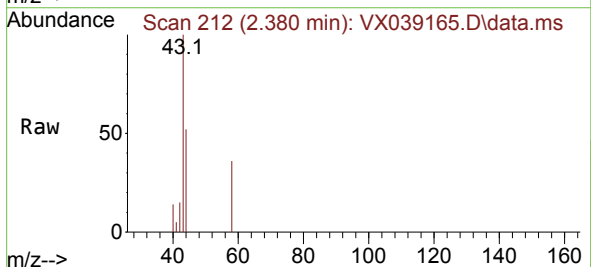
Instrument :
MSVOA_X
ClientSampleId :

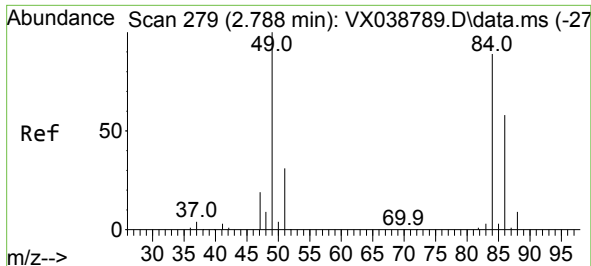
Tgt Ion:168 Resp: 108775
Ion Ratio Lower Upper
168 100
99 71.5 56.6 85.0



#16
Acetone
Concen: 2.016 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX039165.D
Acq: 12 Dec 2023 15:02

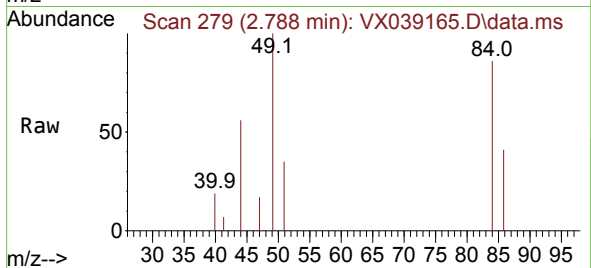
Tgt Ion: 43 Resp: 1881
Ion Ratio Lower Upper
43 100
58 36.0 21.9 32.9#



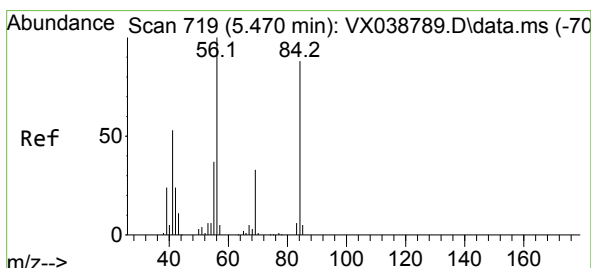
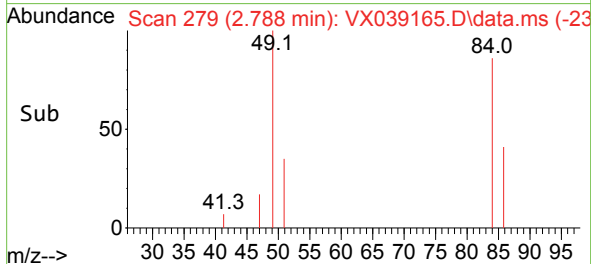
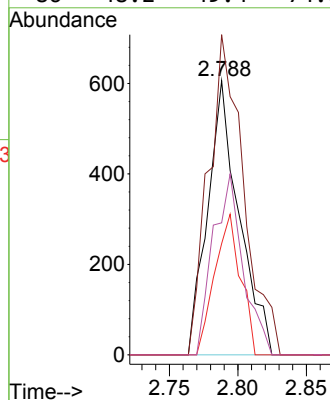


#20
Methylene Chloride
Concen: 0.575 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX039165.D
Acq: 12 Dec 2023 15:02

Instrument :
MSVOA_X
ClientSampleId :

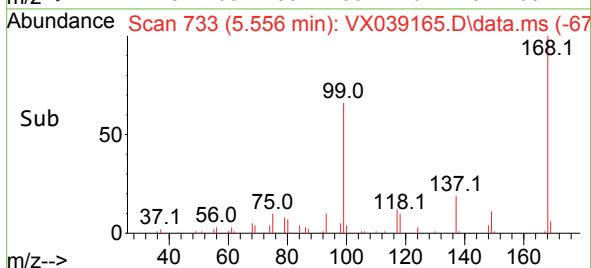
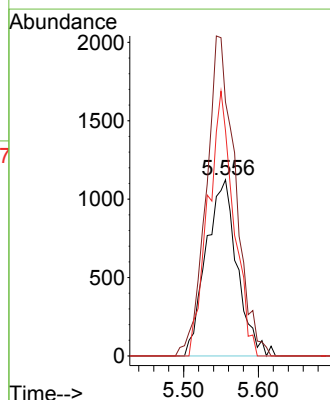
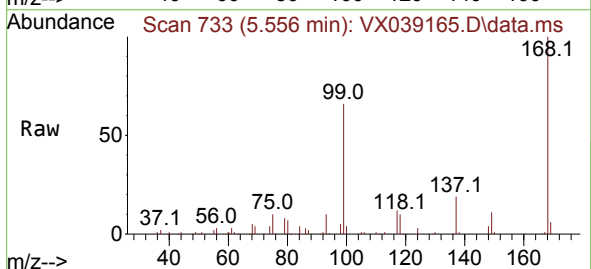


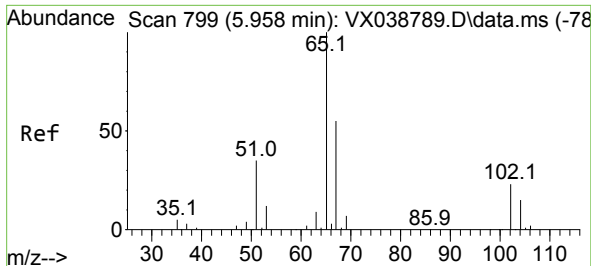
Tgt Ion:	84	Resp:	967
Ion	Ratio	Lower	Upper
84	100		
49	116.8	103.6	155.4
51	40.6	33.8	50.6
86	48.2	49.4	74.0#



#31
Cyclohexane
Concen: 1.298 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.086 min
Lab File: VX039165.D
Acq: 12 Dec 2023 15:02

Tgt Ion:	56	Resp:	3247
Ion	Ratio	Lower	Upper
56	100		
69	144.1	23.4	35.2#
84	127.9	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 53.890 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX039165.D

Acq: 12 Dec 2023 15:02

Instrument :

MSVOA_X

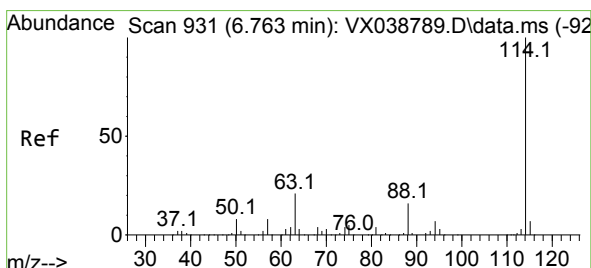
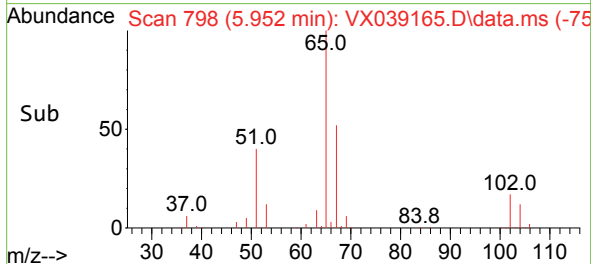
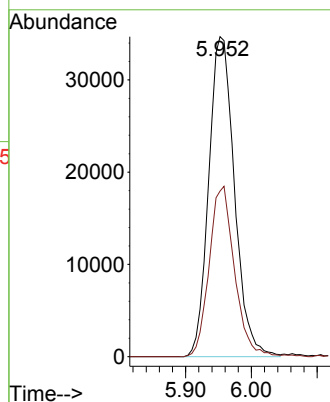
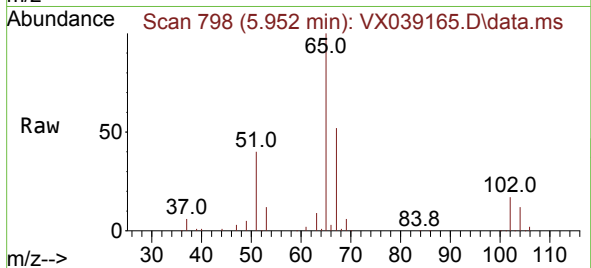
ClientSampleId :

Tgt Ion: 65 Resp: 94455

Ion Ratio Lower Upper

65 100

67 52.2 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: VX039165.D

Acq: 12 Dec 2023 15:02

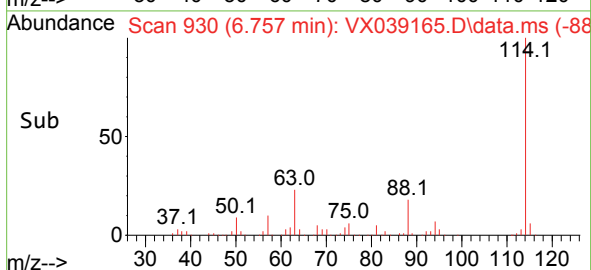
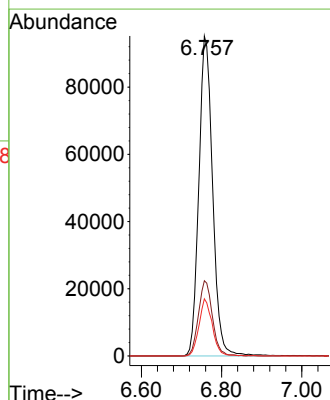
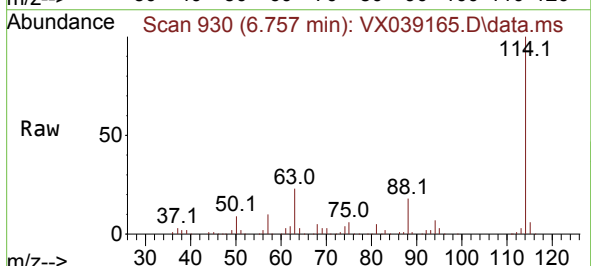
Tgt Ion: 114 Resp: 227333

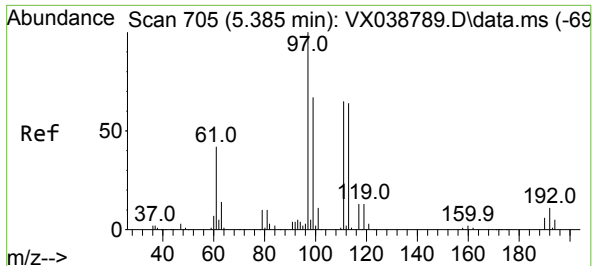
Ion Ratio Lower Upper

114 100

63 23.5 0.0 45.0

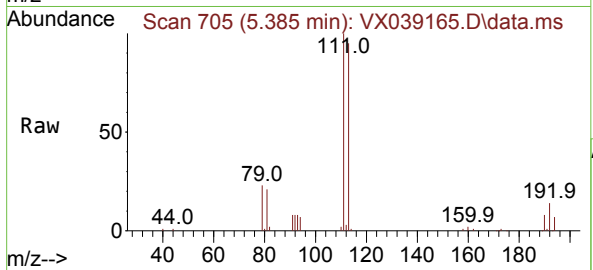
88 17.8 0.0 36.6



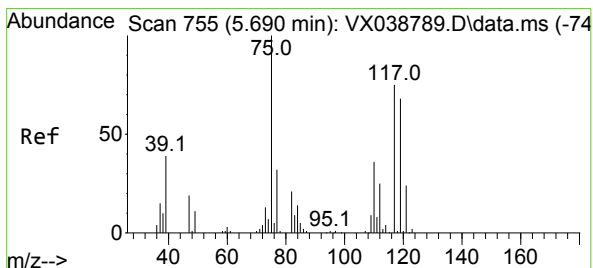
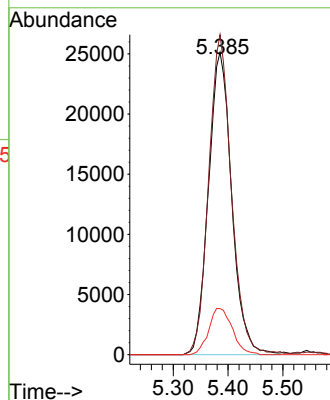
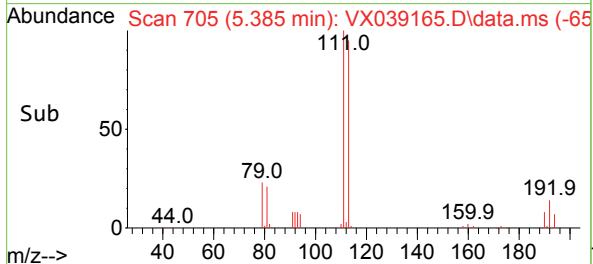


#35
Dibromofluoromethane
Concen: 45.011 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039165.D
Acq: 12 Dec 2023 15:02

Instrument :
MSVOA_X
ClientSampleId :

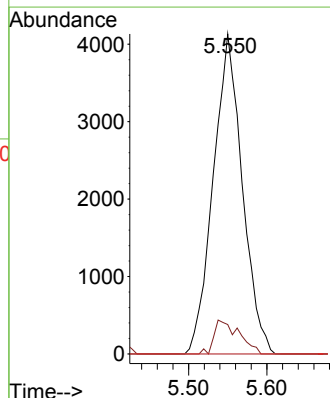
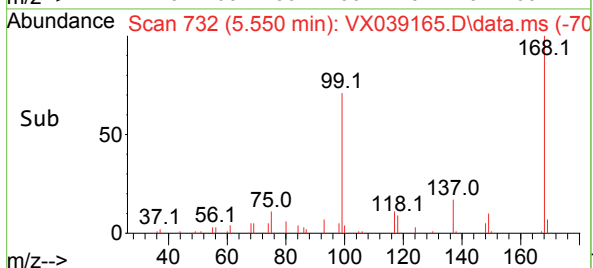
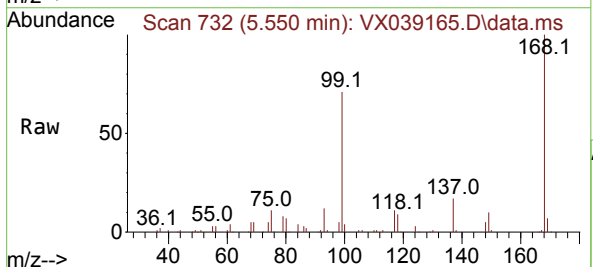


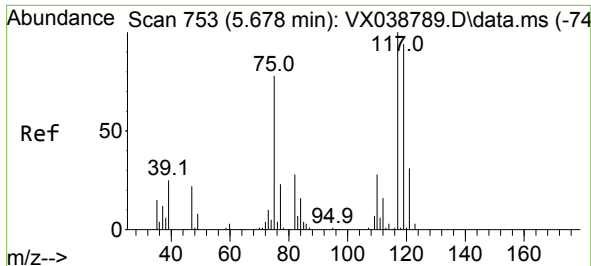
Tgt Ion:113 Resp: 73901
Ion Ratio Lower Upper
113 100
111 103.0 82.9 124.3
192 15.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.531 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX039165.D
Acq: 12 Dec 2023 15:02

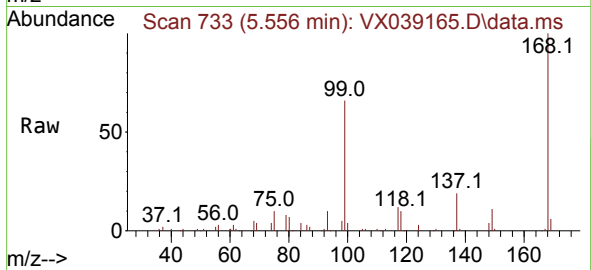
Tgt Ion: 75 Resp: 10663
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#



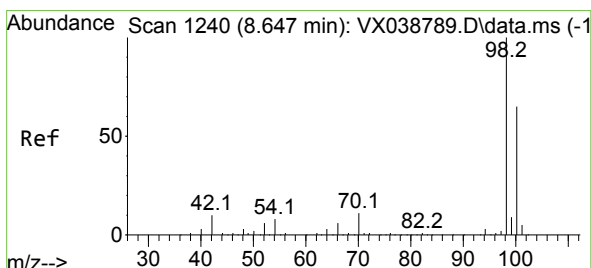
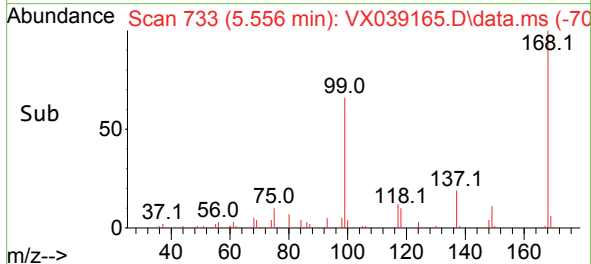
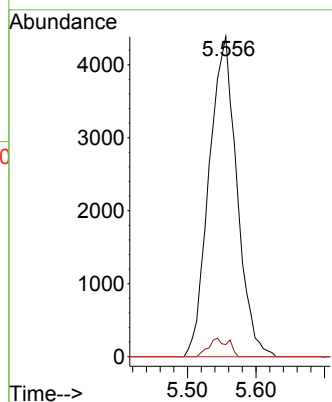


#38
Carbon Tetrachloride
Concen: 5.690 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX039165.D
Acq: 12 Dec 2023 15:02

Instrument :
MSVOA_X
ClientSampleId :

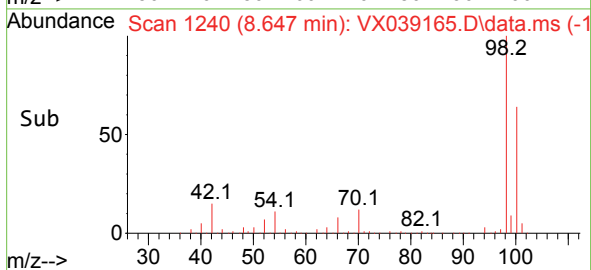
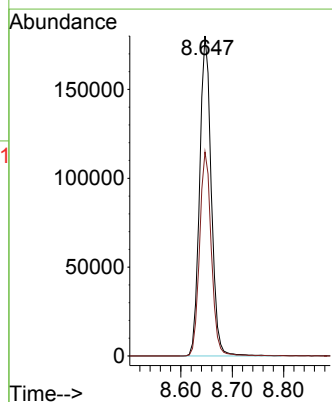
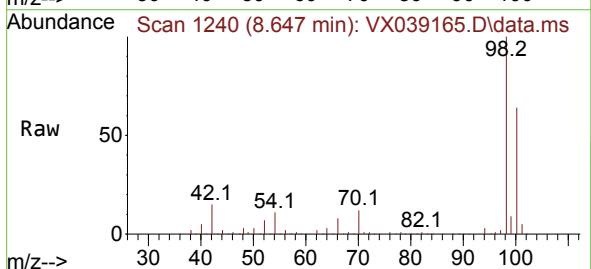


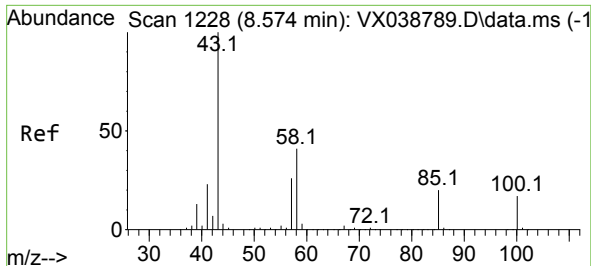
Tgt Ion:117 Resp: 12374
Ion Ratio Lower Upper
117 100
119 3.8 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 45.185 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039165.D
Acq: 12 Dec 2023 15:02

Tgt Ion: 98 Resp: 283842
Ion Ratio Lower Upper
98 100
100 64.2 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.474 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX039165.D

Acq: 12 Dec 2023 15:02

Instrument :

MSVOA_X

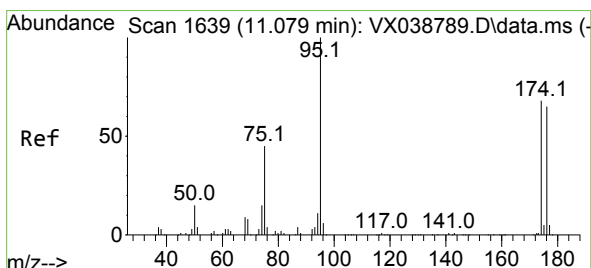
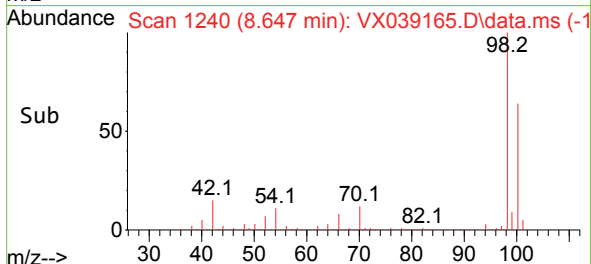
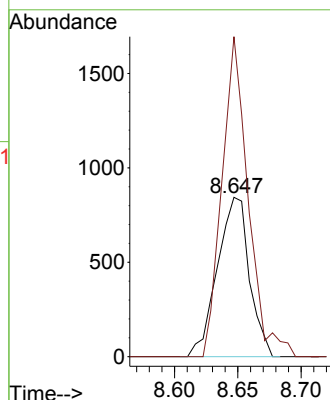
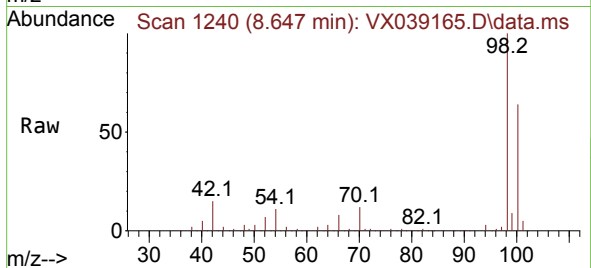
ClientSampleId :

Tgt Ion: 43 Resp: 1485

Ion Ratio Lower Upper

43 100

58 164.4 30.4 45.6#



#62

4-Bromofluorobenzene

Concen: 52.068 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX039165.D

Acq: 12 Dec 2023 15:02

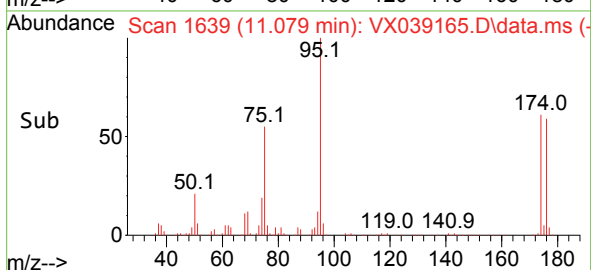
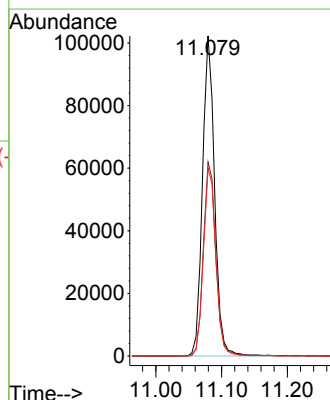
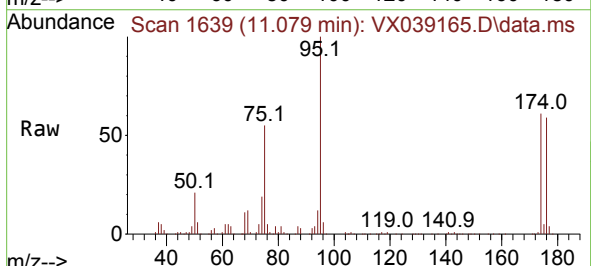
Tgt Ion: 95 Resp: 130934

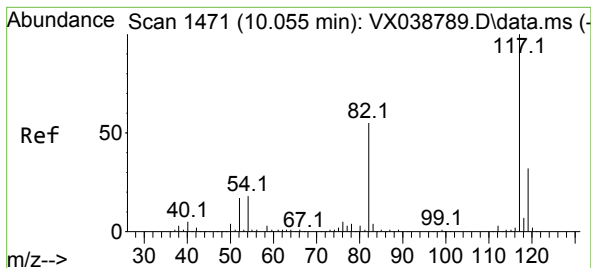
Ion Ratio Lower Upper

95 100

174 62.4 0.0 135.6

176 60.1 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: VX039165.D

Acq: 12 Dec 2023 15:02

Instrument :

MSVOA_X

ClientSampleId :

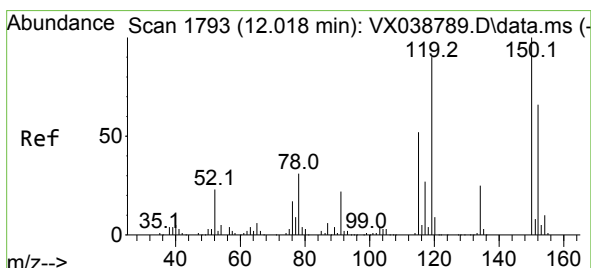
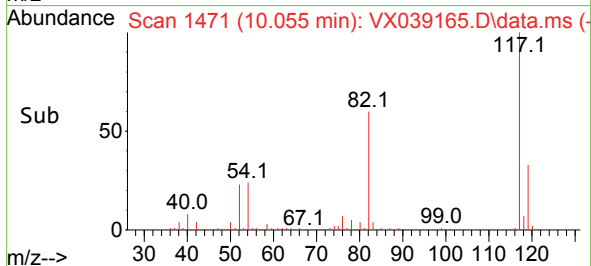
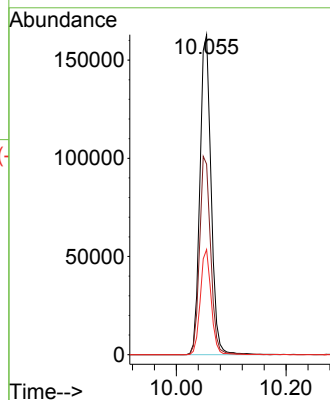
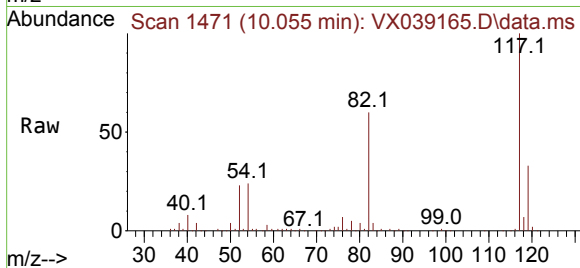
Tgt Ion:117 Resp: 230727

Ion Ratio Lower Upper

117 100

82 59.6 46.2 69.4

119 32.9 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VX039165.D

Acq: 12 Dec 2023 15:02

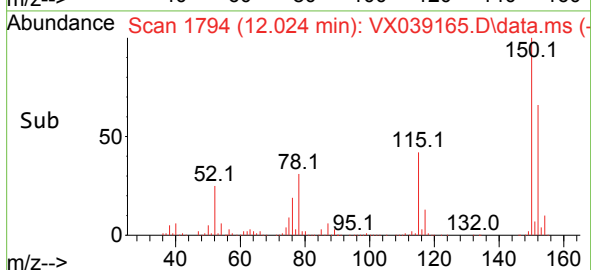
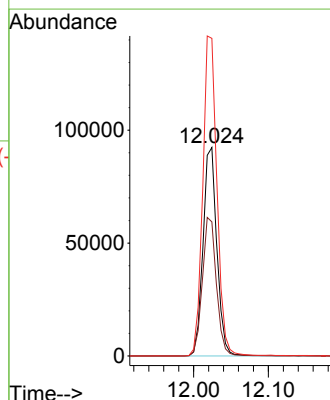
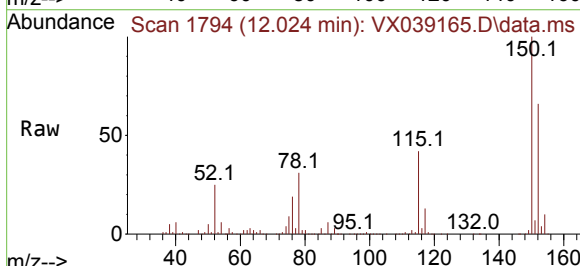
Tgt Ion:152 Resp: 118927

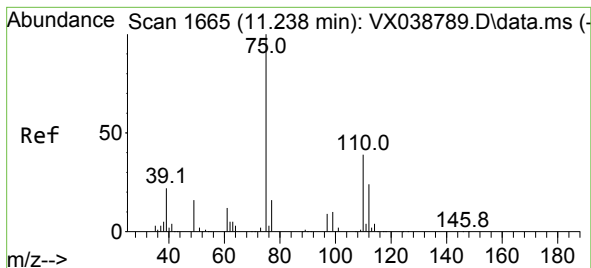
Ion Ratio Lower Upper

152 100

115 67.4 43.3 129.9

150 156.7 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 23.835 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039165.D

Acq: 12 Dec 2023 15:02

Instrument :

MSVOA_X

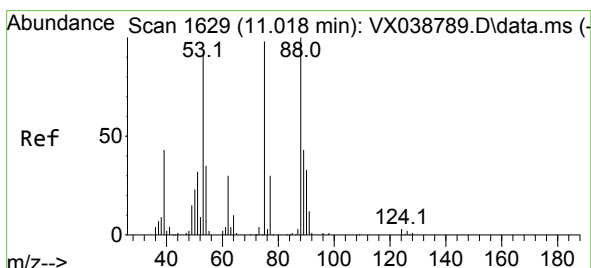
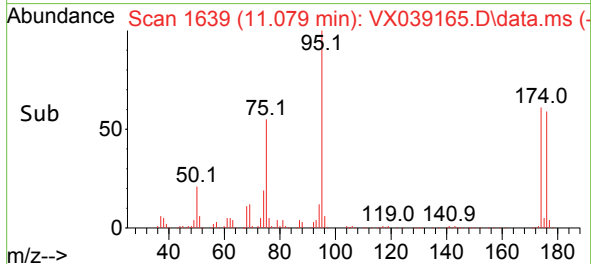
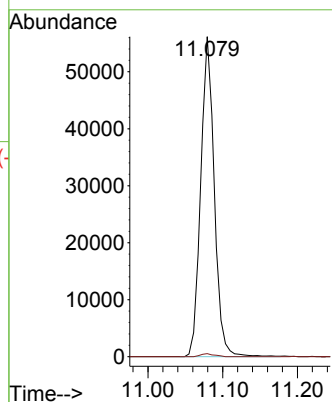
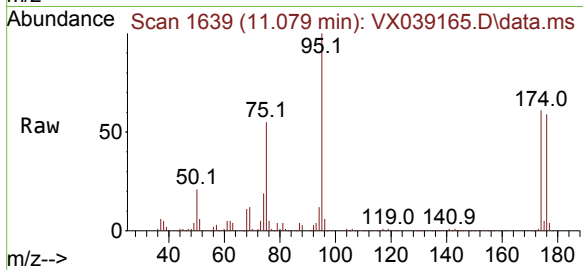
ClientSampleId :

Tgt Ion: 75 Resp: 70722

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 52.867 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039165.D

Acq: 12 Dec 2023 15:02

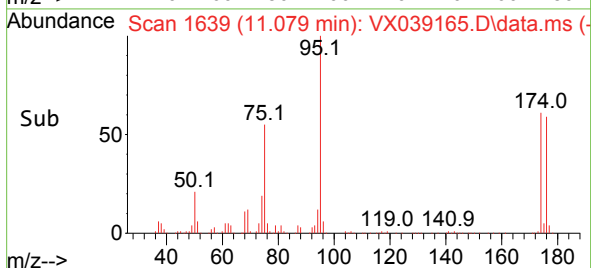
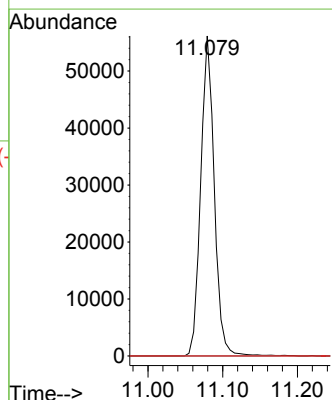
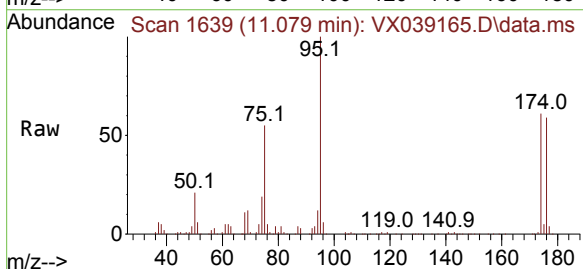
Tgt Ion: 75 Resp: 70722

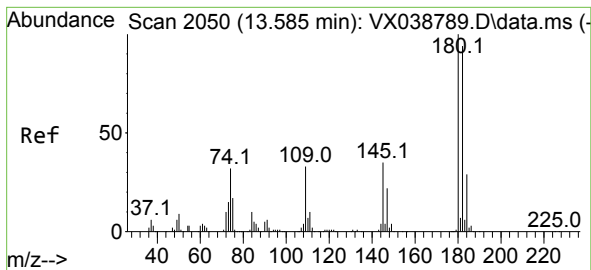
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

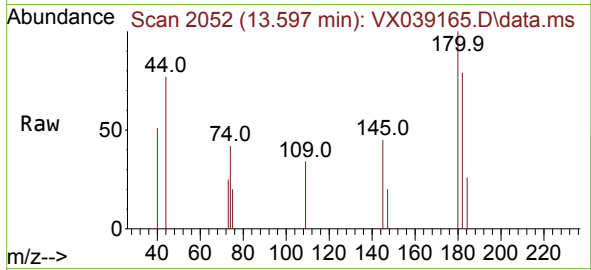
89 0.0 36.9 55.3#





#93
 1,2,4-Trichlorobenzene
 Concen: 0.209 ug/l
 RT: 13.597 min Scan# 2052
 Delta R.T. 0.012 min
 Lab File: VX039165.D
 Acq: 12 Dec 2023 15:02

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	542
Ion	Ratio	Lower	Upper
180	100		
182	83.2	48.3	144.8
145	38.7	18.0	54.0

