

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
 Data File : VX037691.D
 Acq On : 13 Sep 2023 13:40
 Operator : JC/MD
 Sample : 04394-11RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 14 02:19:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

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

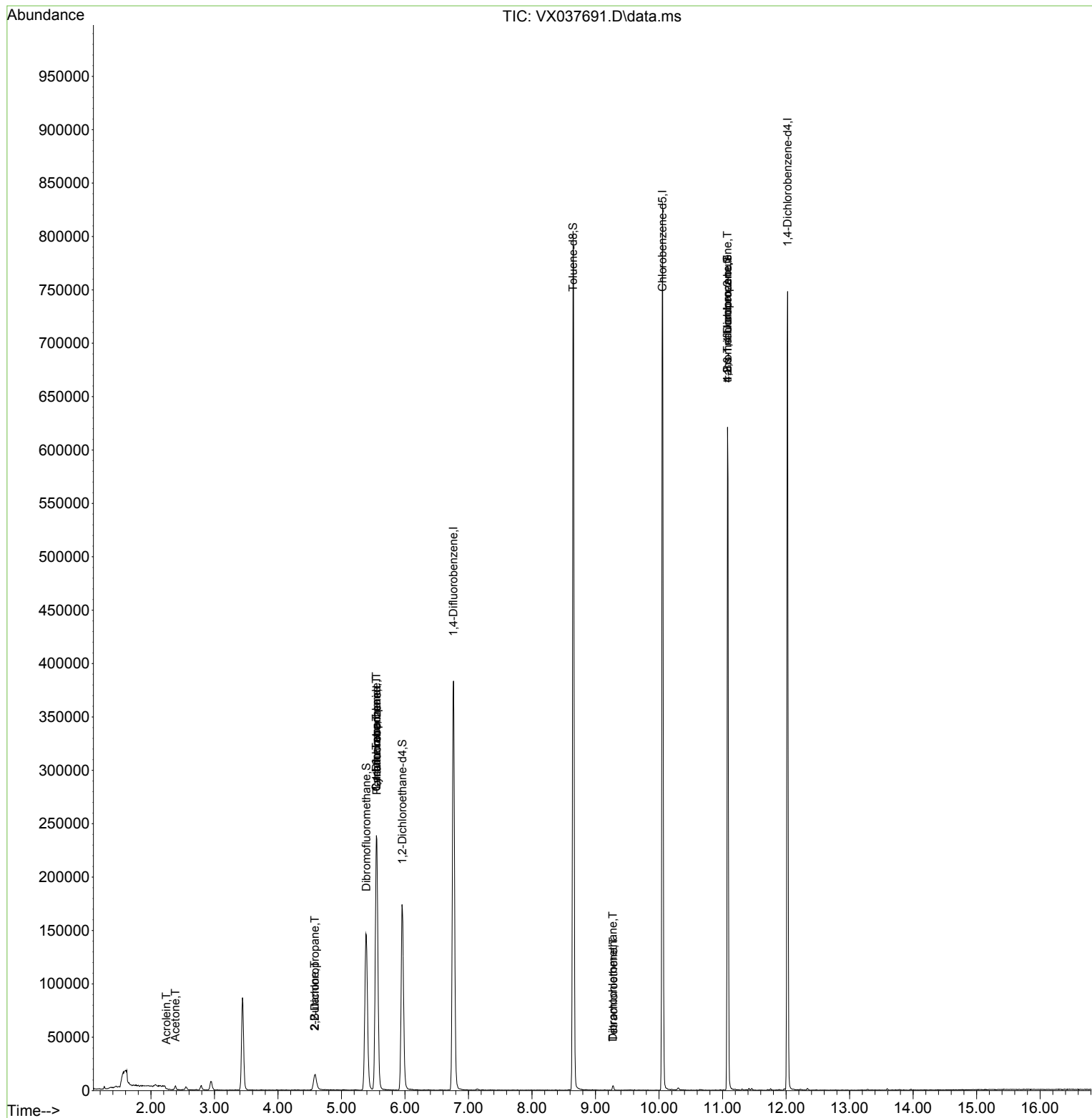
Internal Standards						
1) Pentafluorobenzene	5.556	168	225757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	399748	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	369632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	154290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	165759	45.381	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.760%		
35) Dibromofluoromethane	5.391	113	130903	46.199	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.400%		
50) Toluene-d8	8.647	98	484710	45.359	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.720%#		
62) 4-Bromofluorobenzene	11.079	95	164047	42.551	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.100%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	5283	Below Cal	#	80
13) Acrolein	2.239	56	137	0.230	ug/l #	14
16) Acetone	2.386	43	3622	2.453	ug/l #	87
20) Methylene Chloride	2.788	84	1984	Below Cal		92
25) 2-Butanone	4.574	43	958	0.398	ug/l #	51
26) 2,2-Dichloropropane	4.580	77	1408	0.392	ug/l #	54
31) Cyclohexane	5.550	56	5290	1.258	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	18984	4.925	ug/l #	51
38) Carbon Tetrachloride	5.550	117	23695	6.017	ug/l #	15
60) Dibromochloromethane	9.275	129	756	0.243	ug/l #	11
64) Tetrachloroethene	9.281	164	924	0.386	ug/l #	82
76) 1,2,3-Trichloropropane	11.079	75	86034	25.364	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	86034	77.099	ug/l #	5

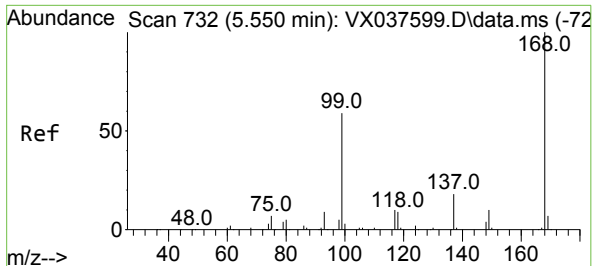
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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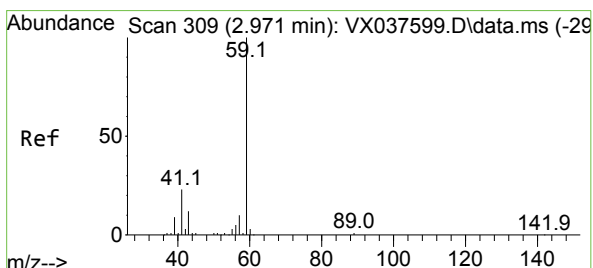
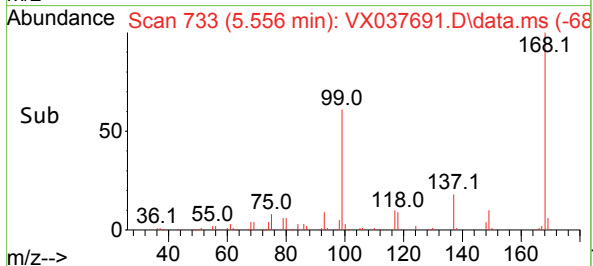
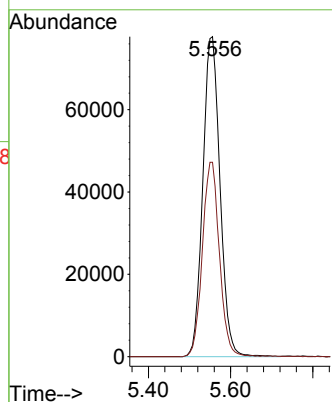
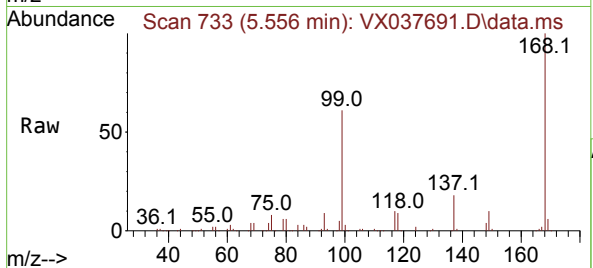




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037691.D
Acq: 13 Sep 2023 13:40

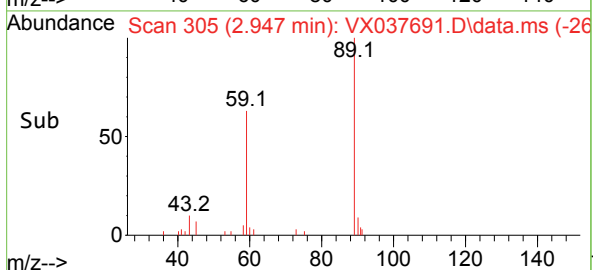
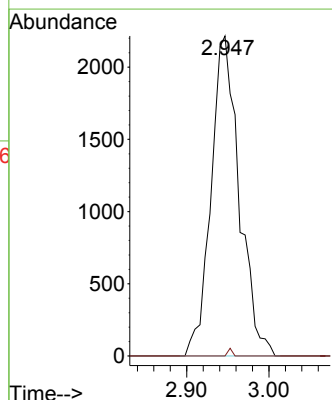
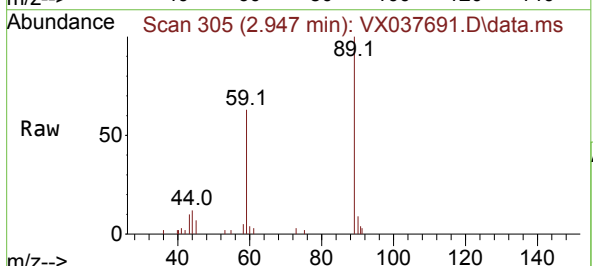
Instrument :
MSVOA_X
ClientSampleId :

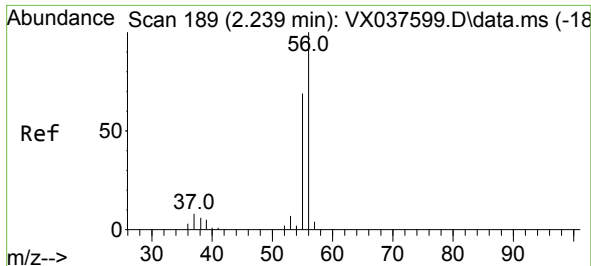
Tgt Ion:168 Resp: 225757
Ion Ratio Lower Upper
168 100
99 60.8 56.6 85.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.024 min
Lab File: VX037691.D
Acq: 13 Sep 2023 13:40

Tgt Ion: 59 Resp: 5283
Ion Ratio Lower Upper
59 100
57 0.4 6.0 9.0#





#13

Acrolein

Concen: 0.230 ug/l

RT: 2.239 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037691.D

Acq: 13 Sep 2023 13:40

Instrument :

MSVOA_X

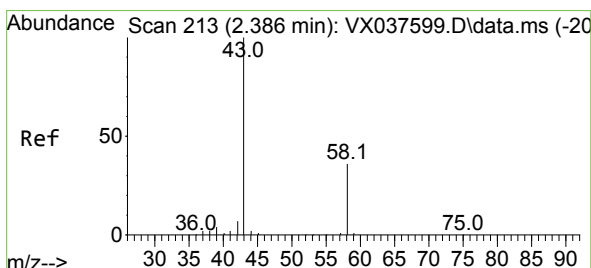
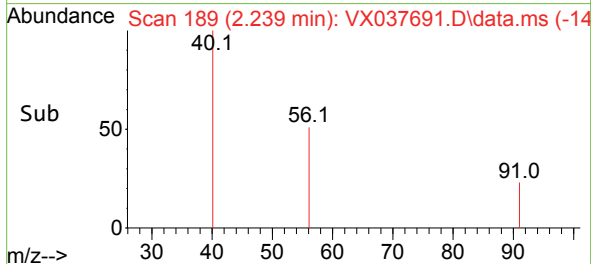
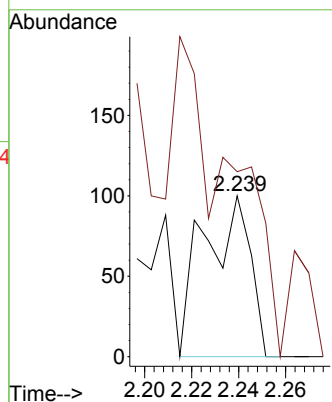
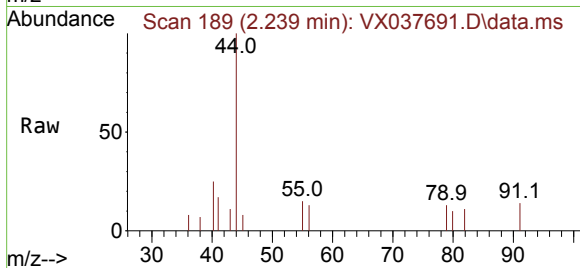
ClientSampleId :

Tgt Ion: 56 Resp: 137

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#



#16

Acetone

Concen: 2.453 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX037691.D

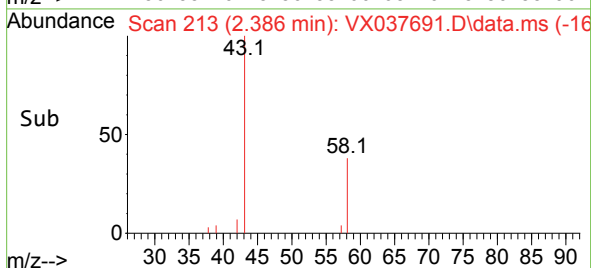
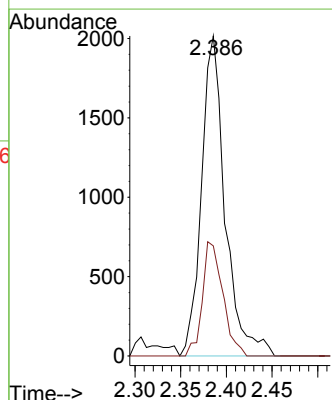
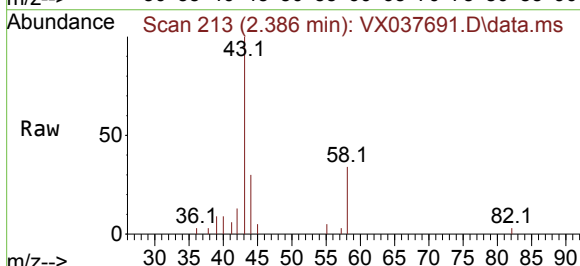
Acq: 13 Sep 2023 13:40

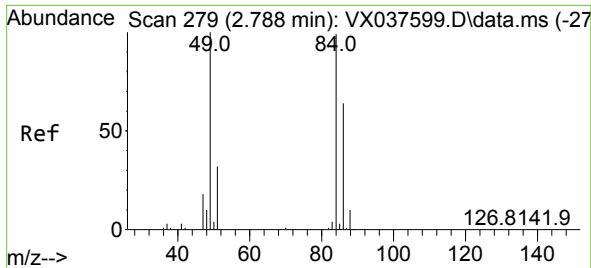
Tgt Ion: 43 Resp: 3622

Ion Ratio Lower Upper

43 100

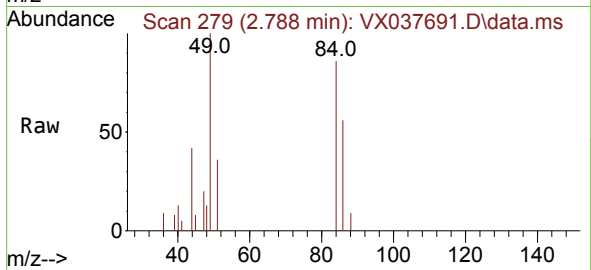
58 34.4 21.9 32.9#



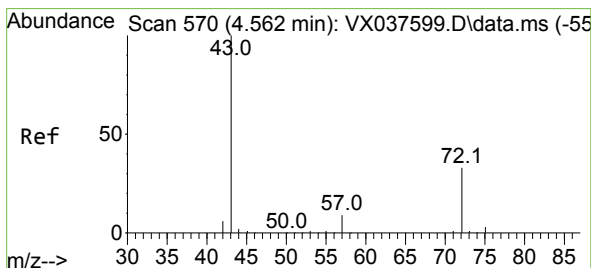
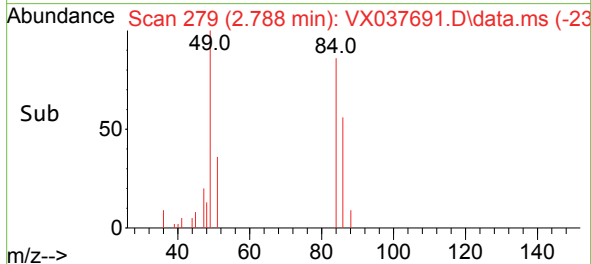
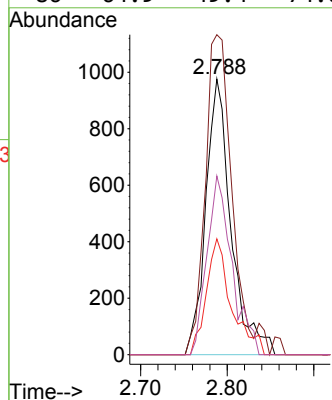


#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX037691.D
Acq: 13 Sep 2023 13:40

Instrument :
MSVOA_X
ClientSampleId :

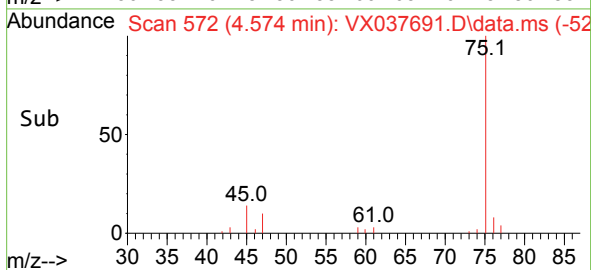
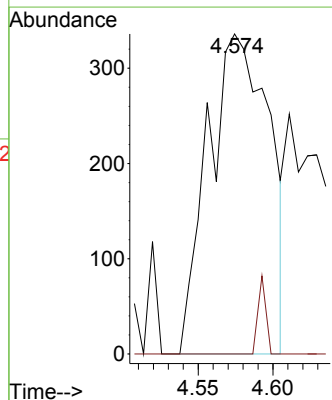
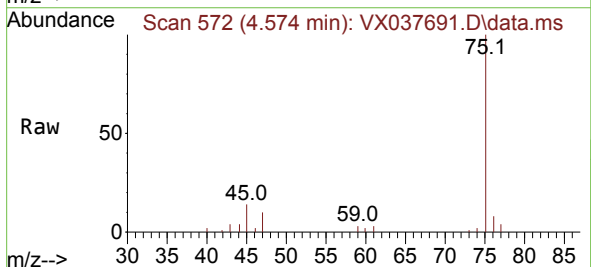


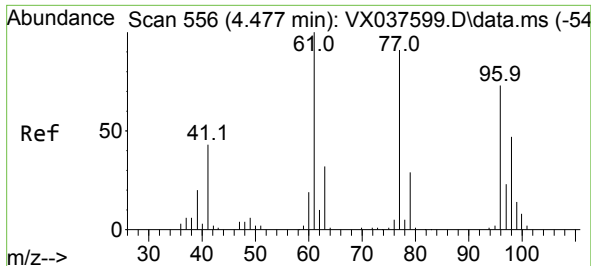
Tgt Ion:	84	Resp:	1984
Ion	Ratio	Lower	Upper
84	100		
49	116.1	103.6	155.4
51	42.0	33.8	50.6
86	64.9	49.4	74.0



#25
2-Butanone
Concen: 0.398 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX037691.D
Acq: 13 Sep 2023 13:40

Tgt Ion:	43	Resp:	958
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.4	29.2#





#26

2,2-Dichloropropane

Concen: 0.392 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.104 min

Lab File: VX037691.D

Acq: 13 Sep 2023 13:40

Instrument :

MSVOA_X

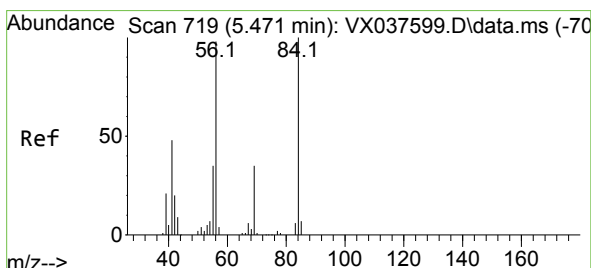
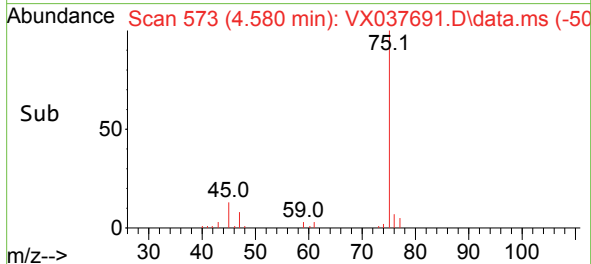
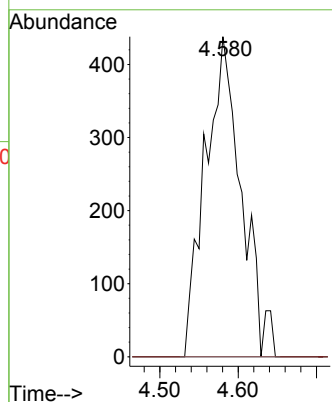
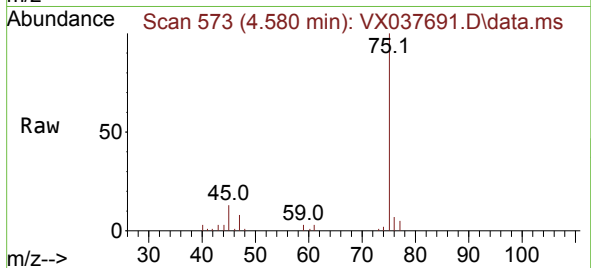
ClientSampleId :

Tgt Ion: 77 Resp: 1408

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.3#



#31

Cyclohexane

Concen: 1.258 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX037691.D

Acq: 13 Sep 2023 13:40

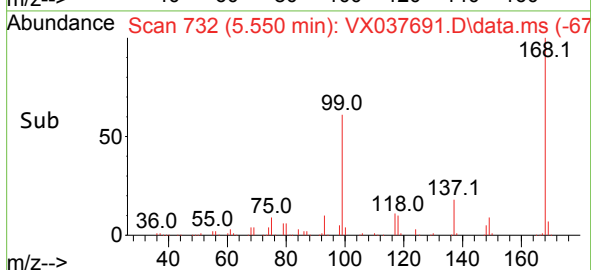
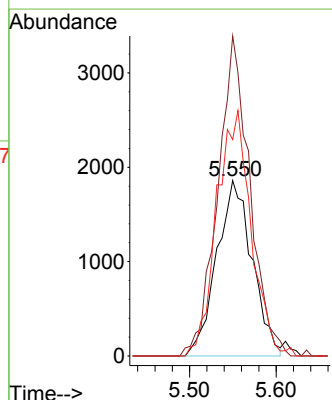
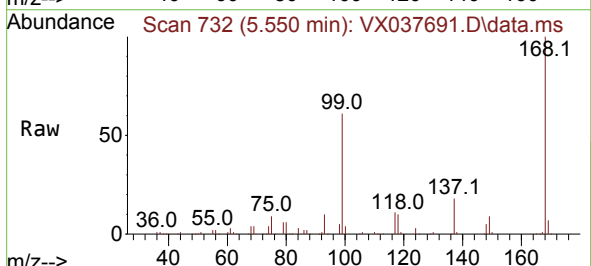
Tgt Ion: 56 Resp: 5290

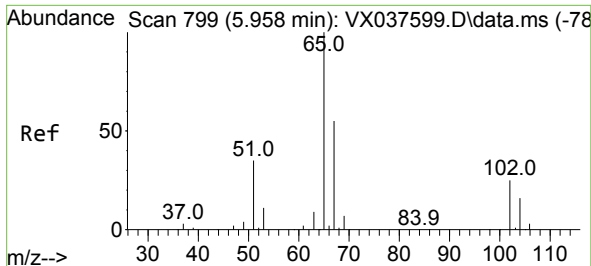
Ion Ratio Lower Upper

56 100

69 182.6 23.4 35.2#

84 123.5 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 45.381 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037691.D

Acq: 13 Sep 2023 13:40

Instrument :

MSVOA_X

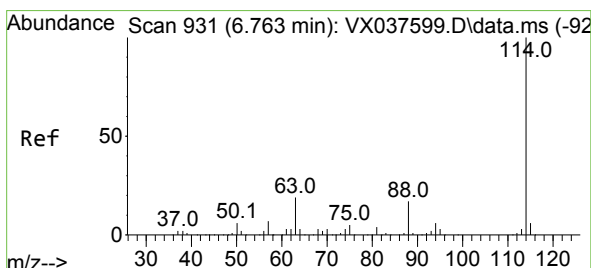
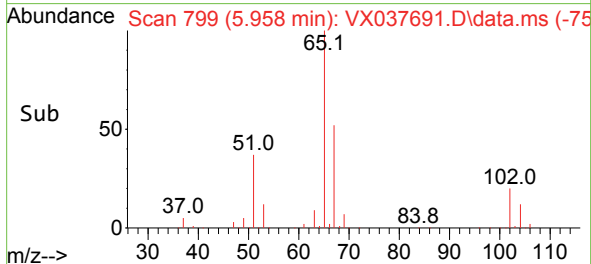
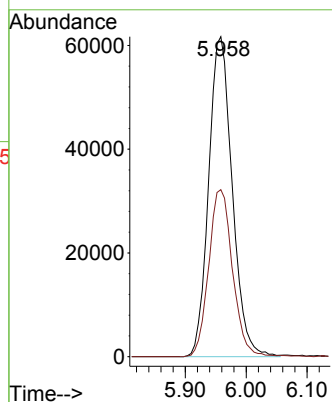
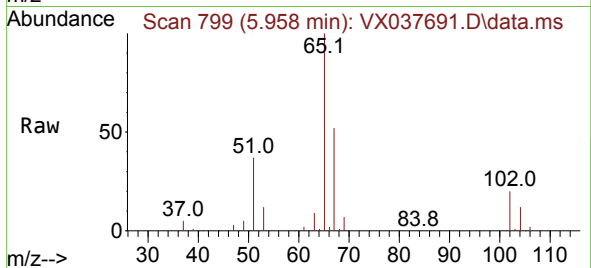
ClientSampleId :

Tgt Ion: 65 Resp: 165759

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: VX037691.D

Acq: 13 Sep 2023 13:40

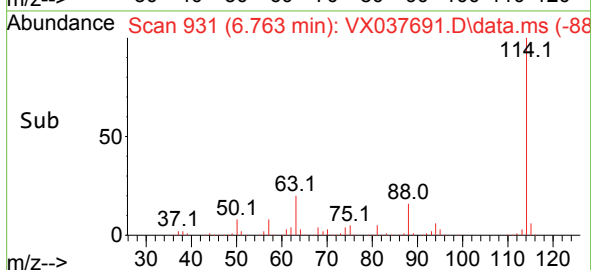
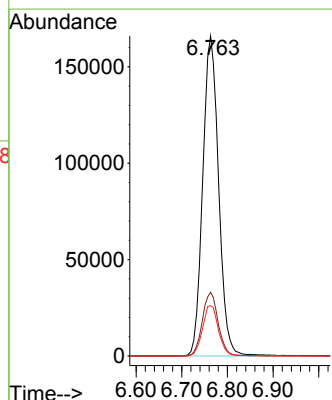
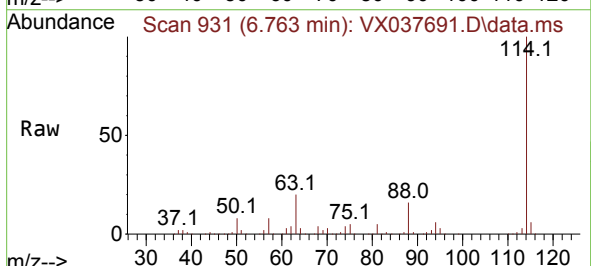
Tgt Ion:114 Resp: 399748

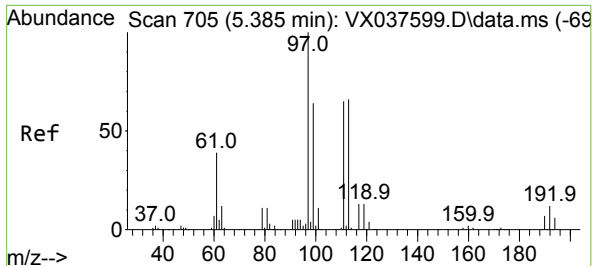
Ion Ratio Lower Upper

114 100

63 19.9 0.0 45.0

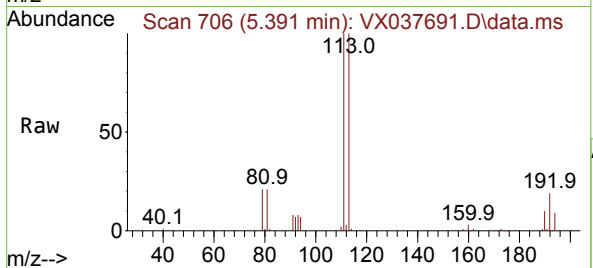
88 15.7 0.0 36.6



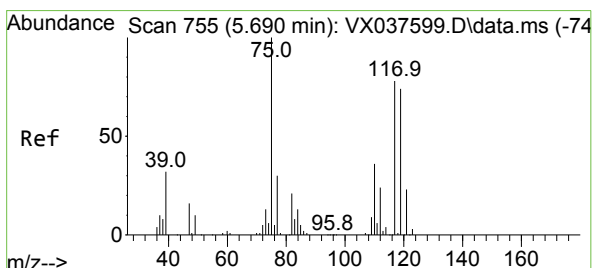
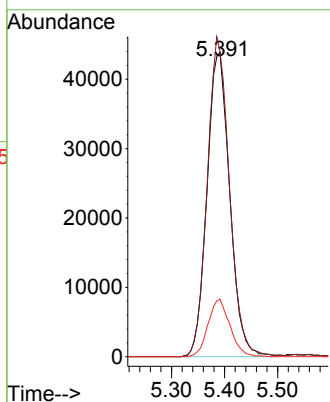
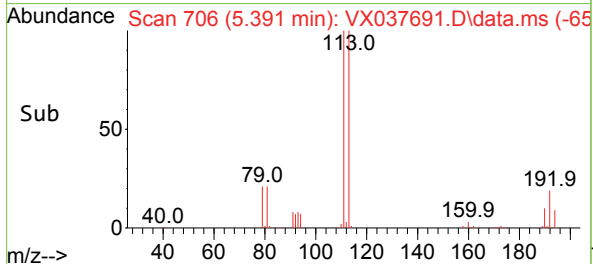


#35
Dibromofluoromethane
Concen: 46.199 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX037691.D
Acq: 13 Sep 2023 13:40

Instrument :
MSVOA_X
ClientSampleId :

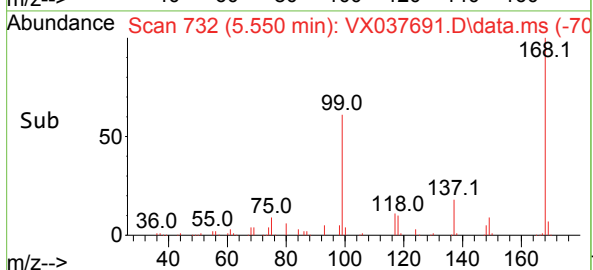
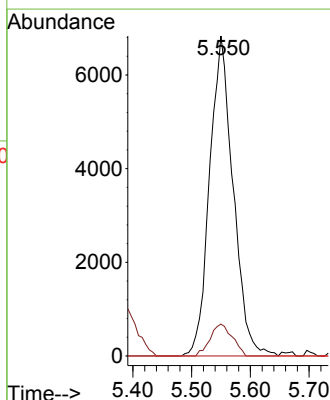
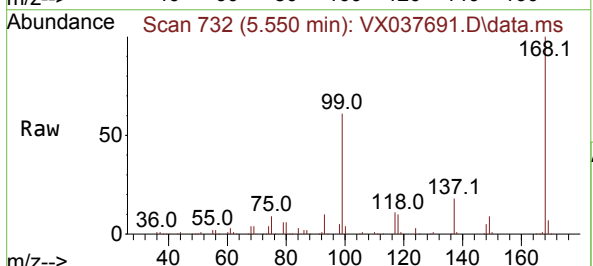


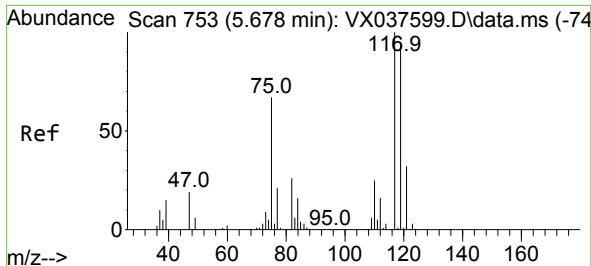
Tgt Ion:113 Resp: 130903
Ion Ratio Lower Upper
113 100
111 102.5 82.9 124.3
192 18.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.925 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX037691.D
Acq: 13 Sep 2023 13:40

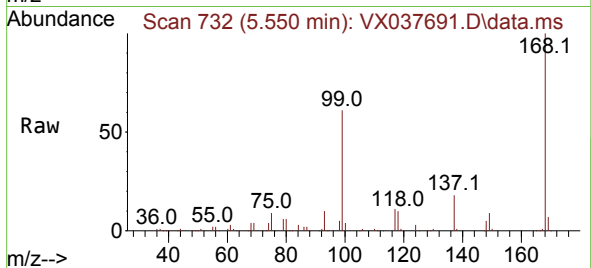
Tgt Ion: 75 Resp: 18984
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.0 24.7 37.1#



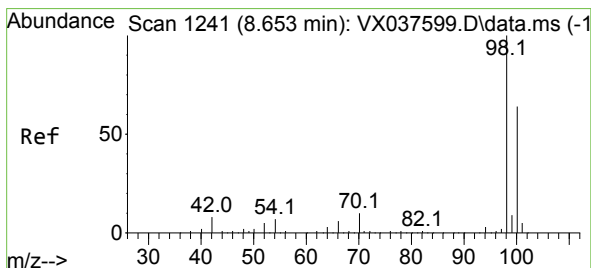
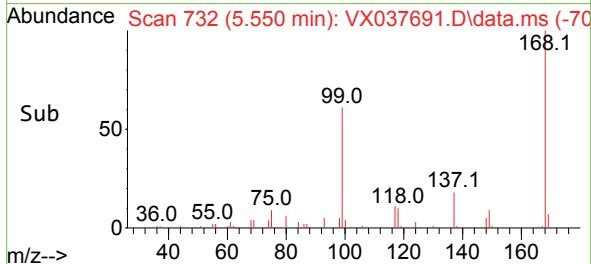
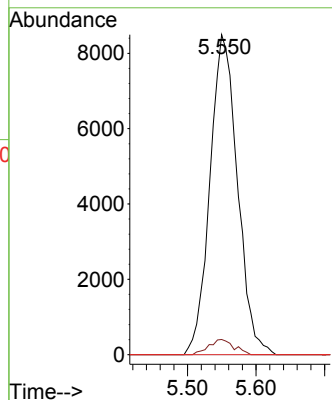


#38
Carbon Tetrachloride
Concen: 6.017 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX037691.D
Acq: 13 Sep 2023 13:40

Instrument :
MSVOA_X
ClientSampleId :

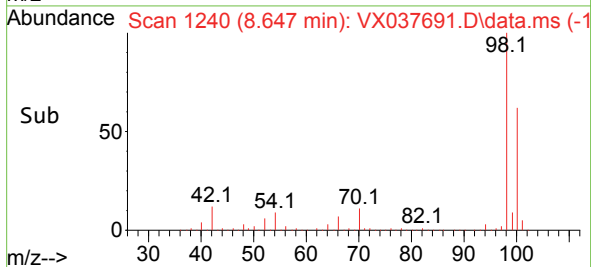
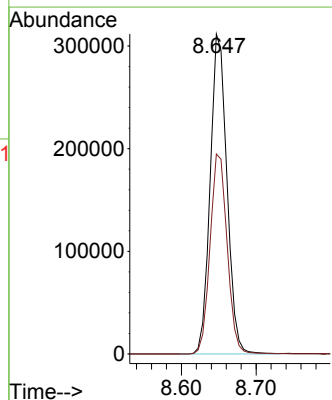
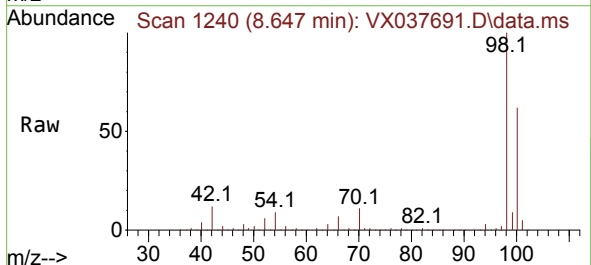


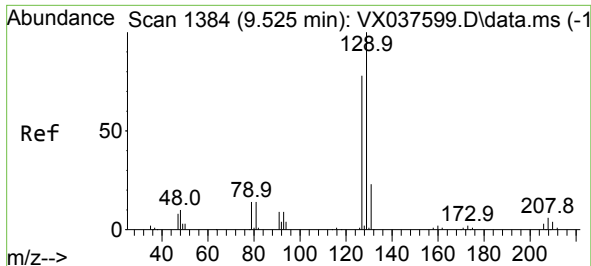
Tgt Ion:117 Resp: 23695
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 45.359 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX037691.D
Acq: 13 Sep 2023 13:40

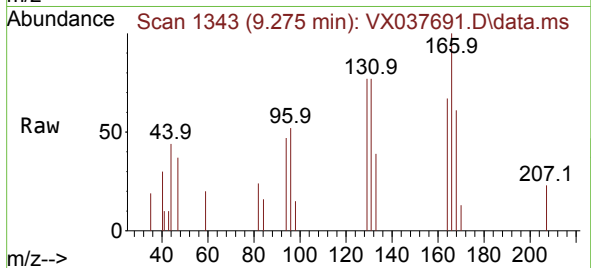
Tgt Ion: 98 Resp: 484710
Ion Ratio Lower Upper
98 100
100 63.9 53.1 79.7



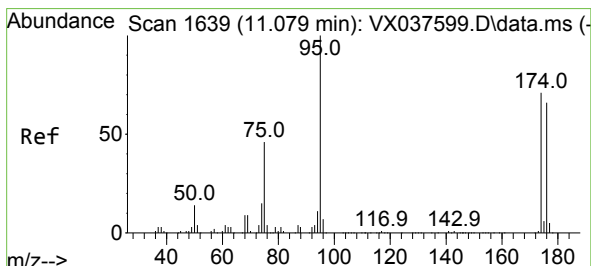
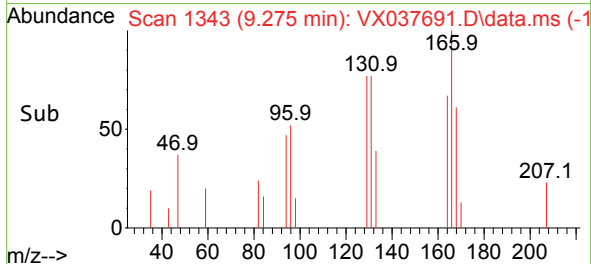
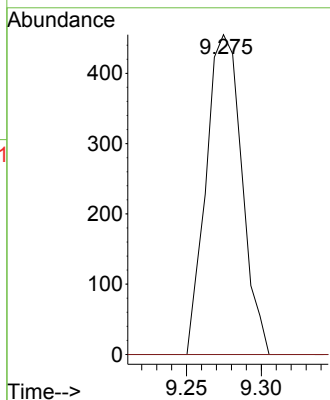


#60
Dibromochloromethane
Concen: 0.243 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX037691.D
Acq: 13 Sep 2023 13:40

Instrument :
MSVOA_X
ClientSampleId :

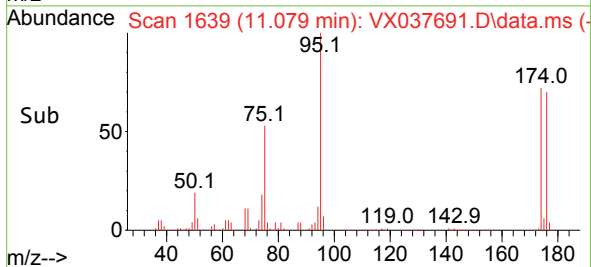
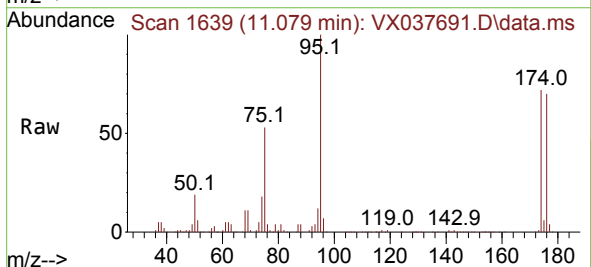
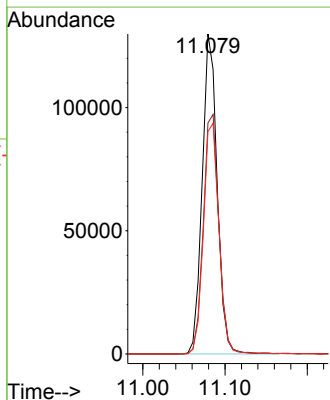


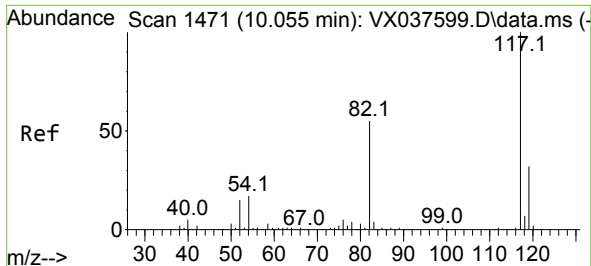
Tgt Ion:129 Resp: 756
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 42.551 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037691.D
Acq: 13 Sep 2023 13:40

Tgt Ion: 95 Resp: 164047
Ion Ratio Lower Upper
95 100
174 78.0 0.0 135.6
176 75.0 0.0 131.0

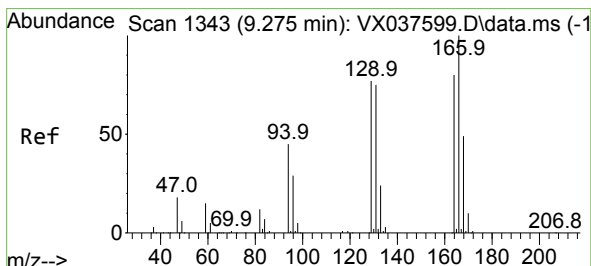
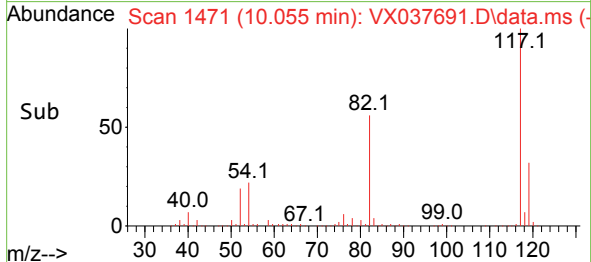
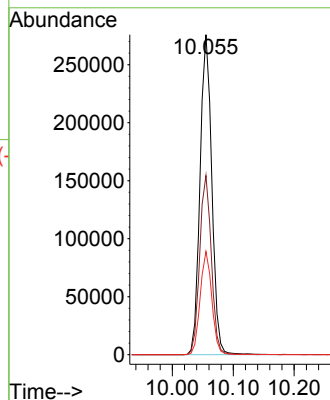
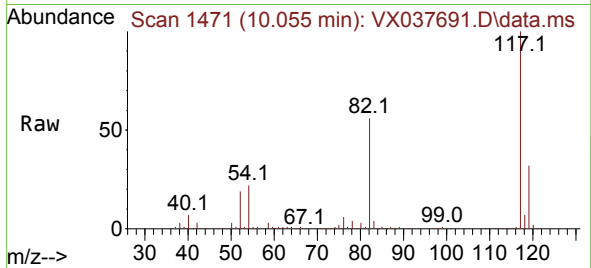




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037691.D
Acq: 13 Sep 2023 13:40

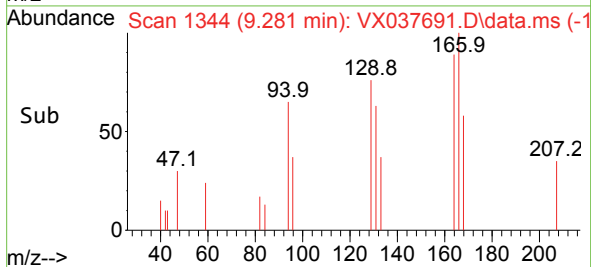
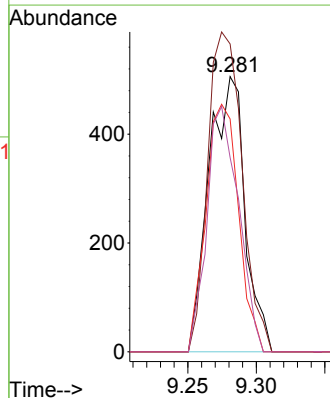
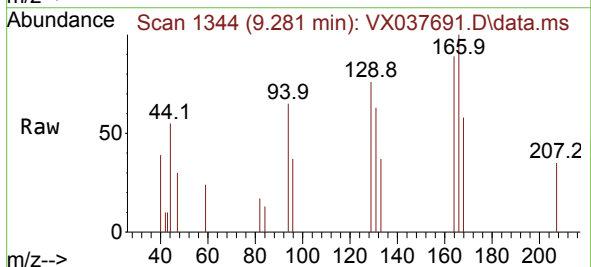
Instrument :
MSVOA_X
ClientSampleId :

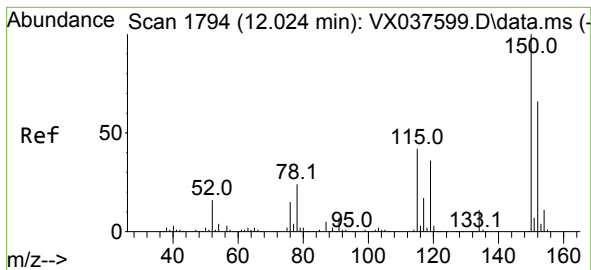
Tgt Ion:117 Resp: 369632
Ion Ratio Lower Upper
117 100
82 56.0 46.2 69.4
119 32.2 25.5 38.3



#64
Tetrachloroethene
Concen: 0.386 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX037691.D
Acq: 13 Sep 2023 13:40

Tgt Ion:164 Resp: 924
Ion Ratio Lower Upper
164 100
166 111.9 102.7 154.1
129 84.6 80.4 120.6
131 70.6 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: VX037691.D

Acq: 13 Sep 2023 13:40

Instrument :

MSVOA_X

ClientSampleId :

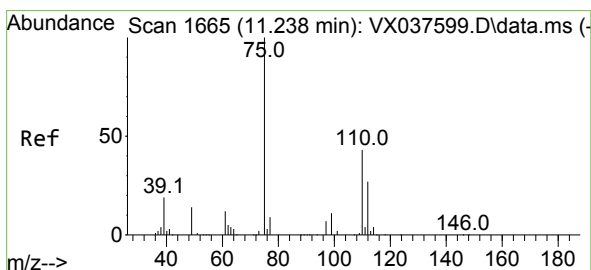
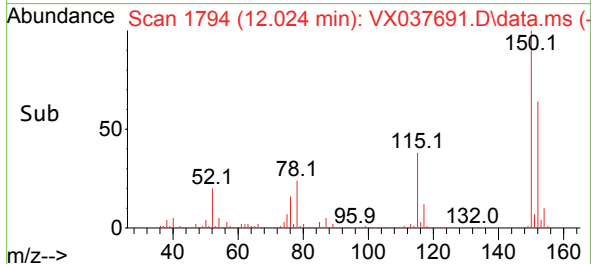
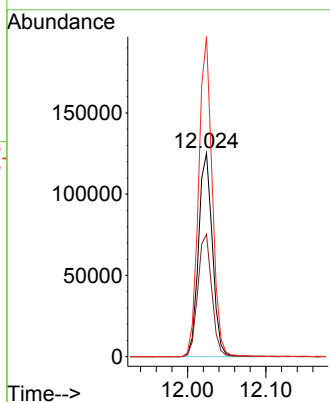
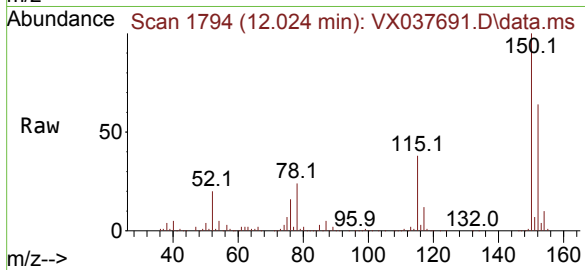
Tgt Ion:152 Resp: 154290

Ion Ratio Lower Upper

152 100

115 61.0 43.3 129.9

150 153.8 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 25.364 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037691.D

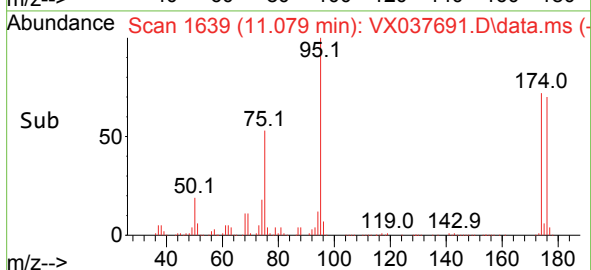
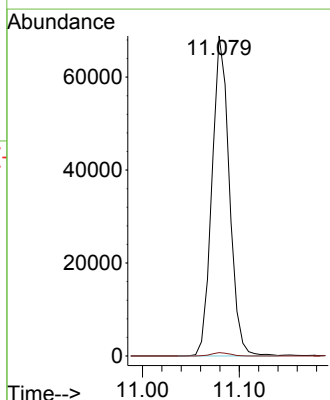
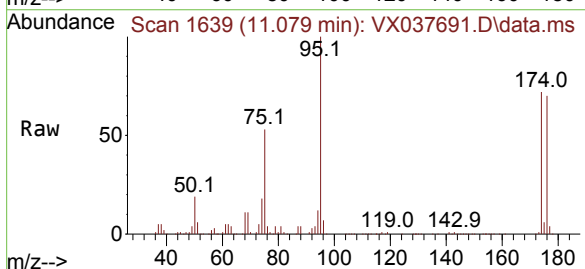
Acq: 13 Sep 2023 13:40

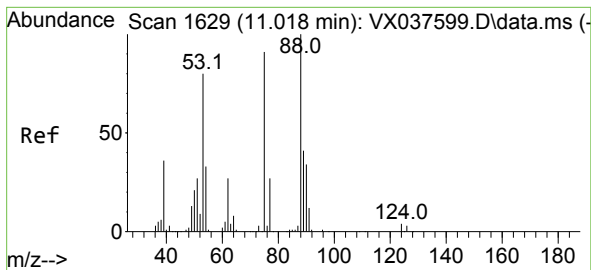
Tgt Ion: 75 Resp: 86034

Ion Ratio Lower Upper

75 100

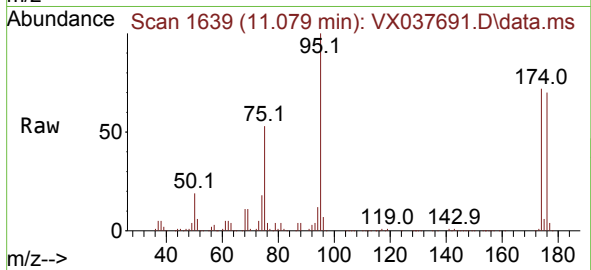
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.099 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX037691.D
 Acq: 13 Sep 2023 13:40

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 86034
 Ion Ratio Lower Upper
 75 100
 53 0.1 90.5 135.7#
 89 0.0 36.9 55.3#

