

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090923\
 Data File : VX037618.D
 Acq On : 09 Sep 2023 11:18
 Operator : JC/MD
 Sample : VX0909WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 11 01:18:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090823W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 09 06:38:11 2023
 Response via : Initial Calibration

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

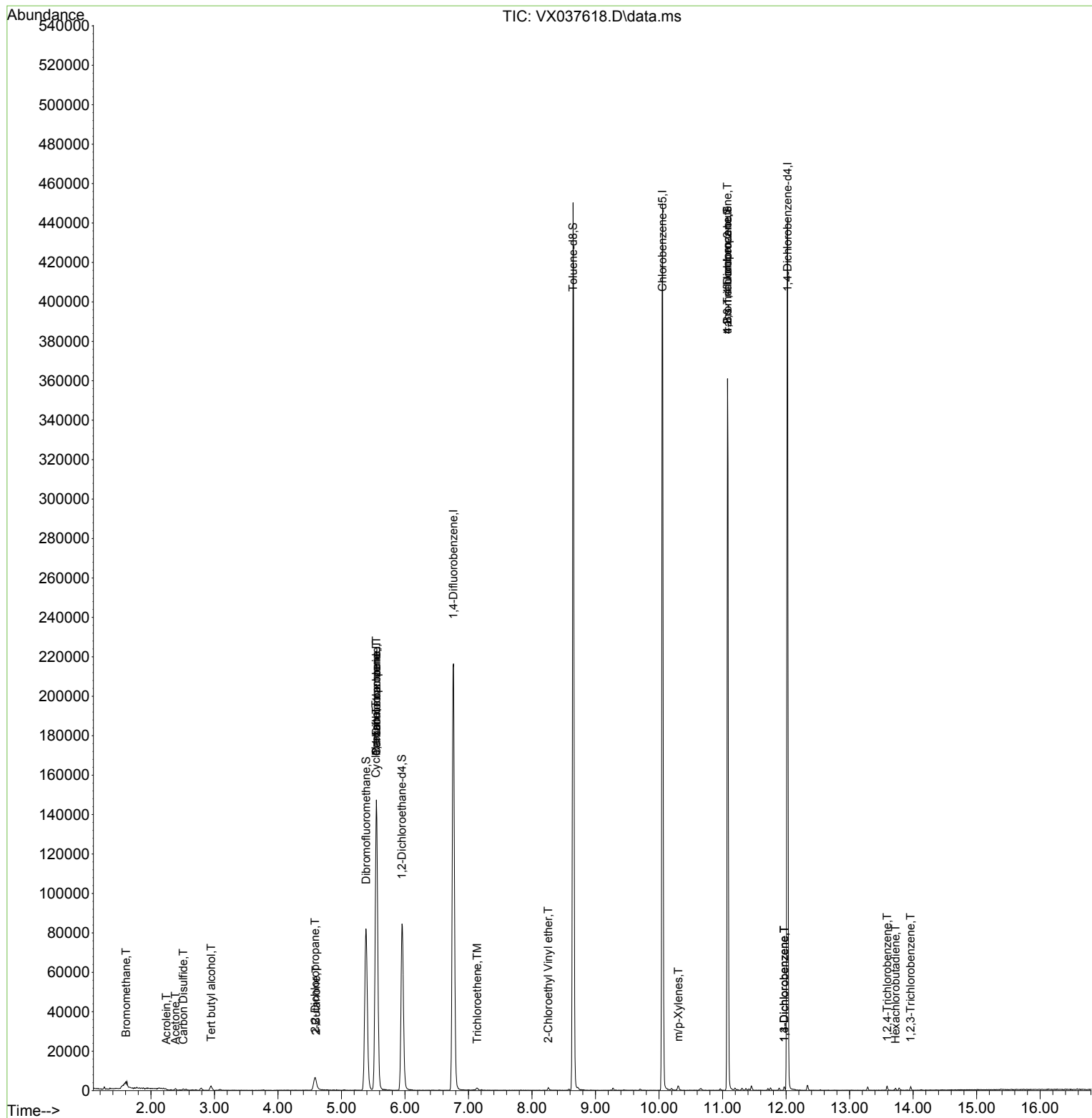
Internal Standards						
1) Pentafluorobenzene	5.550	168	142330	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	238352	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217880	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	82625	43.005	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.020%		
35) Dibromofluoromethane	5.385	113	75156	45.081	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.160%		
50) Toluene-d8	8.647	98	274117	44.830	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	89.660%#		
62) 4-Bromofluorobenzene	11.079	95	102435	44.450	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.900%		
Target Compounds					Qvalue	
5) Bromomethane	1.605	94	163	0.221	ug/l	81
11) Tert butyl alcohol	2.947	59	1559	3.626	ug/l #	78
13) Acrolein	2.239	56	176	0.416	ug/l #	65
16) Acetone	2.386	43	796	1.007	ug/l	99
17) Carbon Disulfide	2.508	76	827	0.216	ug/l #	76
20) Methylene Chloride	2.788	84	709	Below Cal	#	59
25) 2-Butanone	4.599	43	590	0.492	ug/l #	51
26) 2,2-Dichloropropane	4.587	77	498	0.228	ug/l #	54
31) Cyclohexane	5.544	56	2444	1.045	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10438	4.739	ug/l #	50
38) Carbon Tetrachloride	5.550	117	14331	6.296	ug/l #	15
44) Trichloroethene	7.135	130	455	0.244	ug/l	63
58) 2-Chloroethyl Vinyl ether	8.257	63	704	0.522	ug/l	94
68) m/p-Xylenes	10.305	106	680	0.212	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	48673	20.836	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	48673	62.427	ug/l #	5
87) 1,3-Dichlorobenzene	11.969	146	792	0.224	ug/l	94
88) 1,4-Dichlorobenzene	11.969	146	792	0.221	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	770	0.362	ug/l	96
94) Hexachlorobutadiene	13.725	225	297	0.316	ug/l	80
96) 1,2,3-Trichlorobenzene	13.963	180	568	0.259	ug/l	96

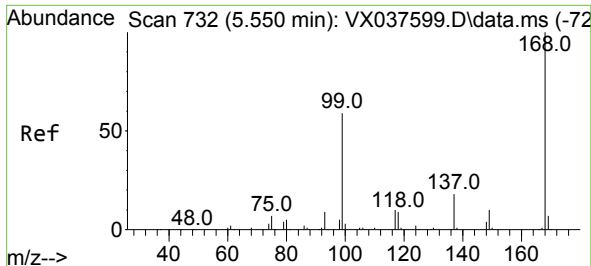
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 4 Sample Multiplier: 1

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MSVOA_X
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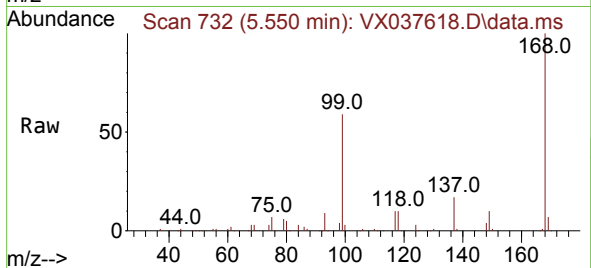
Quant Time: Sep 11 01:18:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090823W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 09 06:38:11 2023
Response via : Initial Calibration



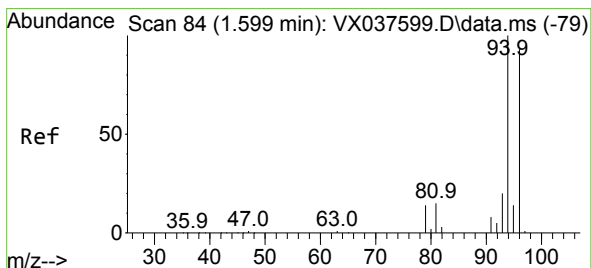
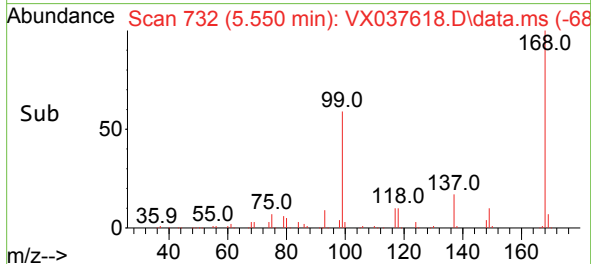
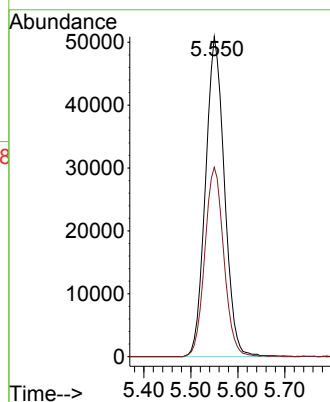


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037618.D
Acq: 09 Sep 2023 11:18

Instrument :
MSVOA_X
ClientSampleId :

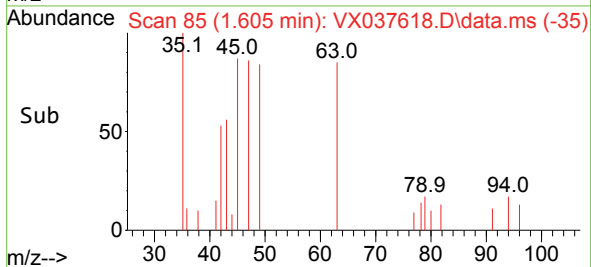
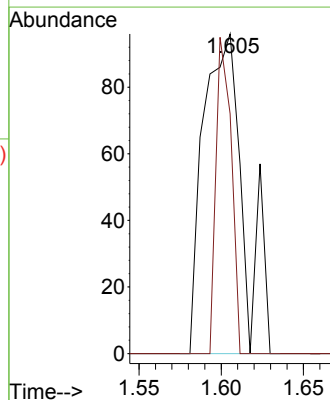
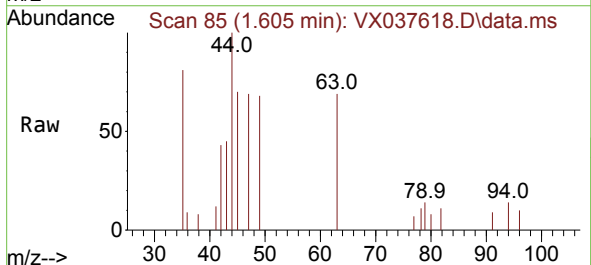


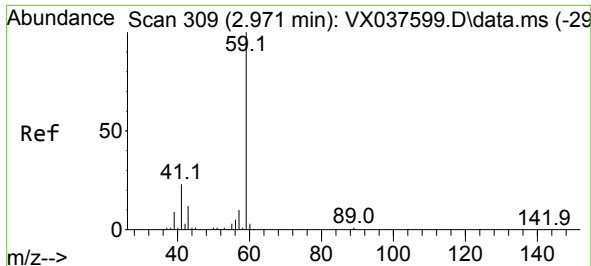
Tgt Ion:168 Resp: 142330
Ion Ratio Lower Upper
168 100
99 59.2 56.6 85.0



#5
Bromomethane
Concen: 0.221 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX037618.D
Acq: 09 Sep 2023 11:18

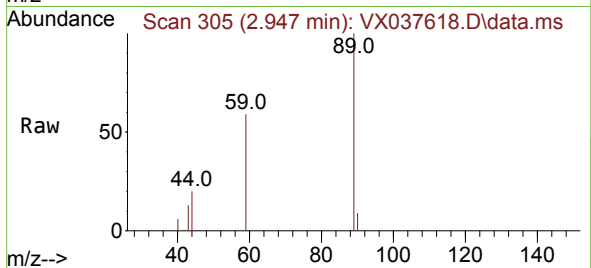
Tgt Ion: 94 Resp: 163
Ion Ratio Lower Upper
94 100
96 75.0 74.6 111.8



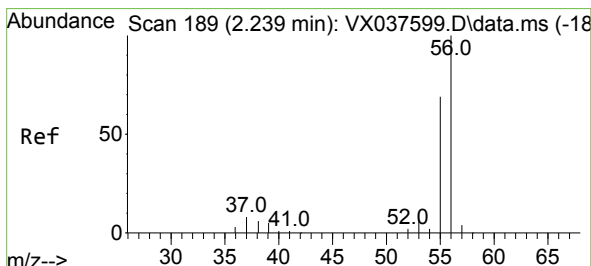
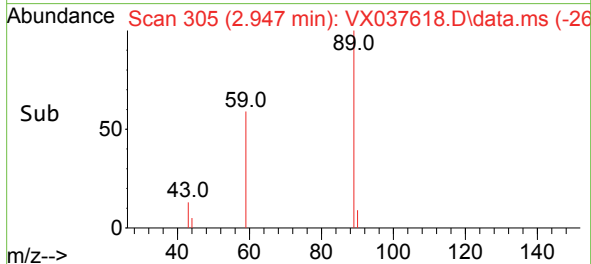
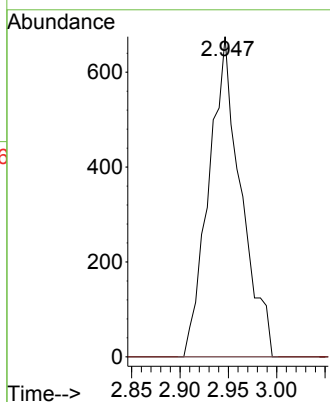


#11
Tert butyl alcohol
Concen: 3.626 ug/l
RT: 2.947 min Scan# 309
Delta R.T. -0.024 min
Lab File: VX037618.D
Acq: 09 Sep 2023 11:18

Instrument :
MSVOA_X
ClientSampleId :

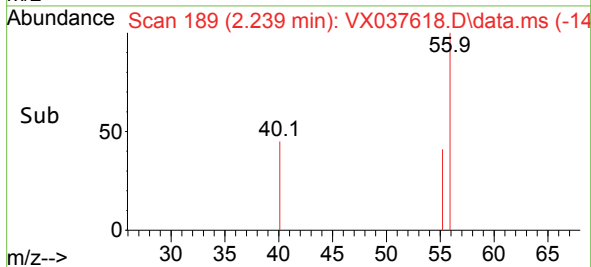
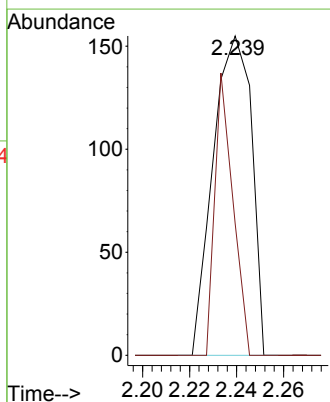
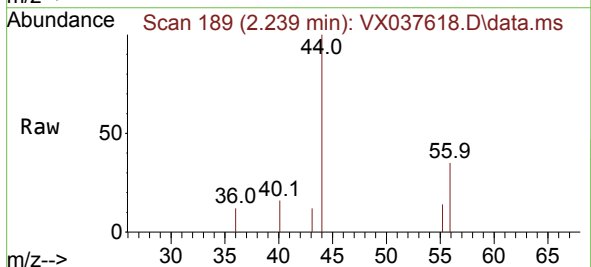


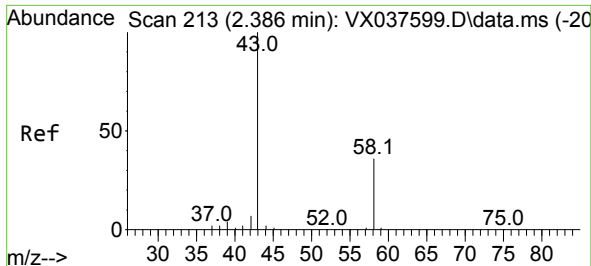
Tgt Ion: 59 Resp: 1559
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#13
Acrolein
Concen: 0.416 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX037618.D
Acq: 09 Sep 2023 11:18

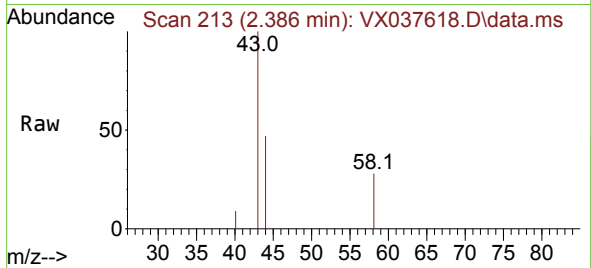
Tgt Ion: 56 Resp: 176
Ion Ratio Lower Upper
56 100
55 42.0 57.1 85.7#



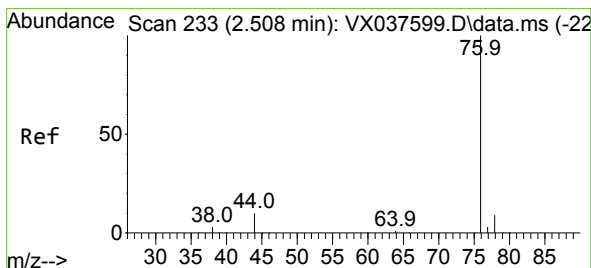
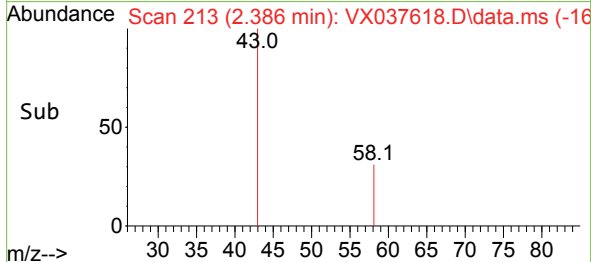
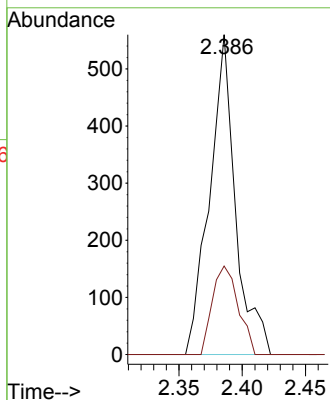


#16
Acetone
Concen: 1.007 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX037618.D
Acq: 09 Sep 2023 11:18

Instrument :
MSVOA_X
ClientSampleId :

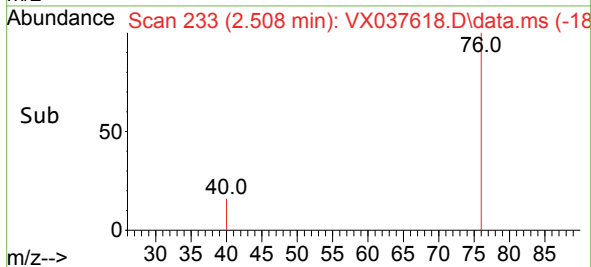
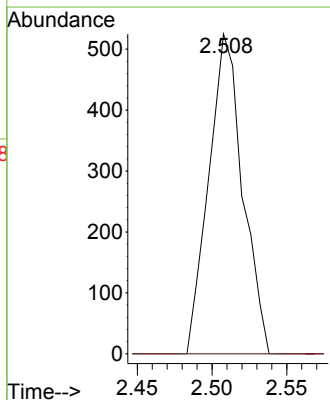
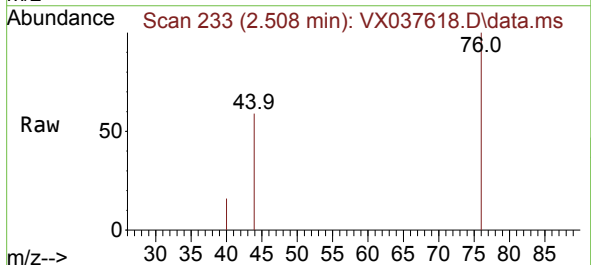


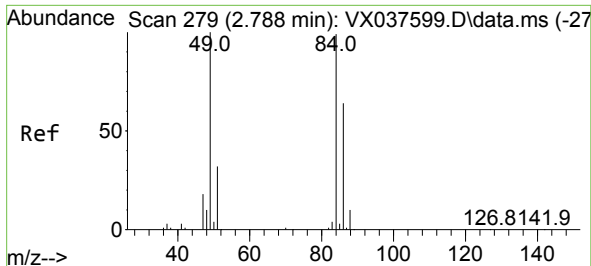
Tgt Ion: 43 Resp: 796
Ion Ratio Lower Upper
43 100
58 27.7 21.9 32.9



#17
Carbon Disulfide
Concen: 0.216 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.000 min
Lab File: VX037618.D
Acq: 09 Sep 2023 11:18

Tgt Ion: 76 Resp: 827
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

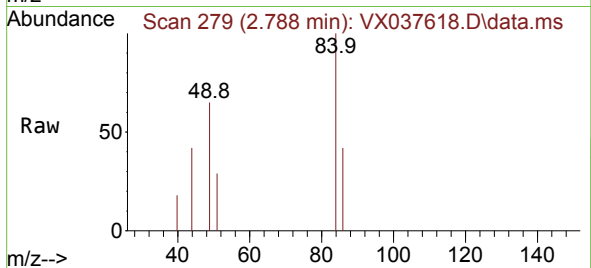
Lab File: VX037618.D

Acq: 09 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 709

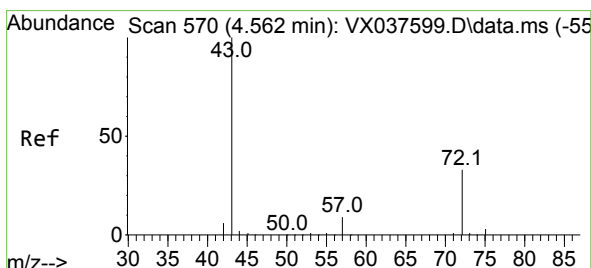
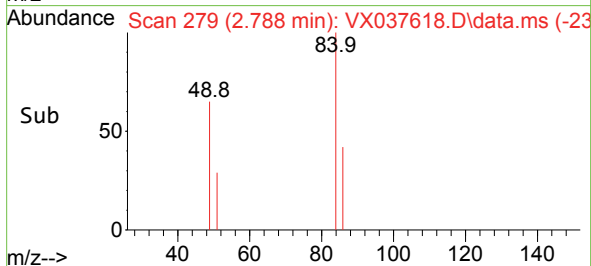
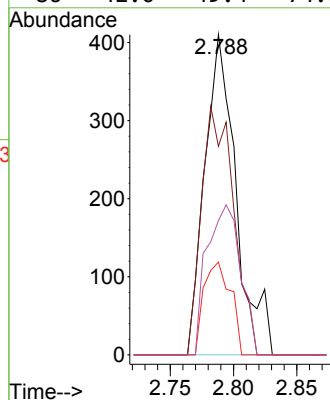
Ion Ratio Lower Upper

84 100

49 65.1 103.6 155.4#

51 29.0 33.8 50.6#

86 42.0 49.4 74.0#



#25

2-Butanone

Concen: 0.492 ug/l

RT: 4.599 min Scan# 576

Delta R.T. 0.036 min

Lab File: VX037618.D

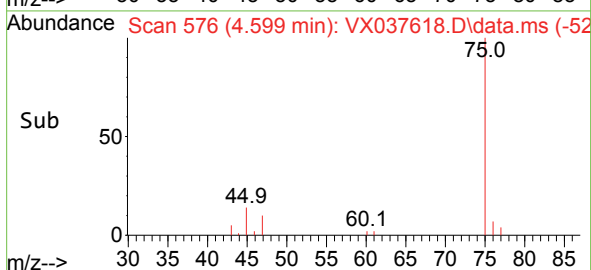
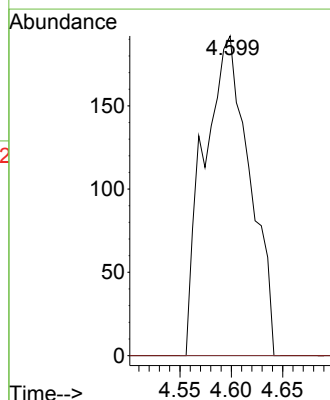
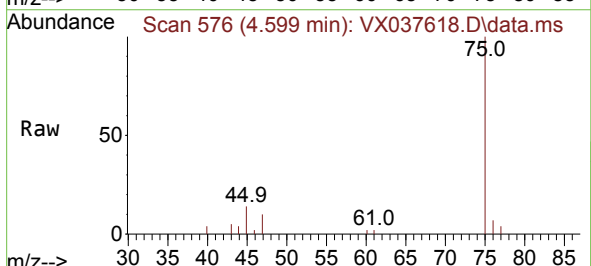
Acq: 09 Sep 2023 11:18

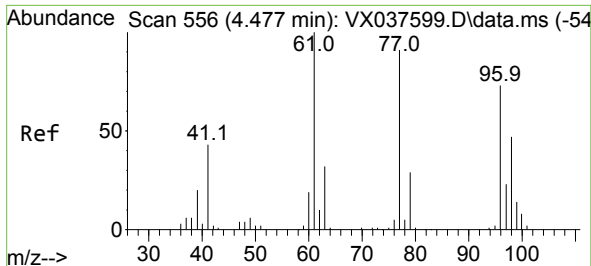
Tgt Ion: 43 Resp: 590

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#





#26

2,2-Dichloropropane

Concen: 0.228 ug/l

RT: 4.587 min Scan# 51

Delta R.T. 0.110 min

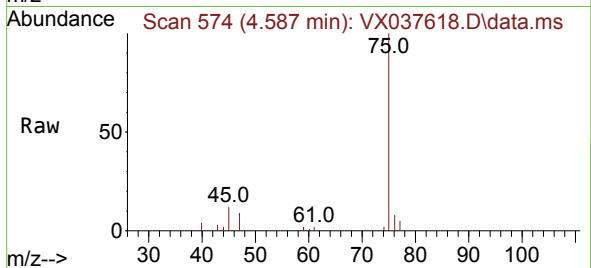
Lab File: VX037618.D

Acq: 09 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

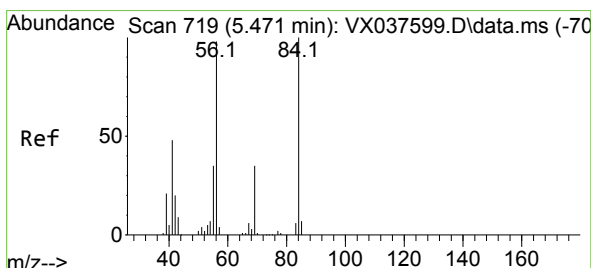
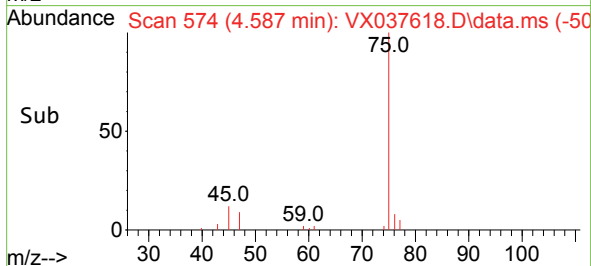
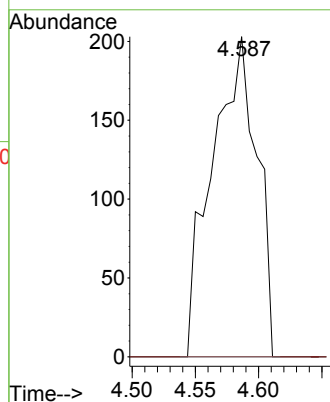


Tgt Ion: 77 Resp: 498

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.3#



#31

Cyclohexane

Concen: 1.045 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX037618.D

Acq: 09 Sep 2023 11:18

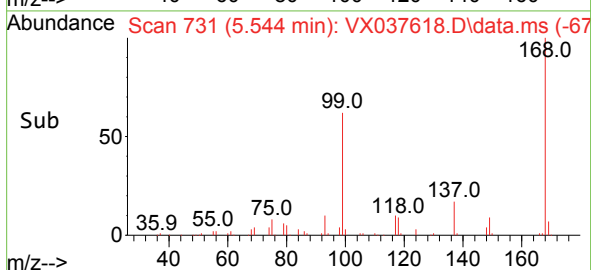
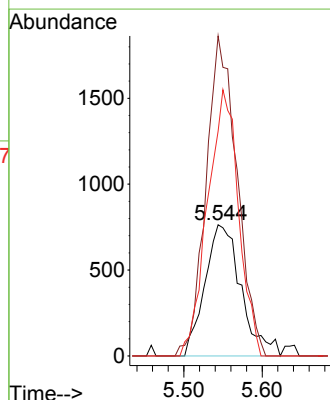
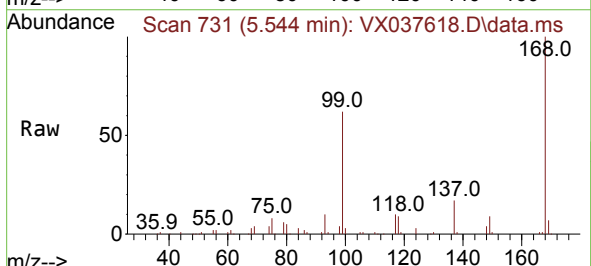
Tgt Ion: 56 Resp: 2444

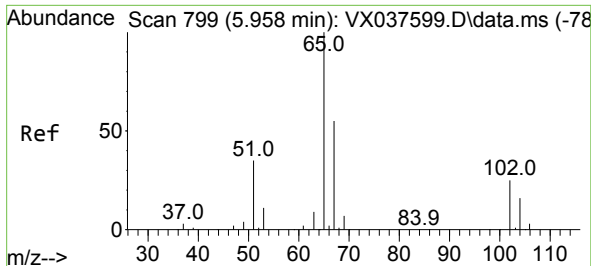
Ion Ratio Lower Upper

56 100

69 243.8 23.4 35.2#

84 171.3 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 43.005 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX037618.D

Acq: 09 Sep 2023 11:18

Instrument :

MSVOA_X

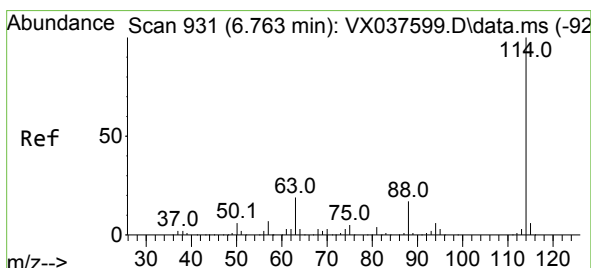
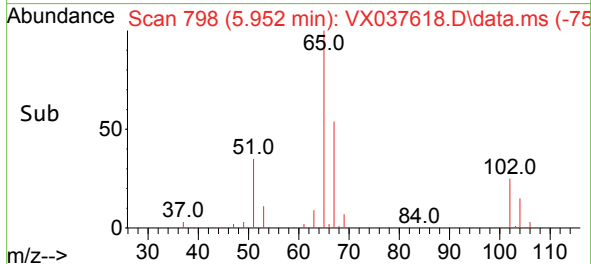
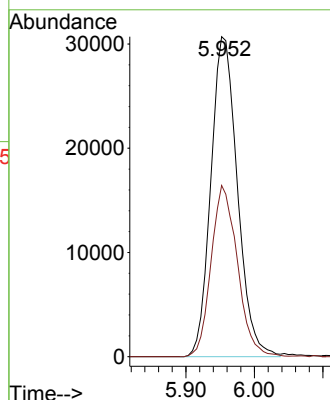
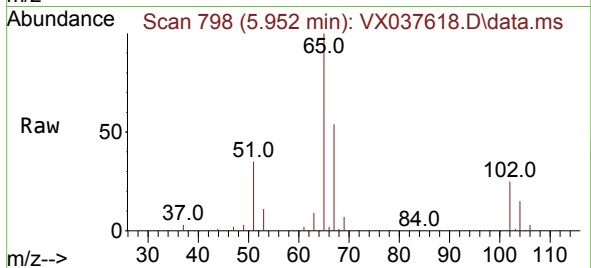
ClientSampleId :

Tgt Ion: 65 Resp: 82625

Ion Ratio Lower Upper

65 100

67 53.0 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: VX037618.D

Acq: 09 Sep 2023 11:18

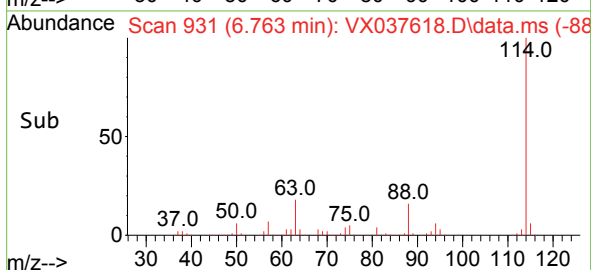
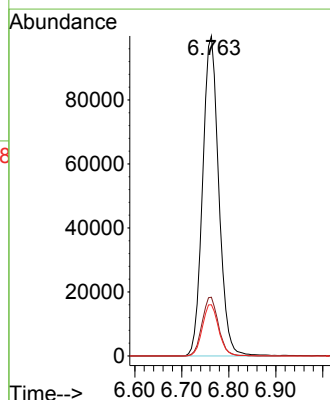
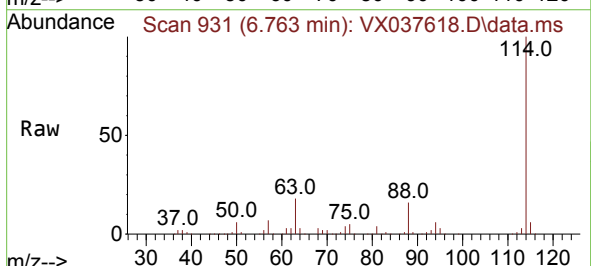
Tgt Ion: 114 Resp: 238352

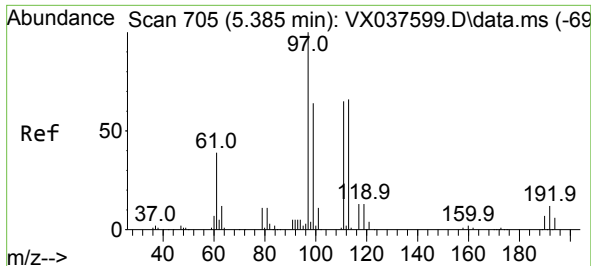
Ion Ratio Lower Upper

114 100

63 18.3 0.0 45.0

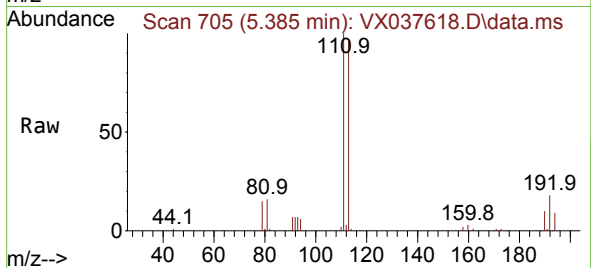
88 16.0 0.0 36.6



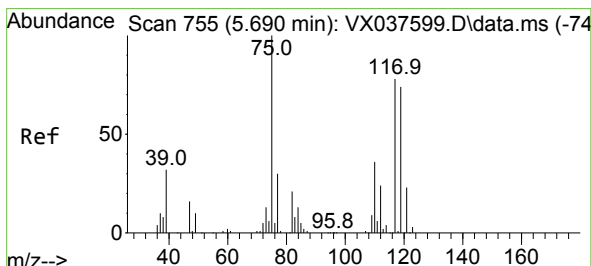
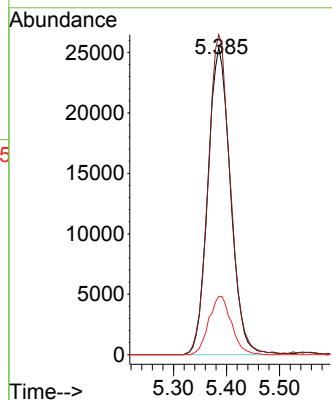
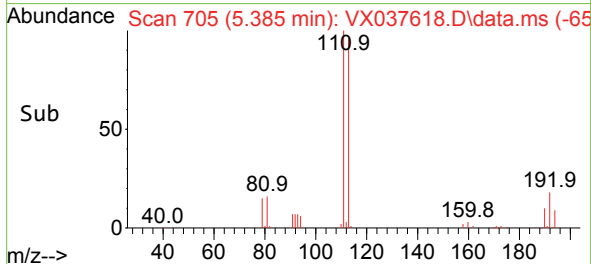


#35
Dibromofluoromethane
Concen: 45.081 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037618.D
Acq: 09 Sep 2023 11:18

Instrument :
MSVOA_X
ClientSampleId :

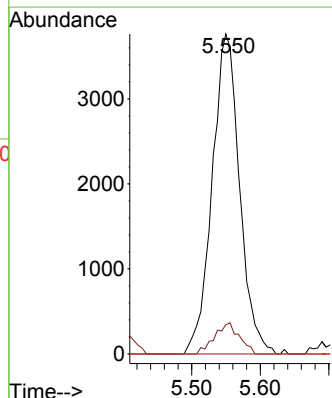
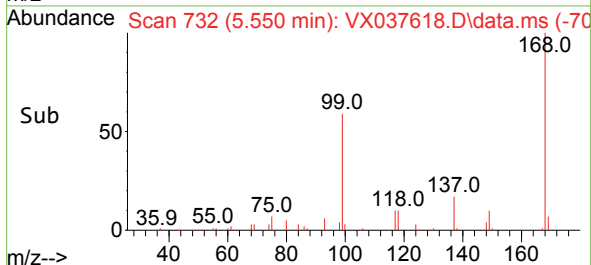
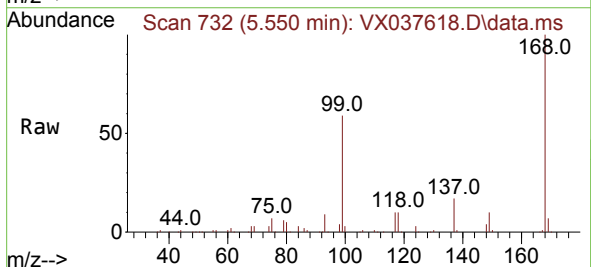


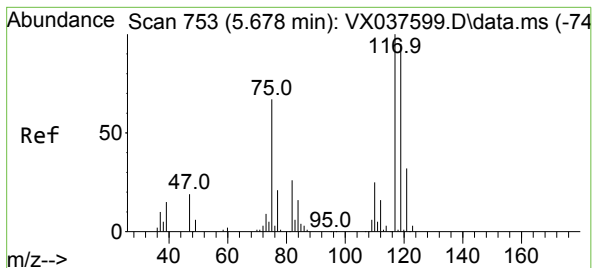
Tgt Ion:113 Resp: 75156
Ion Ratio Lower Upper
113 100
111 103.0 82.9 124.3
192 19.1 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.739 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX037618.D
Acq: 09 Sep 2023 11:18

Tgt Ion: 75 Resp: 10438
Ion Ratio Lower Upper
75 100
110 8.8 17.0 50.9#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.296 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.128 min

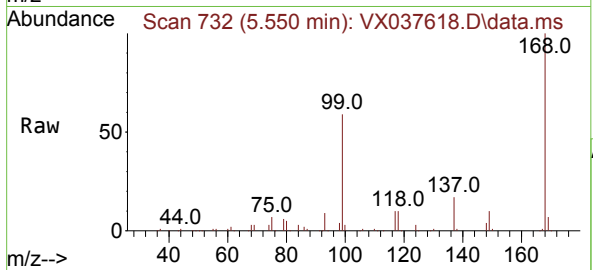
Lab File: VX037618.D

Acq: 09 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :



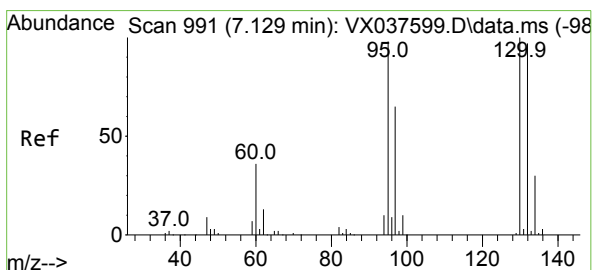
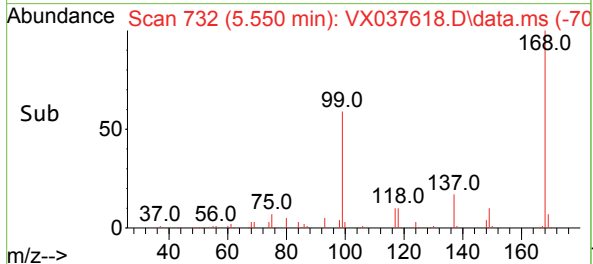
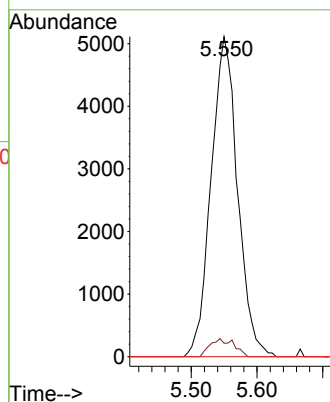
Tgt Ion:117 Resp: 14331

Ion Ratio Lower Upper

117 100

119 4.2 78.2 117.2#

121 0.0 24.4 36.6#



#44

Trichloroethene

Concen: 0.244 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX037618.D

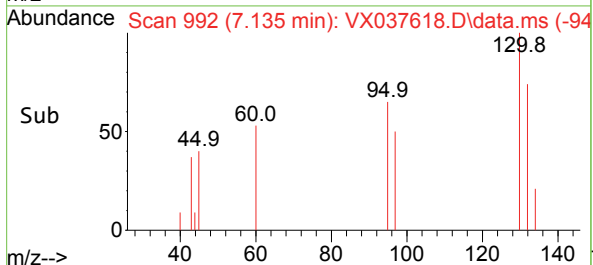
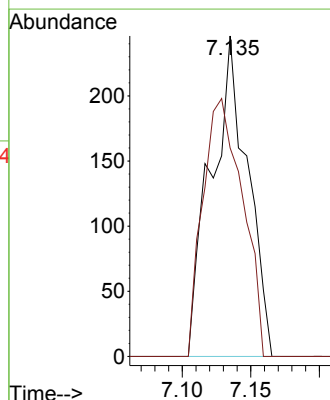
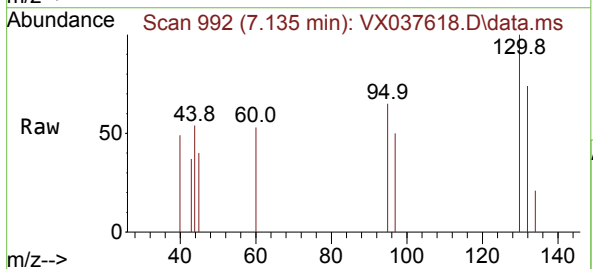
Acq: 09 Sep 2023 11:18

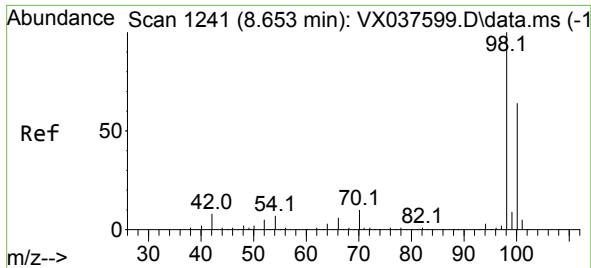
Tgt Ion:130 Resp: 455

Ion Ratio Lower Upper

130 100

95 65.0 0.0 204.4

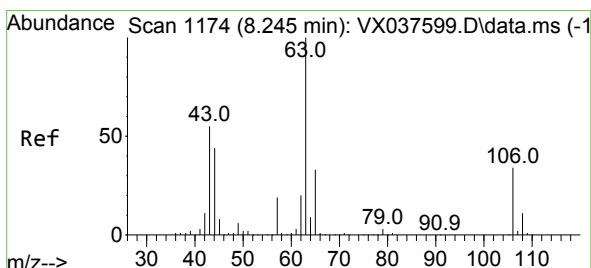
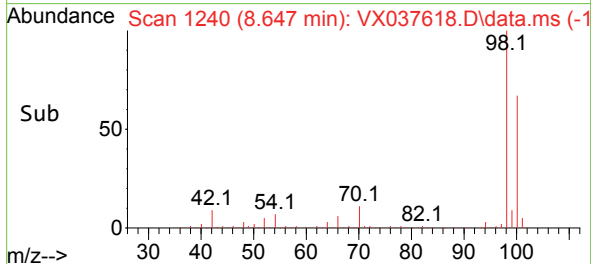
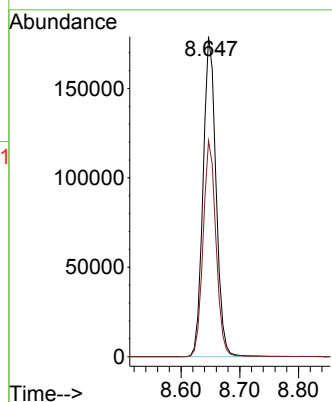
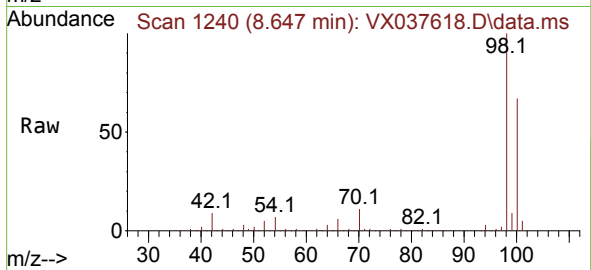




#50
Toluene-d8
Concen: 44.830 ug/l
RT: 8.647 min Scan# 1176
Delta R.T. -0.006 min
Lab File: VX037618.D
Acq: 09 Sep 2023 11:18

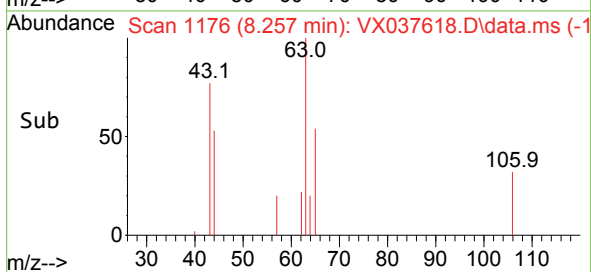
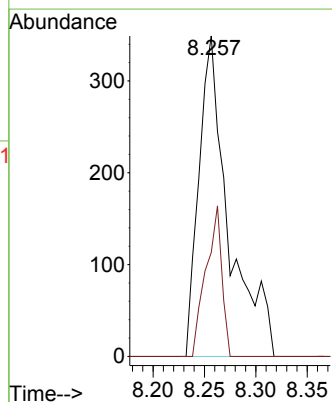
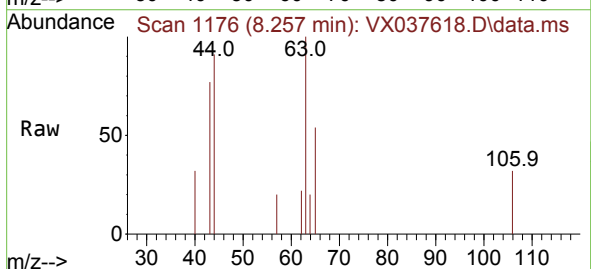
Instrument :
MSVOA_X
ClientSampleId :

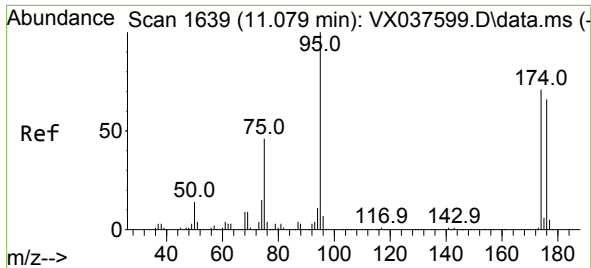
Tgt Ion: 98 Resp: 274117
Ion Ratio Lower Upper
98 100
100 67.2 53.1 79.7



#58
2-Chloroethyl Vinyl ether
Concen: 0.522 ug/l
RT: 8.257 min Scan# 1176
Delta R.T. 0.012 min
Lab File: VX037618.D
Acq: 09 Sep 2023 11:18

Tgt Ion: 63 Resp: 704
Ion Ratio Lower Upper
63 100
106 25.1 22.5 33.7

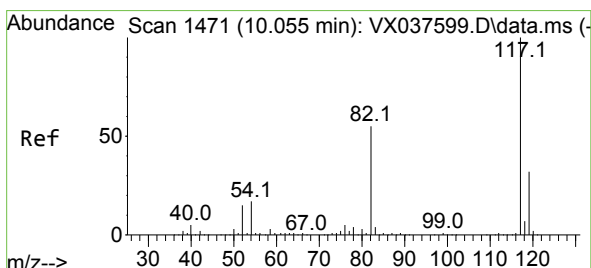
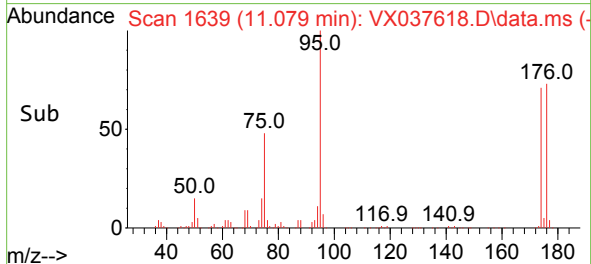
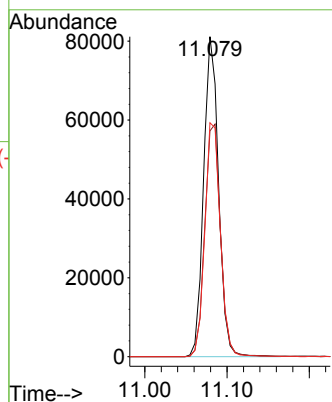
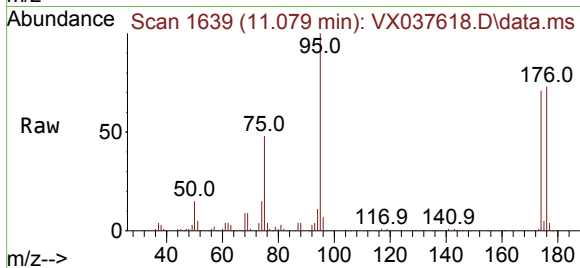




#62
4-Bromofluorobenzene
Concen: 44.450 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037618.D
Acq: 09 Sep 2023 11:18

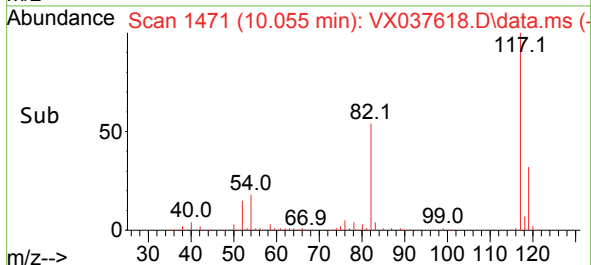
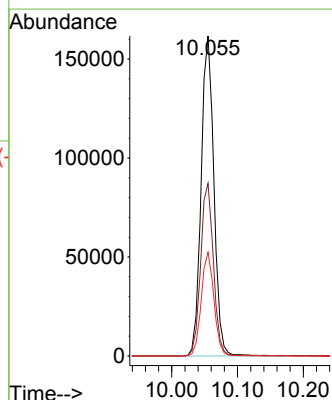
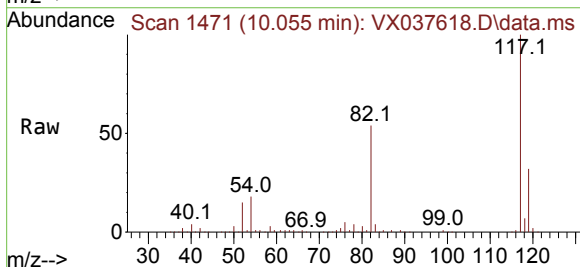
Instrument :
MSVOA_X
ClientSampleId :

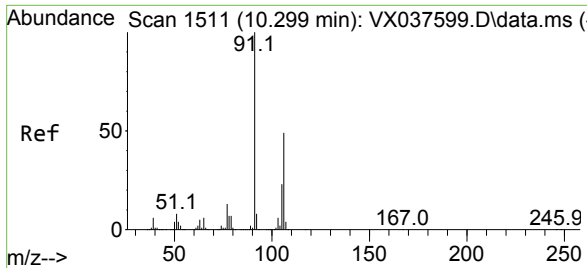
Tgt Ion: 95 Resp: 102435
Ion Ratio Lower Upper
95 100
174 76.4 0.0 135.6
176 76.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037618.D
Acq: 09 Sep 2023 11:18

Tgt Ion: 117 Resp: 217880
Ion Ratio Lower Upper
117 100
82 53.9 46.2 69.4
119 32.4 25.5 38.3

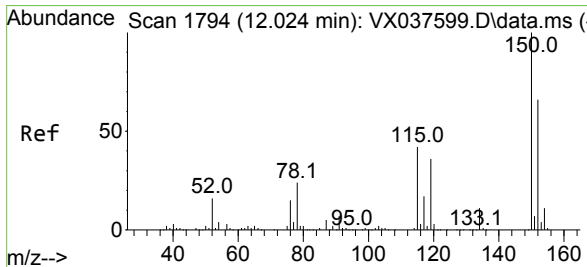
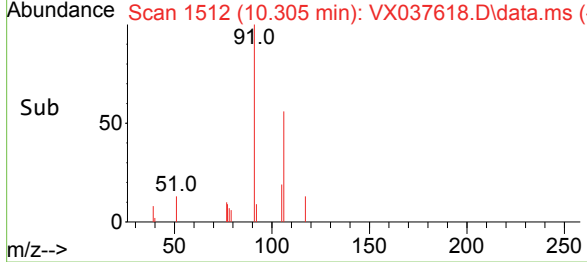
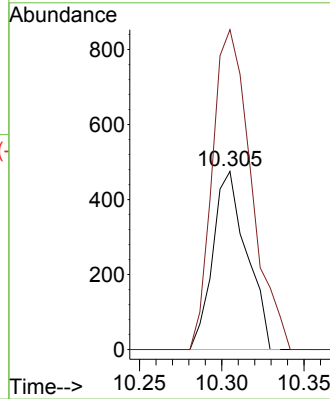
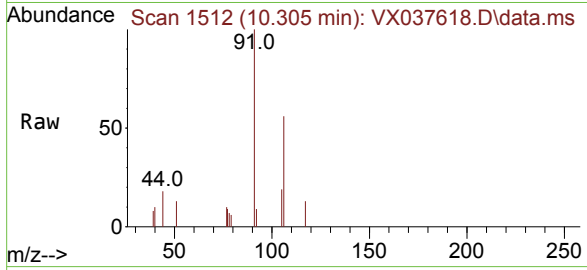




#68
m/p-Xylenes
Concen: 0.212 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037618.D
Acq: 09 Sep 2023 11:18

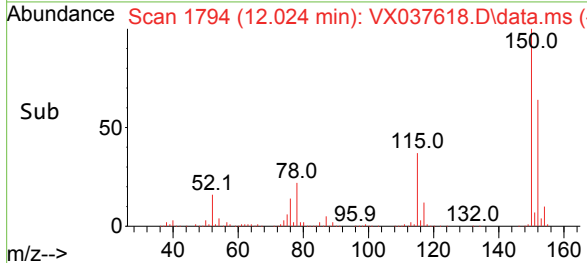
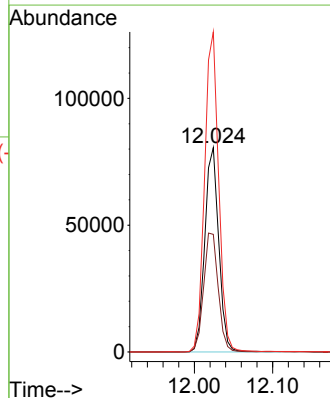
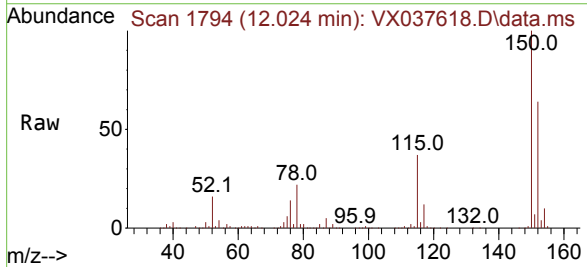
Instrument :
MSVOA_X
ClientSampleId :

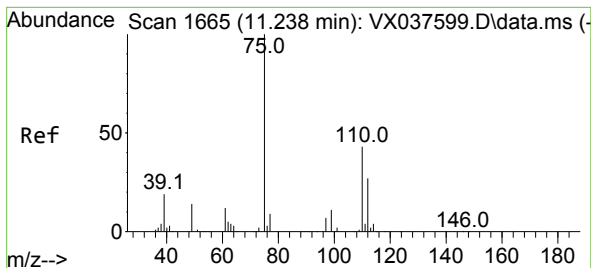
Tgt Ion:106 Resp: 680
Ion Ratio Lower Upper
106 100
91 205.7 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037618.D
Acq: 09 Sep 2023 11:18

Tgt Ion:152 Resp: 99784
Ion Ratio Lower Upper
152 100
115 60.8 43.3 129.9
150 157.6 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 20.836 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037618.D

Acq: 09 Sep 2023 11:18

Instrument :

MSVOA_X

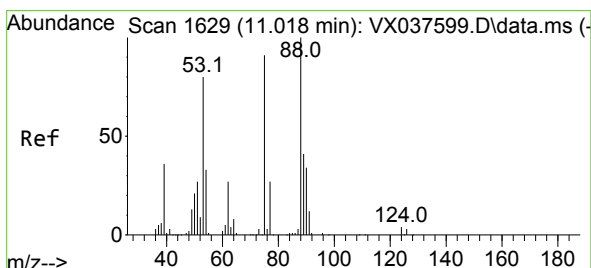
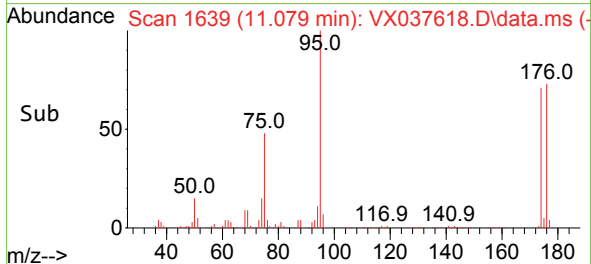
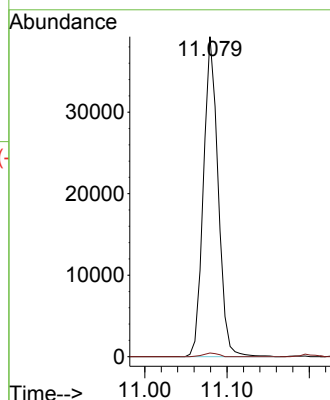
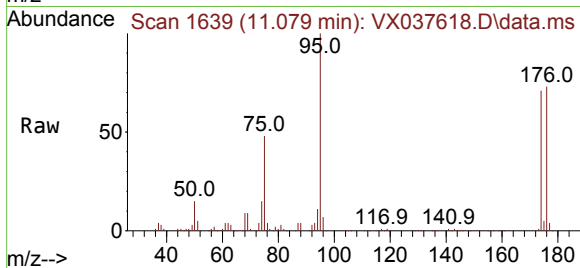
ClientSampleId :

Tgt Ion: 75 Resp: 48673

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.427 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037618.D

Acq: 09 Sep 2023 11:18

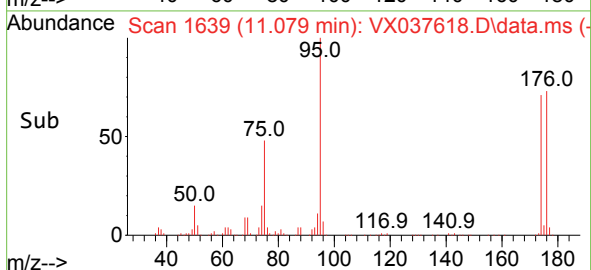
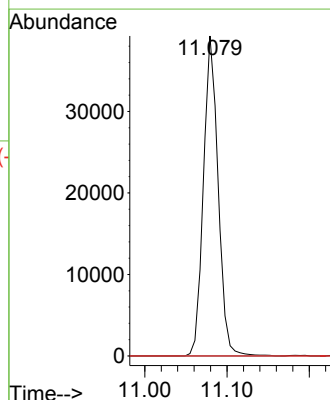
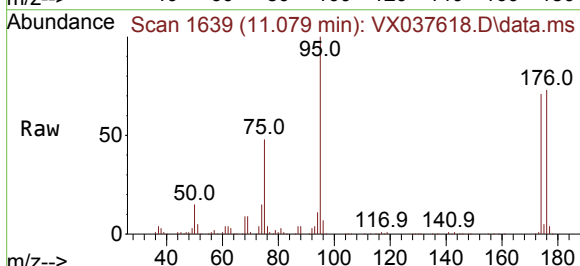
Tgt Ion: 75 Resp: 48673

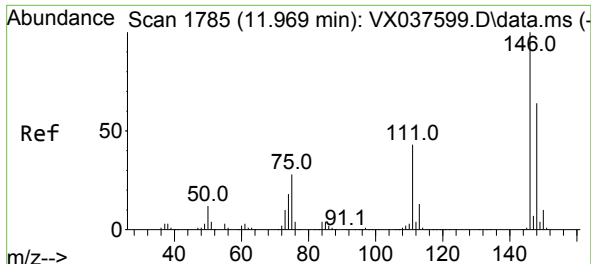
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#87

1,3-Dichlorobenzene

Concen: 0.224 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX037618.D

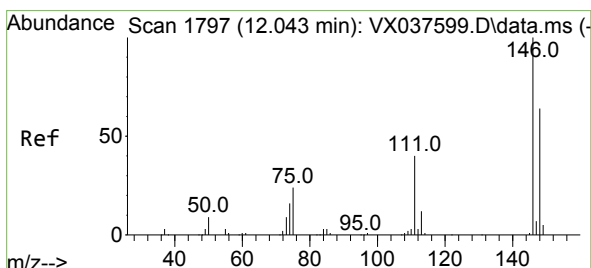
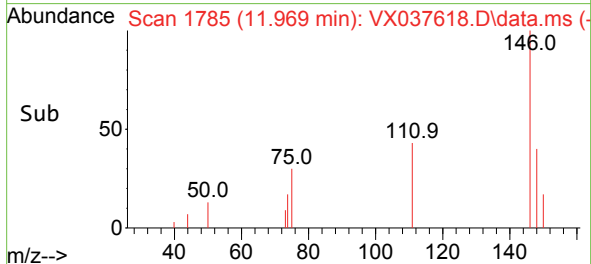
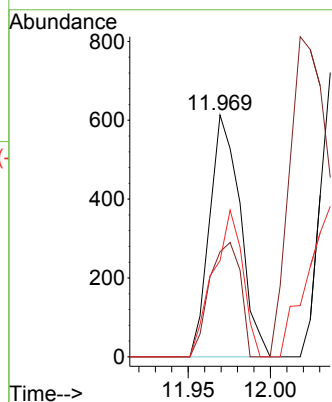
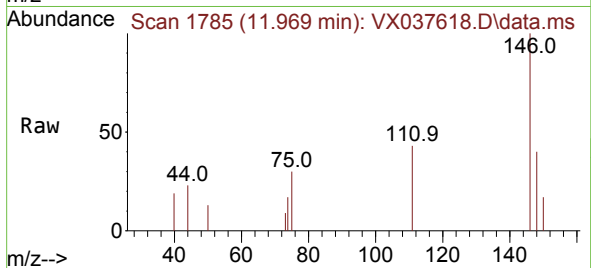
Acq: 09 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:146	Resp:	792
Ion	Ratio	Lower Upper
146	100	
111	47.9	22.1 66.1
148	58.6	31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.221 ug/l

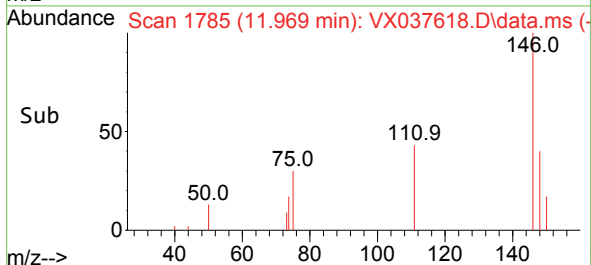
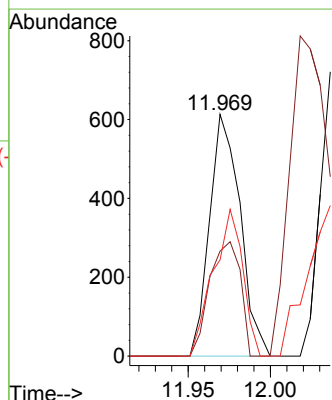
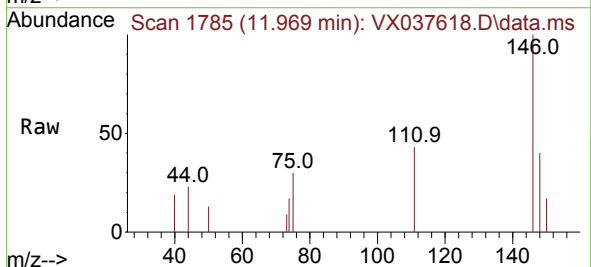
RT: 11.969 min Scan# 1785

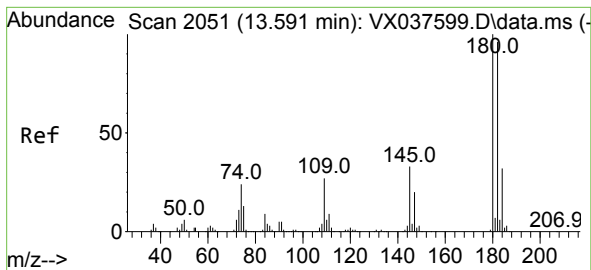
Delta R.T. -0.073 min

Lab File: VX037618.D

Acq: 09 Sep 2023 11:18

Tgt Ion:146	Resp:	792
Ion	Ratio	Lower Upper
146	100	
111	47.9	21.3 63.7
148	58.6	31.8 95.4





#93

1,2,4-Trichlorobenzene

Concen: 0.362 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. -0.000 min

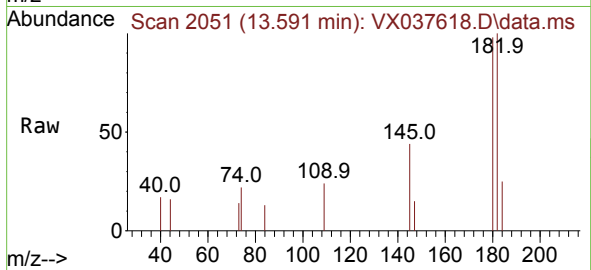
Lab File: VX037618.D

Acq: 09 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :



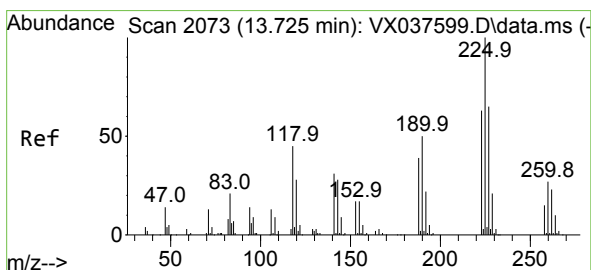
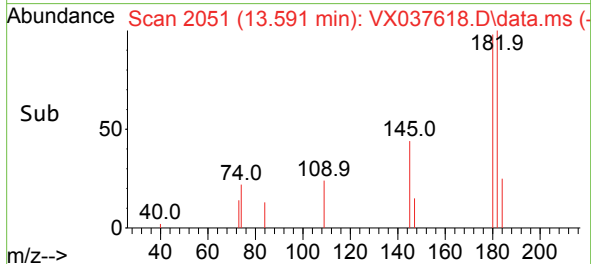
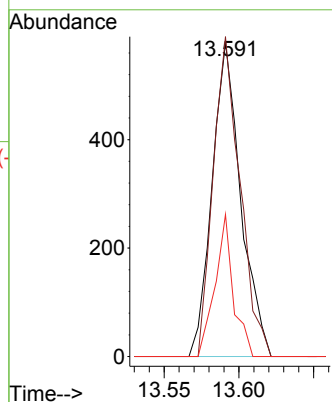
Tgt Ion:180 Resp: 770

Ion Ratio Lower Upper

180 100

182 95.1 48.3 144.8

145 28.8 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.316 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX037618.D

Acq: 09 Sep 2023 11:18

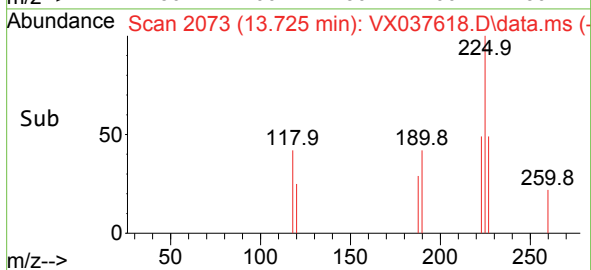
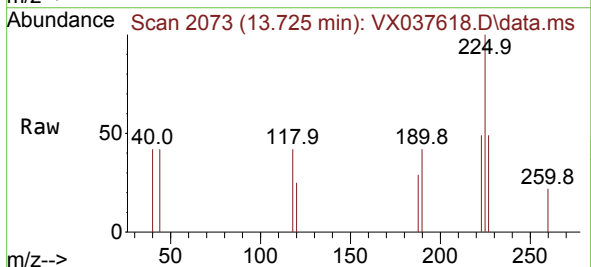
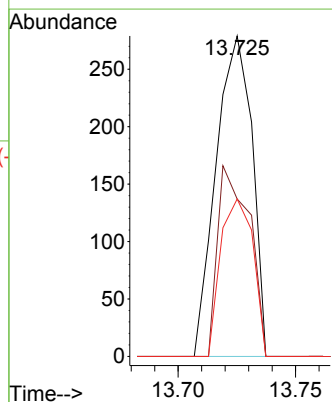
Tgt Ion:225 Resp: 297

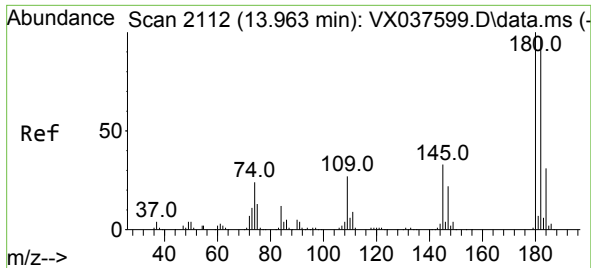
Ion Ratio Lower Upper

225 100

223 52.5 31.1 93.2

227 44.1 32.5 97.5





#96

1,2,3-Trichlorobenzene

Concen: 0.259 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

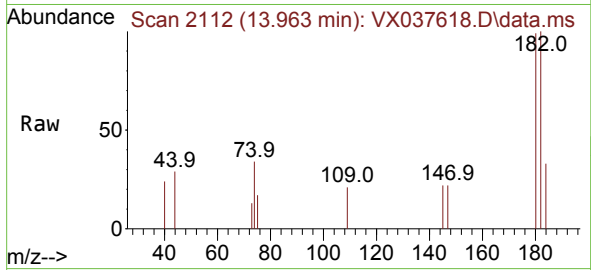
Lab File: VX037618.D

Acq: 09 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:180 Resp: 568

Ion Ratio Lower Upper

180 100

182 97.5 46.9 140.6

145 34.0 17.8 53.5

