

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092823\
 Data File : VX037955.D
 Acq On : 28 Sep 2023 17:21
 Operator : JC/MD
 Sample : 04662-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

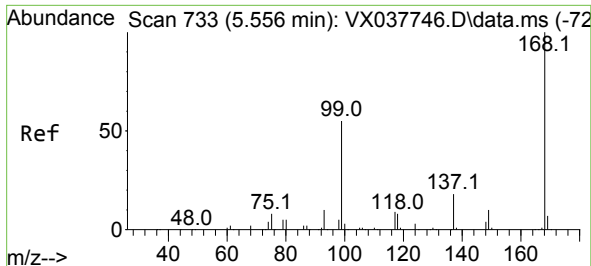
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 29 05:48:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	272941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	457514	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	438479	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	225504	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	163501	45.594	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	91.180%	
35) Dibromofluoromethane	5.385	113	144534	47.214	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	94.420%	
50) Toluene-d8	8.647	98	546023	48.004	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	96.000%	
62) 4-Bromofluorobenzene	11.079	95	209249	50.626	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	101.260%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	248	0.322	ug/l #	78
13) Acrolein	2.240	56	288	0.379	ug/l #	81
15) Acrylonitrile	3.075	53	381	0.223	ug/l #	79
16) Acetone	2.380	43	5319	3.083	ug/l	91
17) Carbon Disulfide	2.514	76	2563	0.384	ug/l #	94
36) 1,1-Dichloropropene	5.550	75	19926	4.725	ug/l #	51
38) Carbon Tetrachloride	5.550	117	27984	6.342	ug/l #	14
76) 1,2,3-Trichloropropane	11.079	75	105947	20.313	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	105947	65.070	ug/l #	5
87) 1,3-Dichlorobenzene	11.976	146	1725	0.226	ug/l	97
88) 1,4-Dichlorobenzene	11.976	146	1725	0.221	ug/l	96
89) n-Butylbenzene	12.335	91	3236	0.259	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	2109	0.459	ug/l	96
94) Hexachlorobutadiene	13.725	225	935	0.436	ug/l	96
95) Naphthalene	13.774	128	5363	0.345	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	1830	0.387	ug/l	97

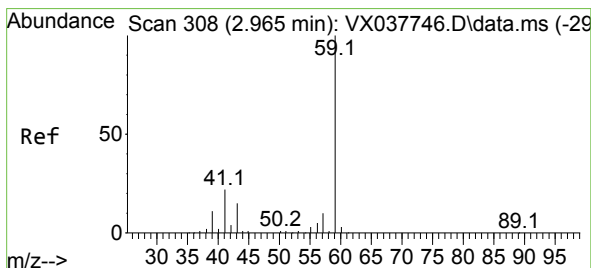
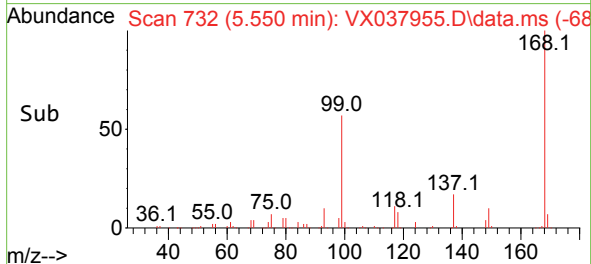
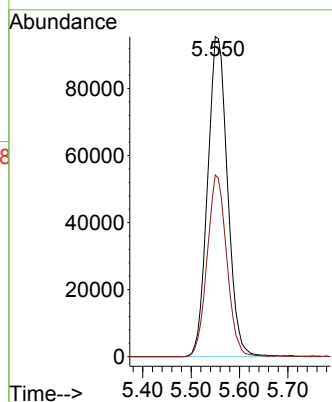
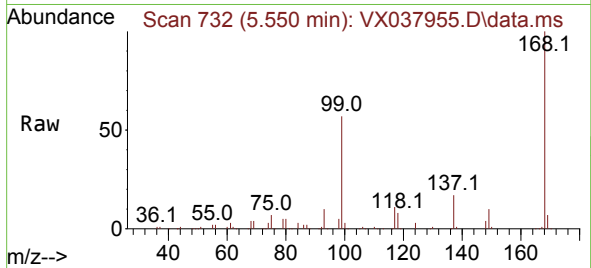
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037955.D
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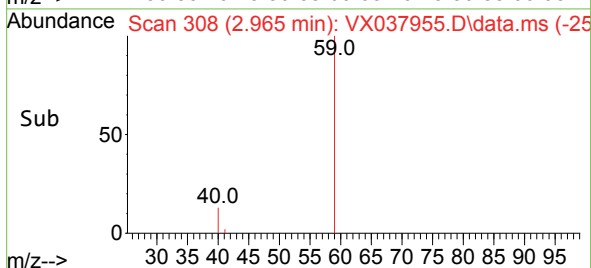
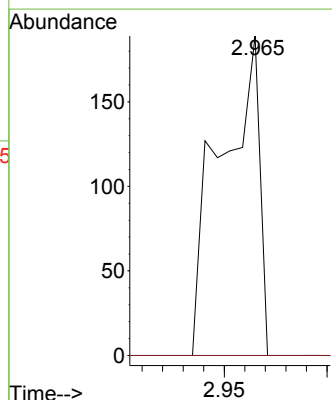
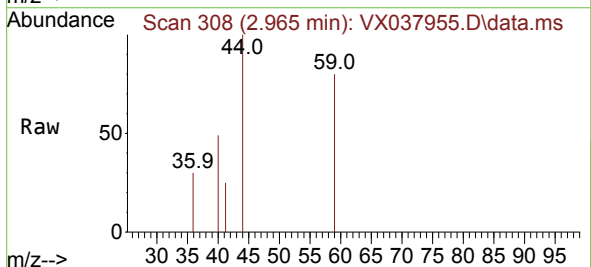
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MSVOA_X
ClientSampleId :

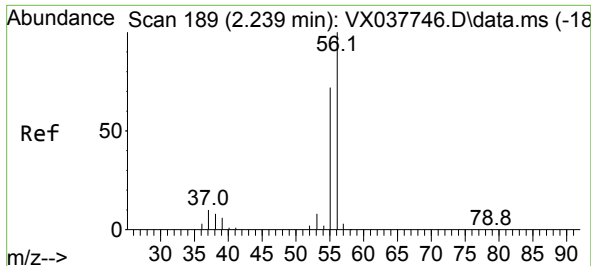
Tgt Ion:168 Resp: 272941
Ion Ratio Lower Upper
168 100
99 56.8 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.322 ug/l
RT: 2.965 min Scan# 308
Delta R.T. 0.000 min
Lab File: VX037955.D
Acq: 28 Sep 2023 17:21

Tgt Ion: 59 Resp: 248
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

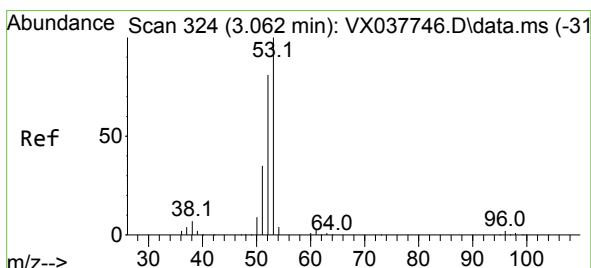
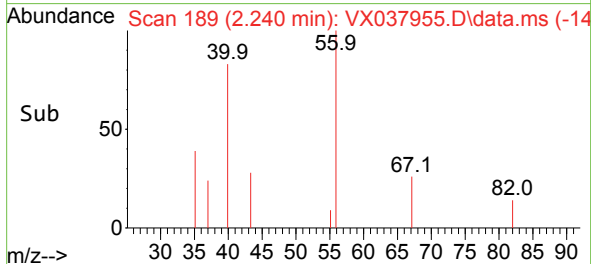
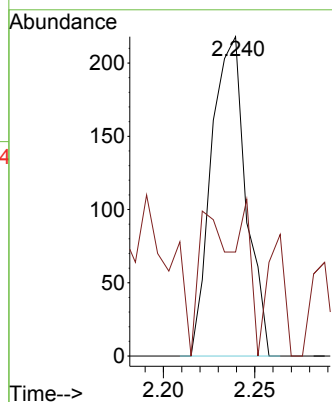
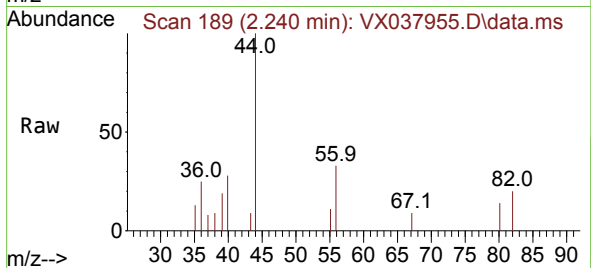




#13
Acrolein
Concen: 0.379 ug/l
RT: 2.240 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037955.D
Acq: 28 Sep 2023 17:21

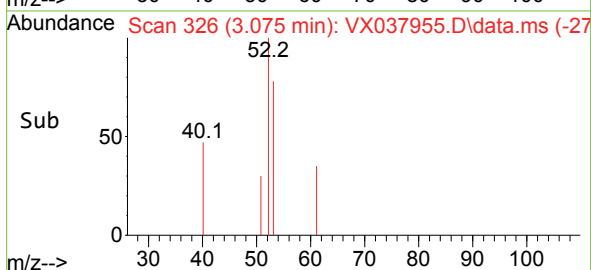
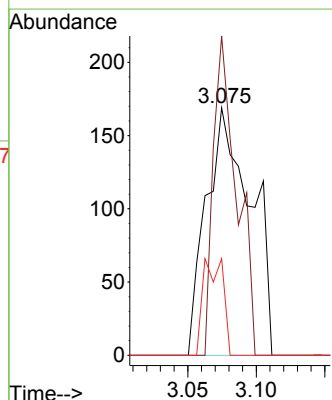
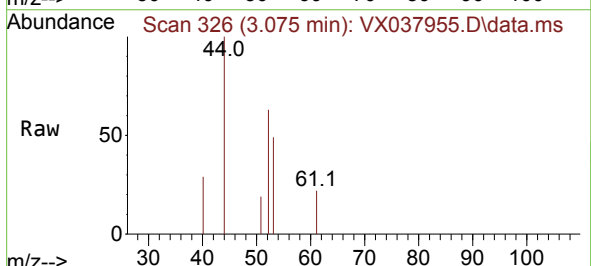
Instrument :
MSVOA_X
ClientSampleId :

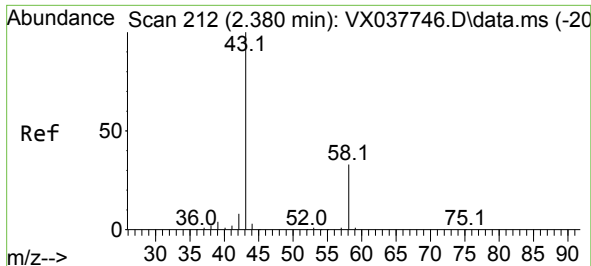
Tgt Ion: 56 Resp: 288
Ion Ratio Lower Upper
56 100
55 55.9 57.1 85.7#



#15
Acrylonitrile
Concen: 0.223 ug/l
RT: 3.075 min Scan# 326
Delta R.T. 0.006 min
Lab File: VX037955.D
Acq: 28 Sep 2023 17:21

Tgt Ion: 53 Resp: 381
Ion Ratio Lower Upper
53 100
52 68.0 66.0 99.0
51 17.6 29.8 44.6#

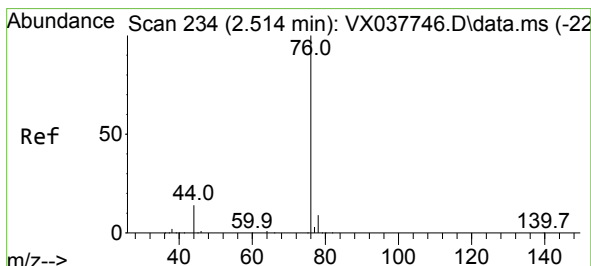
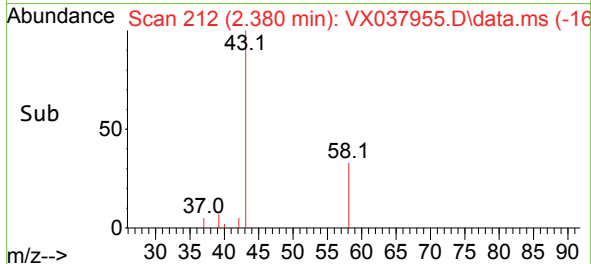
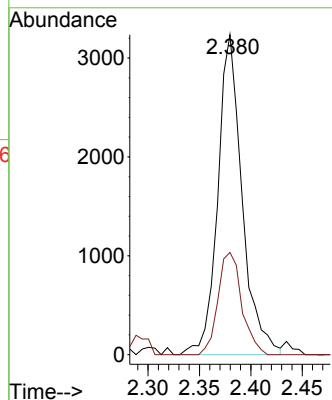
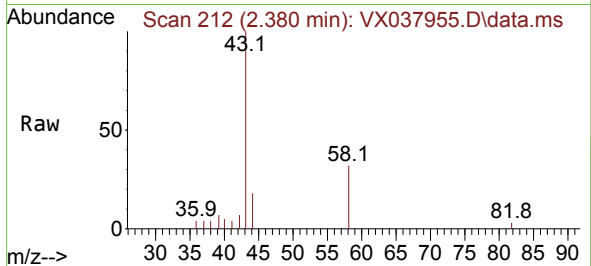




#16
Acetone
Concen: 3.083 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX037955.D
Acq: 28 Sep 2023 17:21

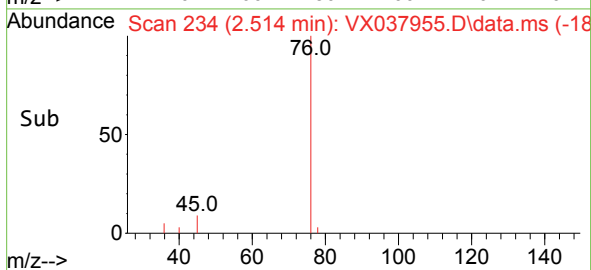
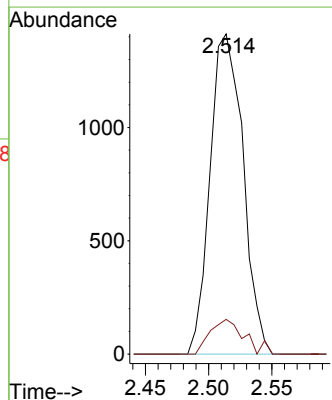
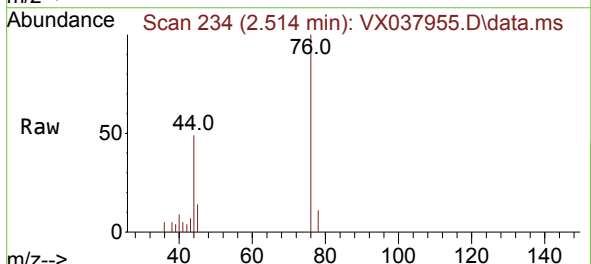
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MSVOA_X
ClientSampleId :

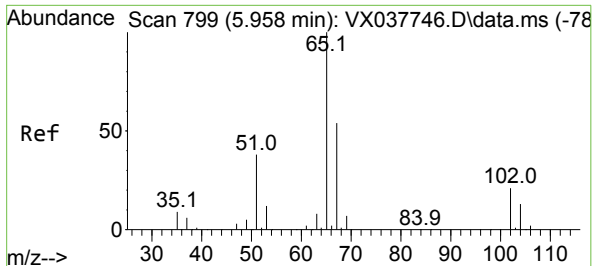
Tgt Ion: 43 Resp: 5319
Ion Ratio Lower Upper
43 100
58 32.0 21.9 32.9



#17
Carbon Disulfide
Concen: 0.384 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX037955.D
Acq: 28 Sep 2023 17:21

Tgt Ion: 76 Resp: 2563
Ion Ratio Lower Upper
76 100
78 10.8 7.0 10.6#





#33

1,2-Dichloroethane-d4

Concen: 45.594 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX037955.D

Acq: 28 Sep 2023 17:21

Instrument :

MSVOA_X

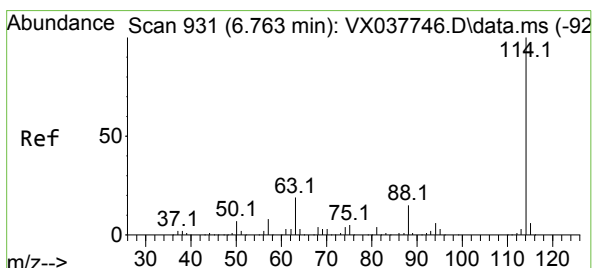
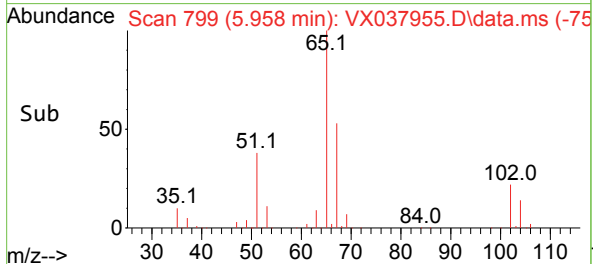
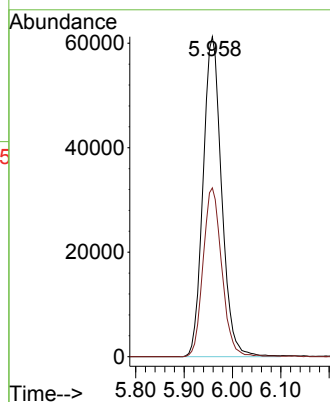
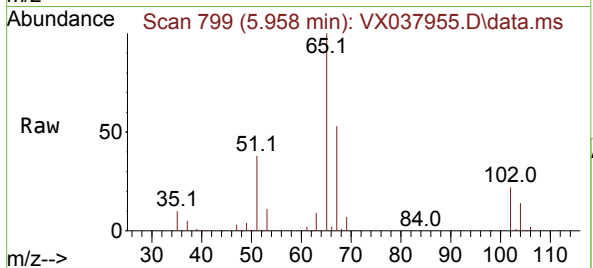
ClientSampleId :

Tgt Ion: 65 Resp: 163501

Ion Ratio Lower Upper

65 100

67 53.2 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: VX037955.D

Acq: 28 Sep 2023 17:21

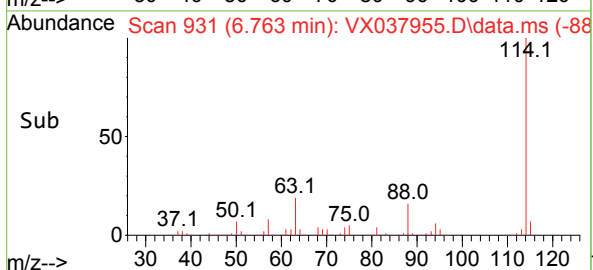
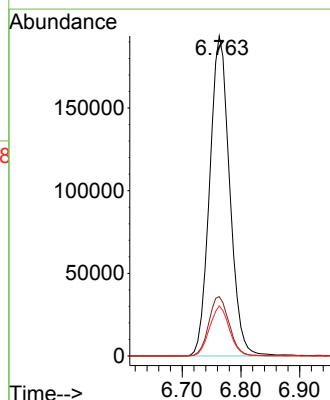
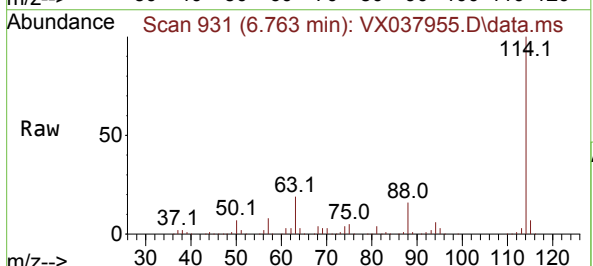
Tgt Ion: 114 Resp: 457514

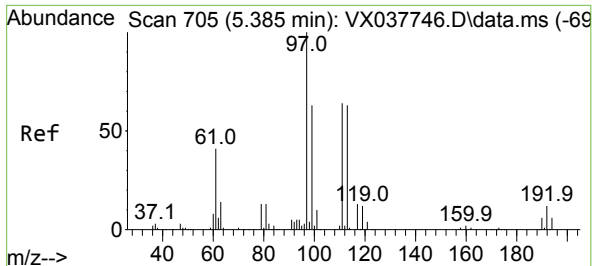
Ion Ratio Lower Upper

114 100

63 18.6 0.0 45.0

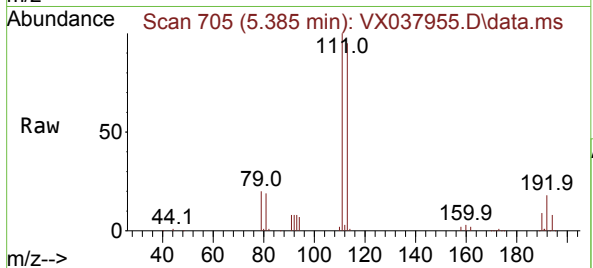
88 15.6 0.0 36.6



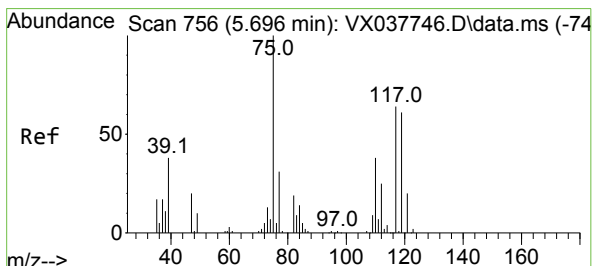
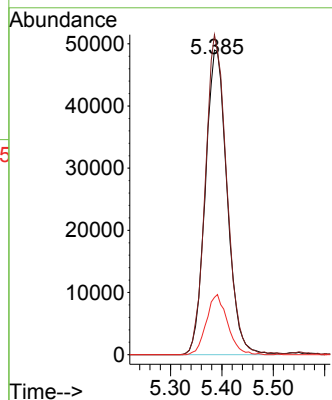
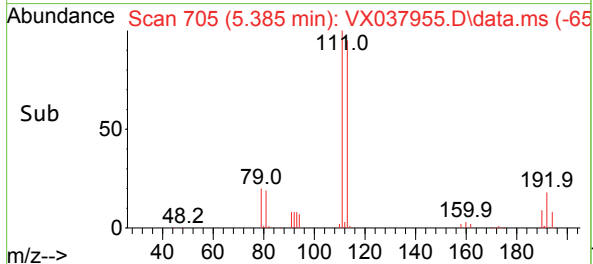


#35
Dibromofluoromethane
Concen: 47.214 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037955.D
Acq: 28 Sep 2023 17:21

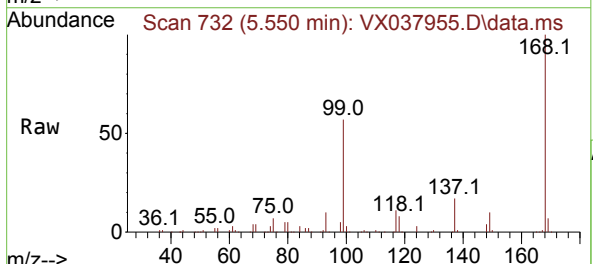
Instrument :
MSVOA_X
ClientSampleId :



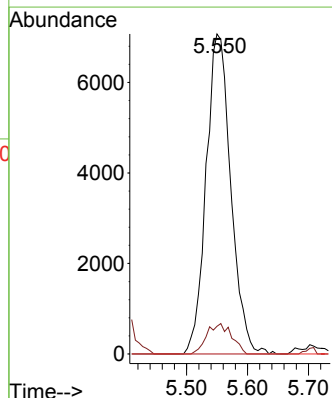
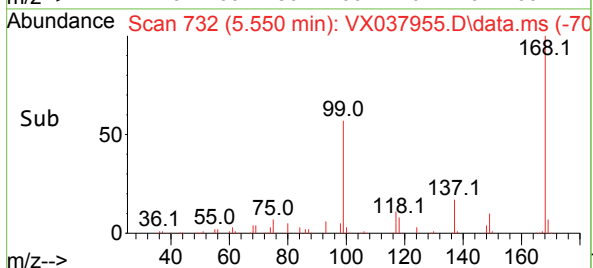
Tgt Ion:113 Resp: 144534
Ion Ratio Lower Upper
113 100
111 103.3 82.9 124.3
192 19.1 13.3 19.9

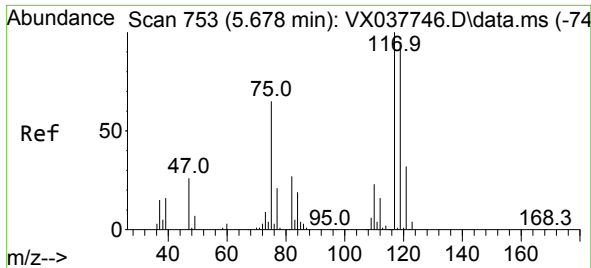


#36
1,1-Dichloropropene
Concen: 4.725 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX037955.D
Acq: 28 Sep 2023 17:21



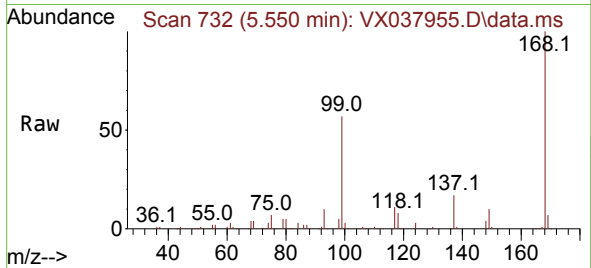
Tgt Ion: 75 Resp: 19926
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#



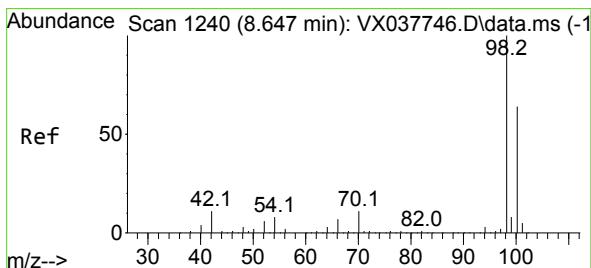
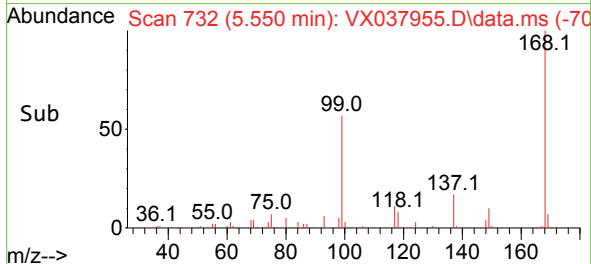
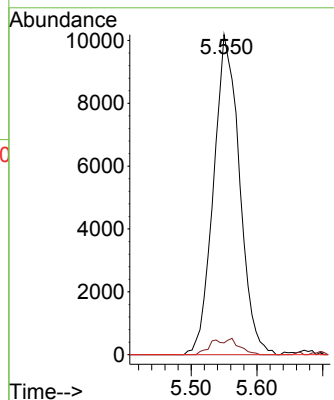


#38
Carbon Tetrachloride
Concen: 6.342 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX037955.D
Acq: 28 Sep 2023 17:21

Instrument :
MSVOA_X
ClientSampleId :

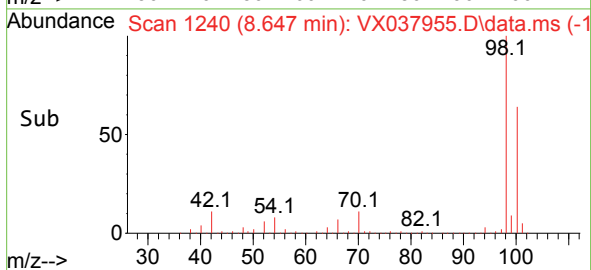
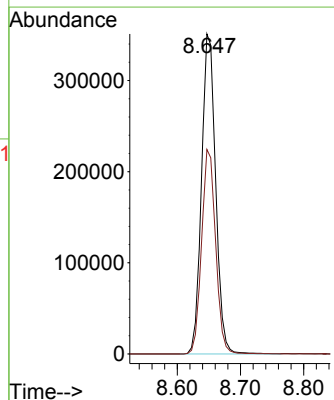
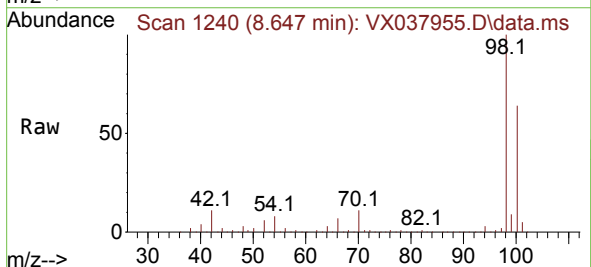


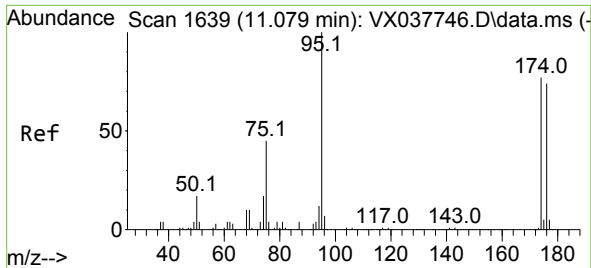
Tgt Ion:117 Resp: 27984
Ion Ratio Lower Upper
117 100
119 3.7 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 48.004 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037955.D
Acq: 28 Sep 2023 17:21

Tgt Ion: 98 Resp: 546023
Ion Ratio Lower Upper
98 100
100 63.6 53.1 79.7

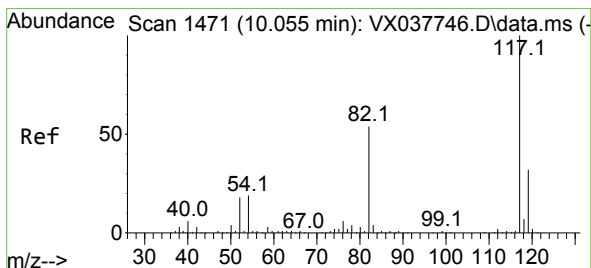
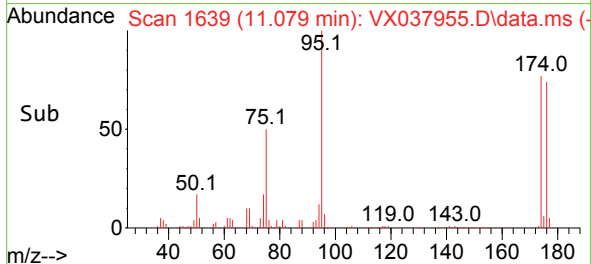
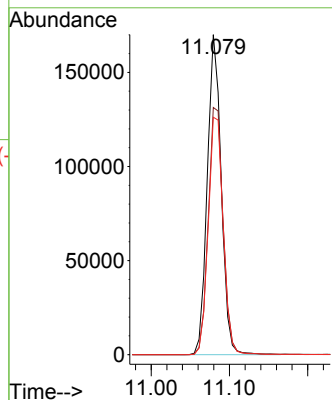
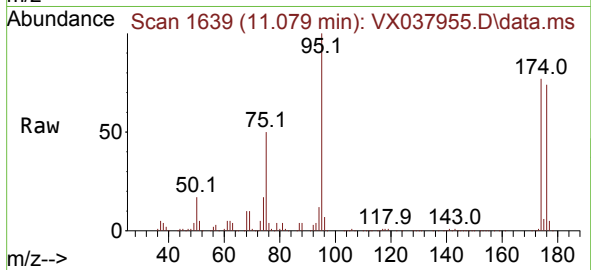




#62
4-Bromofluorobenzene
Concen: 50.626 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX037955.D
Acq: 28 Sep 2023 17:21

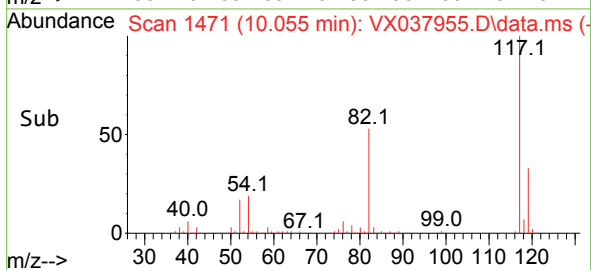
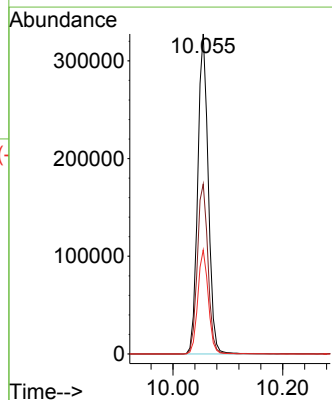
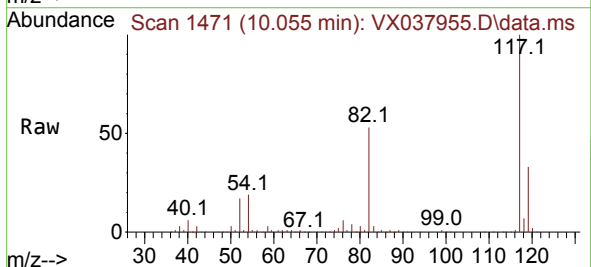
Instrument :
MSVOA_X
ClientSampleId :

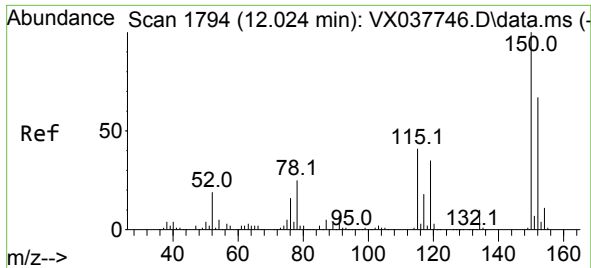
Tgt Ion: 95 Resp: 209249
Ion Ratio Lower Upper
95 100
174 82.9 0.0 135.6
176 80.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037955.D
Acq: 28 Sep 2023 17:21

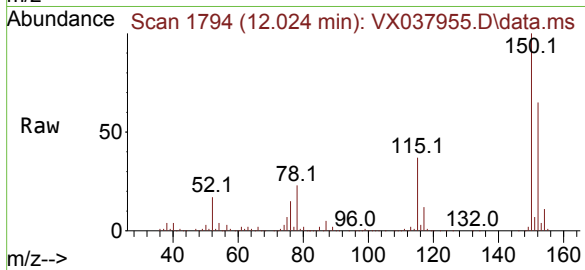
Tgt Ion: 117 Resp: 438479
Ion Ratio Lower Upper
117 100
82 53.1 46.2 69.4
119 32.5 25.5 38.3



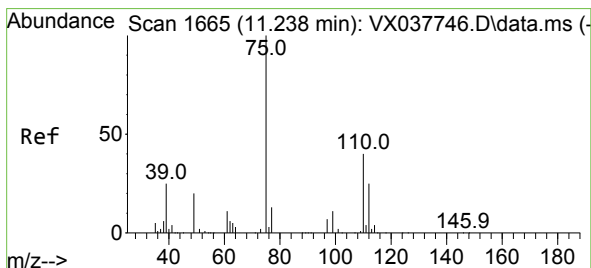
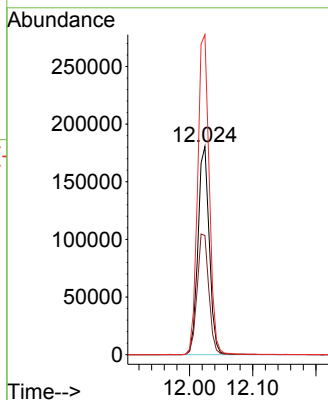
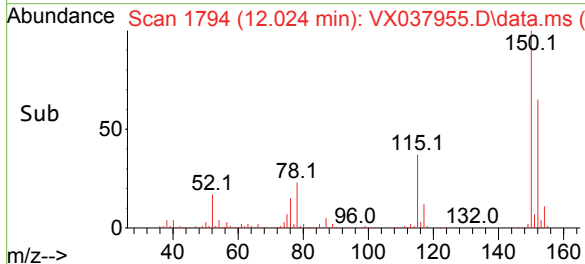


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037955.D
Acq: 28 Sep 2023 17:21

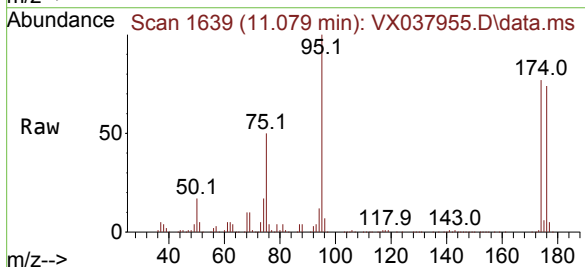
Instrument :
MSVOA_X
ClientSampleId :



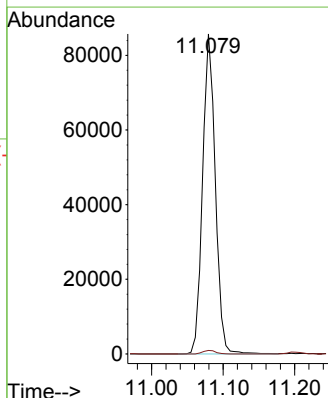
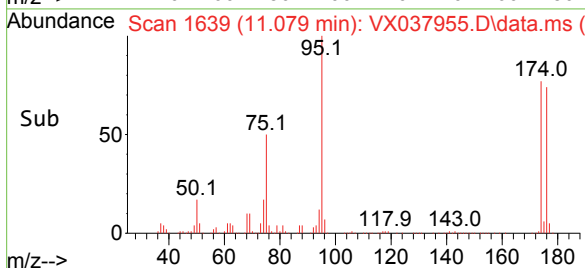
Tgt Ion:152 Resp: 225504
Ion Ratio Lower Upper
152 100
115 59.8 43.3 129.9
150 157.4 0.0 345.0

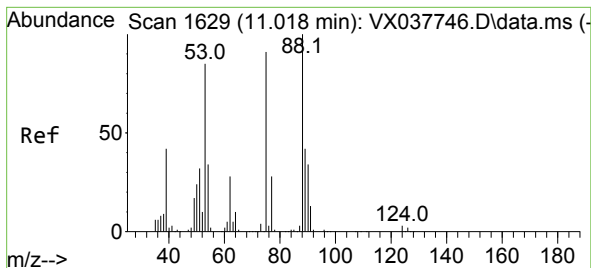


#76
1,2,3-Trichloropropane
Concen: 20.313 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX037955.D
Acq: 28 Sep 2023 17:21



Tgt Ion: 75 Resp: 105947
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#

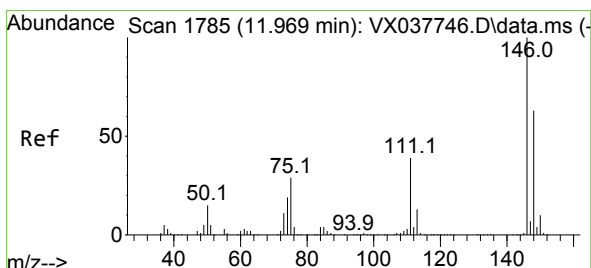
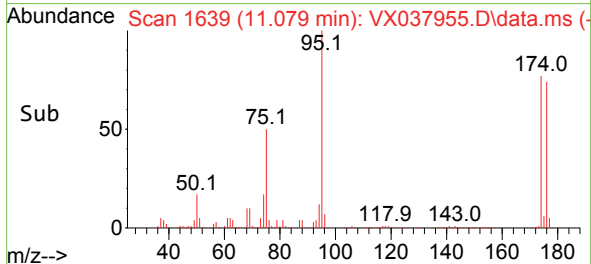
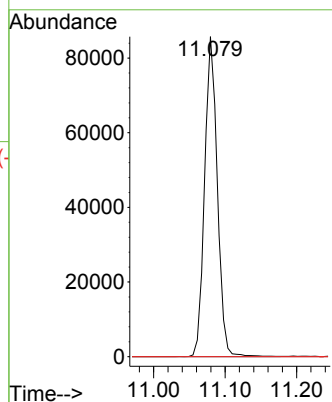
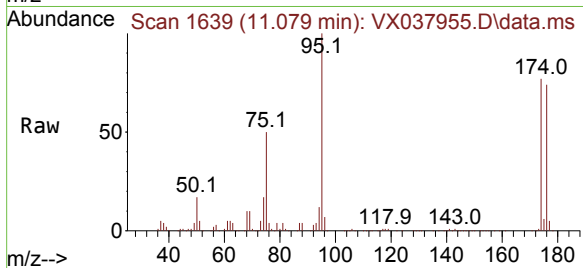




#81
trans-1,4-Dichloro-2-butene
Concen: 65.070 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037955.D
Acq: 28 Sep 2023 17:21

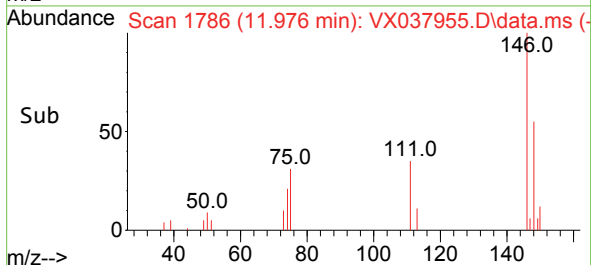
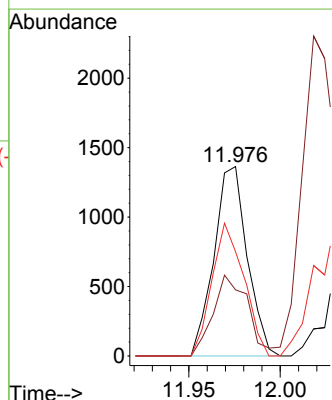
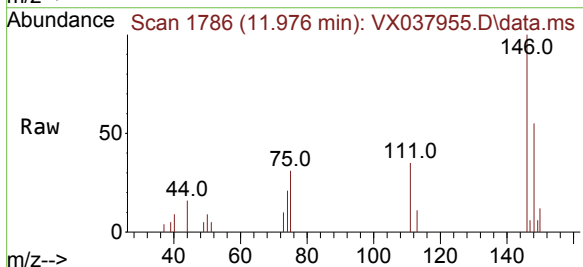
Instrument :
MSVOA_X
ClientSampleId :

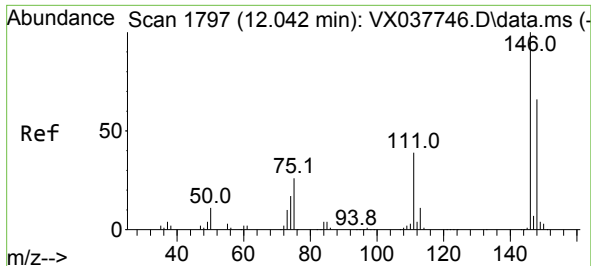
Tgt Ion: 75 Resp: 105947
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#87
1,3-Dichlorobenzene
Concen: 0.226 ug/l
RT: 11.976 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX037955.D
Acq: 28 Sep 2023 17:21

Tgt Ion:146 Resp: 1725
Ion Ratio Lower Upper
146 100
111 44.2 22.1 66.1
148 67.2 31.8 95.3





#88

1,4-Dichlorobenzene

Concen: 0.221 ug/l

RT: 11.976 min Scan# 1797

Delta R.T. -0.067 min

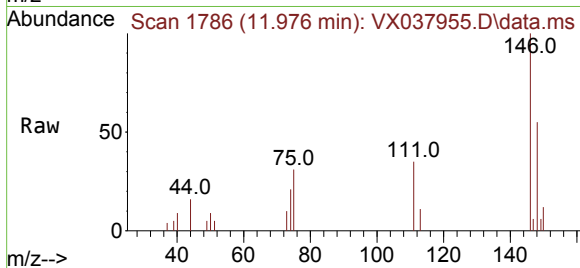
Lab File: VX037955.D

Acq: 28 Sep 2023 17:21

Instrument :

MSVOA_X

ClientSampleId :



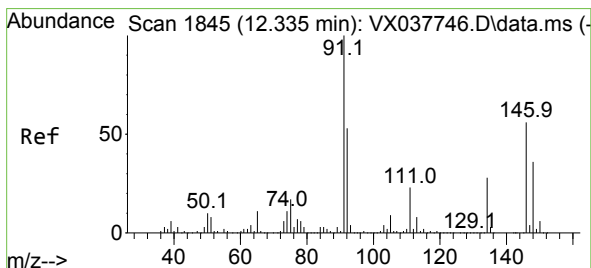
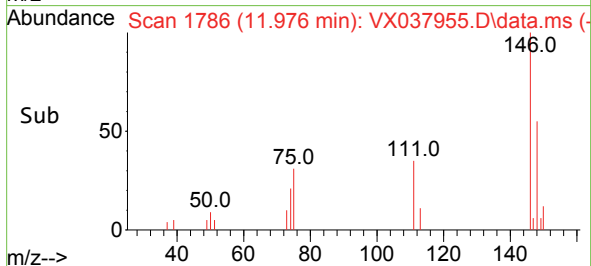
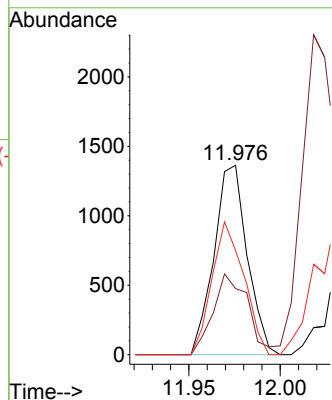
Tgt Ion:146 Resp: 1725

Ion Ratio Lower Upper

146 100

111 44.2 21.3 63.7

148 67.2 31.8 95.4



#89

n-Butylbenzene

Concen: 0.259 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX037955.D

Acq: 28 Sep 2023 17:21

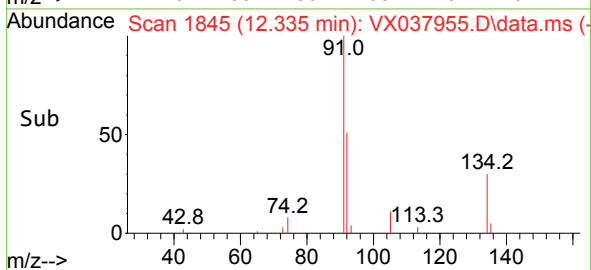
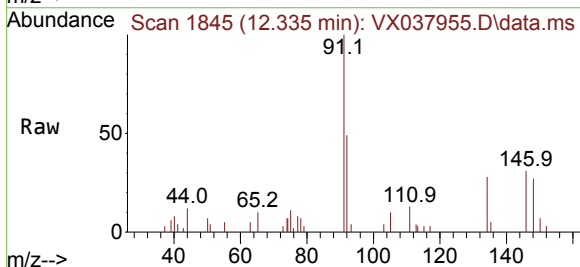
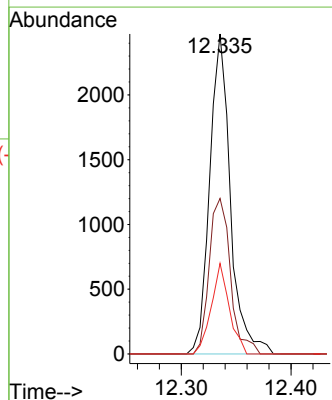
Tgt Ion: 91 Resp: 3236

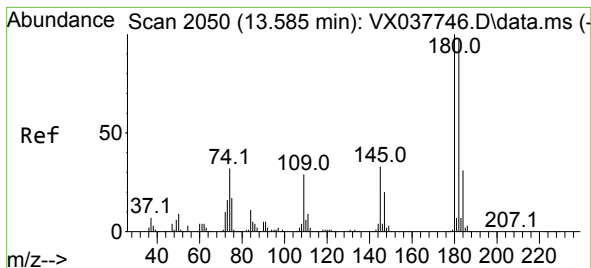
Ion Ratio Lower Upper

91 100

92 50.1 27.4 82.0

134 24.7 12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.459 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.000 min

Lab File: VX037955.D

Acq: 28 Sep 2023 17:21

Instrument :

MSVOA_X

ClientSampleId :

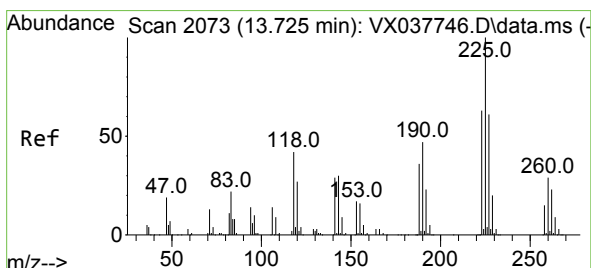
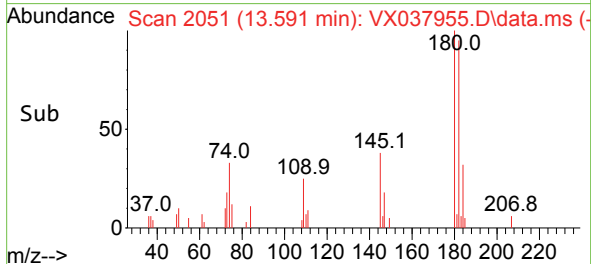
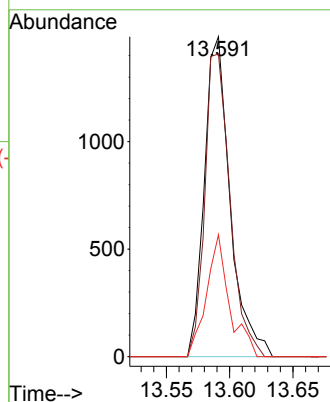
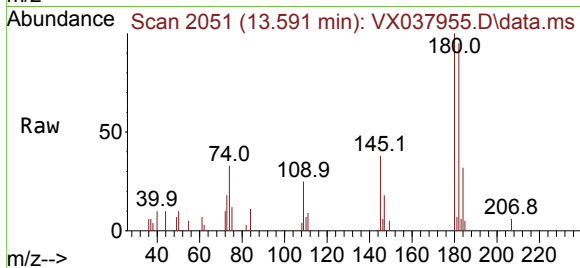
Tgt Ion:180 Resp: 2109

Ion Ratio Lower Upper

180 100

182 92.7 48.3 144.8

145 33.8 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.436 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX037955.D

Acq: 28 Sep 2023 17:21

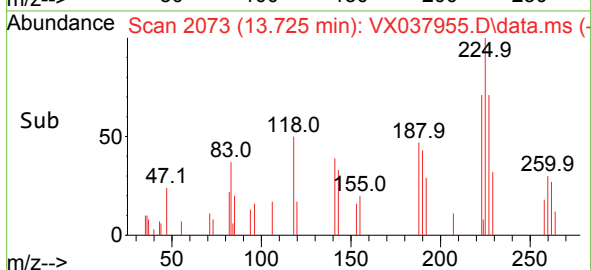
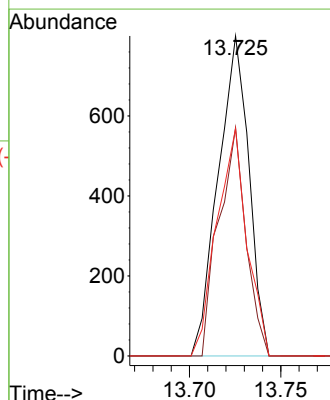
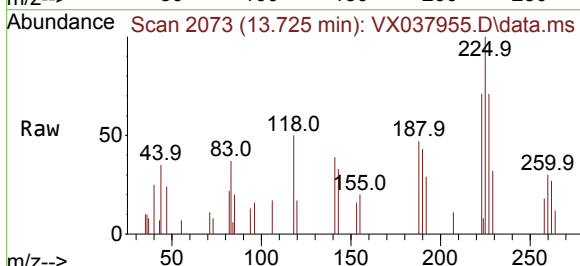
Tgt Ion:225 Resp: 935

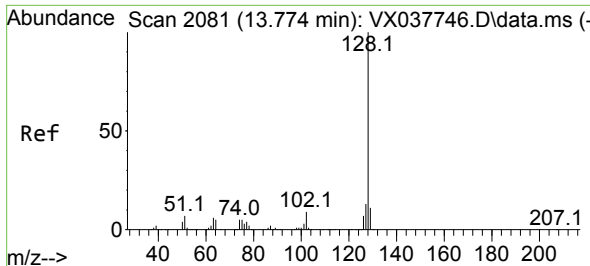
Ion Ratio Lower Upper

225 100

223 63.4 31.1 93.2

227 69.6 32.5 97.5

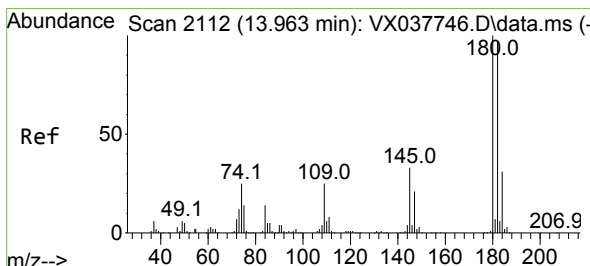
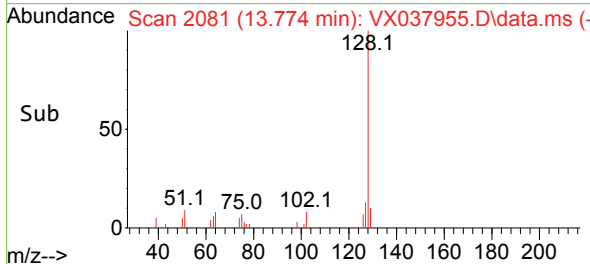
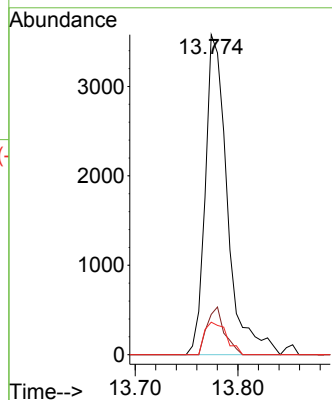
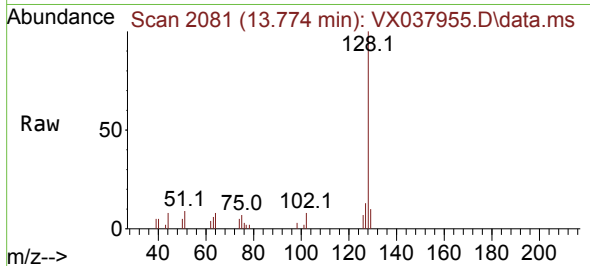




#95
Naphthalene
Concen: 0.345 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX037955.D
Acq: 28 Sep 2023 17:21

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:	128	Resp:	5363
Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.3	15.5
129	10.1	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.387 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX037955.D
Acq: 28 Sep 2023 17:21

Tgt Ion:	180	Resp:	1830
Ion	Ratio	Lower	Upper
180	100		
182	90.5	46.9	140.6
145	36.7	17.8	53.5

