

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090723\
 Data File : VX037571.D
 Acq On : 07 Sep 2023 11:44
 Operator : JC/MD
 Sample : VX0907MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 08 00:41:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

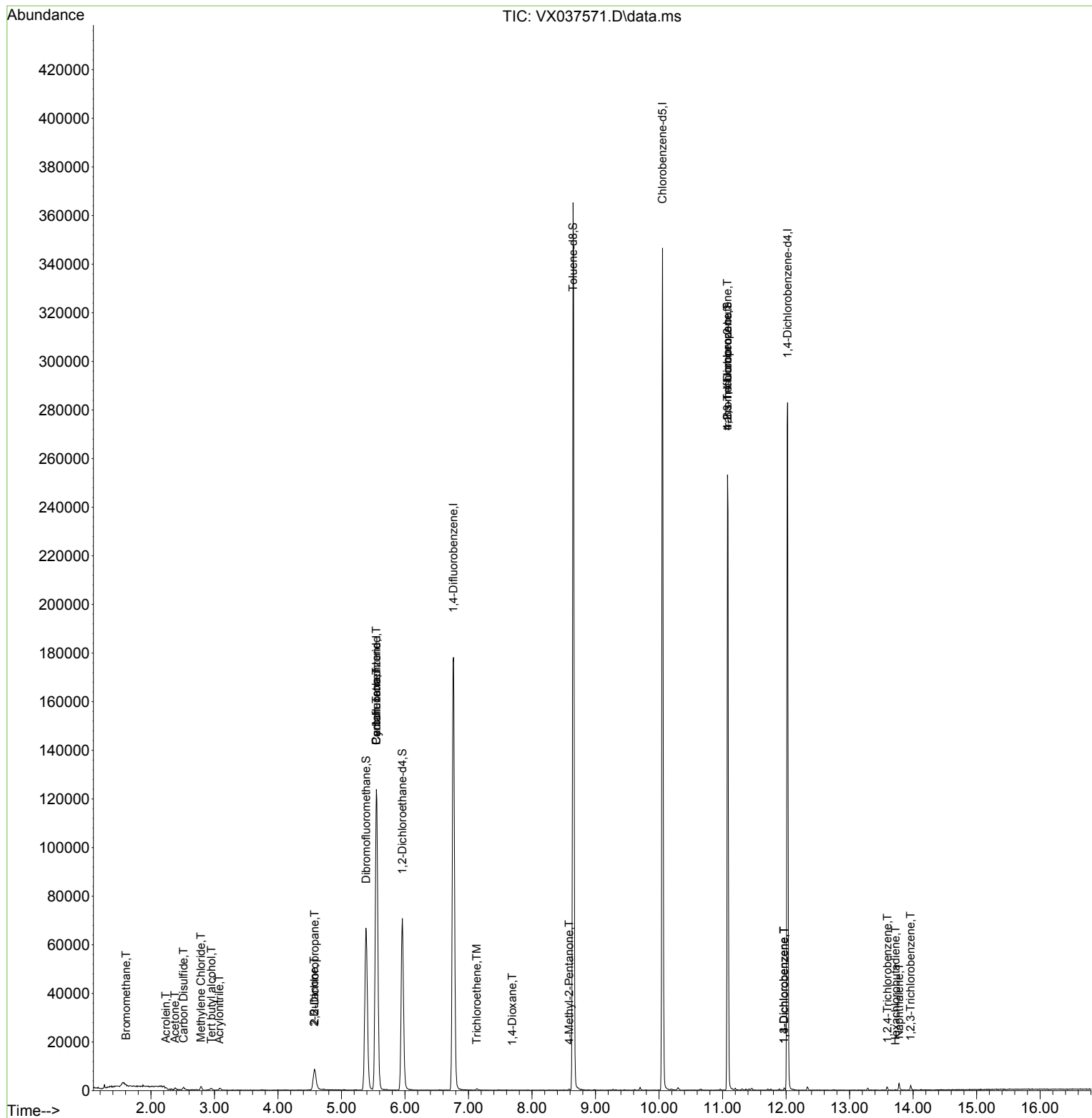
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	118927	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	195481	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	166745	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	63326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	68008	39.665	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	79.340%		
35) Dibromofluoromethane	5.385	113	60511	46.740	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.480%		
50) Toluene-d8	8.647	98	227088	48.357	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.720%		
62) 4-Bromofluorobenzene	11.079	95	73621	39.892	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	79.780%#		
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	191	0.291	ug/l	86
11) Tert butyl alcohol	2.953	59	635	1.579	ug/l #	78
13) Acrolein	2.233	56	376	1.229	ug/l	95
15) Acrylonitrile	3.075	53	367	0.511	ug/l #	79
16) Acetone	2.380	43	791	1.179	ug/l	94
17) Carbon Disulfide	2.514	76	1445	0.464	ug/l	97
20) Methylene Chloride	2.788	84	829	0.553	ug/l #	68
25) 2-Butanone	4.568	43	474	0.469	ug/l #	51
26) 2,2-Dichloropropane	4.574	77	685	0.315	ug/l #	54
31) Cyclohexane	5.550	56	2113	1.096	ug/l #	1
38) Carbon Tetrachloride	5.550	117	12342	6.177	ug/l #	15
44) Trichloroethene	7.129	130	343	0.229	ug/l	50
49) 1,4-Dioxane	7.690	88	26	0.664	ug/l #	12
51) 4-Methyl-2-Pentanone	8.586	43	367	0.203	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	34501	25.582	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	34501	71.452	ug/l #	5
87) 1,3-Dichlorobenzene	11.969	146	487	0.231	ug/l	83
88) 1,4-Dichlorobenzene	11.969	146	487	0.224	ug/l	83
93) 1,2,4-Trichlorobenzene	13.597	180	556	0.461	ug/l	92
94) Hexachlorobutadiene	13.725	225	111	0.238	ug/l #	34
95) Naphthalene	13.780	128	2360	0.447	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	600	0.501	ug/l	83

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
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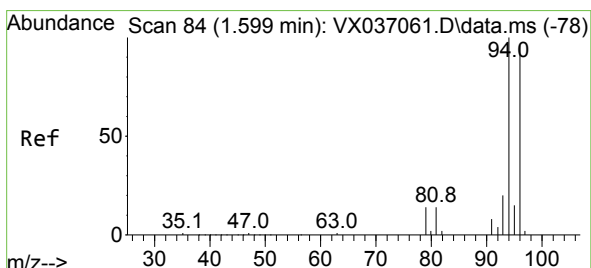
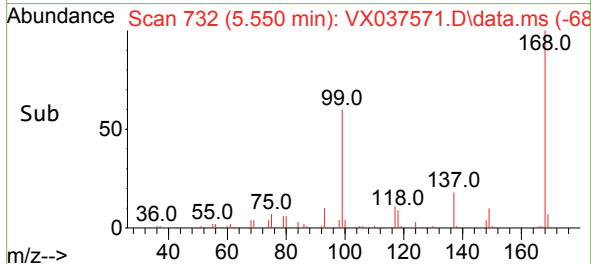
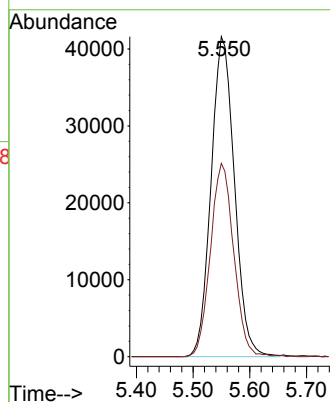
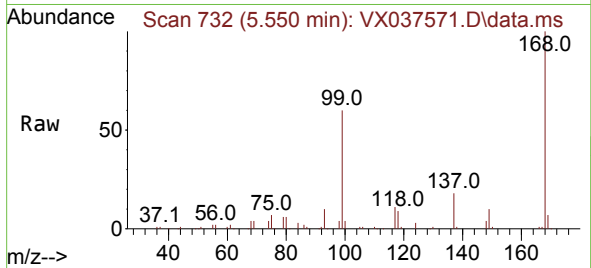




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037571.D
Acq: 07 Sep 2023 11:44

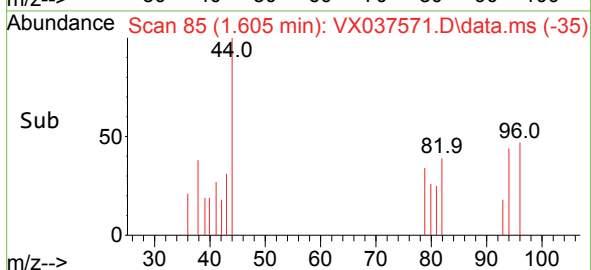
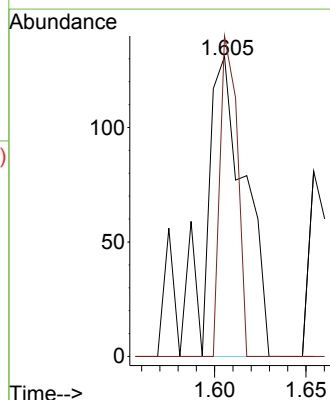
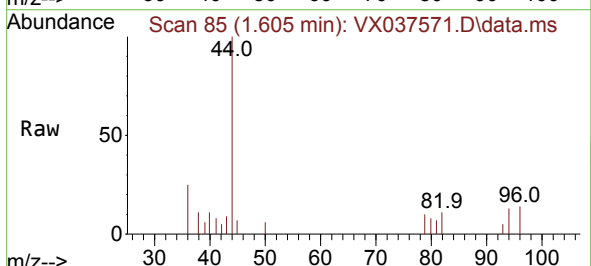
Instrument :
MSVOA_X
ClientSampleId :

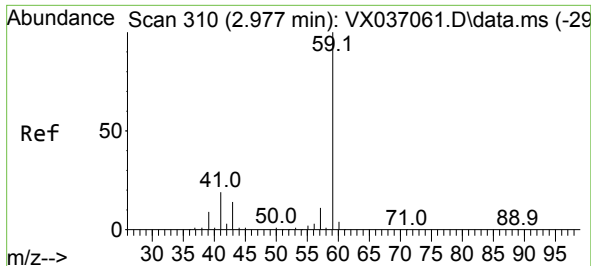
Tgt Ion:168 Resp: 118927
Ion Ratio Lower Upper
168 100
99 60.4 56.6 85.0



#5
Bromomethane
Concen: 0.291 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX037571.D
Acq: 07 Sep 2023 11:44

Tgt Ion: 94 Resp: 191
Ion Ratio Lower Upper
94 100
96 106.9 74.6 111.8





#11

Tert butyl alcohol

Concen: 1.579 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.024 min

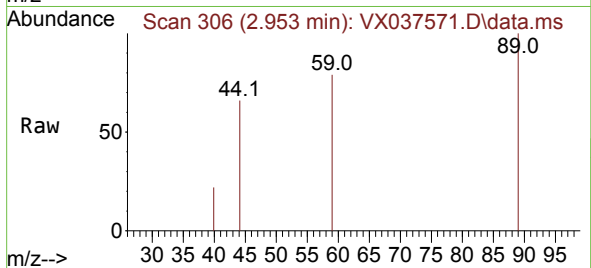
Lab File: VX037571.D

Acq: 07 Sep 2023 11:44

Instrument :

MSVOA_X

ClientSampleId :

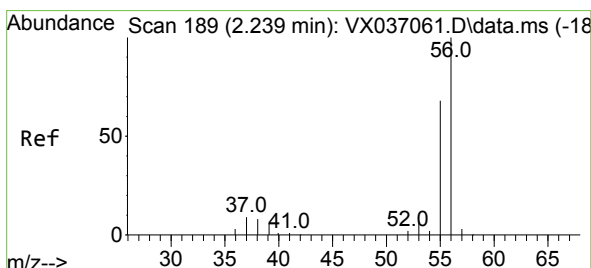
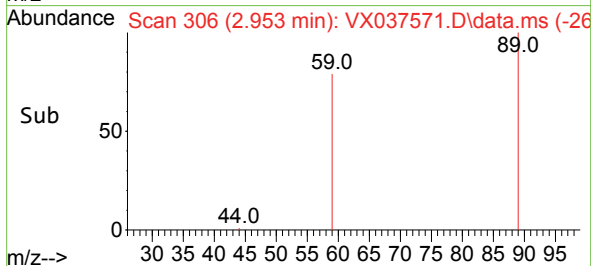
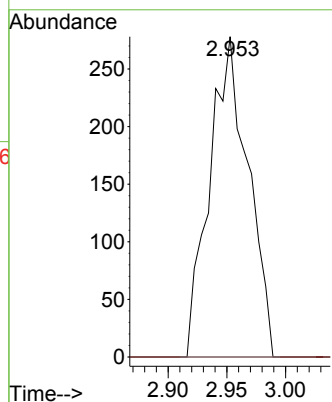


Tgt Ion: 59 Resp: 635

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 1.229 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX037571.D

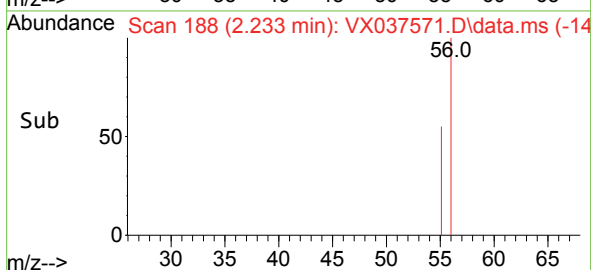
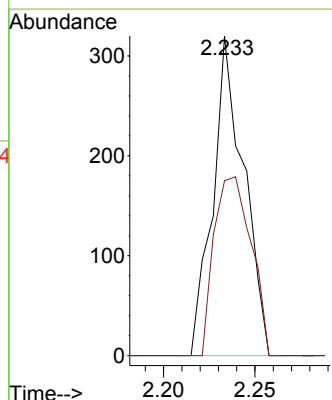
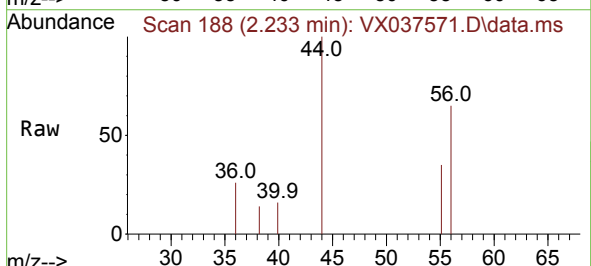
Acq: 07 Sep 2023 11:44

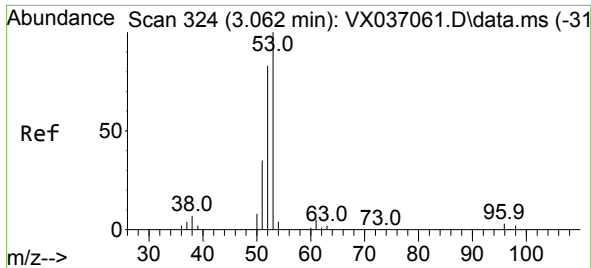
Tgt Ion: 56 Resp: 376

Ion Ratio Lower Upper

56 100

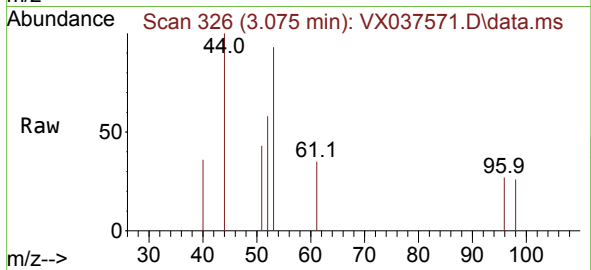
55 67.3 57.1 85.7



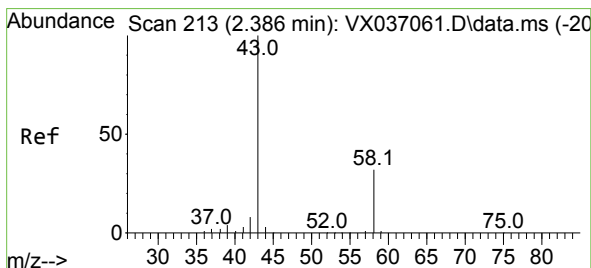
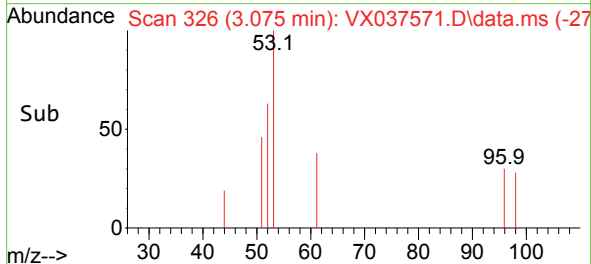
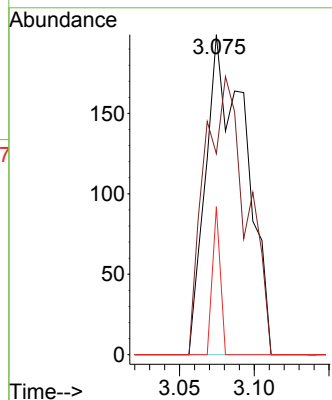


#15
Acrylonitrile
Concen: 0.511 ug/l
RT: 3.075 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX037571.D
Acq: 07 Sep 2023 11:44

Instrument :
MSVOA_X
ClientSampleId :

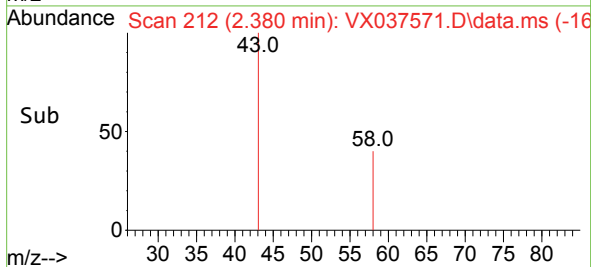
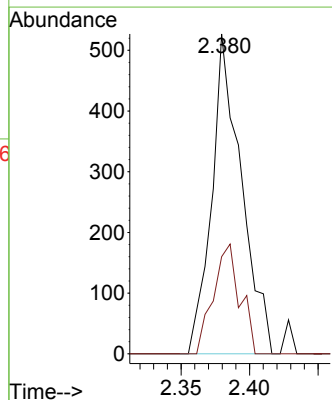
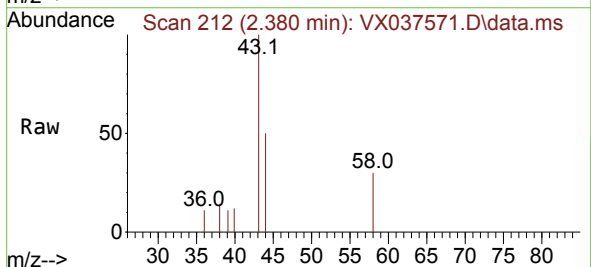


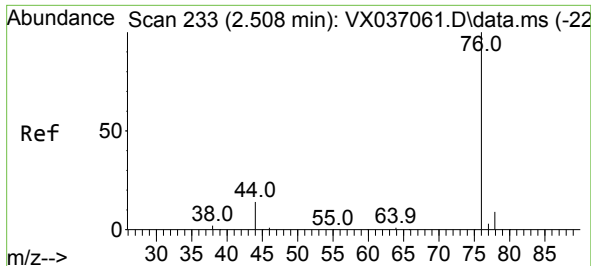
Tgt Ion: 53 Resp: 367
Ion Ratio Lower Upper
53 100
52 91.0 66.0 99.0
51 9.3 29.8 44.6#



#16
Acetone
Concen: 1.179 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX037571.D
Acq: 07 Sep 2023 11:44

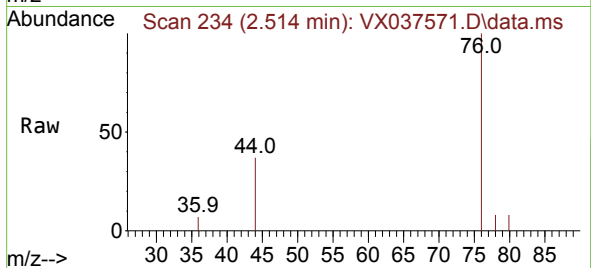
Tgt Ion: 43 Resp: 791
Ion Ratio Lower Upper
43 100
58 30.4 21.9 32.9



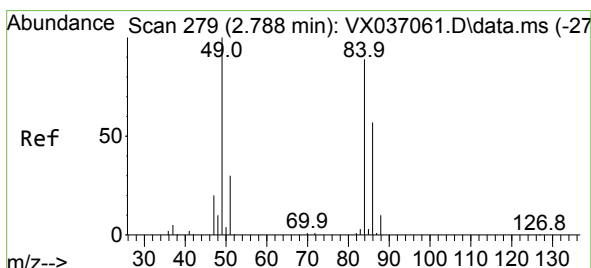
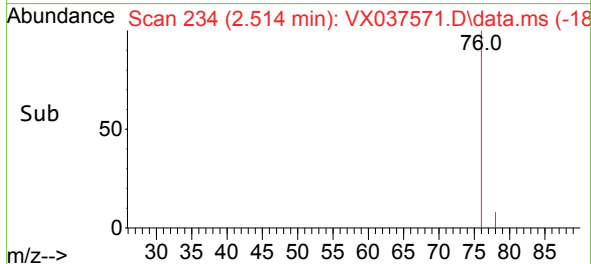
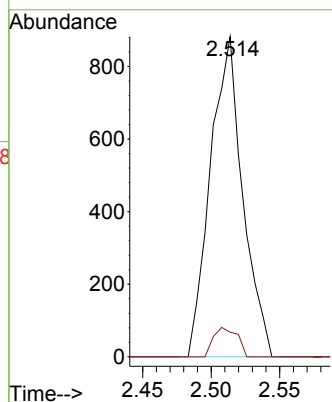


#17
Carbon Disulfide
Concen: 0.464 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX037571.D
Acq: 07 Sep 2023 11:44

Instrument :
MSVOA_X
ClientSampleId :

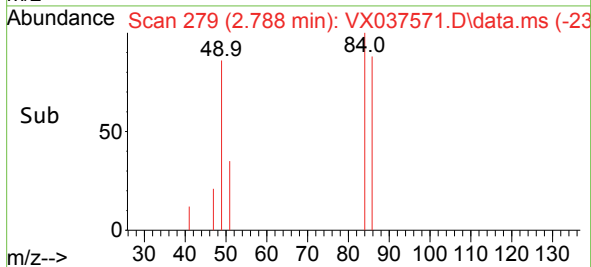
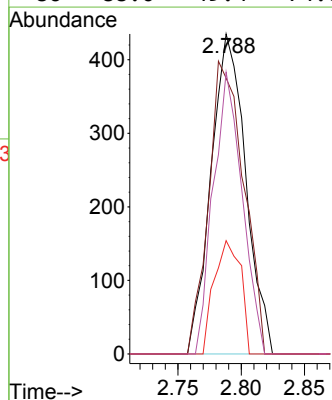
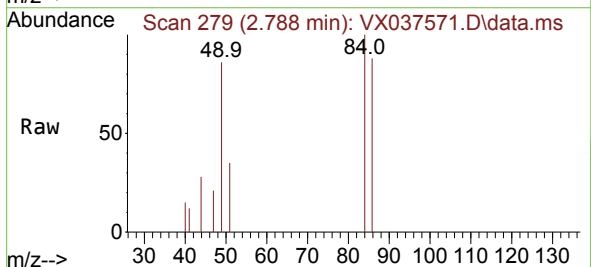


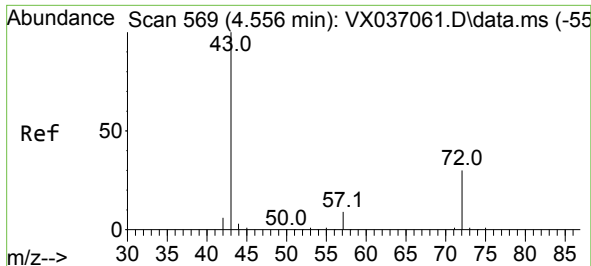
Tgt Ion: 76 Resp: 1445
Ion Ratio Lower Upper
76 100
78 7.7 7.0 10.6



#20
Methylene Chloride
Concen: 0.553 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX037571.D
Acq: 07 Sep 2023 11:44

Tgt Ion: 84 Resp: 829
Ion Ratio Lower Upper
84 100
49 86.2 103.6 155.4#
51 35.4 33.8 50.6
86 88.0 49.4 74.0#

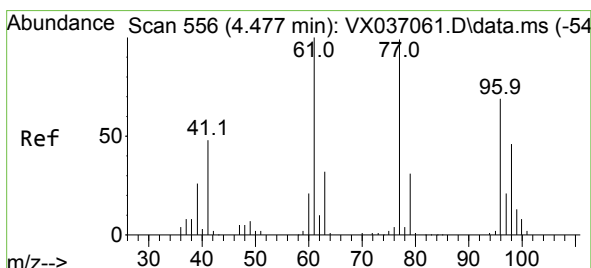
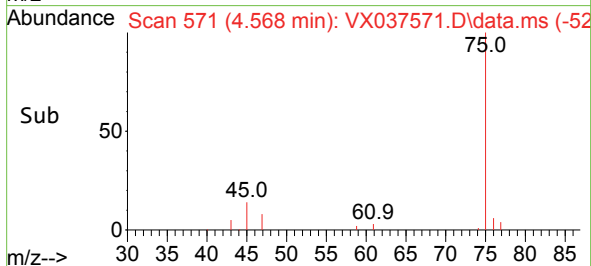
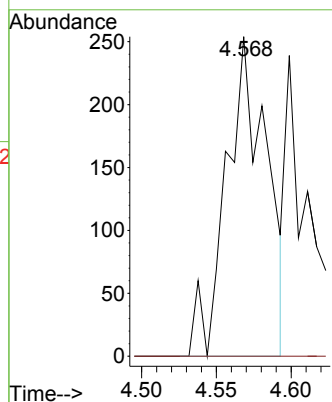
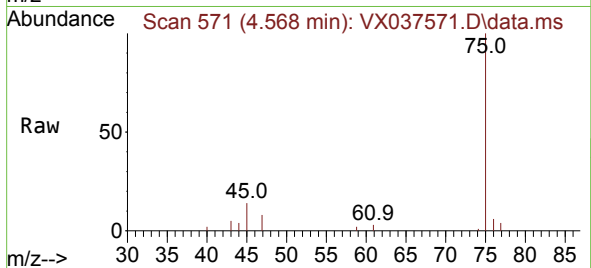




#25
2-Butanone
Concen: 0.469 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX037571.D
Acq: 07 Sep 2023 11:44

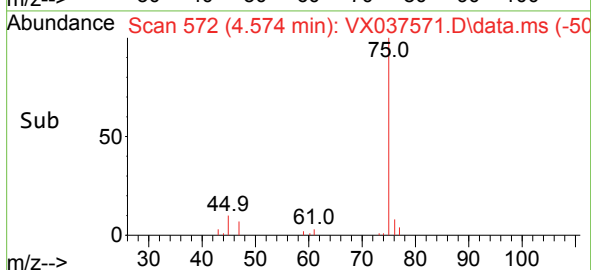
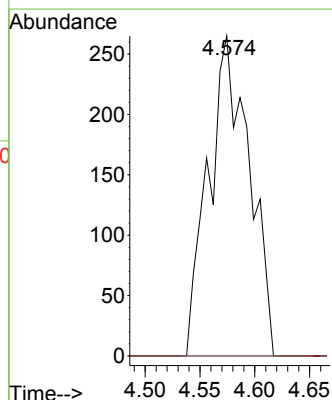
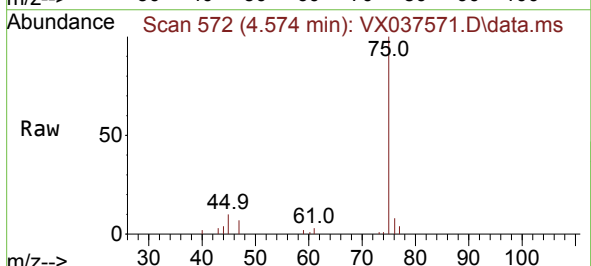
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MSVOA_X
ClientSampleId :

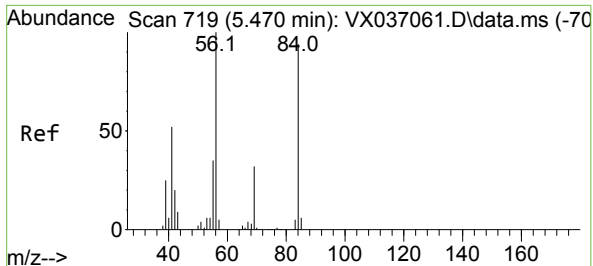
Tgt Ion: 43 Resp: 474
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#26
2,2-Dichloropropane
Concen: 0.315 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.098 min
Lab File: VX037571.D
Acq: 07 Sep 2023 11:44

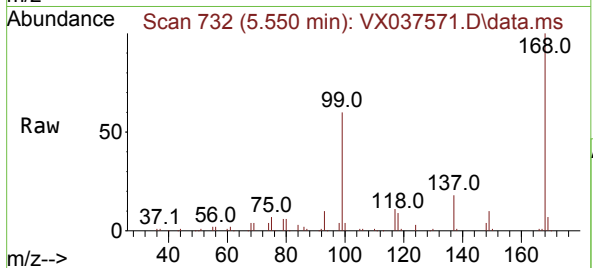
Tgt Ion: 77 Resp: 685
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#



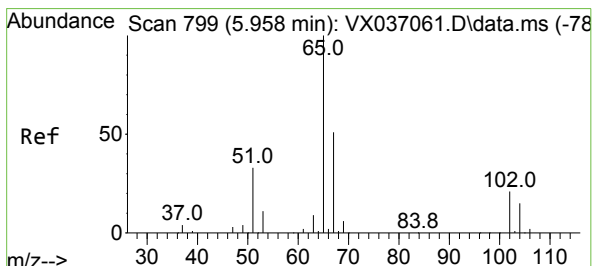
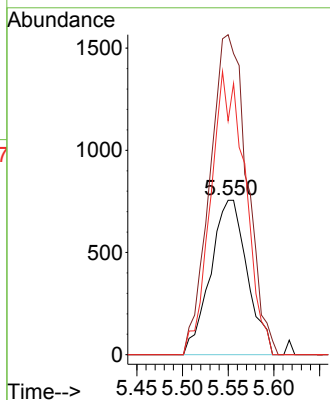
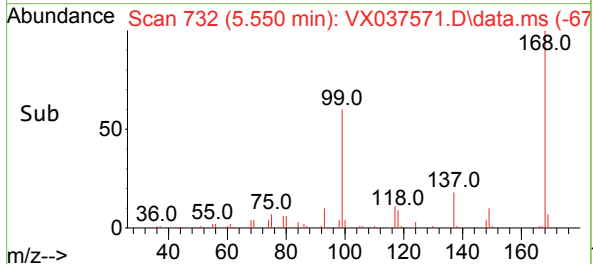


#31
Cyclohexane
Concen: 1.096 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037571.D
Acq: 07 Sep 2023 11:44

Instrument :
MSVOA_X
ClientSampleId :

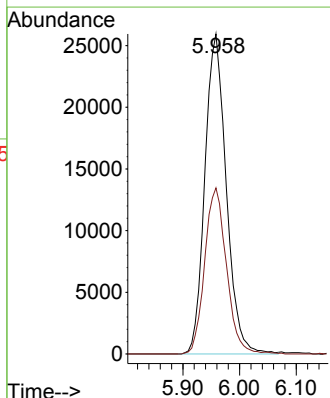
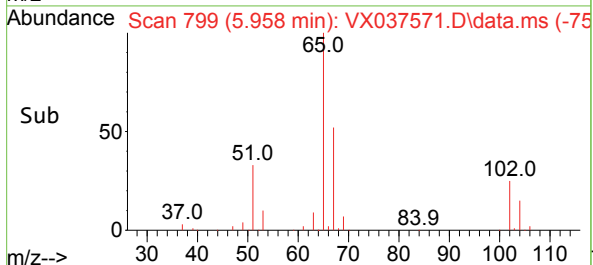
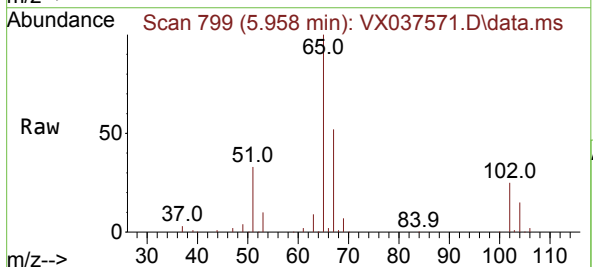


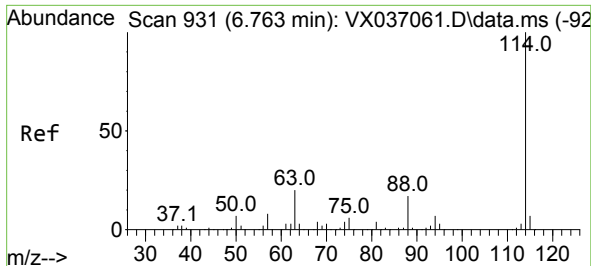
Tgt Ion: 56 Resp: 2113
Ion Ratio Lower Upper
56 100
69 207.1 23.4 35.2#
84 151.5 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 39.665 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037571.D
Acq: 07 Sep 2023 11:44

Tgt Ion: 65 Resp: 68008
Ion Ratio Lower Upper
65 100
67 52.9 0.0 100.2

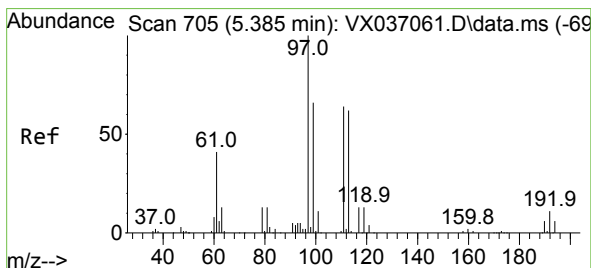
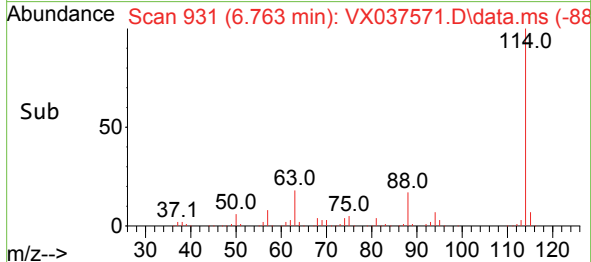
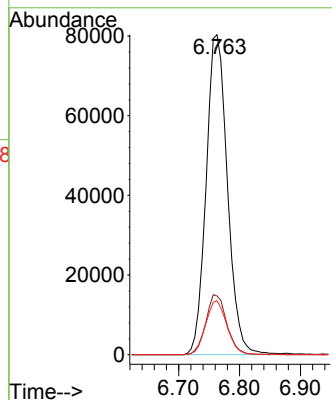
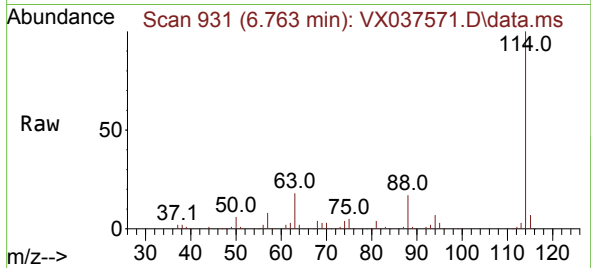




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX037571.D
Acq: 07 Sep 2023 11:44

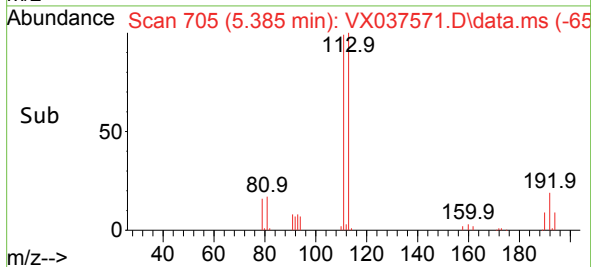
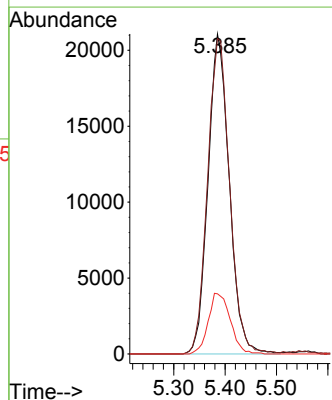
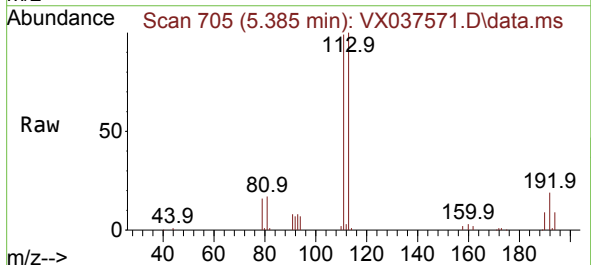
Instrument :
MSVOA_X
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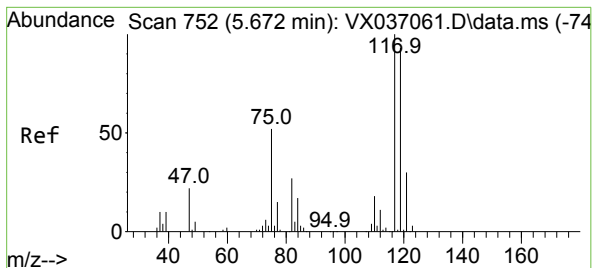
Tgt Ion:114 Resp: 195481
Ion Ratio Lower Upper
114 100
63 18.3 0.0 45.0
88 16.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.740 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037571.D
Acq: 07 Sep 2023 11:44

Tgt Ion:113 Resp: 60511
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 19.7 13.3 19.9





#38

Carbon Tetrachloride

Concen: 6.177 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.122 min

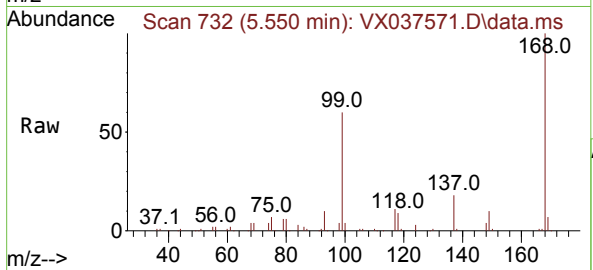
Lab File: VX037571.D

Acq: 07 Sep 2023 11:44

Instrument :

MSVOA_X

ClientSampleId :



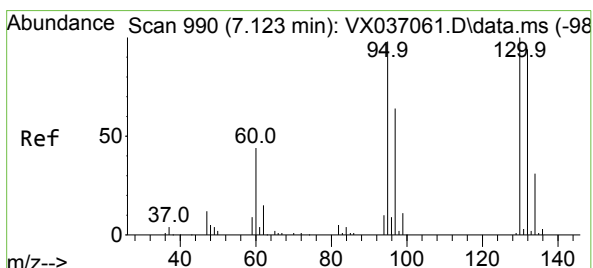
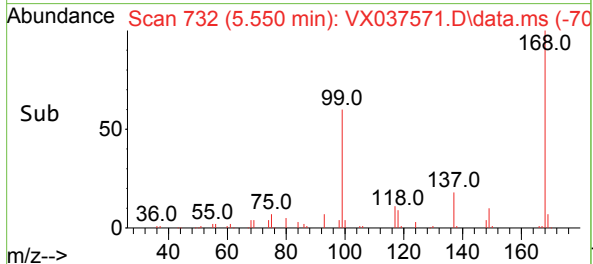
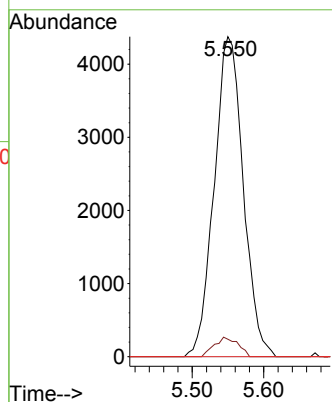
Tgt Ion:117 Resp: 12342

Ion Ratio Lower Upper

117 100

119 5.4 78.2 117.2#

121 0.0 24.4 36.6#



#44

Trichloroethene

Concen: 0.229 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX037571.D

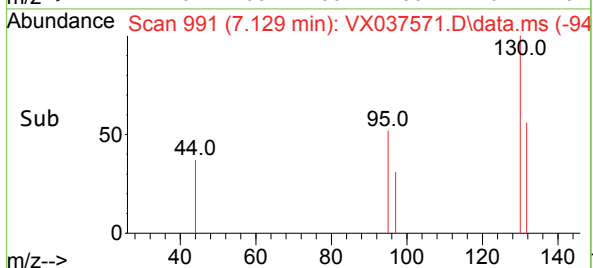
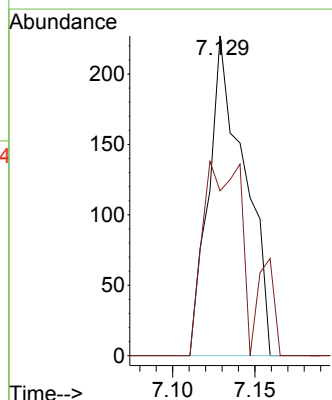
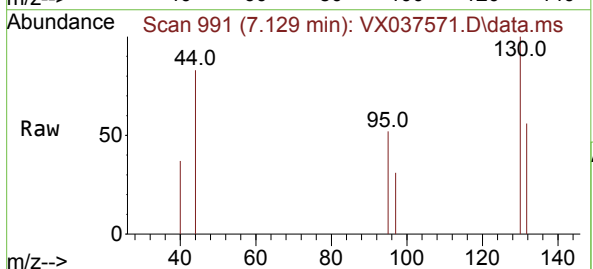
Acq: 07 Sep 2023 11:44

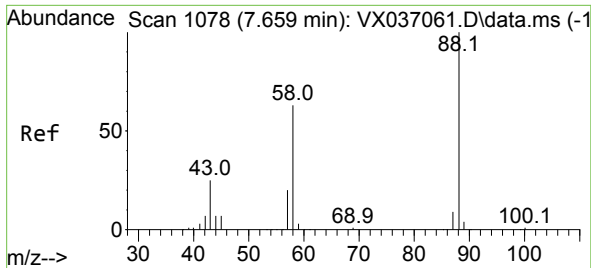
Tgt Ion:130 Resp: 343

Ion Ratio Lower Upper

130 100

95 51.5 0.0 204.4

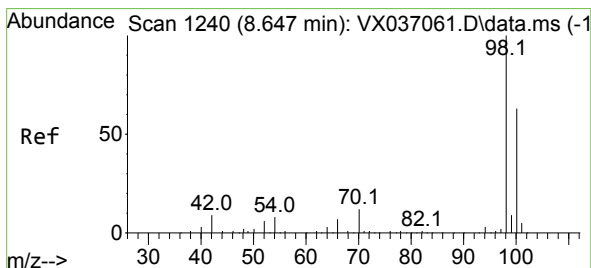
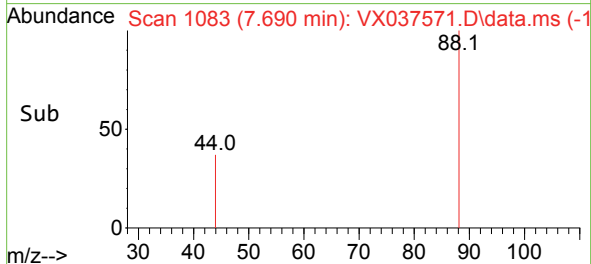
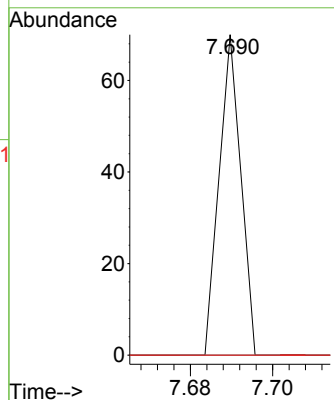
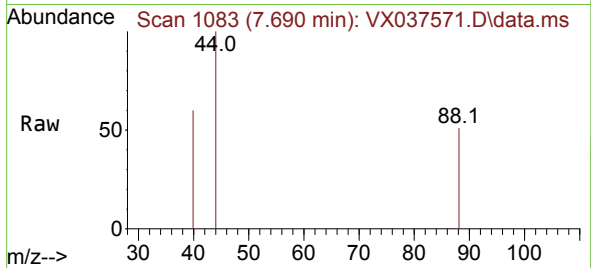




#49
1,4-Dioxane
Concen: 0.664 ug/l
RT: 7.690 min Scan# 1078
Delta R.T. 0.031 min
Lab File: VX037571.D
Acq: 07 Sep 2023 11:44

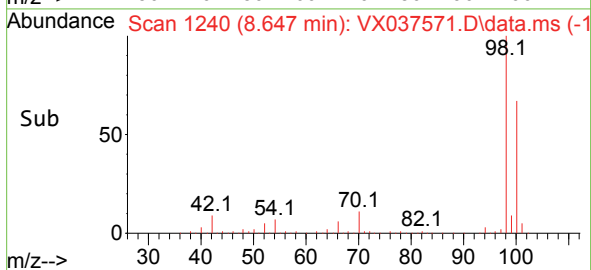
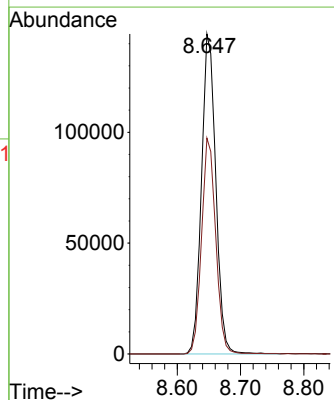
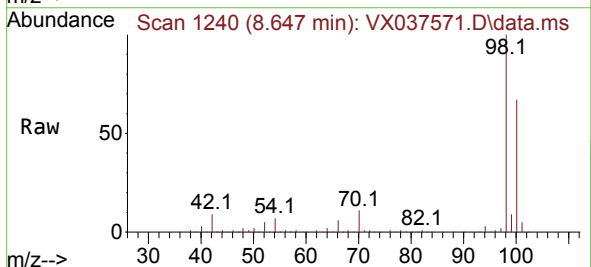
Instrument :
MSVOA_X
ClientSampleId :

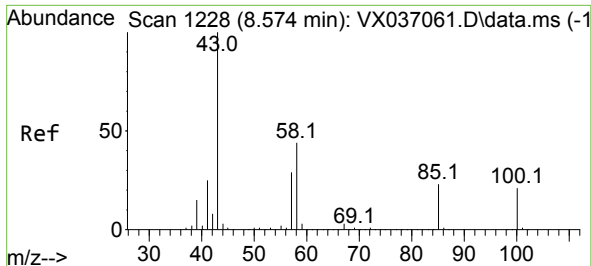
Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#



#50
Toluene-d8
Concen: 48.357 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037571.D
Acq: 07 Sep 2023 11:44

Tgt Ion: 98 Resp: 227088
Ion Ratio Lower Upper
98 100
100 67.0 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.203 ug/l

RT: 8.586 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX037571.D

Acq: 07 Sep 2023 11:44

Instrument :

MSVOA_X

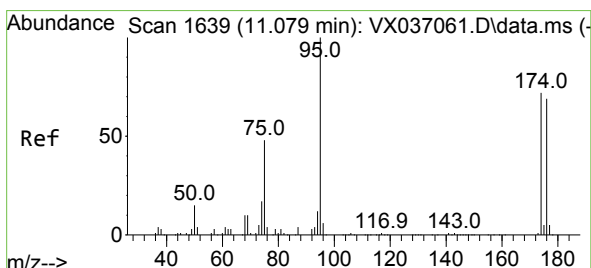
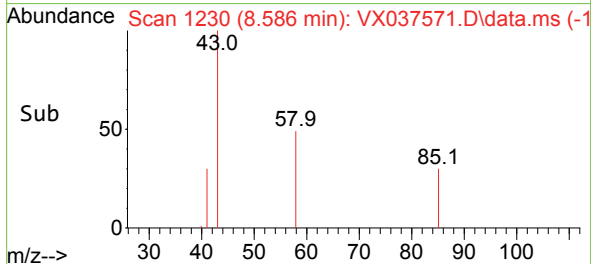
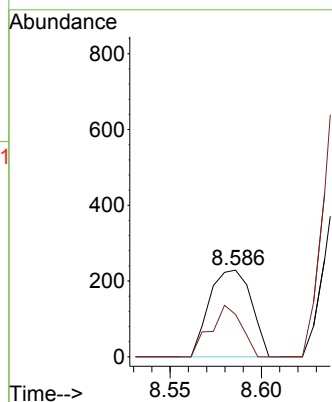
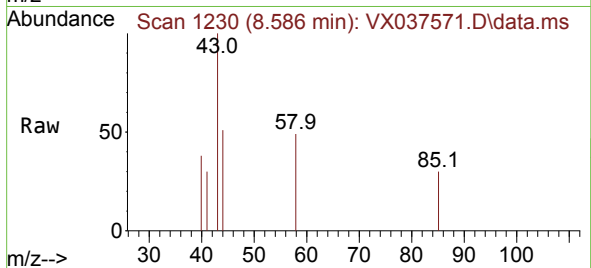
ClientSampleId :

Tgt Ion: 43 Resp: 367

Ion Ratio Lower Upper

43 100

58 43.6 30.4 45.6



#62

4-Bromofluorobenzene

Concen: 39.892 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX037571.D

Acq: 07 Sep 2023 11:44

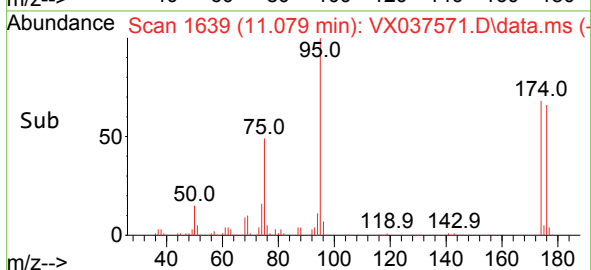
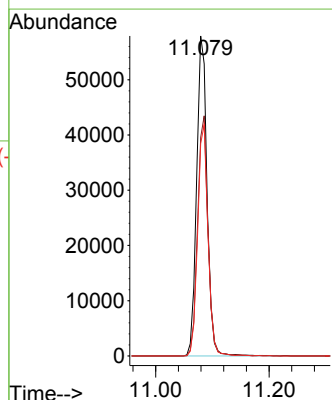
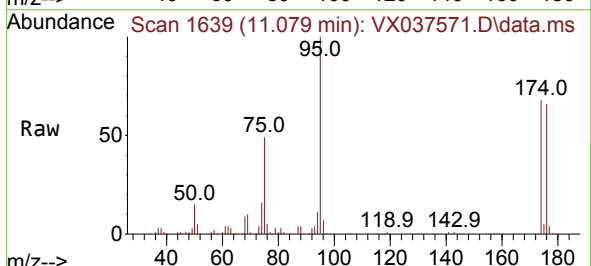
Tgt Ion: 95 Resp: 73621

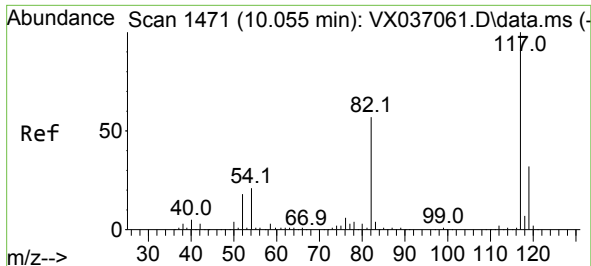
Ion Ratio Lower Upper

95 100

174 75.2 0.0 135.6

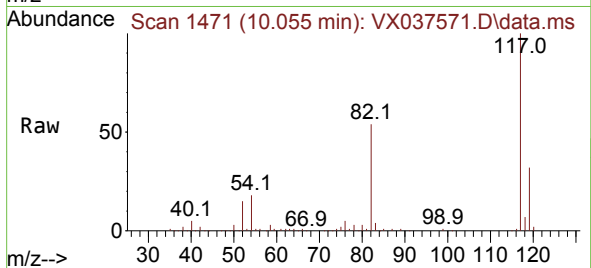
176 71.6 0.0 131.0



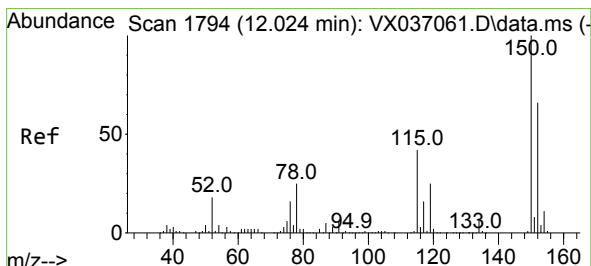
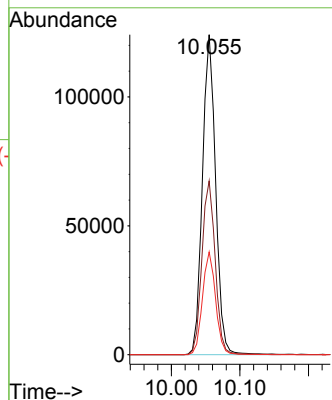
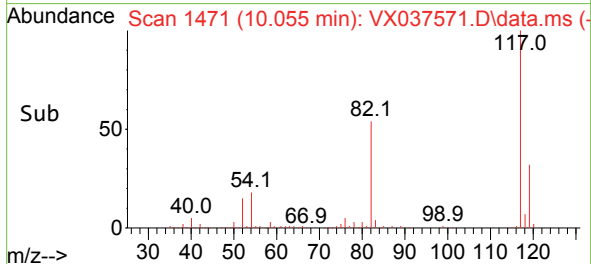


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037571.D
Acq: 07 Sep 2023 11:44

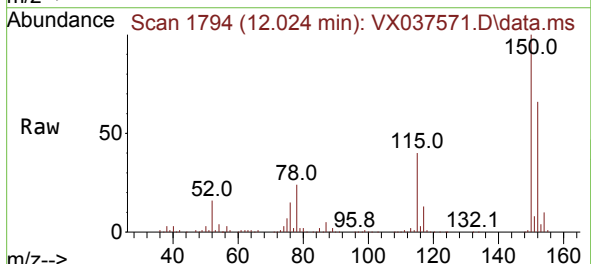
Instrument :
MSVOA_X
ClientSampleId :



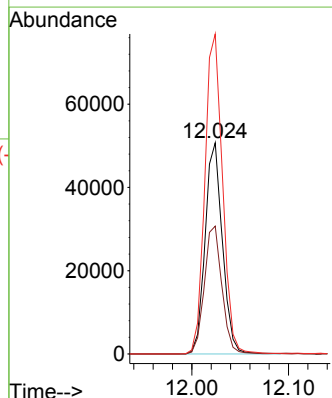
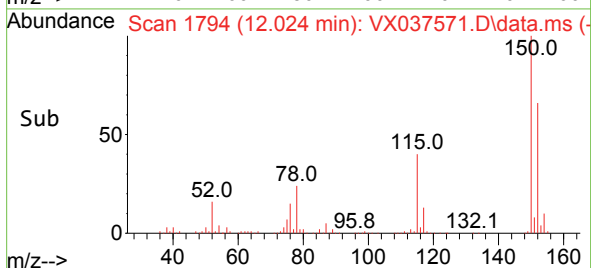
Tgt Ion:117 Resp: 166745
Ion Ratio Lower Upper
117 100
82 54.3 46.2 69.4
119 32.1 25.5 38.3

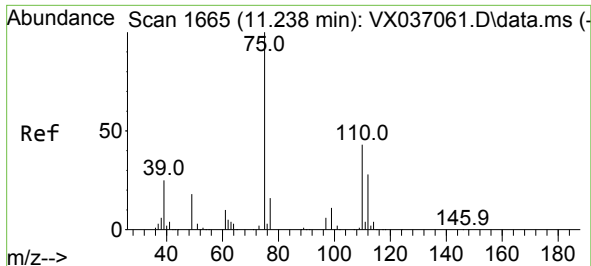


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037571.D
Acq: 07 Sep 2023 11:44



Tgt Ion:152 Resp: 63326
Ion Ratio Lower Upper
152 100
115 61.6 43.3 129.9
150 155.2 0.0 345.0

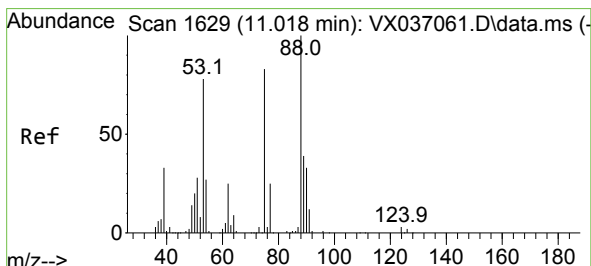
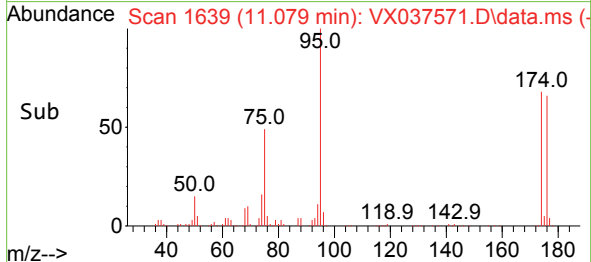
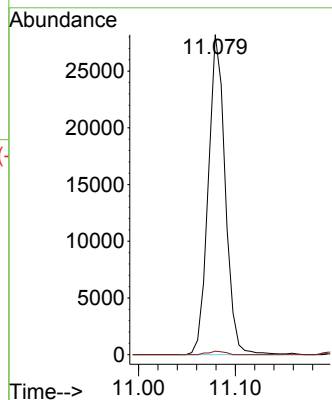
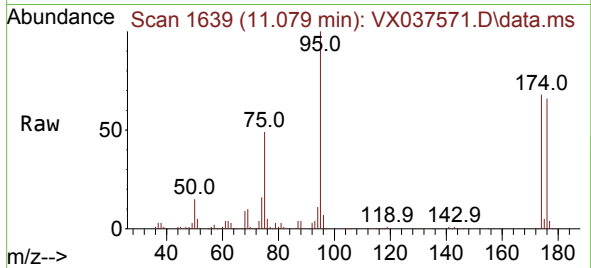




#76
1,2,3-Trichloropropane
Concen: 25.582 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX037571.D
Acq: 07 Sep 2023 11:44

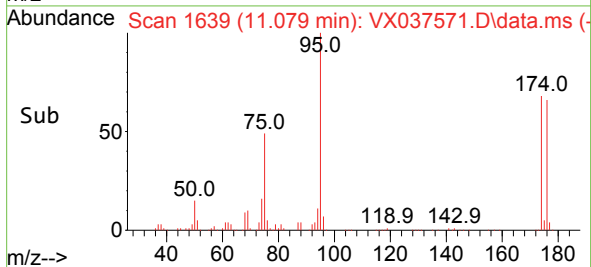
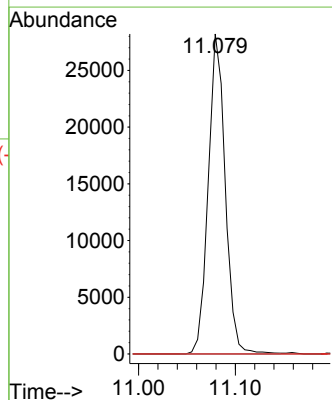
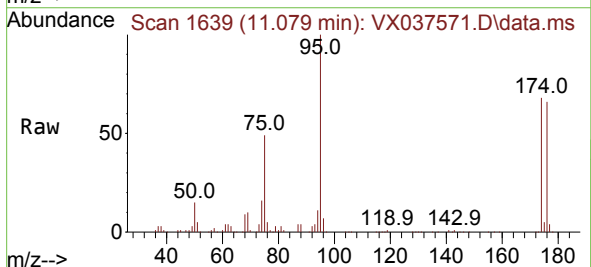
Instrument :
MSVOA_X
ClientSampleId :

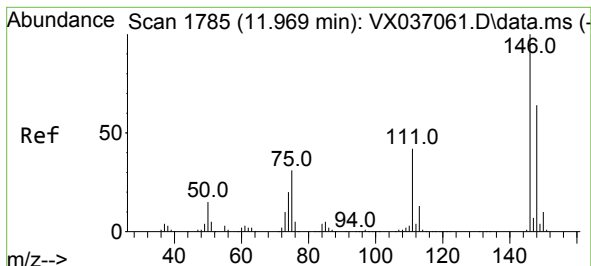
Tgt Ion: 75 Resp: 34501
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.452 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037571.D
Acq: 07 Sep 2023 11:44

Tgt Ion: 75 Resp: 34501
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: 0.231 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX037571.D

Acq: 07 Sep 2023 11:44

Instrument :

MSVOA_X

ClientSampleId :

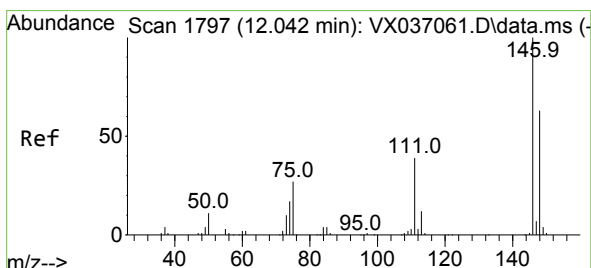
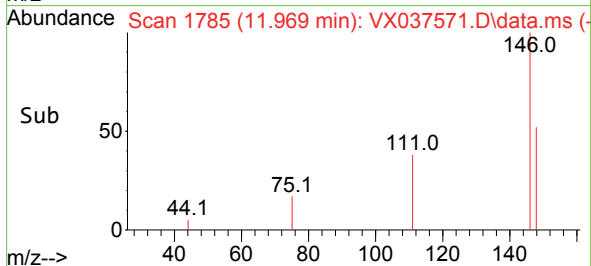
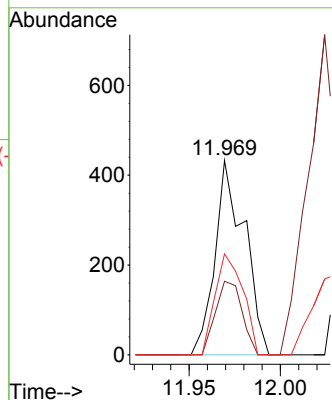
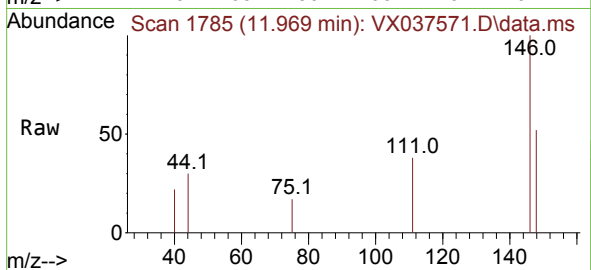
Tgt Ion:146 Resp: 487

Ion Ratio Lower Upper

146 100

111 34.1 22.1 66.1

148 48.9 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.224 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.073 min

Lab File: VX037571.D

Acq: 07 Sep 2023 11:44

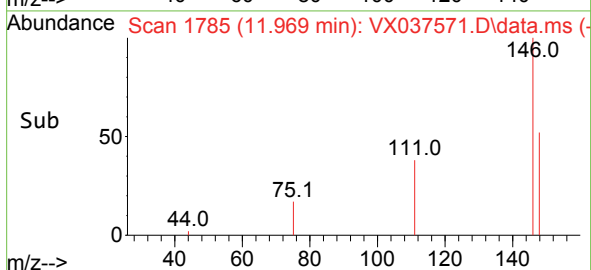
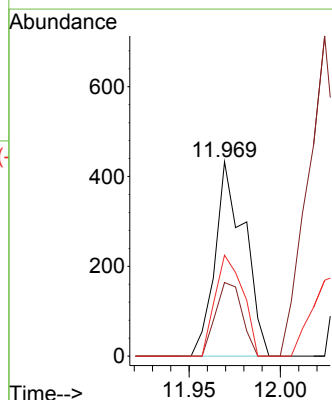
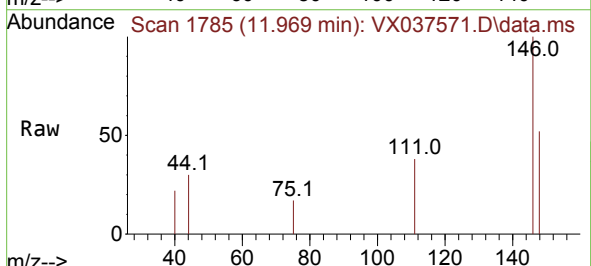
Tgt Ion:146 Resp: 487

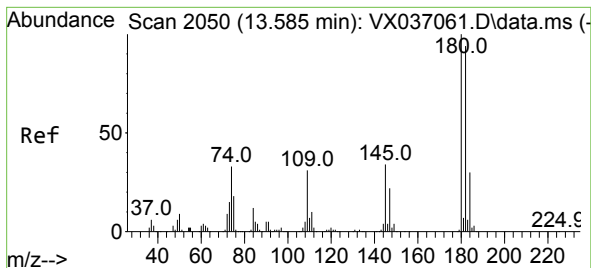
Ion Ratio Lower Upper

146 100

111 34.1 21.3 63.7

148 48.9 31.8 95.4





#93

1,2,4-Trichlorobenzene

Concen: 0.461 ug/l

RT: 13.597 min Scan# 2050

Delta R.T. 0.012 min

Lab File: VX037571.D

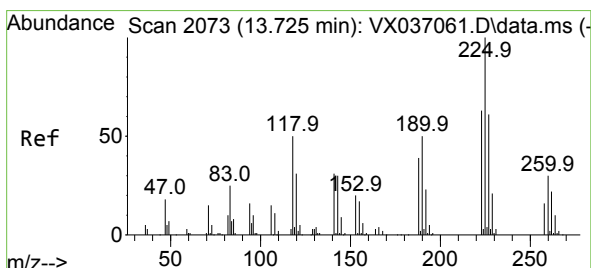
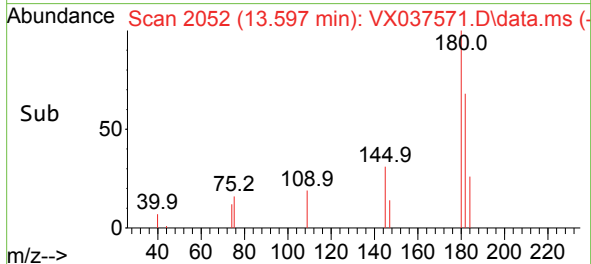
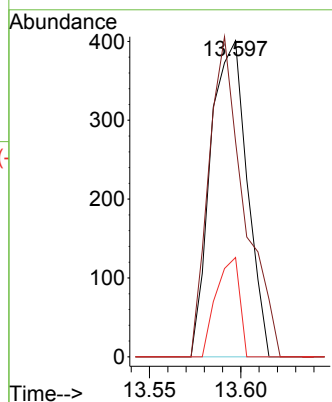
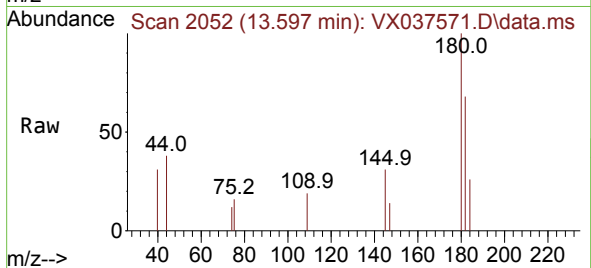
Acq: 07 Sep 2023 11:44

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180	Resp:	556
Ion	Ratio	Lower Upper
180	100	
182	97.8	48.3 144.8
145	20.3	18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.238 ug/l

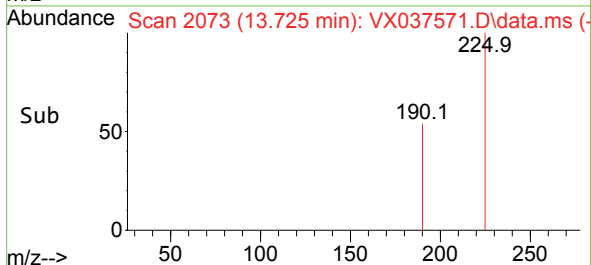
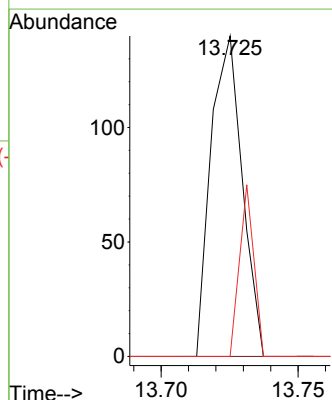
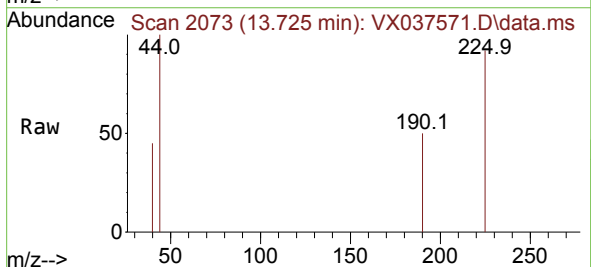
RT: 13.725 min Scan# 2073

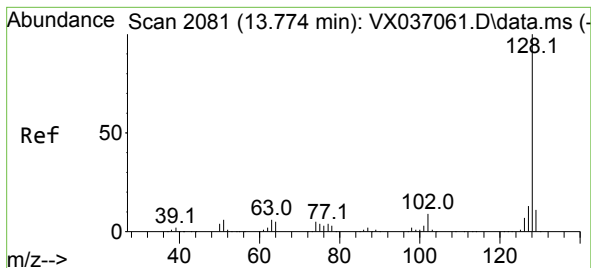
Delta R.T. 0.000 min

Lab File: VX037571.D

Acq: 07 Sep 2023 11:44

Tgt Ion:225	Resp:	111
Ion	Ratio	Lower Upper
225	100	
223	0.0	31.1 93.2#
227	24.3	32.5 97.5#





#95

Naphthalene

Concen: 0.447 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

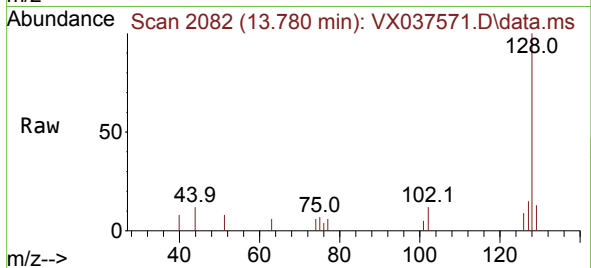
Lab File: VX037571.D

Acq: 07 Sep 2023 11:44

Instrument :

MSVOA_X

ClientSampleId :



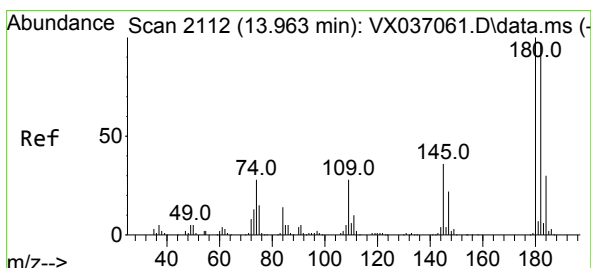
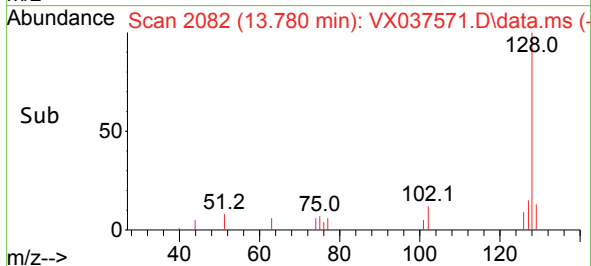
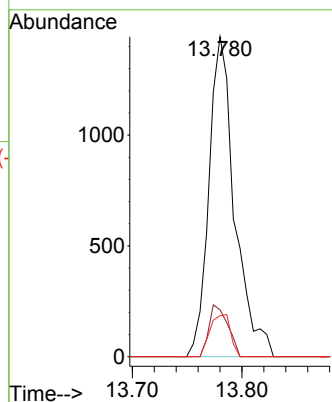
Tgt Ion:128 Resp: 2360

Ion Ratio Lower Upper

128 100

127 11.9 10.3 15.5

129 10.5 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.501 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX037571.D

Acq: 07 Sep 2023 11:44

Tgt Ion:180 Resp: 600

Ion Ratio Lower Upper

180 100

182 109.7 46.9 140.6

145 46.3 17.8 53.5

