

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092623\
 Data File : VY015709.D
 Acq On : 26 Sep 2023 15:15
 Operator : SY/MD
 Sample : 04597-01
 Misc : 4.86g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 27 01:32:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

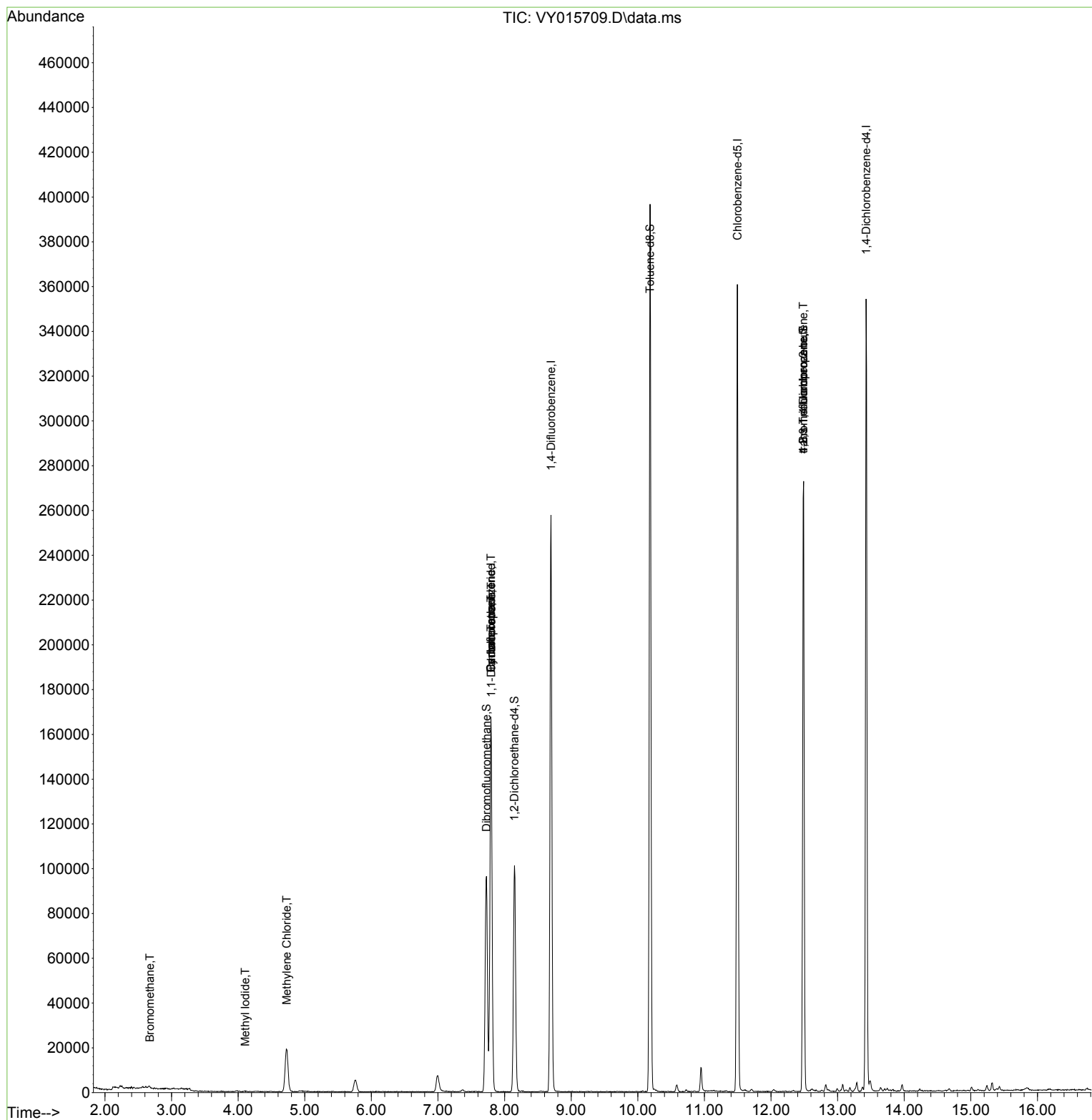
Internal Standards						
1) Pentafluorobenzene	7.795	168	127937	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	218126	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.495	117	197636	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	89527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	79964	56.806	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.620%	
35) Dibromofluoromethane	7.728	113	69829	53.486	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.980%	
50) Toluene-d8	10.185	98	256344	57.909	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 115.820%	
62) 4-Bromofluorobenzene	12.483	95	83281	47.940	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.880%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.674	94	305	2.796	ug/l	83
10) Methyl Iodide	4.106	142	176	2.840	ug/l #	38
11) Tert butyl alcohol	4.954	59	194	Below Cal	#	89
20) Methylene Chloride	4.728	84	15337	4.934	ug/l #	89
31) Cyclohexane	7.795	56	2609	1.338	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	10424	5.400	ug/l #	49
38) Carbon Tetrachloride	7.795	117	13264	6.330	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	44363	31.061	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	44363	69.946	ug/l #	10

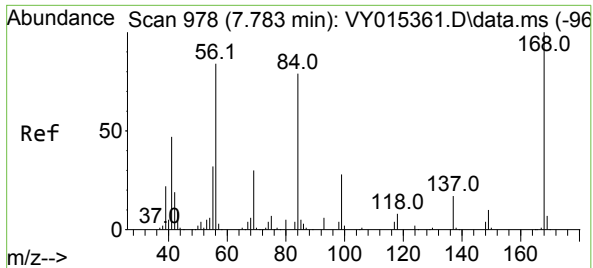
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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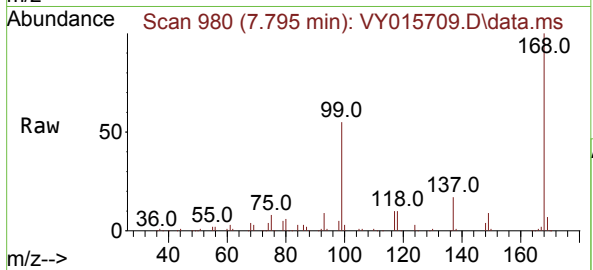
Quant Time: Sep 27 01:32:46 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260
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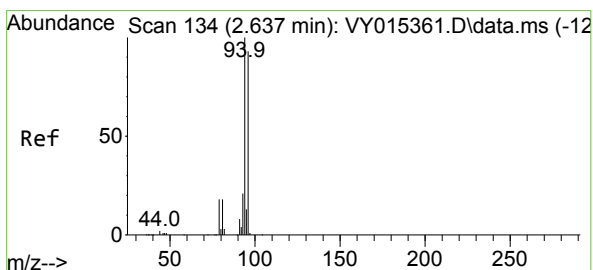
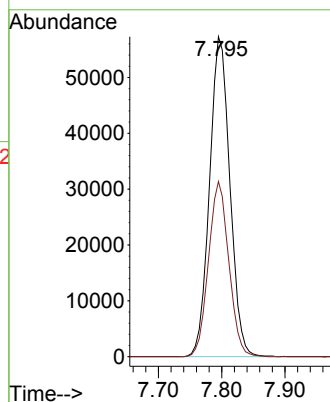
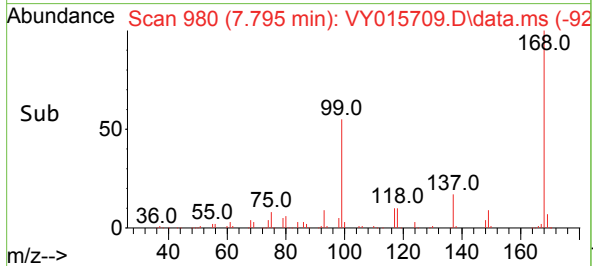


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015709.D
Acq: 26 Sep 2023 15:15

Instrument :
MSVOA_Y
ClientSampleId :

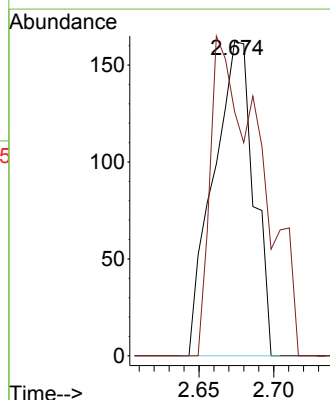
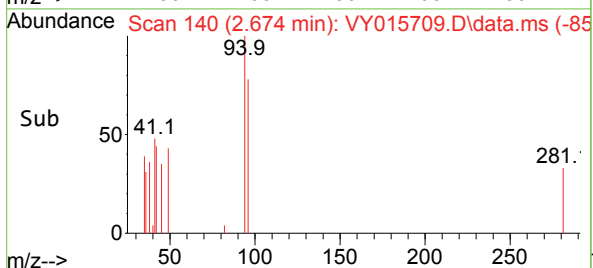
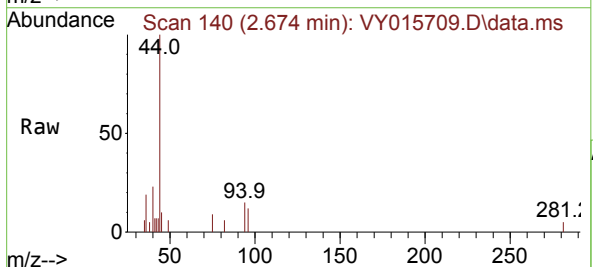


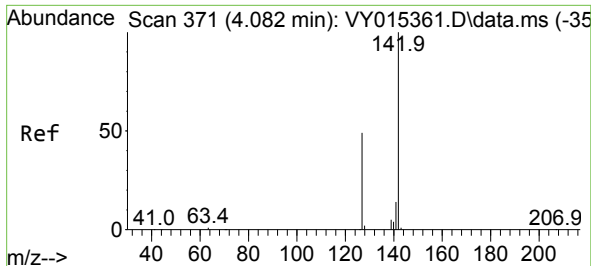
Tgt Ion:168 Resp: 127937
Ion Ratio Lower Upper
168 100
99 54.7 43.4 65.0



#5
Bromomethane
Concen: 2.796 ug/l
RT: 2.674 min Scan# 140
Delta R.T. 0.037 min
Lab File: VY015709.D
Acq: 26 Sep 2023 15:15

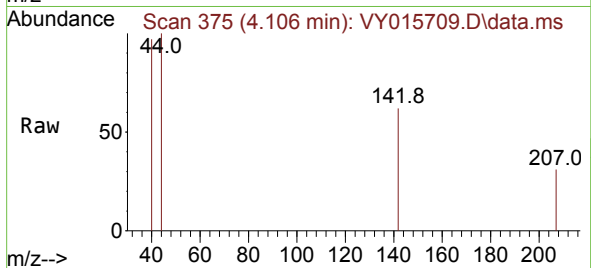
Tgt Ion: 94 Resp: 305
Ion Ratio Lower Upper
94 100
96 77.8 75.8 113.6



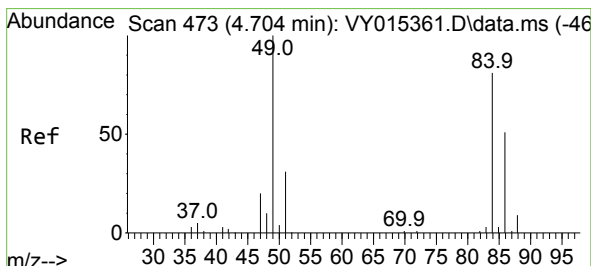
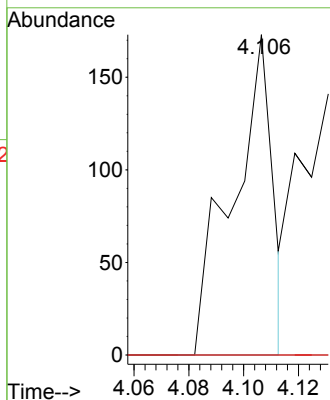
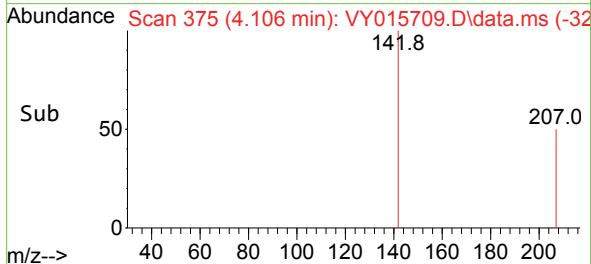


#10
Methyl Iodide
Concen: 2.840 ug/l
RT: 4.106 min Scan# 31
Delta R.T. 0.024 min
Lab File: VY015709.D
Acq: 26 Sep 2023 15:15

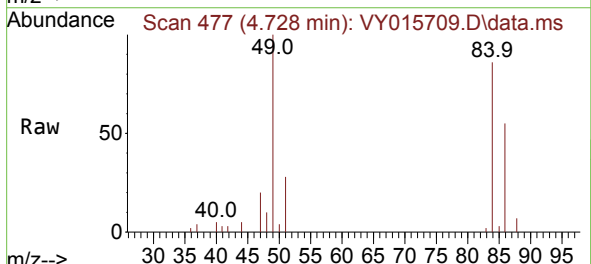
Instrument :
MSVOA_Y
ClientSampleId :



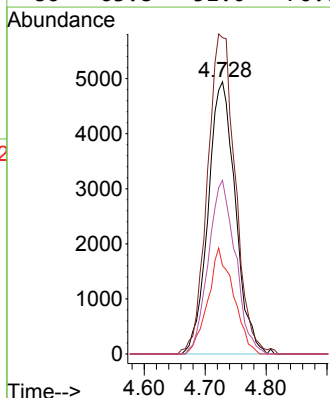
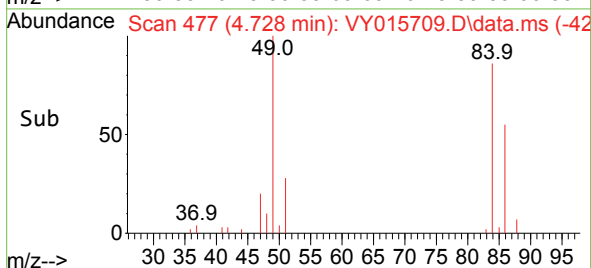
Tgt Ion:142 Resp: 176
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

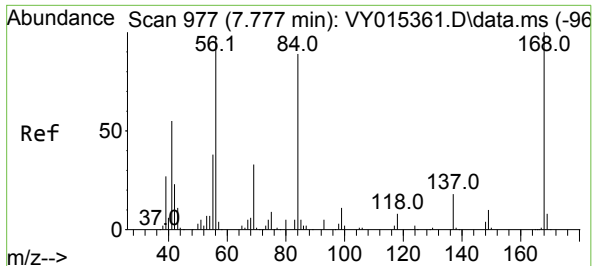


#20
Methylene Chloride
Concen: 4.934 ug/l
RT: 4.728 min Scan# 477
Delta R.T. 0.024 min
Lab File: VY015709.D
Acq: 26 Sep 2023 15:15



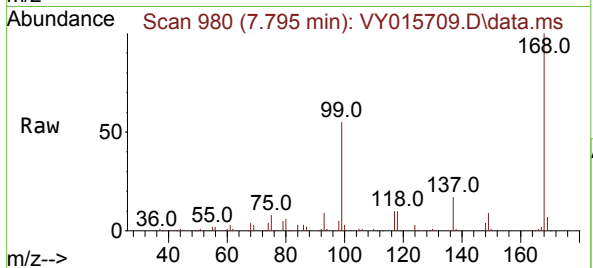
Tgt Ion: 84 Resp: 15337
Ion Ratio Lower Upper
84 100
49 116.2 106.9 160.3
51 32.5 33.2 49.8#
86 63.8 51.0 76.6



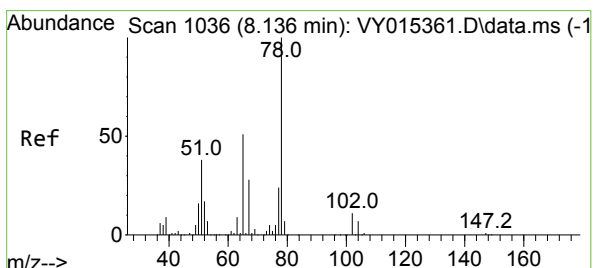
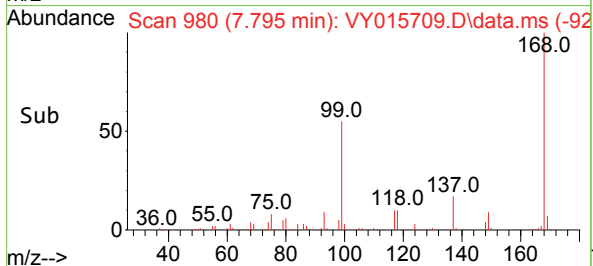
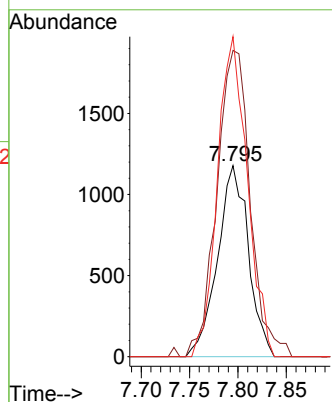


#31
Cyclohexane
Concen: 1.338 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015709.D
Acq: 26 Sep 2023 15:15

Instrument :
MSVOA_Y
ClientSampleId :

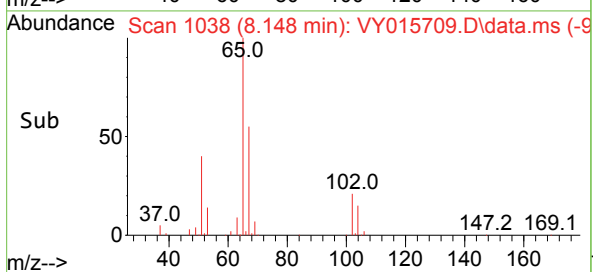
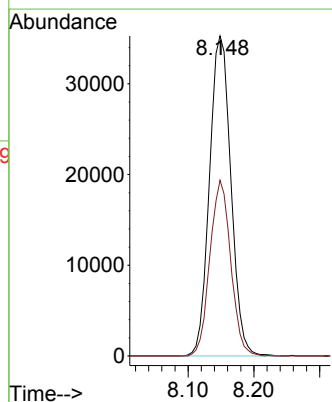
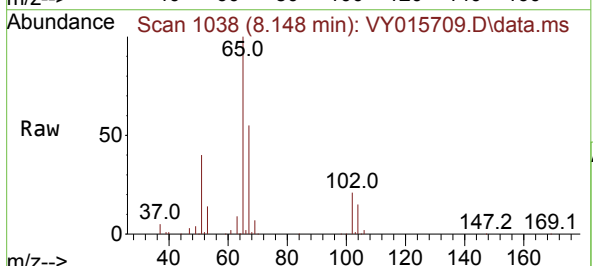


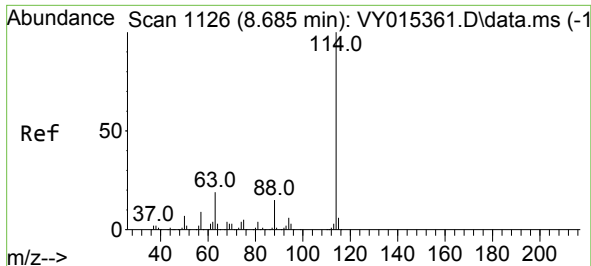
Tgt Ion: 56 Resp: 2609
Ion Ratio Lower Upper
56 100
69 160.3 27.8 41.6#
84 167.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 56.806 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. 0.012 min
Lab File: VY015709.D
Acq: 26 Sep 2023 15:15

Tgt Ion: 65 Resp: 79964
Ion Ratio Lower Upper
65 100
67 53.4 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.012 min

Lab File: VY015709.D

Acq: 26 Sep 2023 15:15

Instrument :

MSVOA_Y

ClientSampleId :

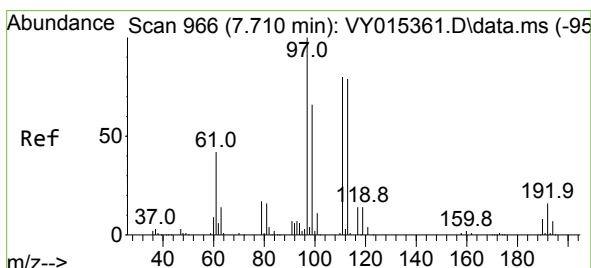
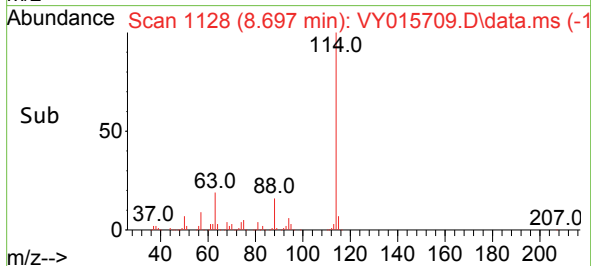
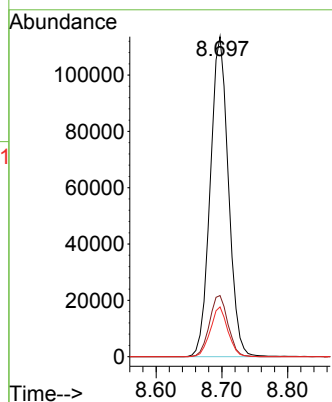
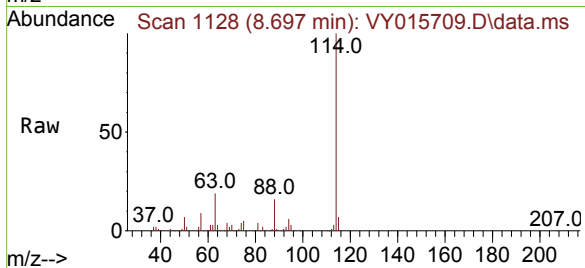
Tgt Ion:114 Resp: 218126

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 15.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.486 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY015709.D

Acq: 26 Sep 2023 15:15

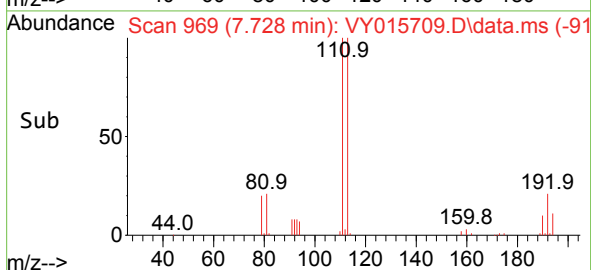
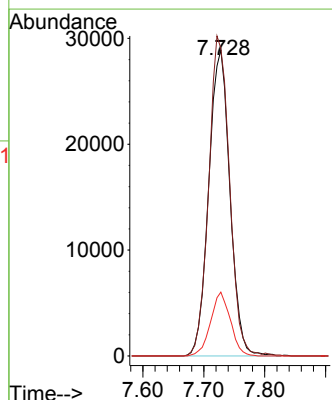
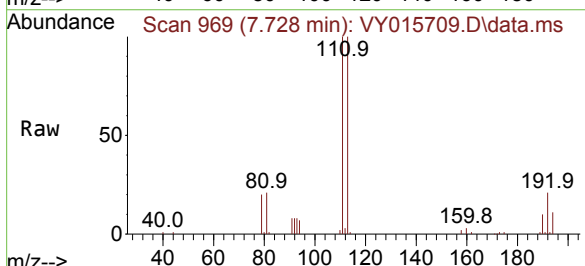
Tgt Ion:113 Resp: 69829

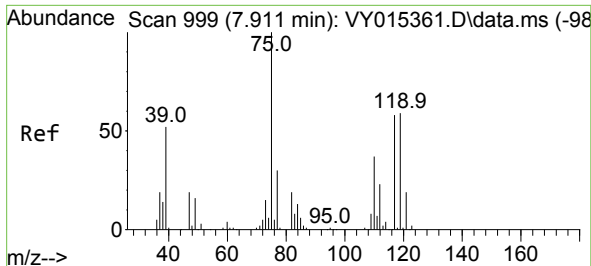
Ion Ratio Lower Upper

113 100

111 102.9 81.3 121.9

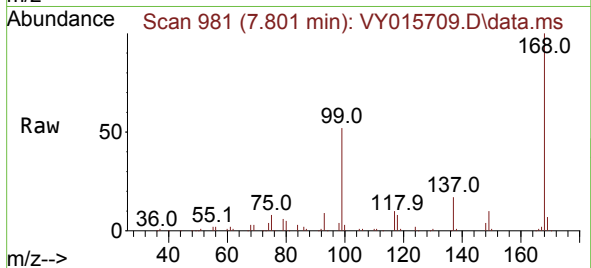
192 19.5 16.9 25.3



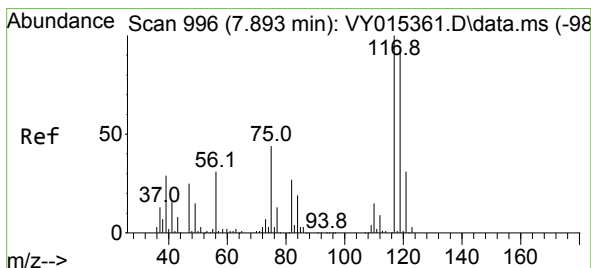
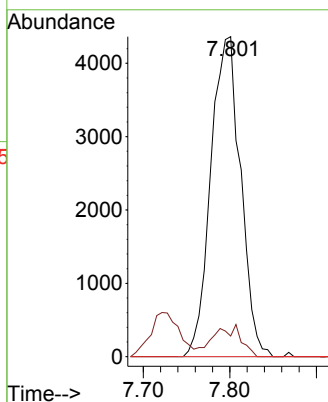
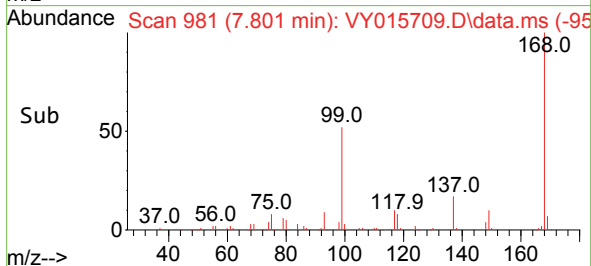


#36
 1,1-Dichloropropene
 Concen: 5.400 ug/l
 RT: 7.801 min Scan# 91
 Delta R.T. -0.110 min
 Lab File: VY015709.D
 Acq: 26 Sep 2023 15:15

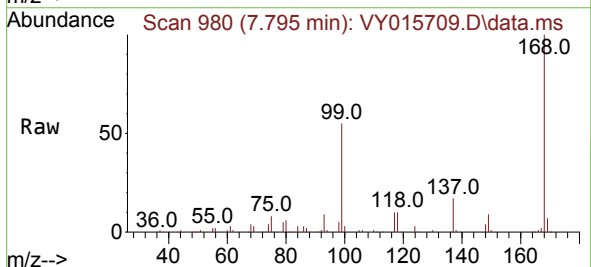
Instrument :
 MSVOA_Y
 ClientSampleId :



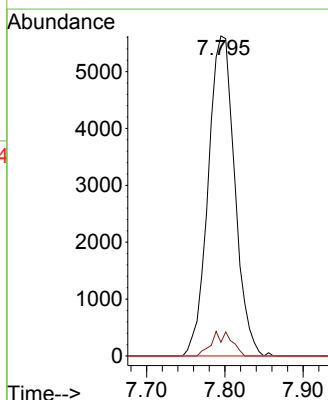
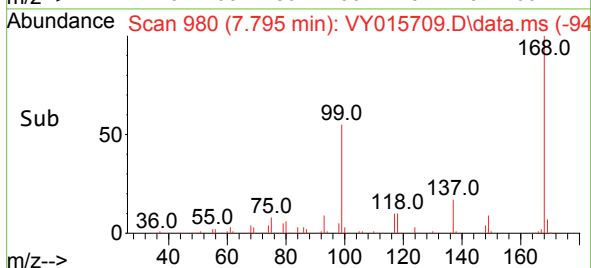
Tgt Ion: 75 Resp: 10424
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.8 53.5#
 77 0.0 24.4 36.6#

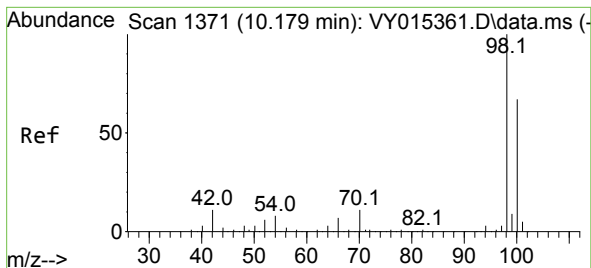


#38
 Carbon Tetrachloride
 Concen: 6.330 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.098 min
 Lab File: VY015709.D
 Acq: 26 Sep 2023 15:15



Tgt Ion: 117 Resp: 13264
 Ion Ratio Lower Upper
 117 100
 119 4.3 76.4 114.6#
 121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 57.909 ug/l

RT: 10.185 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015709.D

Acq: 26 Sep 2023 15:15

Instrument :

MSVOA_Y

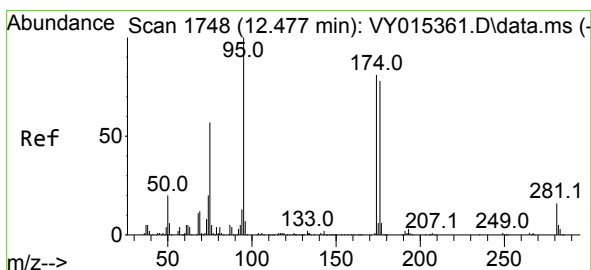
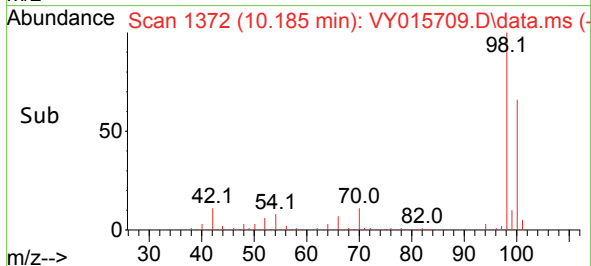
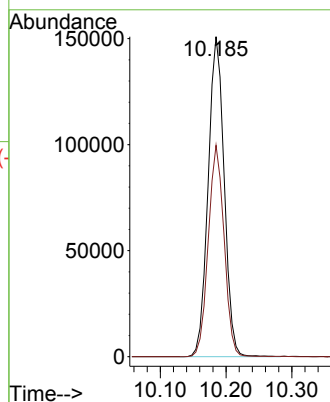
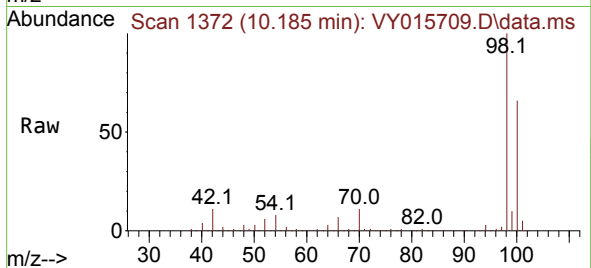
ClientSampleId :

Tgt Ion: 98 Resp: 256344

Ion Ratio Lower Upper

98 100

100 65.0 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 47.940 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY015709.D

Acq: 26 Sep 2023 15:15

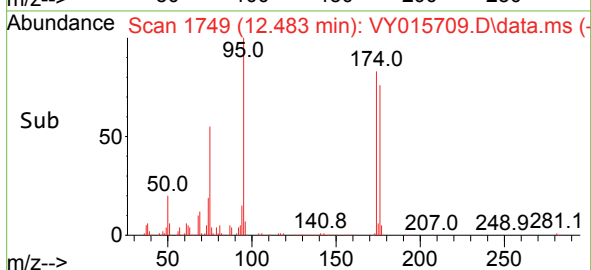
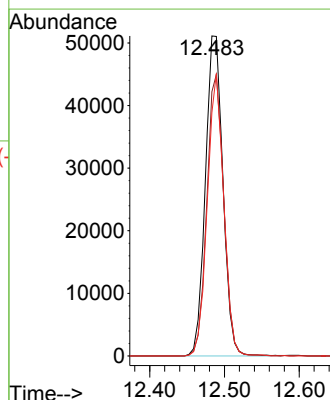
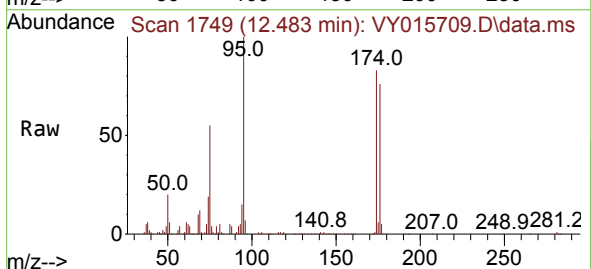
Tgt Ion: 95 Resp: 83281

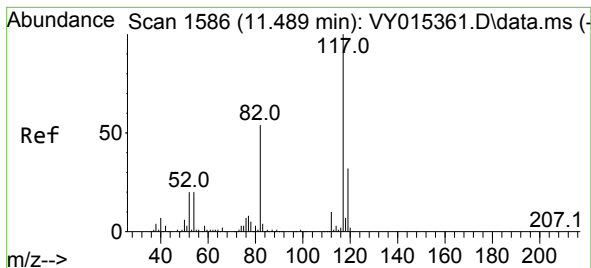
Ion Ratio Lower Upper

95 100

174 85.3 0.0 178.2

176 82.5 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015709.D

Acq: 26 Sep 2023 15:15

Instrument :

MSVOA_Y

ClientSampleId :

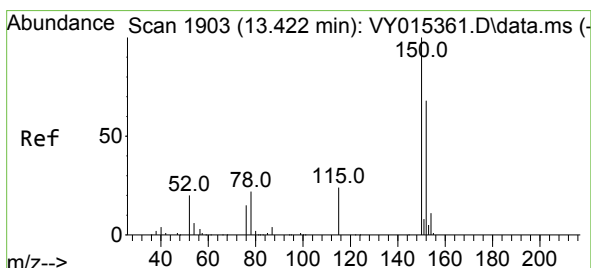
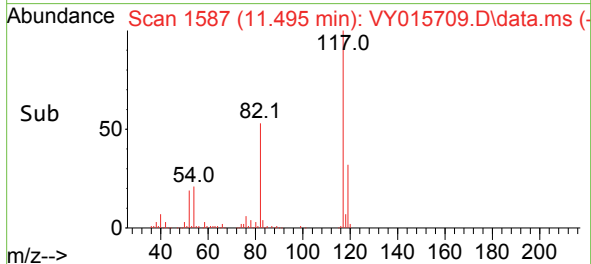
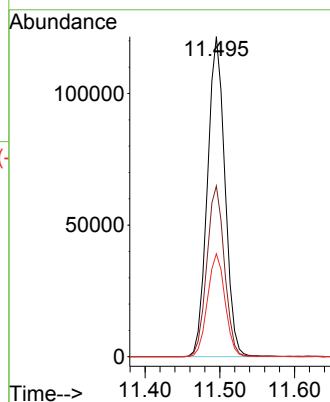
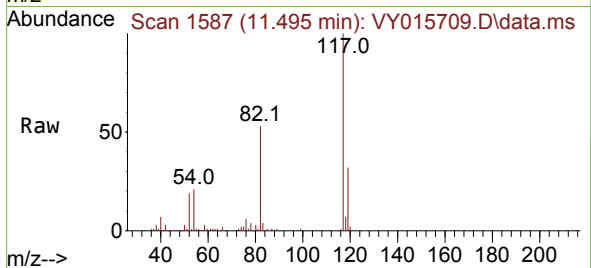
Tgt Ion:117 Resp: 197636

Ion Ratio Lower Upper

117 100

82 53.4 43.4 65.0

119 32.1 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY015709.D

Acq: 26 Sep 2023 15:15

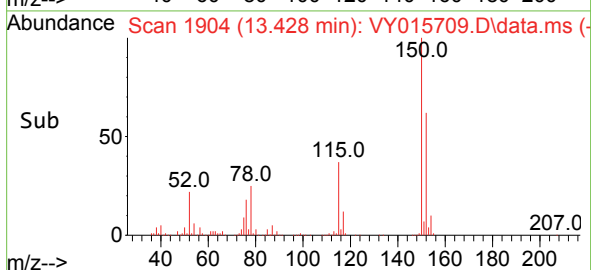
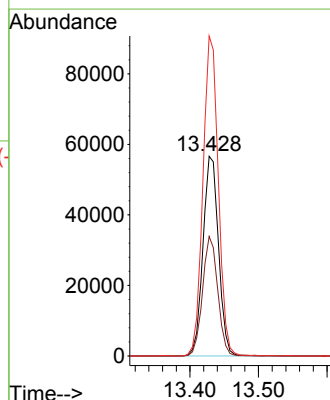
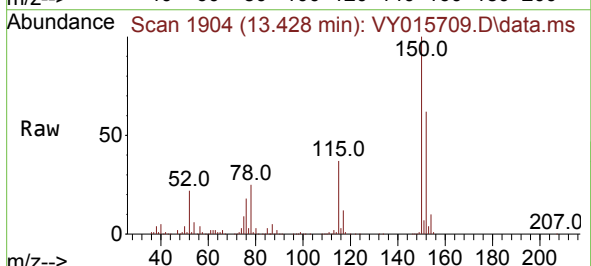
Tgt Ion:152 Resp: 89527

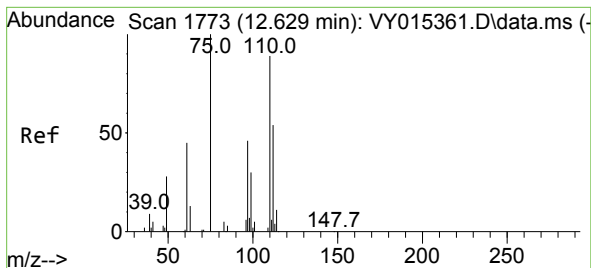
Ion Ratio Lower Upper

152 100

115 58.3 28.8 86.5

150 158.3 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 31.061 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015709.D

Acq: 26 Sep 2023 15:15

Instrument :

MSVOA_Y

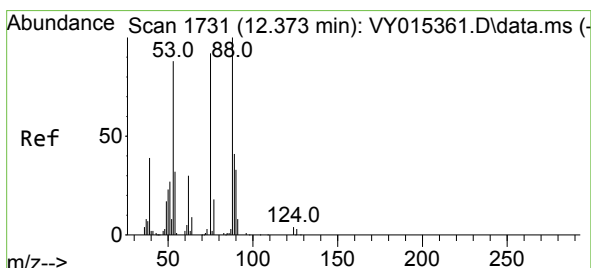
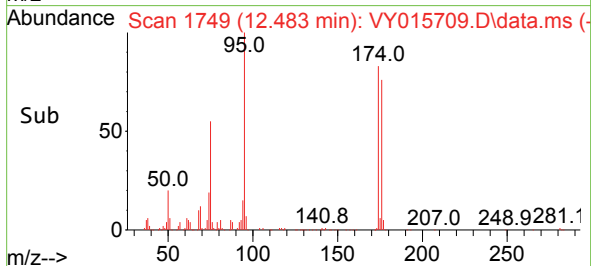
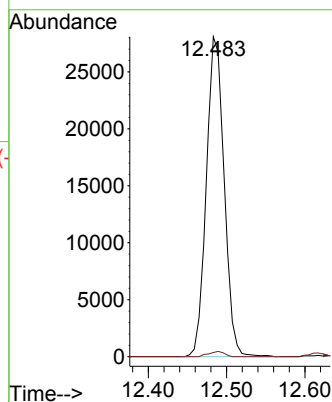
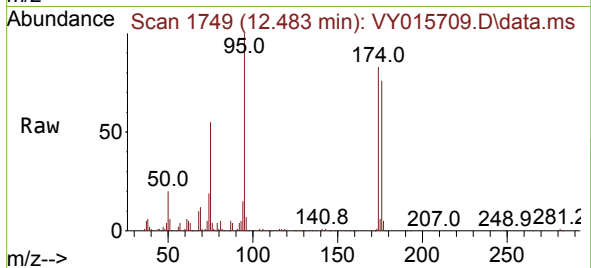
ClientSampleId :

Tgt Ion: 75 Resp: 44363

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.946 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.103 min

Lab File: VY015709.D

Acq: 26 Sep 2023 15:15

Tgt Ion: 75 Resp: 44363

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 37.4 56.0#

