

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092723\
 Data File : VY015729.D
 Acq On : 27 Sep 2023 17:07
 Operator : SY/MD
 Sample : 04627-07
 Misc : 4.55g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 28 00:47:46 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)

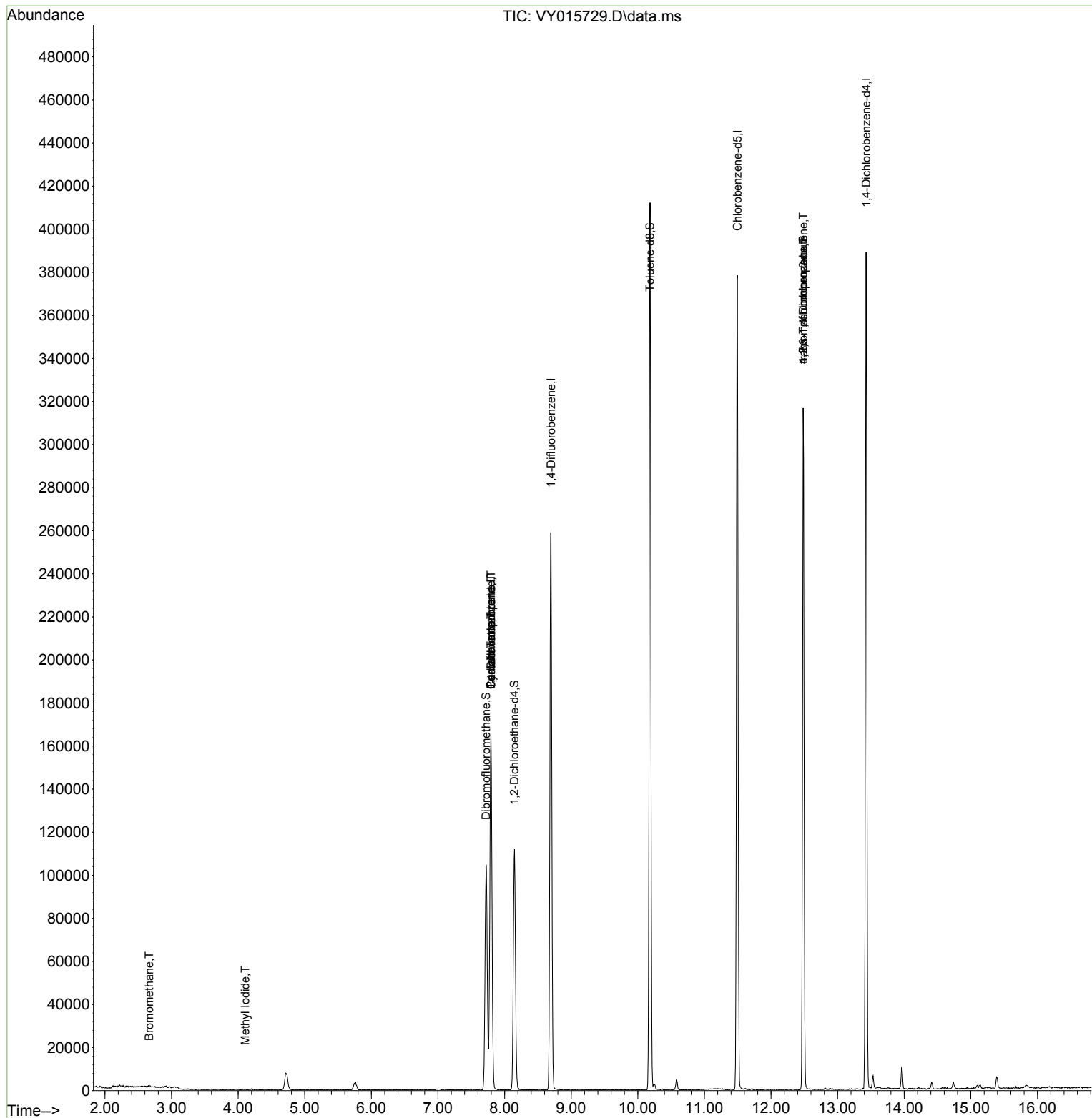
Internal Standards						
1) Pentafluorobenzene	7.795	168	129177	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	226201	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.495	117	211010	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	99512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	89201	62.760	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.520%	
35) Dibromofluoromethane	7.722	113	74114	54.741	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.480%	
50) Toluene-d8	10.185	98	270523	58.930	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 117.860%	
62) 4-Bromofluorobenzene	12.483	95	91588	50.840	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.680%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	200	2.712	ug/l	89
10) Methyl Iodide	4.106	142	57	2.764	ug/l #	38
20) Methylene Chloride	4.716	84	6285	Below Cal	#	86
31) Cyclohexane	7.795	56	2592	1.316	ug/l #	9
36) 1,1-Dichloropropene	7.795	75	10058	5.024	ug/l #	50
38) Carbon Tetrachloride	7.795	117	13142	6.048	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	49600	31.243	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	49600	70.357	ug/l #	11

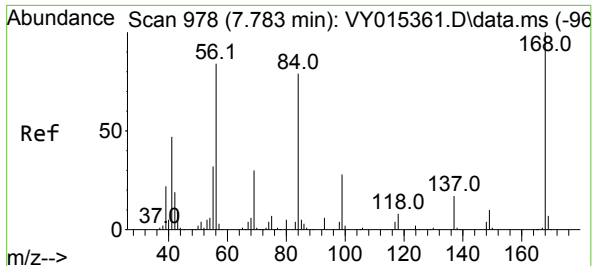
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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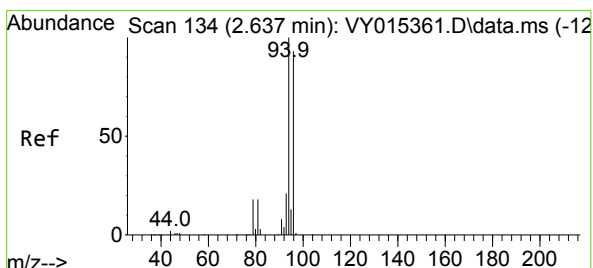
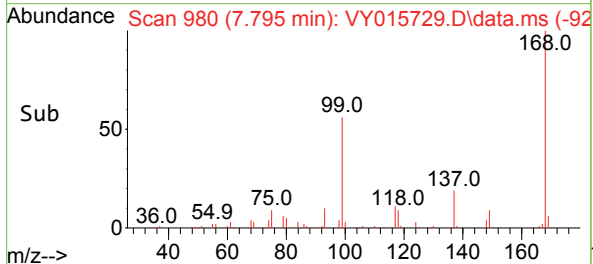
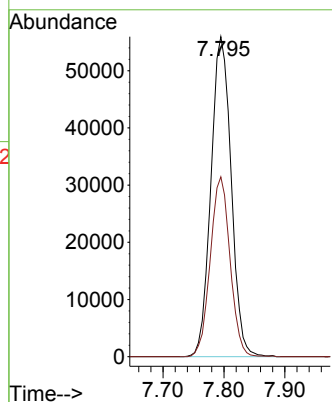
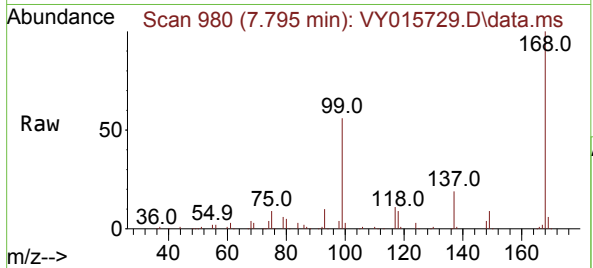




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015729.D
Acq: 27 Sep 2023 17:07

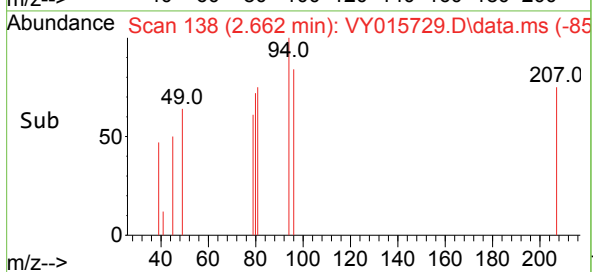
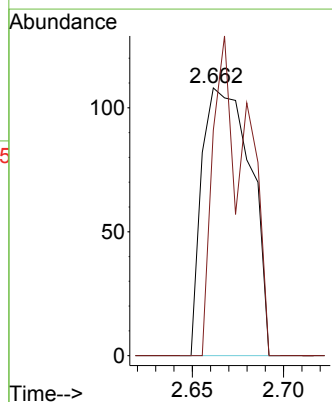
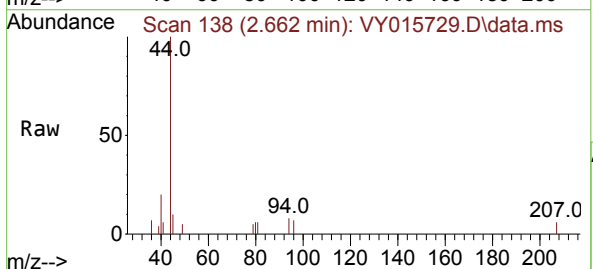
Instrument :
MSVOA_Y
ClientSampleId :

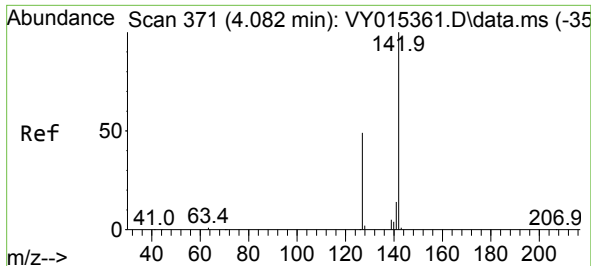
Tgt Ion:168 Resp: 129177
Ion Ratio Lower Upper
168 100
99 56.2 43.4 65.0



#5
Bromomethane
Concen: 2.712 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.025 min
Lab File: VY015729.D
Acq: 27 Sep 2023 17:07

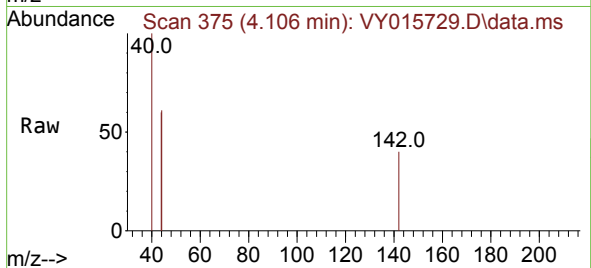
Tgt Ion: 94 Resp: 200
Ion Ratio Lower Upper
94 100
96 84.3 75.8 113.6



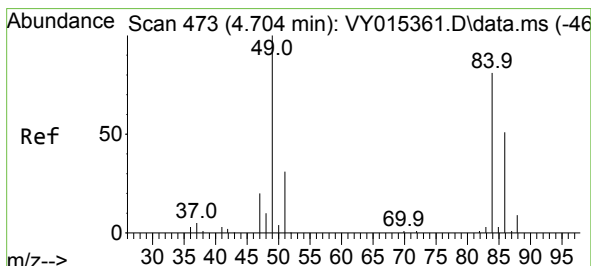
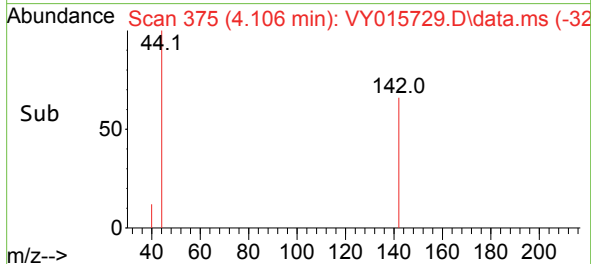
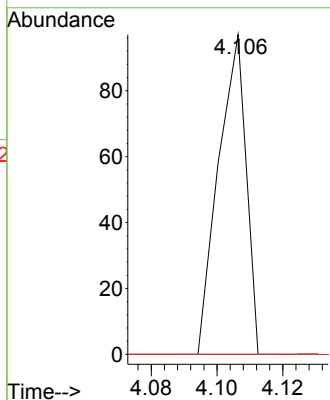


#10
Methyl Iodide
Concen: 2.764 ug/l
RT: 4.106 min Scan# 31
Delta R.T. 0.024 min
Lab File: VY015729.D
Acq: 27 Sep 2023 17:07

Instrument :
MSVOA_Y
ClientSampleId :

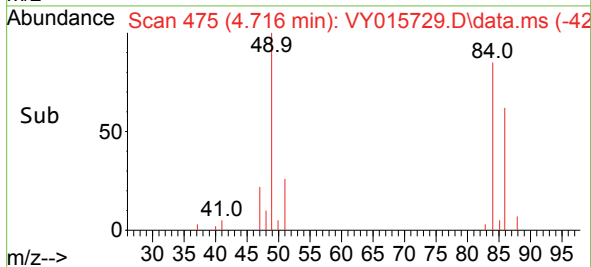
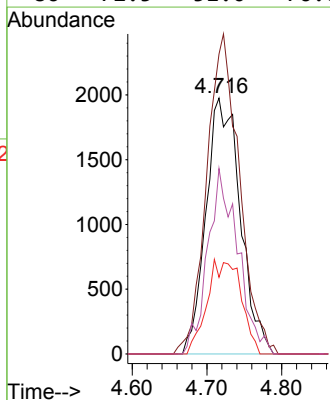
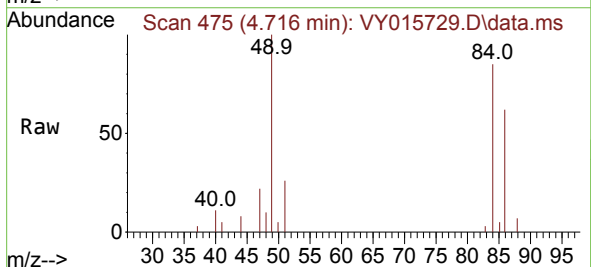


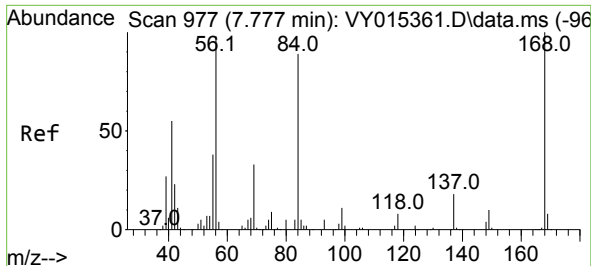
Tgt Ion:142 Resp: 57
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY015729.D
Acq: 27 Sep 2023 17:07

Tgt Ion: 84 Resp: 6285
Ion Ratio Lower Upper
84 100
49 117.2 106.9 160.3
51 30.0 33.2 49.8#
86 72.5 51.0 76.6

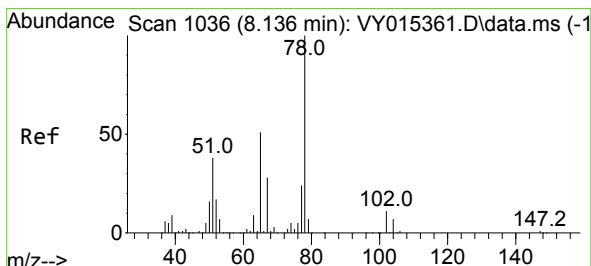
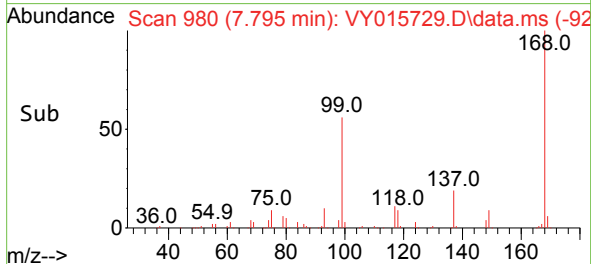
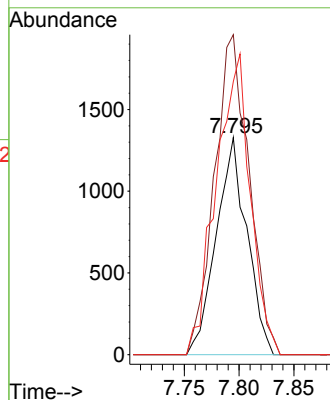
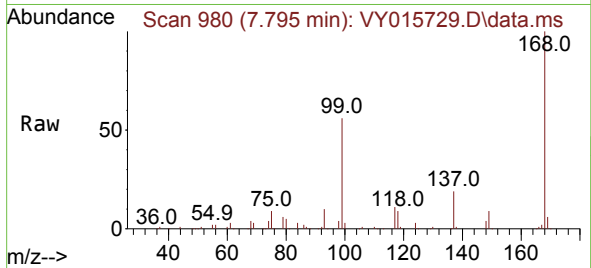




#31
Cyclohexane
Concen: 1.316 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015729.D
Acq: 27 Sep 2023 17:07

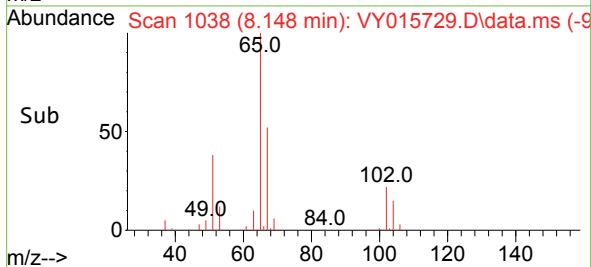
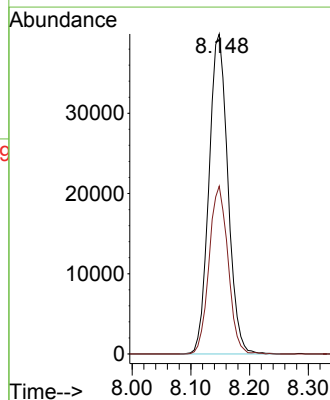
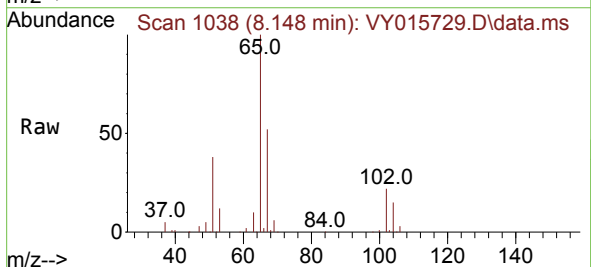
Instrument :
MSVOA_Y
ClientSampleId :

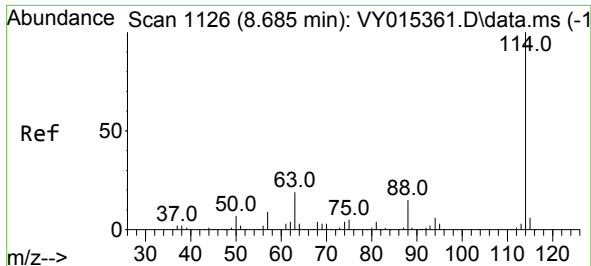
Tgt Ion: 56 Resp: 2592
Ion Ratio Lower Upper
56 100
69 147.4 27.8 41.6#
84 125.8 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 62.760 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. 0.012 min
Lab File: VY015729.D
Acq: 27 Sep 2023 17:07

Tgt Ion: 65 Resp: 89201
Ion Ratio Lower Upper
65 100
67 52.4 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: VY015729.D

Acq: 27 Sep 2023 17:07

Instrument :

MSVOA_Y

ClientSampleId :

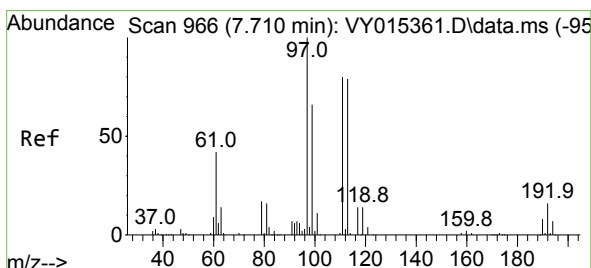
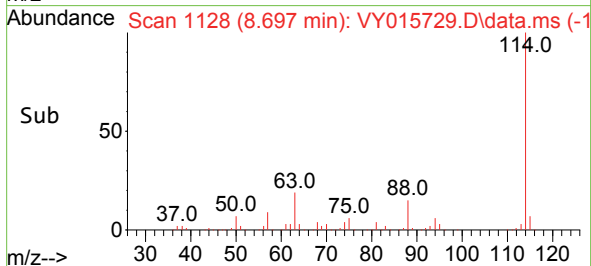
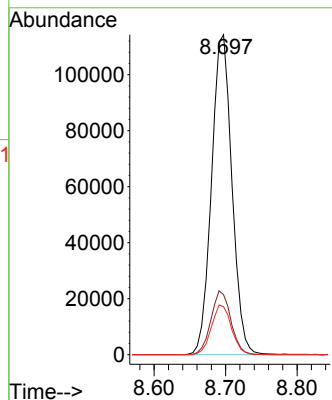
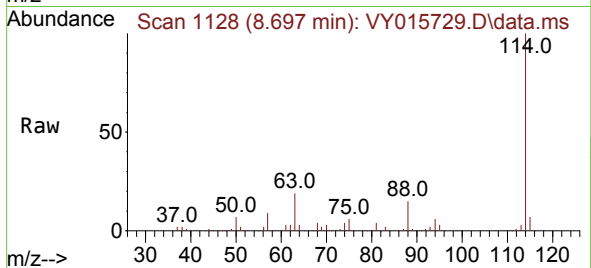
Tgt Ion:114 Resp: 226201

Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.741 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY015729.D

Acq: 27 Sep 2023 17:07

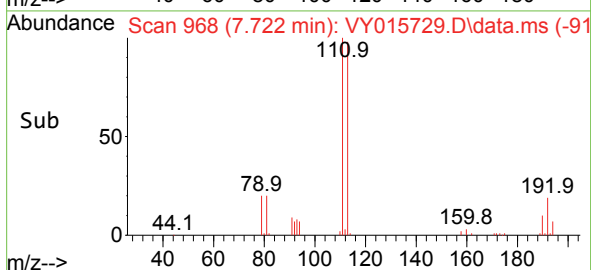
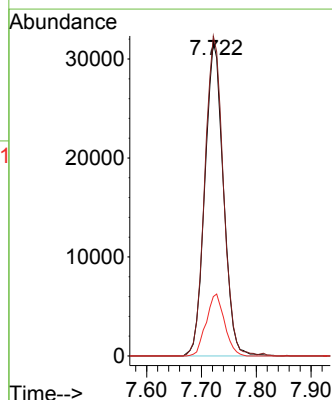
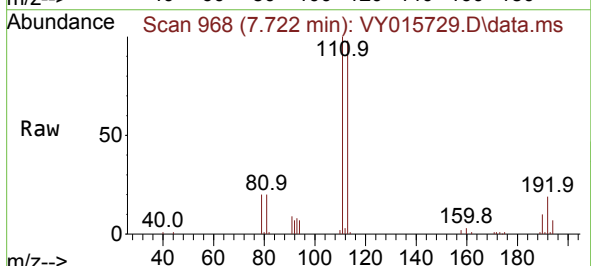
Tgt Ion:113 Resp: 74114

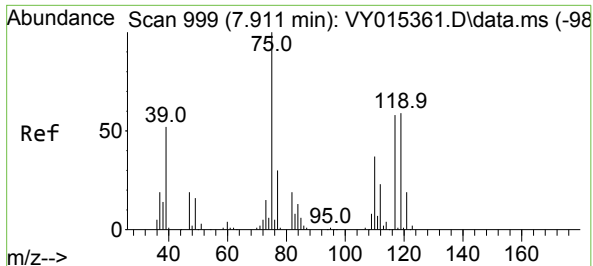
Ion Ratio Lower Upper

113 100

111 102.3 81.3 121.9

192 19.6 16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.024 ug/l

RT: 7.795 min Scan# 9

Delta R.T. -0.116 min

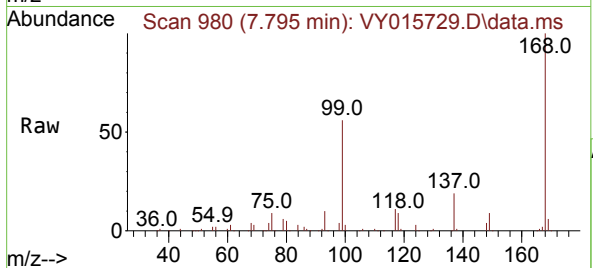
Lab File: VY015729.D

Acq: 27 Sep 2023 17:07

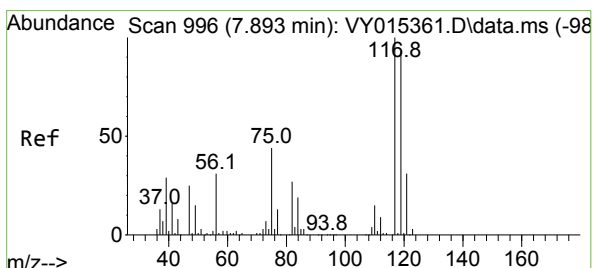
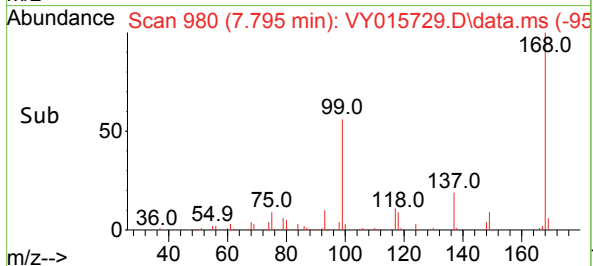
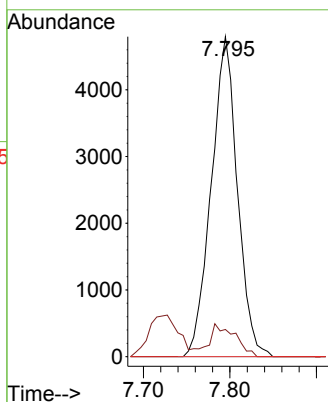
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 10058
Ion Ratio	Lower Upper
75	100
110	9.7 17.8 53.5#
77	0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.048 ug/l

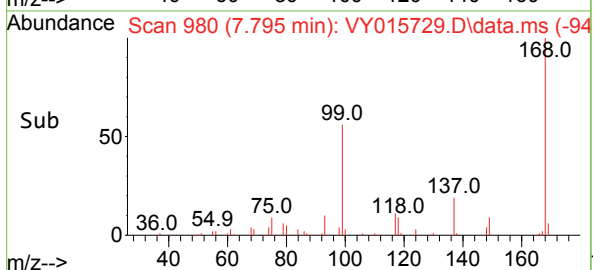
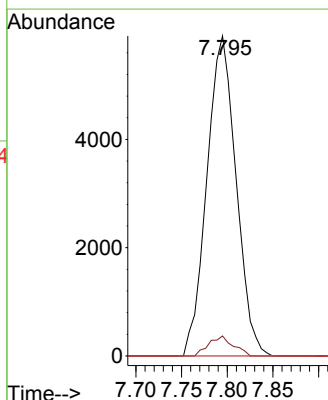
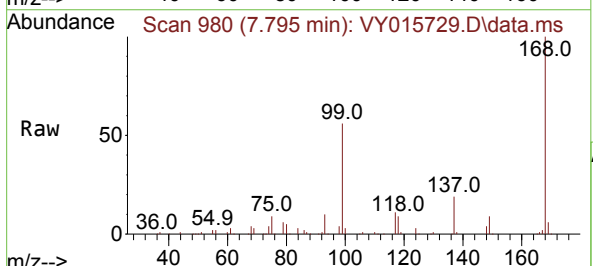
RT: 7.795 min Scan# 980

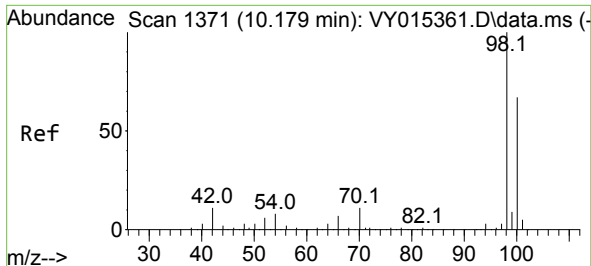
Delta R.T. -0.098 min

Lab File: VY015729.D

Acq: 27 Sep 2023 17:07

Tgt Ion: 117	Resp: 13142
Ion Ratio	Lower Upper
117	100
119	6.3 76.4 114.6#
121	0.0 25.8 38.6#

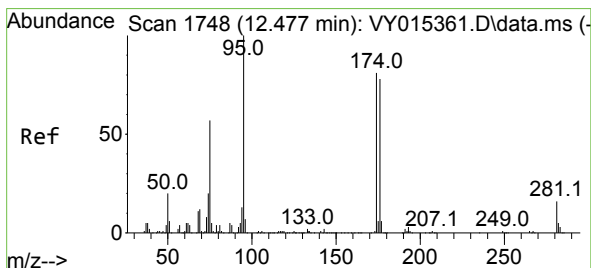
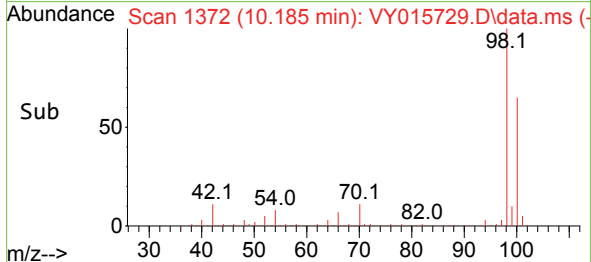
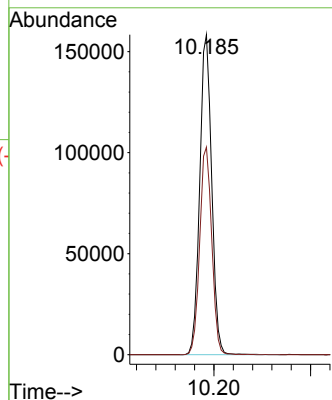
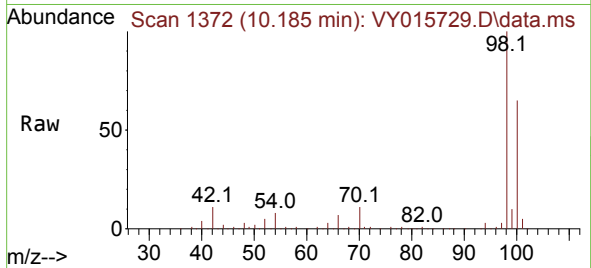




#50
Toluene-d8
Concen: 58.930 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015729.D
Acq: 27 Sep 2023 17:07

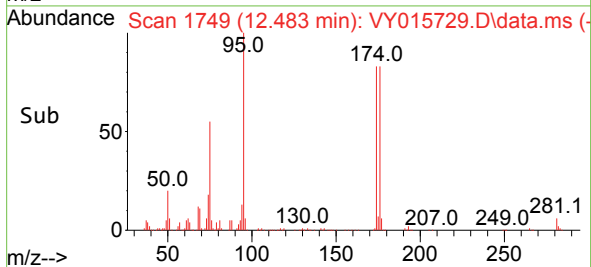
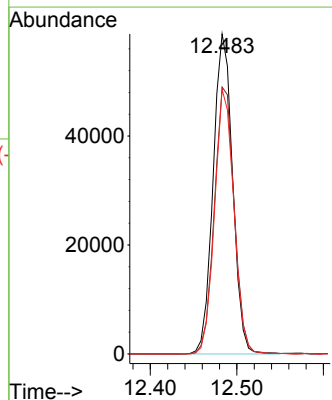
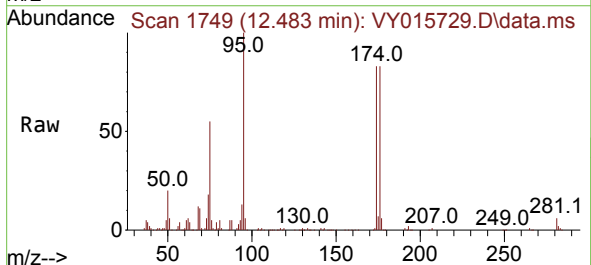
Instrument :
MSVOA_Y
ClientSampleId :

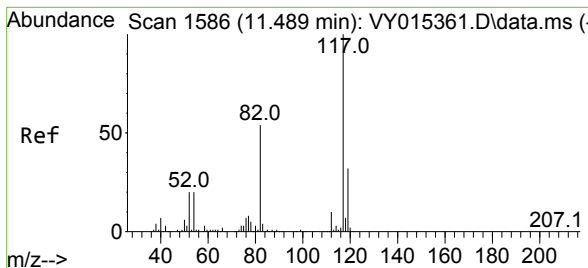
Tgt Ion: 98 Resp: 270523
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 50.840 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015729.D
Acq: 27 Sep 2023 17:07

Tgt Ion: 95 Resp: 91588
Ion Ratio Lower Upper
95 100
174 85.4 0.0 178.2
176 82.1 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. 0.006 min

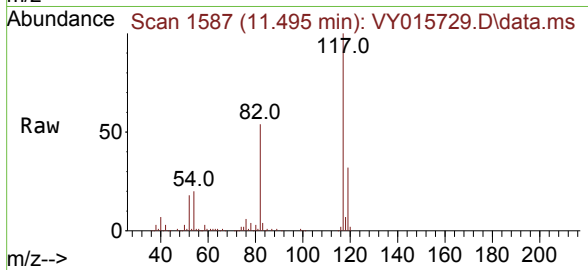
Lab File: VY015729.D

Acq: 27 Sep 2023 17:07

Instrument :

MSVOA_Y

ClientSampleId :



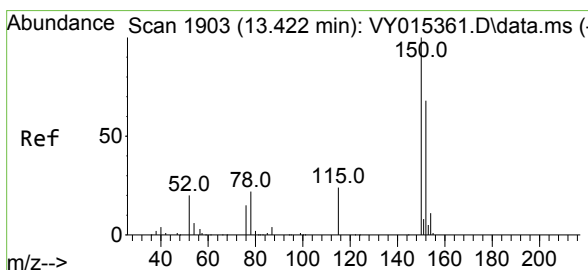
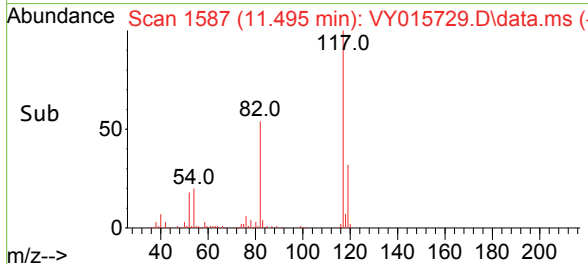
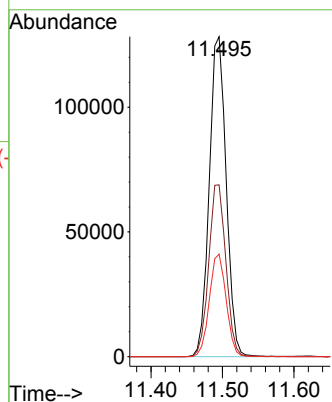
Tgt Ion:117 Resp: 211010

Ion Ratio Lower Upper

117 100

82 53.7 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: VY015729.D

Acq: 27 Sep 2023 17:07

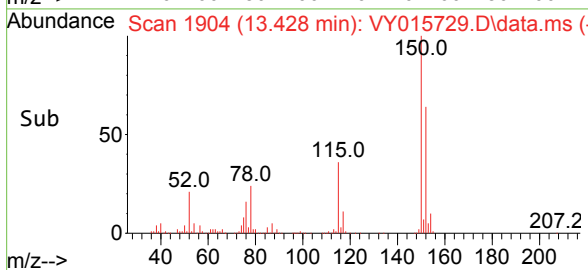
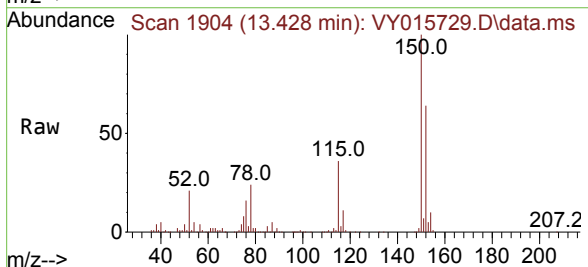
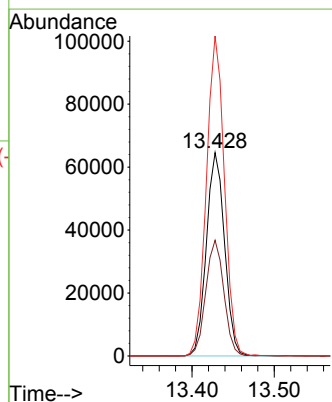
Tgt Ion:152 Resp: 99512

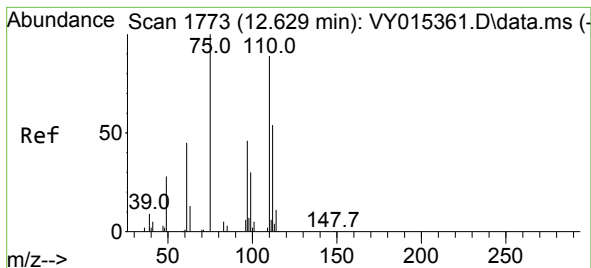
Ion Ratio Lower Upper

152 100

115 56.7 28.8 86.5

150 155.9 0.0 348.8

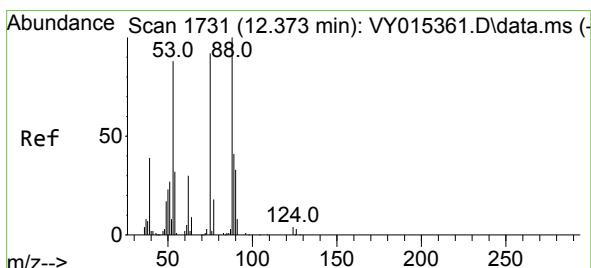
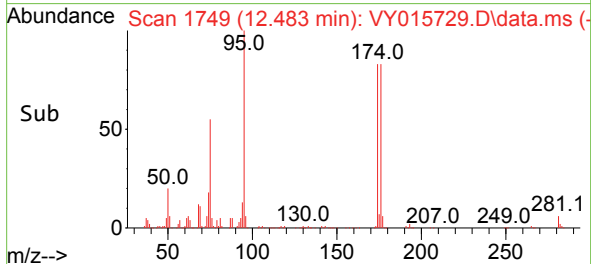
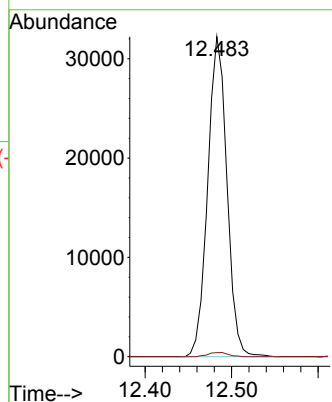
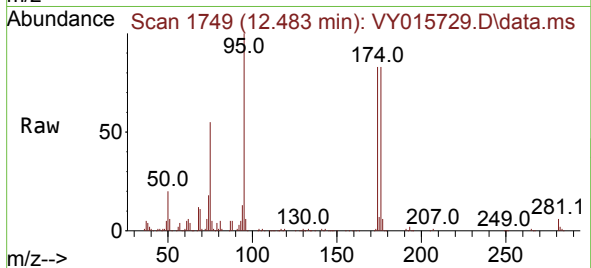




#76
1,2,3-Trichloropropane
Concen: 31.243 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015729.D
Acq: 27 Sep 2023 17:07

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 49600
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.357 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY015729.D
Acq: 27 Sep 2023 17:07

Tgt Ion: 75 Resp: 49600
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

