

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092823\
 Data File : VY015752.D
 Acq On : 28 Sep 2023 18:41
 Operator : SY/MD
 Sample : 04627-21
 Misc : 3.47g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 29 01:28:03 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)

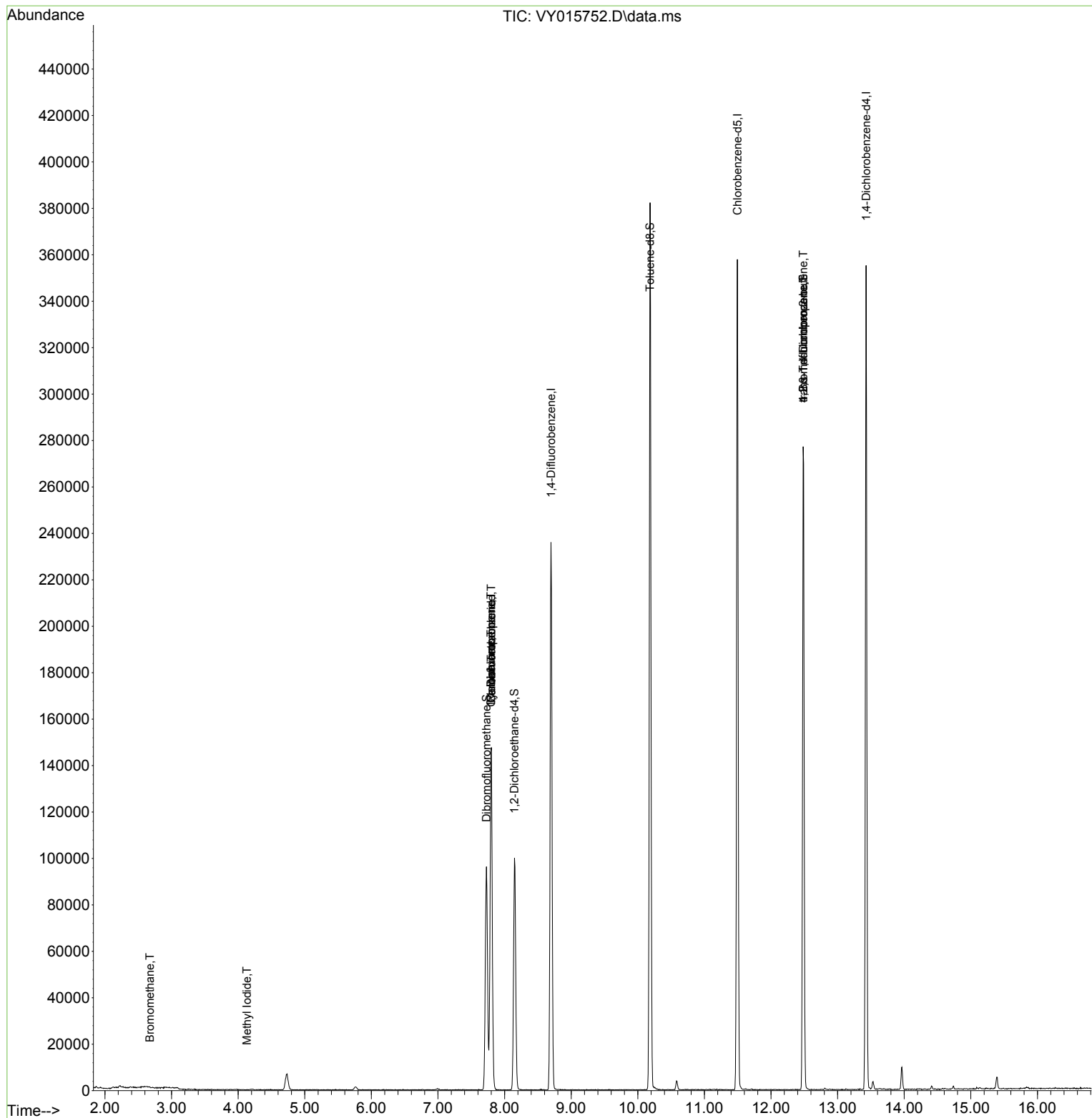
Internal Standards						
1) Pentafluorobenzene	7.801	168	112772	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.697	114	203252	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.495	117	192805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	87555	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	77438	62.409	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.820%	
35) Dibromofluoromethane	7.728	113	68567	56.363	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.720%	
50) Toluene-d8	10.184	98	243832	59.113	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 118.220%	
62) 4-Bromofluorobenzene	12.483	95	80490	49.724	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.440%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.674	94	175	2.713	ug/l	84
10) Methyl Iodide	4.131	142	19	2.742	ug/l #	38
20) Methylene Chloride	4.728	84	5227	Below Cal	#	84
31) Cyclohexane	7.795	56	2408	1.401	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	8891	4.943	ug/l #	48
38) Carbon Tetrachloride	7.801	117	11436	5.857	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	43730	31.307	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	43730	70.501	ug/l #	11

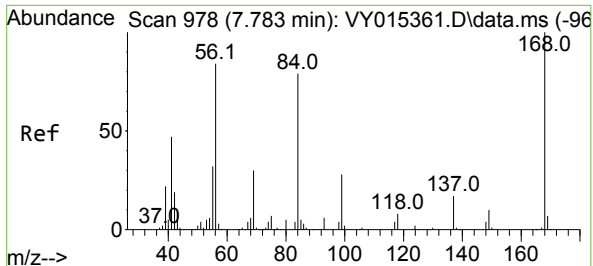
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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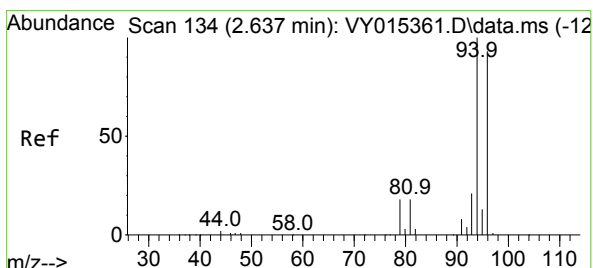
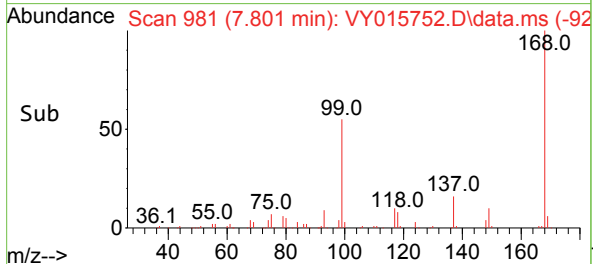
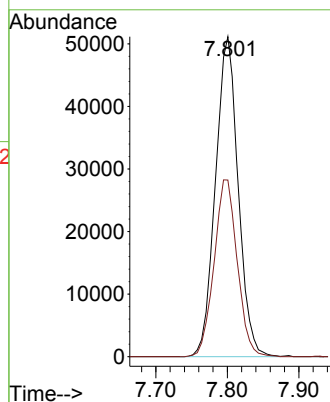
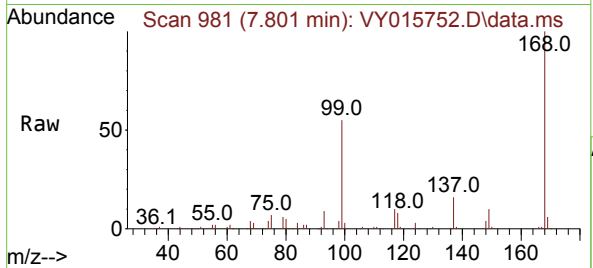




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY015752.D
Acq: 28 Sep 2023 18:41

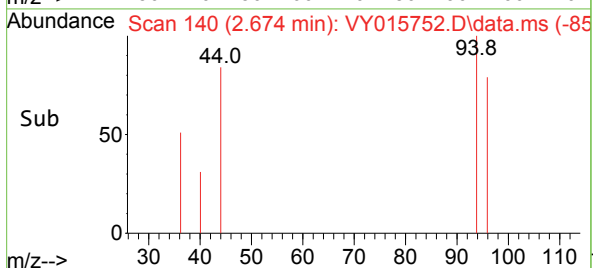
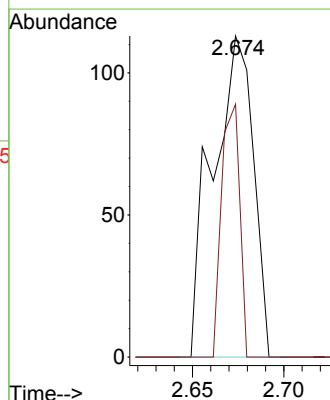
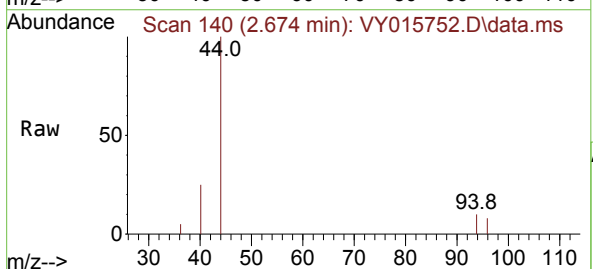
Instrument :
MSVOA_Y
ClientSampleId :

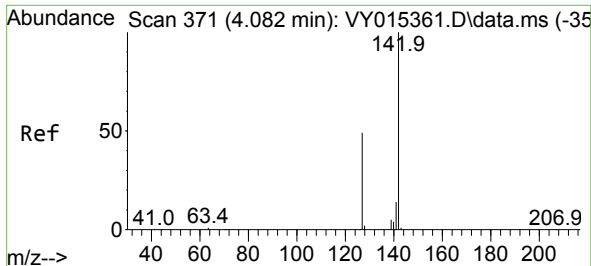
Tgt Ion:168 Resp: 112772
Ion Ratio Lower Upper
168 100
99 55.2 43.4 65.0



#5
Bromomethane
Concen: 2.713 ug/l
RT: 2.674 min Scan# 140
Delta R.T. 0.037 min
Lab File: VY015752.D
Acq: 28 Sep 2023 18:41

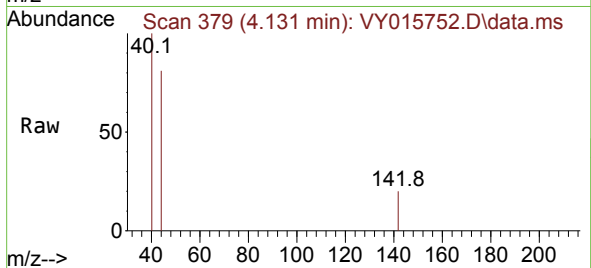
Tgt Ion: 94 Resp: 175
Ion Ratio Lower Upper
94 100
96 78.8 75.8 113.6



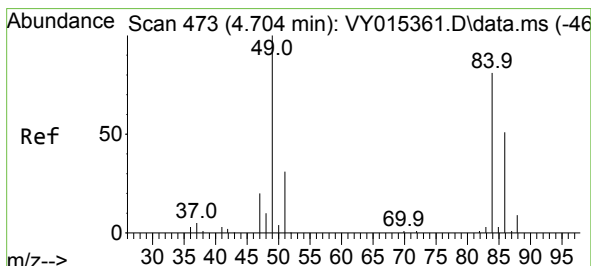
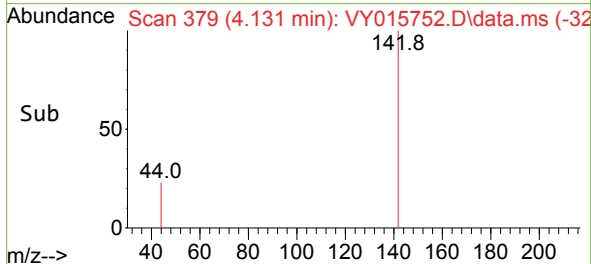
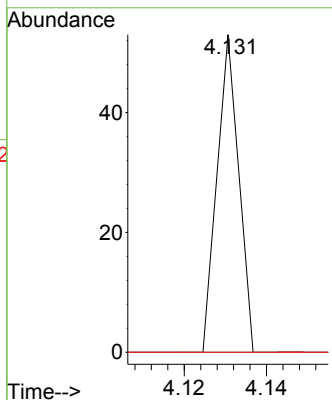


#10
Methyl Iodide
Concen: 2.742 ug/l
RT: 4.131 min Scan# 31
Delta R.T. 0.049 min
Lab File: VY015752.D
Acq: 28 Sep 2023 18:41

Instrument :
MSVOA_Y
ClientSampleId :

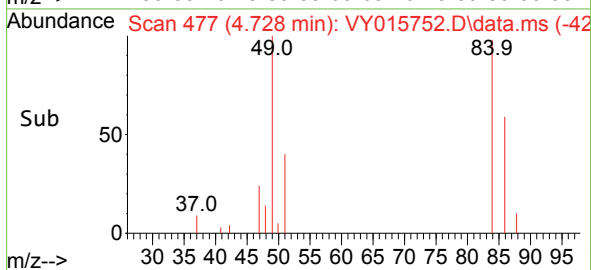
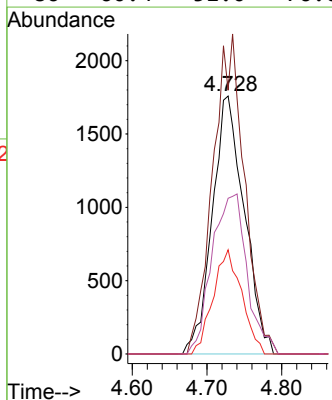
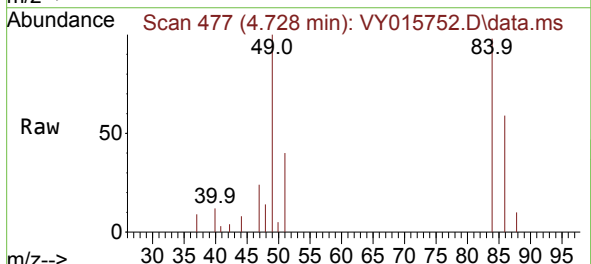


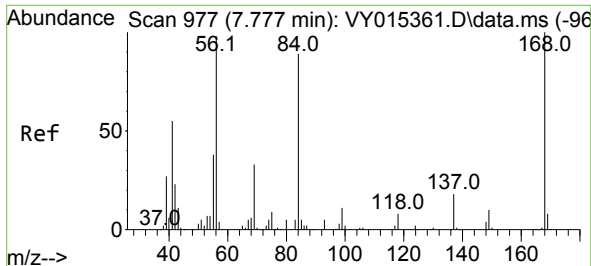
Tgt Ion:142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.728 min Scan# 477
Delta R.T. 0.024 min
Lab File: VY015752.D
Acq: 28 Sep 2023 18:41

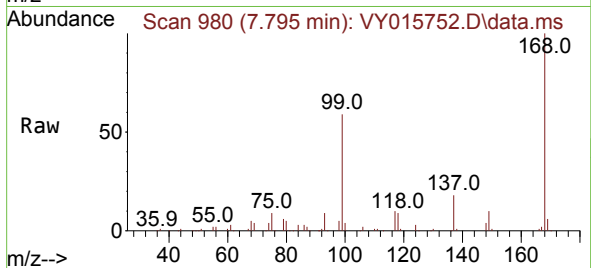
Tgt Ion: 84 Resp: 5227
Ion Ratio Lower Upper
84 100
49 102.2 106.9 160.3#
51 40.4 33.2 49.8
86 60.4 51.0 76.6



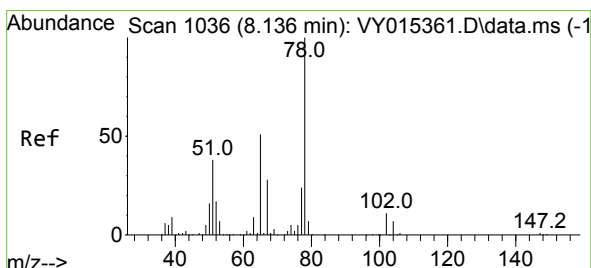
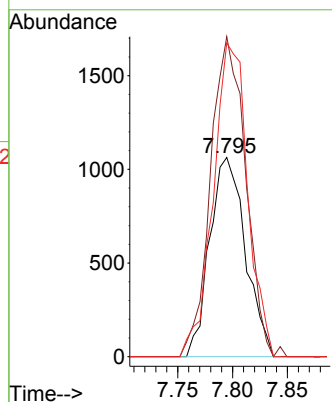
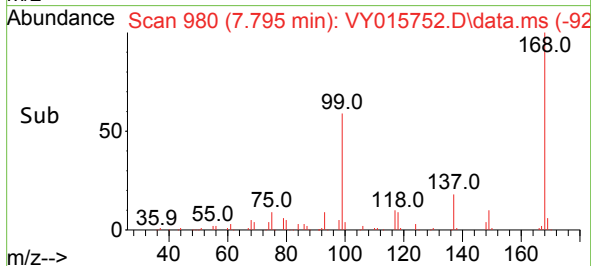


#31
Cyclohexane
Concen: 1.401 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015752.D
Acq: 28 Sep 2023 18:41

Instrument :
MSVOA_Y
ClientSampleId :

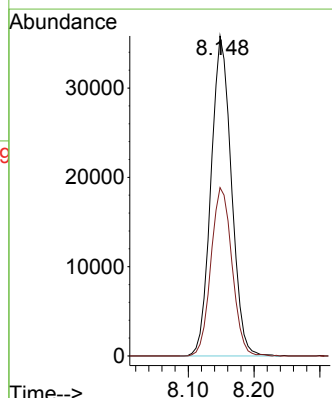
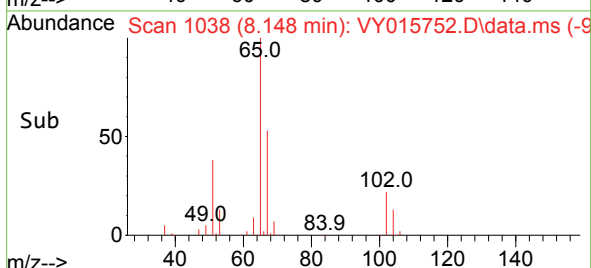
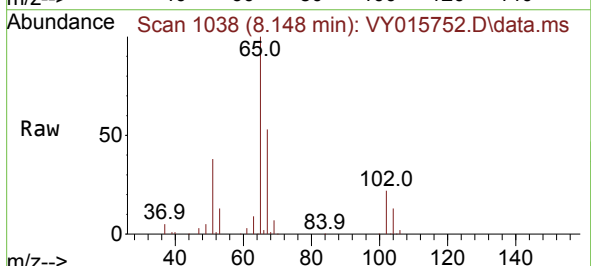


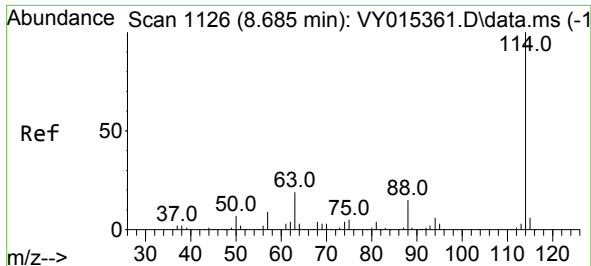
Tgt Ion: 56 Resp: 2408
Ion Ratio Lower Upper
56 100
69 160.7 27.8 41.6#
84 157.6 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 62.409 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. 0.012 min
Lab File: VY015752.D
Acq: 28 Sep 2023 18:41

Tgt Ion: 65 Resp: 77438
Ion Ratio Lower Upper
65 100
67 54.3 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: VY015752.D

Acq: 28 Sep 2023 18:41

Instrument :

MSVOA_Y

ClientSampleId :

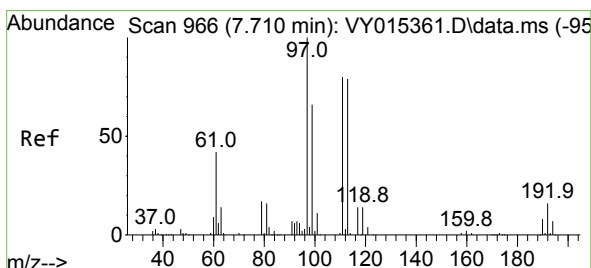
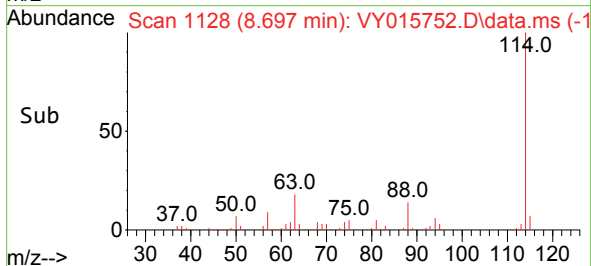
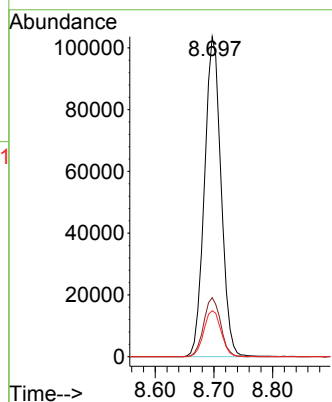
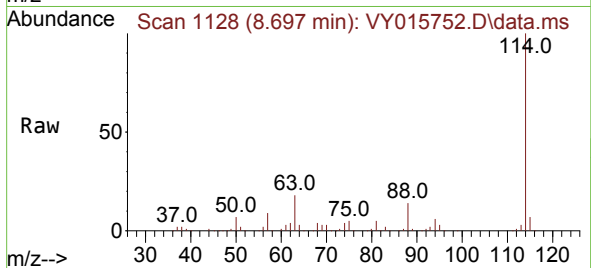
Tgt Ion:114 Resp: 203252

Ion Ratio Lower Upper

114 100

63 18.4 0.0 42.4

88 14.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 56.363 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY015752.D

Acq: 28 Sep 2023 18:41

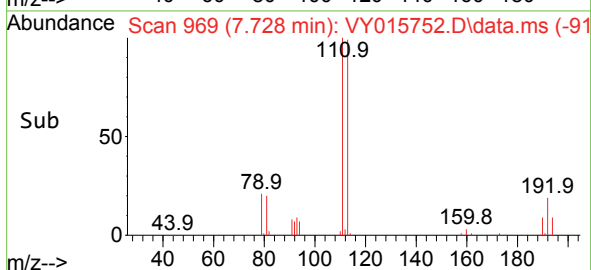
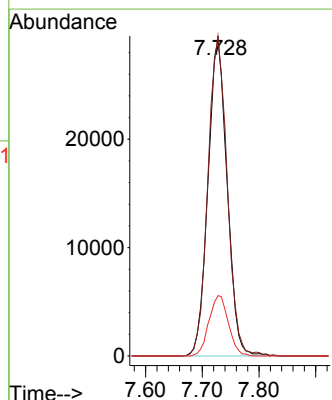
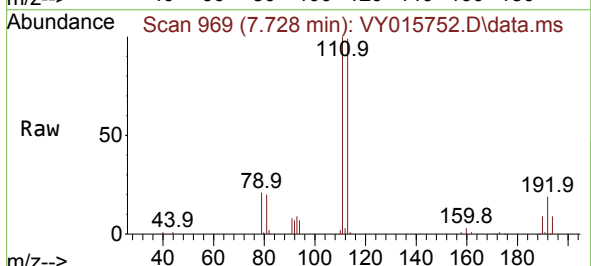
Tgt Ion:113 Resp: 68567

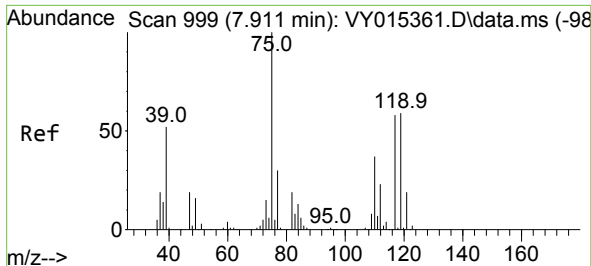
Ion Ratio Lower Upper

113 100

111 101.9 81.3 121.9

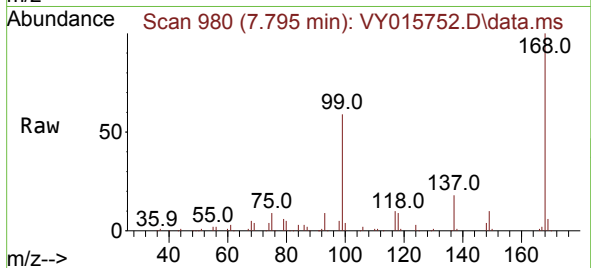
192 19.3 16.9 25.3



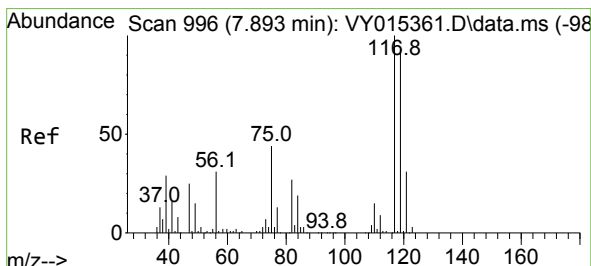
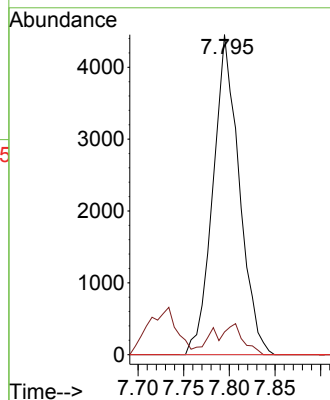
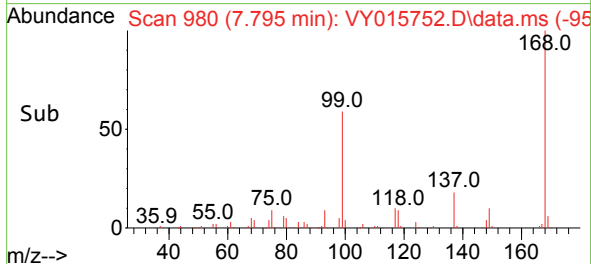


#36
1,1-Dichloropropene
Concen: 4.943 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY015752.D
Acq: 28 Sep 2023 18:41

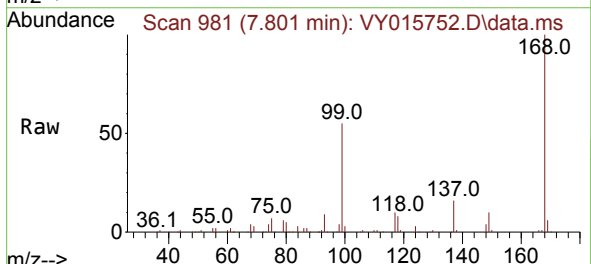
Instrument :
MSVOA_Y
ClientSampleId :



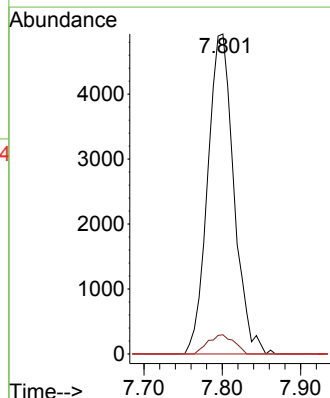
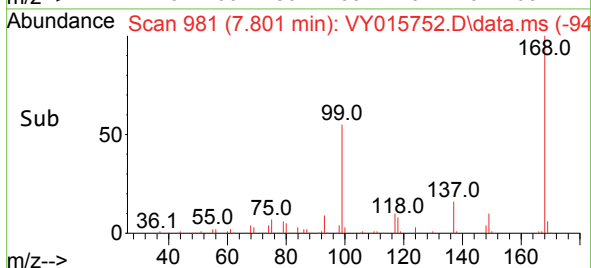
Tgt Ion: 75 Resp: 8891
Ion Ratio Lower Upper
75 100
110 6.9 17.8 53.5#
77 0.0 24.4 36.6#

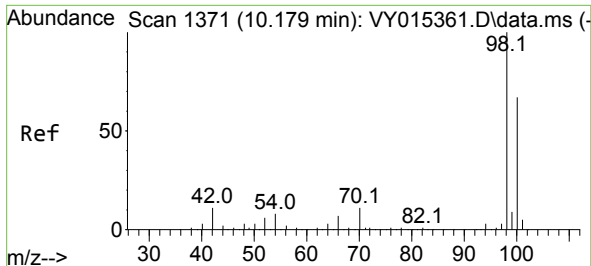


#38
Carbon Tetrachloride
Concen: 5.857 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.092 min
Lab File: VY015752.D
Acq: 28 Sep 2023 18:41



Tgt Ion: 117 Resp: 11436
Ion Ratio Lower Upper
117 100
119 6.0 76.4 114.6#
121 0.0 25.8 38.6#

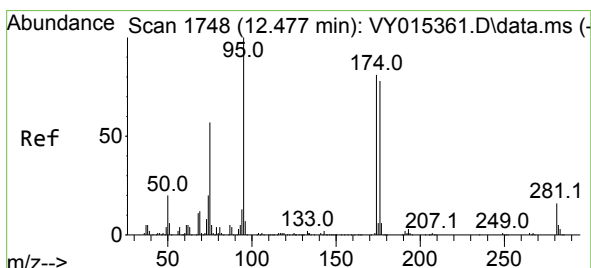
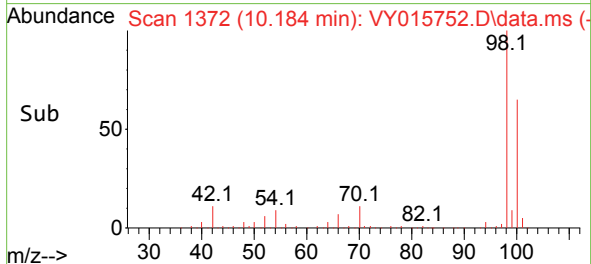
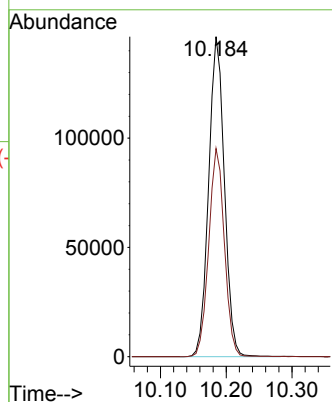
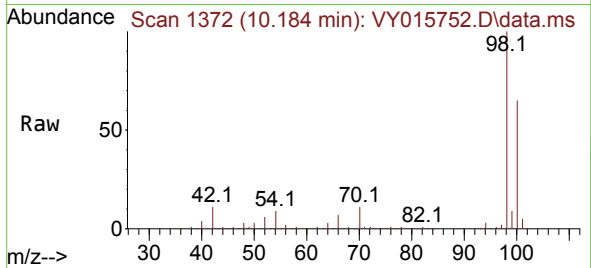




#50
Toluene-d8
Concen: 59.113 ug/l
RT: 10.184 min Scan# 11
Delta R.T. 0.005 min
Lab File: VY015752.D
Acq: 28 Sep 2023 18:41

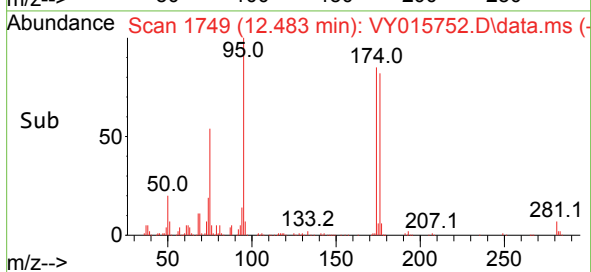
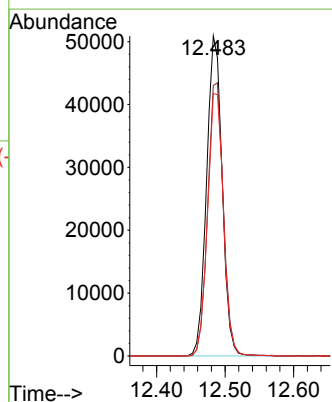
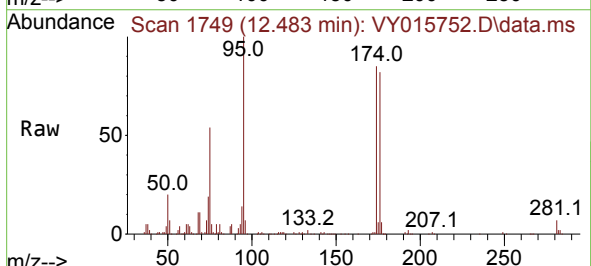
Instrument :
MSVOA_Y
ClientSampleId :

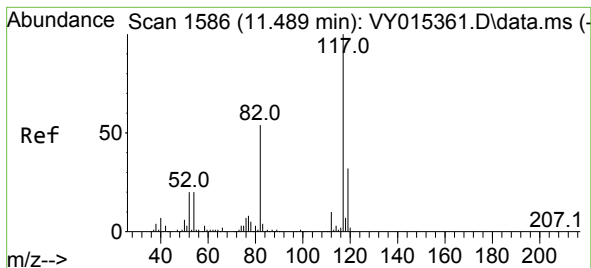
Tgt Ion: 98 Resp: 243832
Ion Ratio Lower Upper
98 100
100 64.6 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 49.724 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015752.D
Acq: 28 Sep 2023 18:41

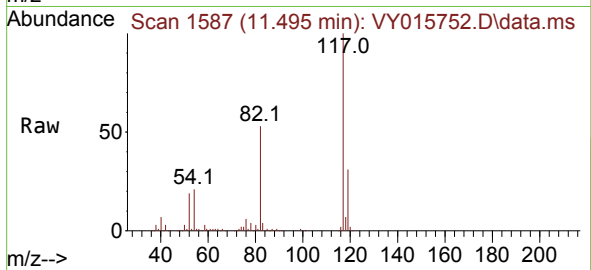
Tgt Ion: 95 Resp: 80490
Ion Ratio Lower Upper
95 100
174 86.1 0.0 178.2
176 83.8 0.0 173.8



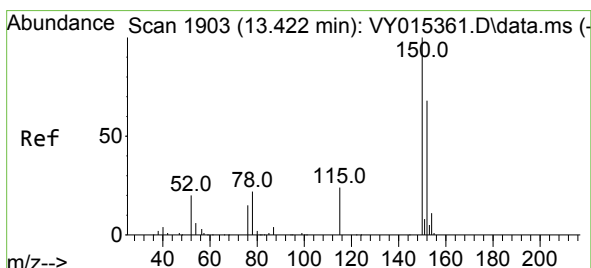
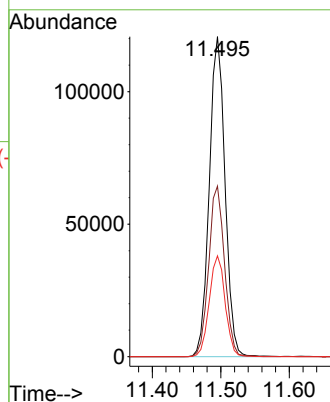
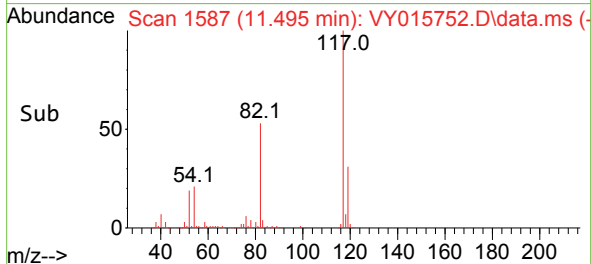


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015752.D
Acq: 28 Sep 2023 18:41

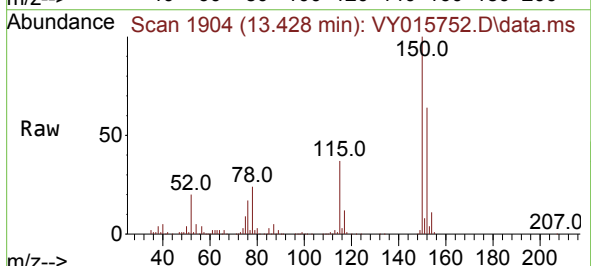
Instrument :
MSVOA_Y
ClientSampleId :



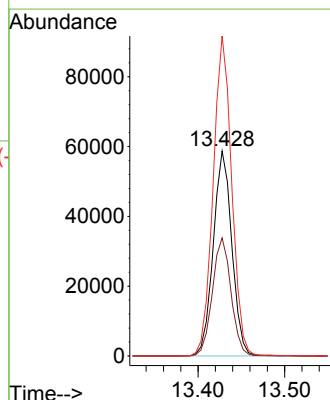
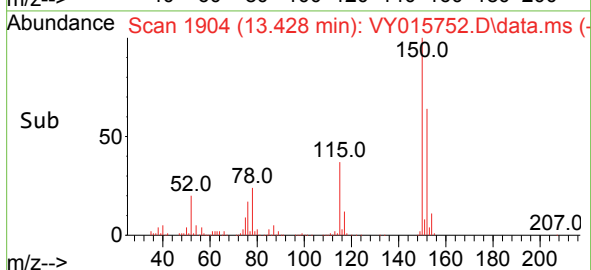
Tgt Ion:117 Resp: 192805
Ion Ratio Lower Upper
117 100
82 53.3 43.4 65.0
119 31.5 26.3 39.5

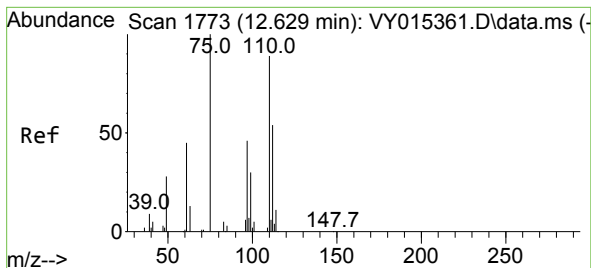


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015752.D
Acq: 28 Sep 2023 18:41



Tgt Ion:152 Resp: 87555
Ion Ratio Lower Upper
152 100
115 57.7 28.8 86.5
150 156.1 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 31.307 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015752.D

Acq: 28 Sep 2023 18:41

Instrument :

MSVOA_Y

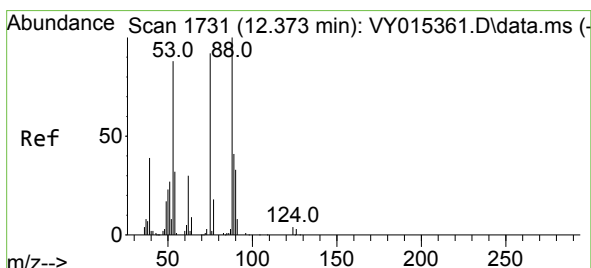
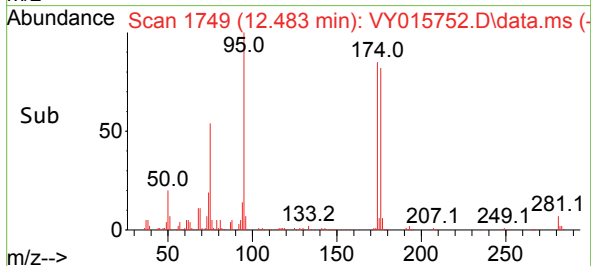
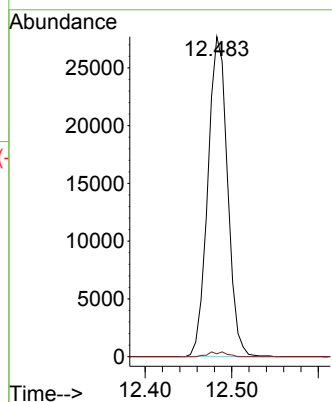
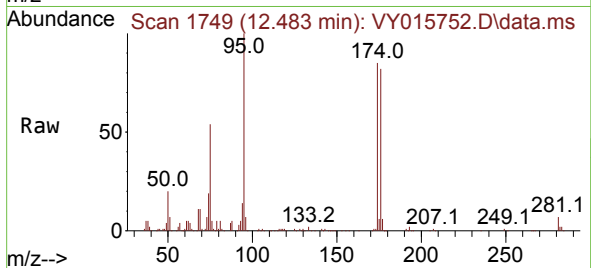
ClientSampleId :

Tgt Ion: 75 Resp: 43730

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.501 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.103 min

Lab File: VY015752.D

Acq: 28 Sep 2023 18:41

Tgt Ion: 75 Resp: 43730

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.2 37.4 56.0#

