

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092223\
 Data File : VY015690.D
 Acq On : 22 Sep 2023 17:28
 Operator : SY/MD
 Sample : 04566-03
 Misc : 3.37g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 22 22:58:43 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)

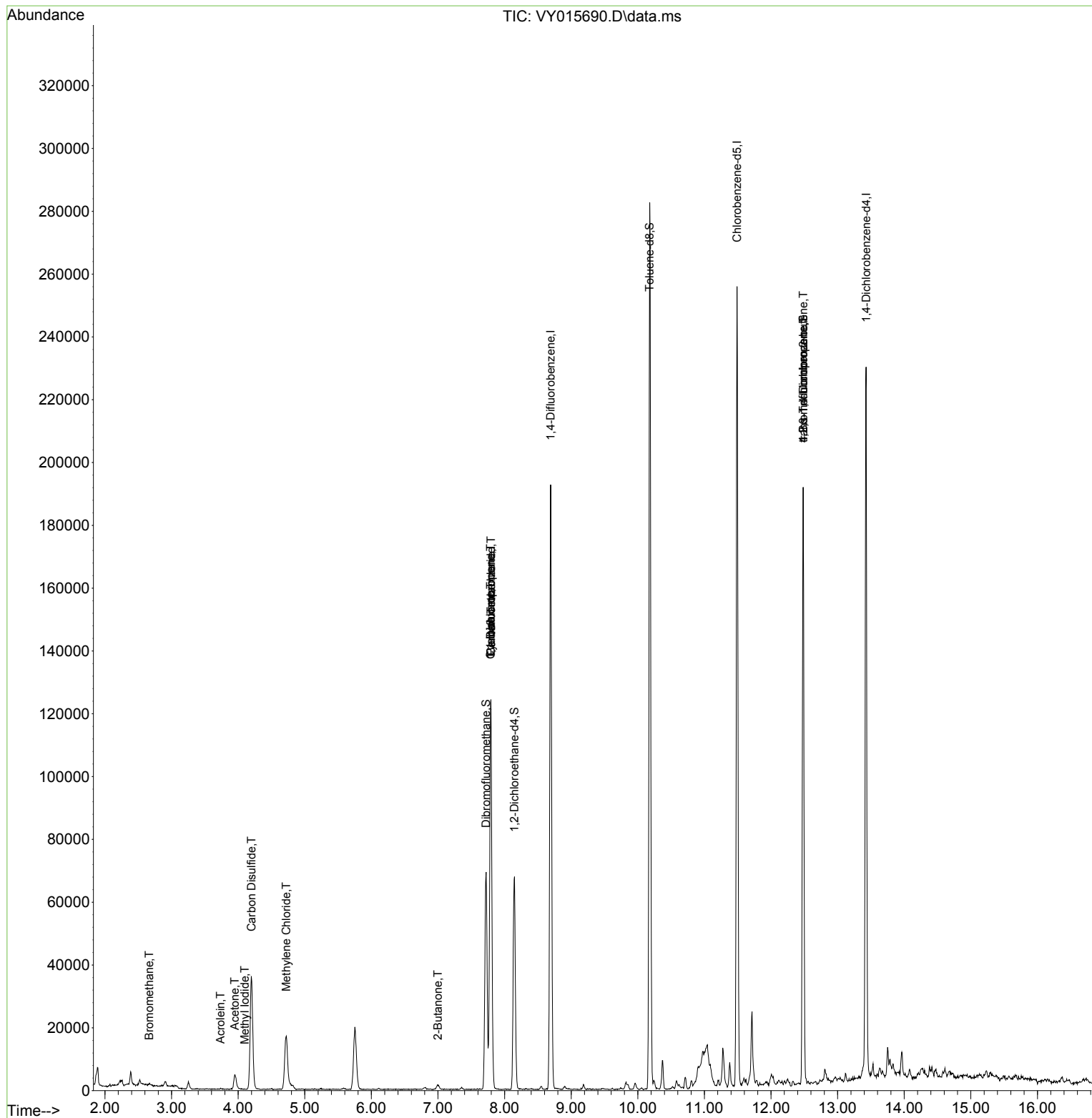
Internal Standards						
1) Pentafluorobenzene	7.795	168	97384	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.691	114	159065	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	139660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	56521	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	53314	49.757	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.520%
35) Dibromofluoromethane	7.722	113	49807	52.315	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.640%
50) Toluene-d8	10.179	98	187034	57.940	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	115.880%
62) 4-Bromofluorobenzene	12.483	95	56809	44.844	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.680%
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	235	2.799	ug/l #	60
10) Methyl Iodide	4.100	142	23	2.748	ug/l #	38
11) Tert butyl alcohol	4.972	59	159	Below Cal	#	89
13) Acrolein	3.735	56	173	1.054	ug/l #	52
16) Acetone	3.948	43	8315	14.501	ug/l	97
17) Carbon Disulfide	4.198	76	74520	44.773	ug/l	100
20) Methylene Chloride	4.722	84	12957	6.065	ug/l	90
25) 2-Butanone	6.996	43	2324	2.867	ug/l	91
31) Cyclohexane	7.789	56	2248	1.514	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	7481	5.314	ug/l #	50
38) Carbon Tetrachloride	7.795	117	9486	6.208	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	30638	33.978	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	30638	76.515	ug/l #	11

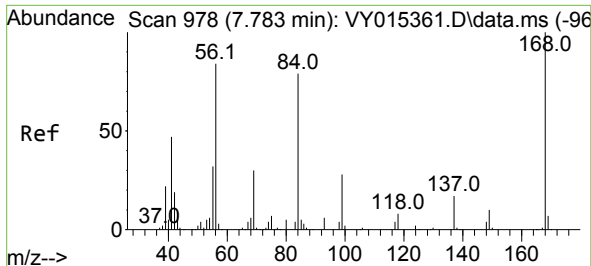
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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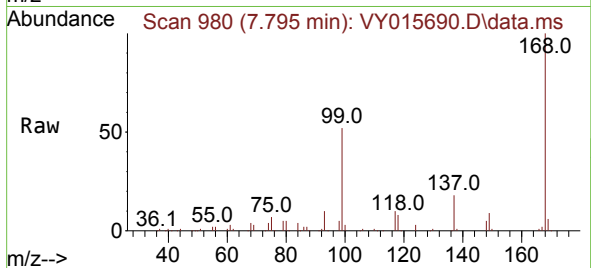
Quant Time: Sep 22 22:58:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 20 01:39:40 2023
Response via : Initial Calibration



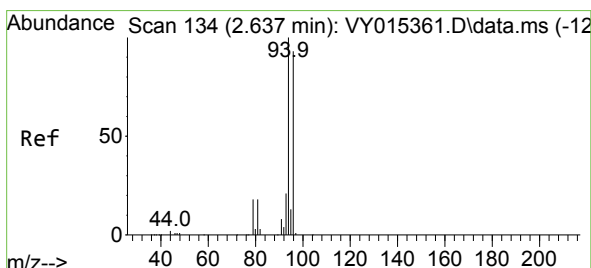
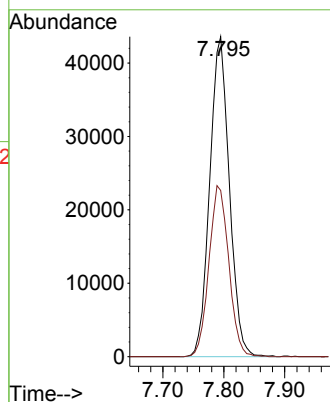
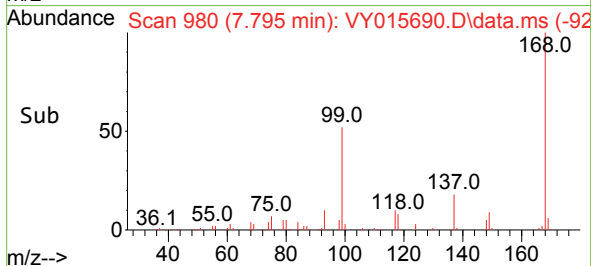


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015690.D
Acq: 22 Sep 2023 17:28

Instrument :
MSVOA_Y
ClientSampleId :

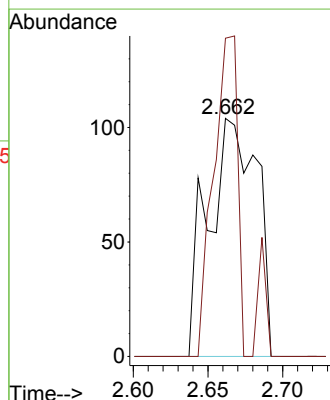
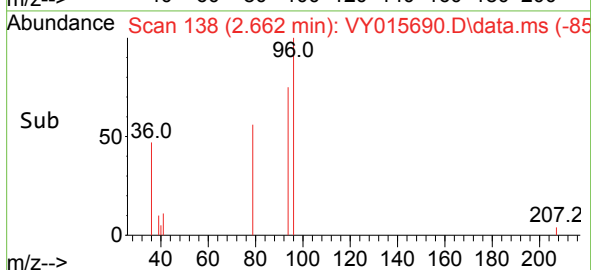
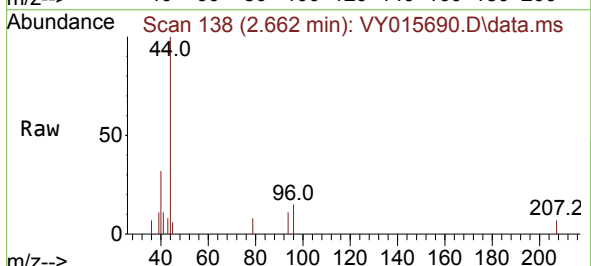


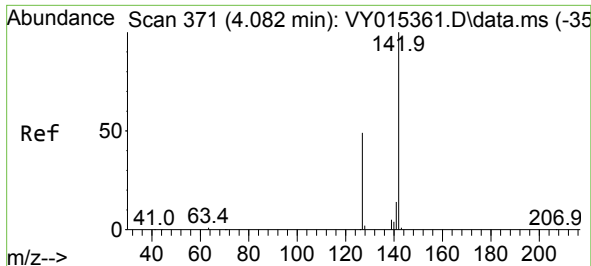
Tgt Ion:168 Resp: 97384
Ion Ratio Lower Upper
168 100
99 51.9 43.4 65.0



#5
Bromomethane
Concen: 2.799 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.025 min
Lab File: VY015690.D
Acq: 22 Sep 2023 17:28

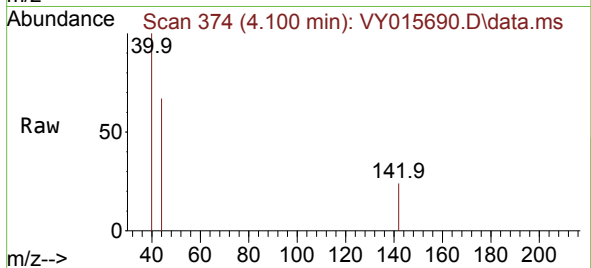
Tgt Ion: 94 Resp: 235
Ion Ratio Lower Upper
94 100
96 133.7 75.8 113.6#



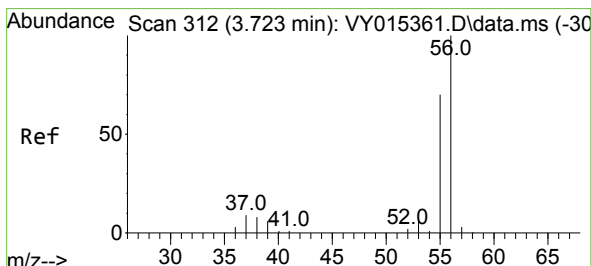
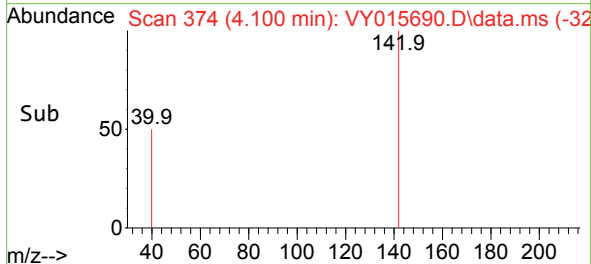
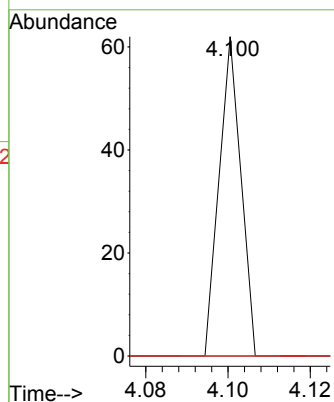


#10
Methyl Iodide
Concen: 2.748 ug/l
RT: 4.100 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY015690.D
Acq: 22 Sep 2023 17:28

Instrument :
MSVOA_Y
ClientSampleId :

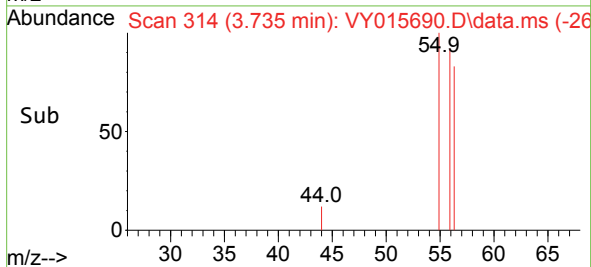
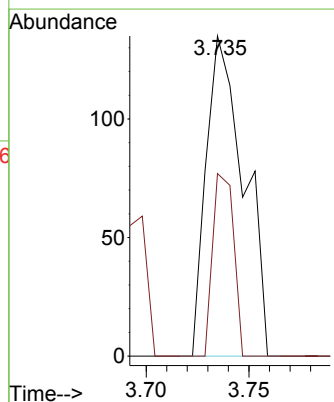
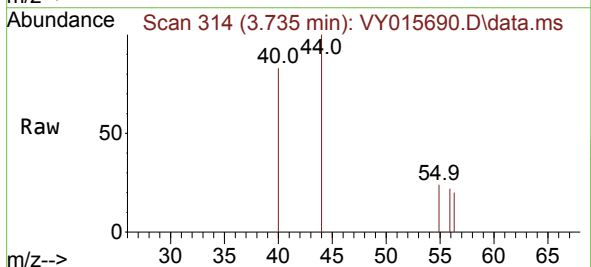


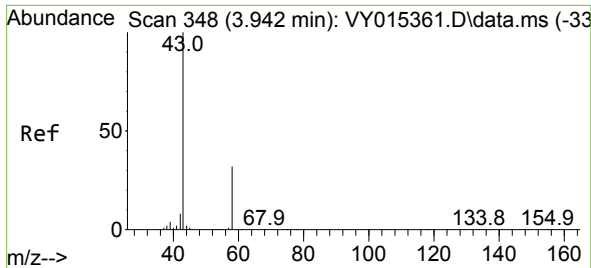
Tgt Ion:142 Resp: 23
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#13
Acrolein
Concen: 1.054 ug/l
RT: 3.735 min Scan# 314
Delta R.T. 0.012 min
Lab File: VY015690.D
Acq: 22 Sep 2023 17:28

Tgt Ion: 56 Resp: 173
Ion Ratio Lower Upper
56 100
55 31.8 57.0 85.4#





#16

Acetone

Concen: 14.501 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY015690.D

Acq: 22 Sep 2023 17:28

Instrument :

MSVOA_Y

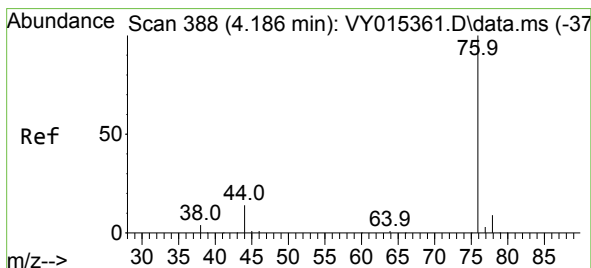
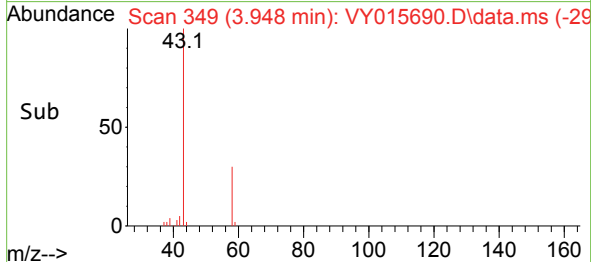
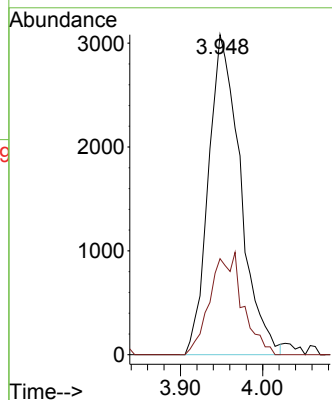
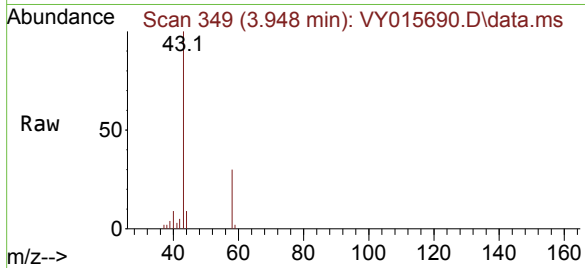
ClientSampleId :

Tgt Ion: 43 Resp: 8315

Ion Ratio Lower Upper

43 100

58 30.0 22.7 34.1



#17

Carbon Disulfide

Concen: 44.773 ug/l

RT: 4.198 min Scan# 390

Delta R.T. 0.012 min

Lab File: VY015690.D

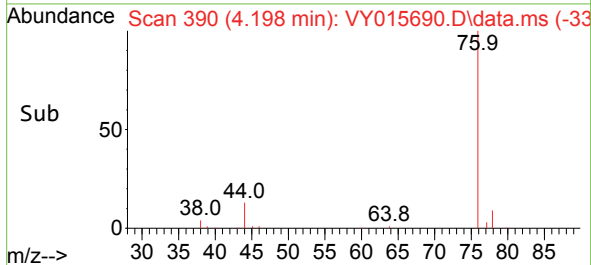
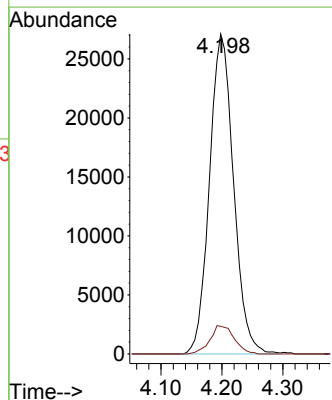
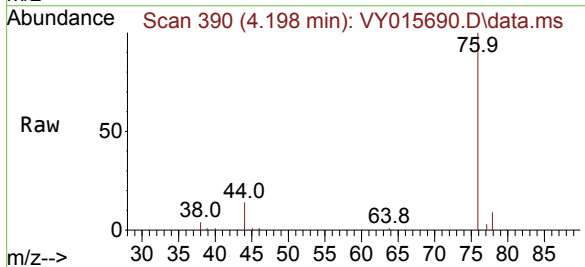
Acq: 22 Sep 2023 17:28

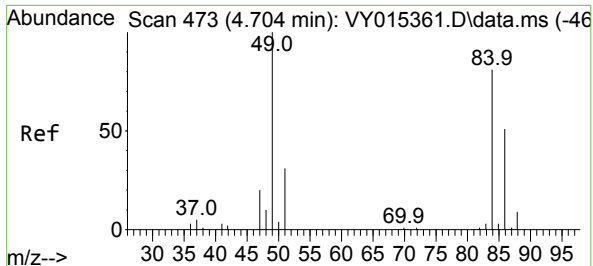
Tgt Ion: 76 Resp: 74520

Ion Ratio Lower Upper

76 100

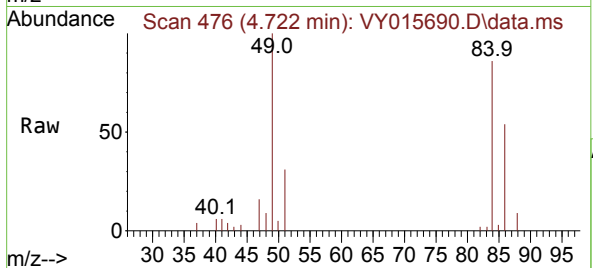
78 8.7 7.0 10.4



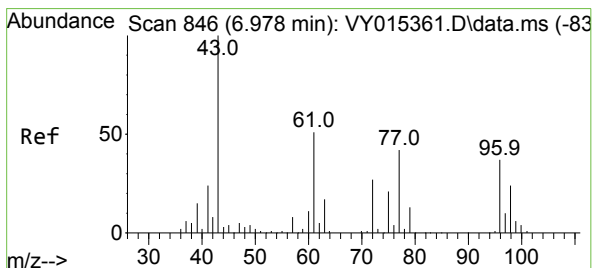
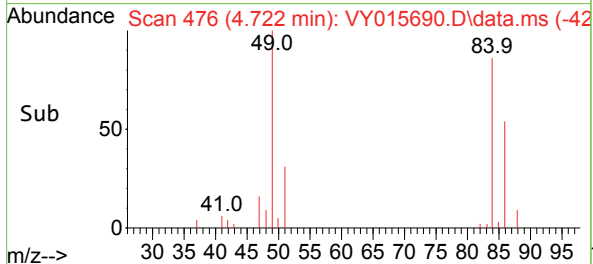
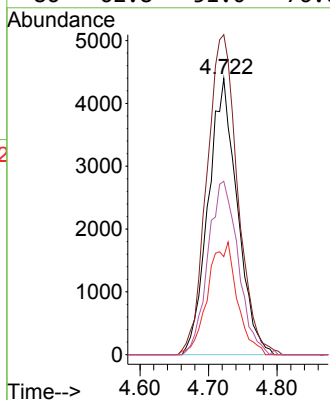


#20
Methylene Chloride
Concen: 6.065 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.018 min
Lab File: VY015690.D
Acq: 22 Sep 2023 17:28

Instrument :
MSVOA_Y
ClientSampleId :

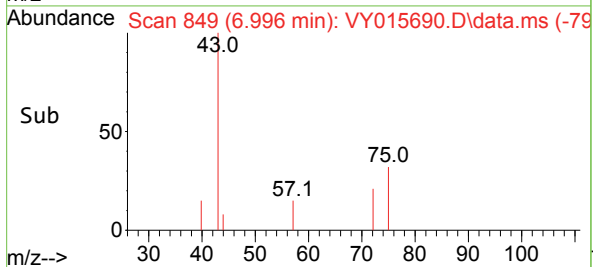
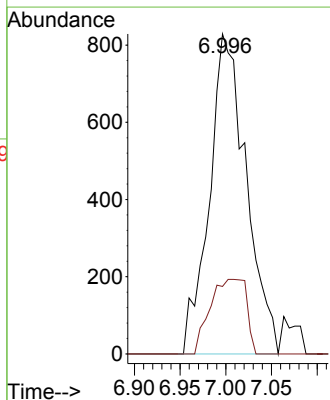
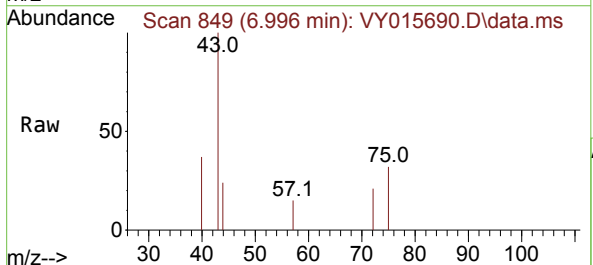


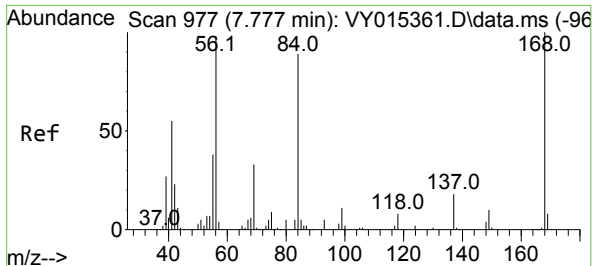
Tgt Ion: 84	Resp: 12957		
Ion	Ratio	Lower	Upper
84	100		
49	115.9	106.9	160.3
51	35.5	33.2	49.8
86	62.8	51.0	76.6



#25
2-Butanone
Concen: 2.867 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.018 min
Lab File: VY015690.D
Acq: 22 Sep 2023 17:28

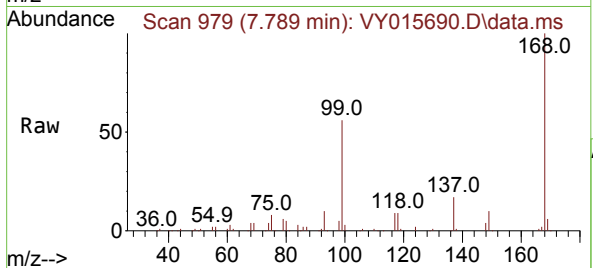
Tgt Ion: 43	Resp: 2324		
Ion Ratio	Lower	Upper	
43 100			
72 21.1	20.5	30.7	



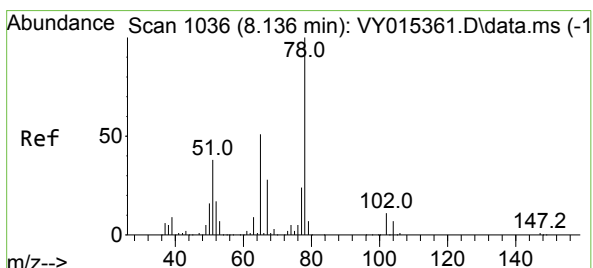
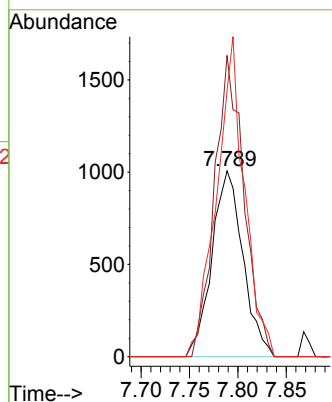
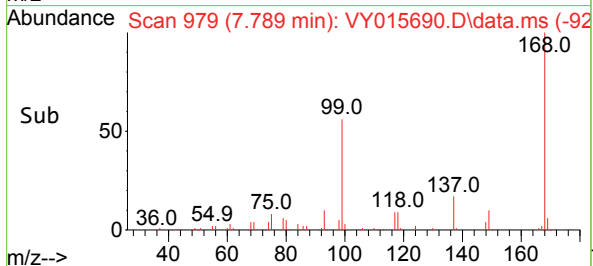


#31
Cyclohexane
Concen: 1.514 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015690.D
Acq: 22 Sep 2023 17:28

Instrument :
MSVOA_Y
ClientSampleId :

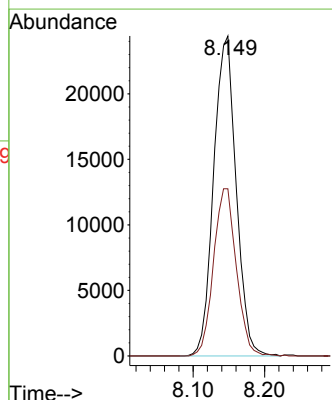
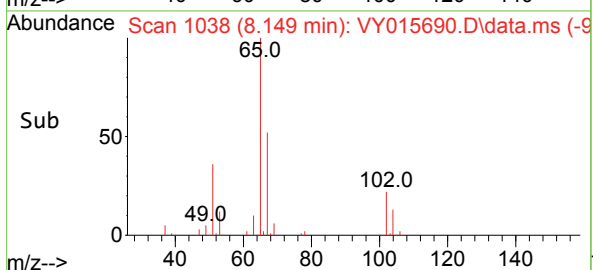
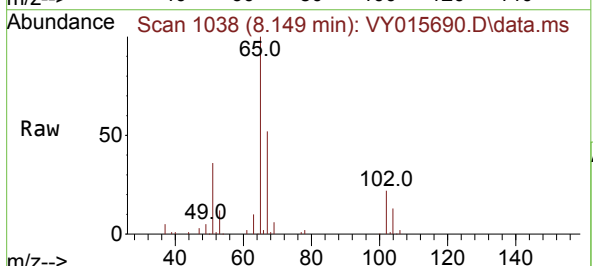


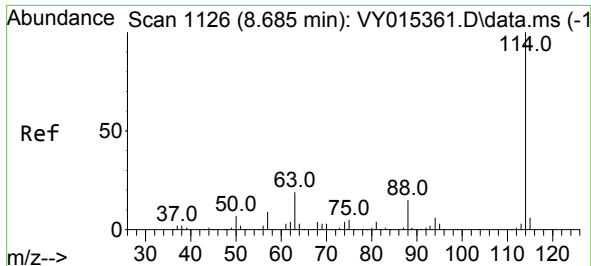
Tgt Ion: 56 Resp: 2248
Ion Ratio Lower Upper
56 100
69 162.2 27.8 41.6#
84 143.2 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 49.757 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.013 min
Lab File: VY015690.D
Acq: 22 Sep 2023 17:28

Tgt Ion: 65 Resp: 53314
Ion Ratio Lower Upper
65 100
67 53.2 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015690.D

Acq: 22 Sep 2023 17:28

Instrument :

MSVOA_Y

ClientSampleId :

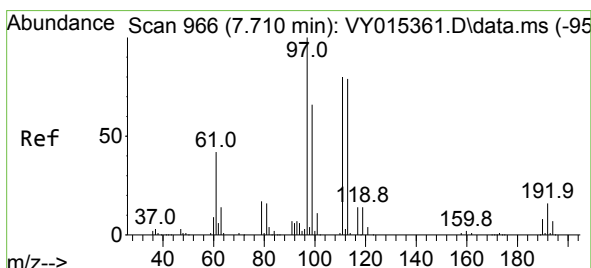
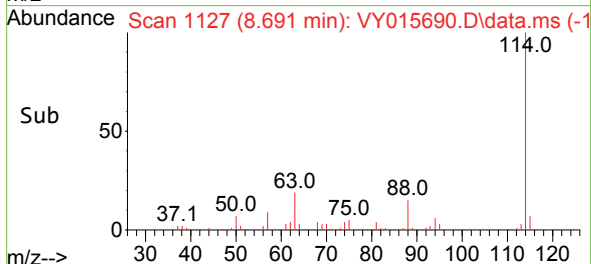
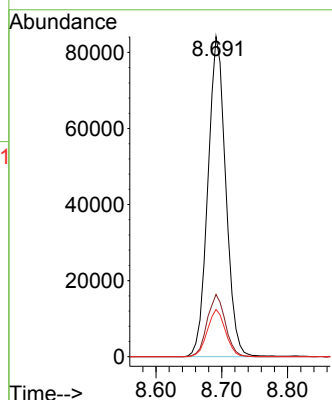
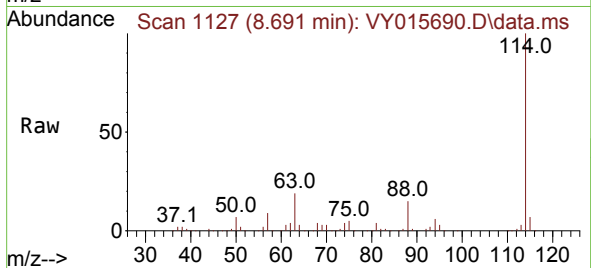
Tgt Ion:114 Resp: 159065

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.315 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY015690.D

Acq: 22 Sep 2023 17:28

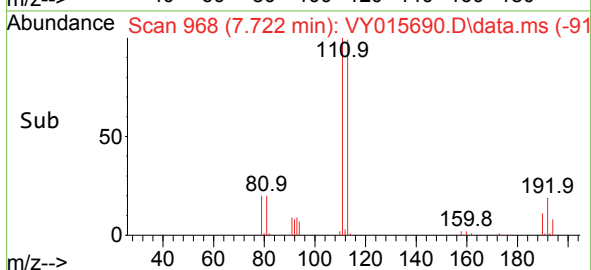
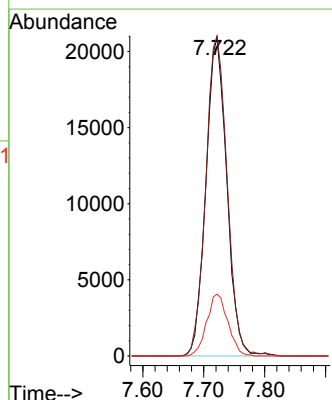
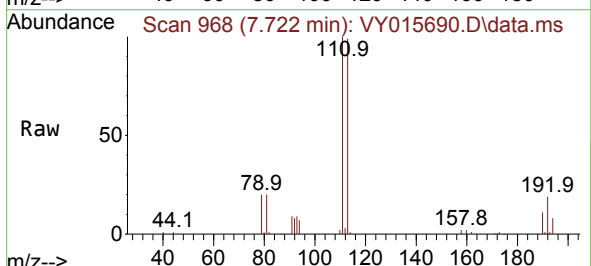
Tgt Ion:113 Resp: 49807

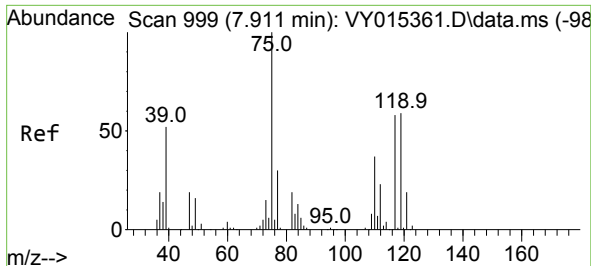
Ion Ratio Lower Upper

113 100

111 102.7 81.3 121.9

192 19.6 16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.314 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

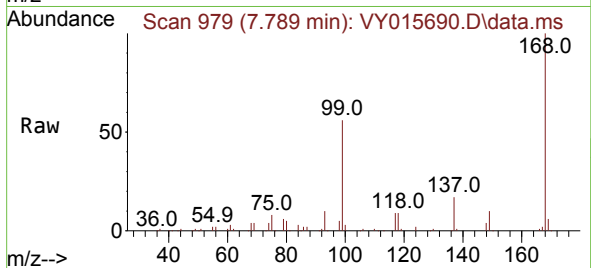
Lab File: VY015690.D

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MSVOA_Y

ClientSampleId :



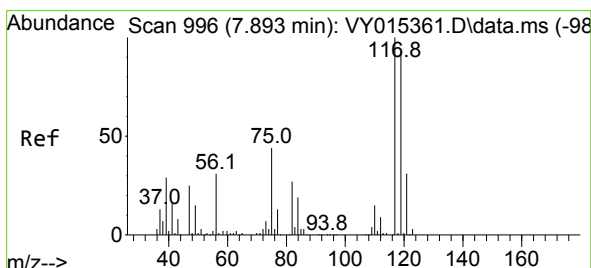
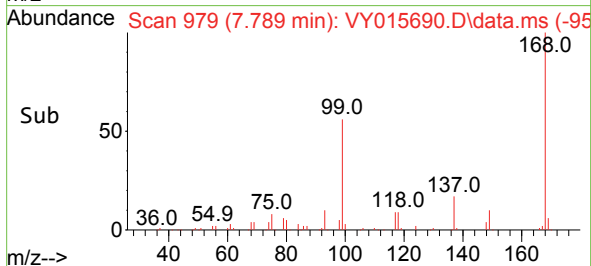
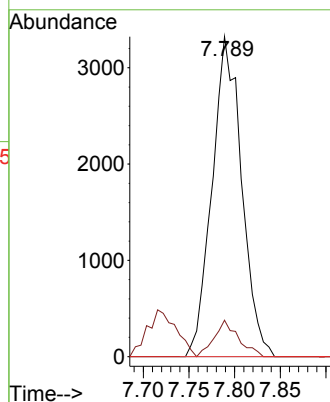
Tgt Ion: 75 Resp: 7481

Ion Ratio Lower Upper

75 100

110 9.3 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.208 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.098 min

Lab File: VY015690.D

Acq: 22 Sep 2023 17:28

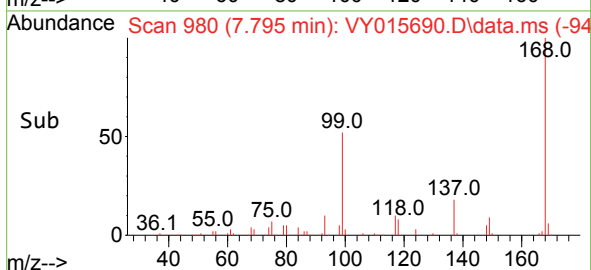
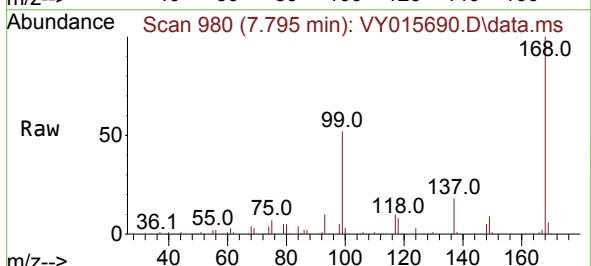
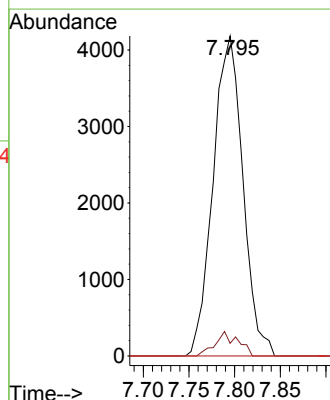
Tgt Ion: 117 Resp: 9486

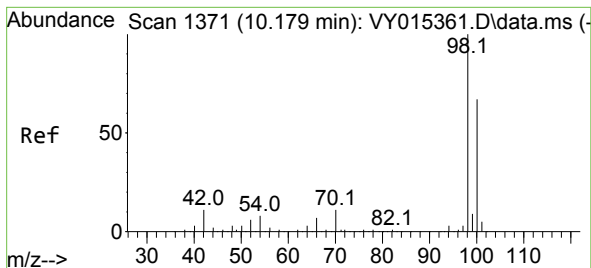
Ion Ratio Lower Upper

117 100

119 3.9 76.4 114.6#

121 0.0 25.8 38.6#

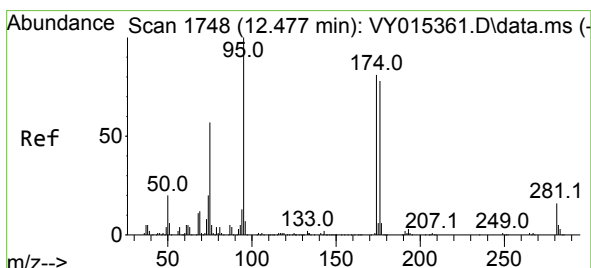
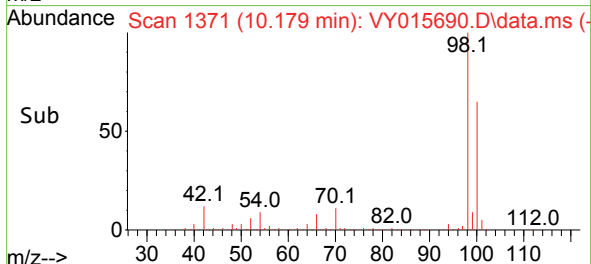
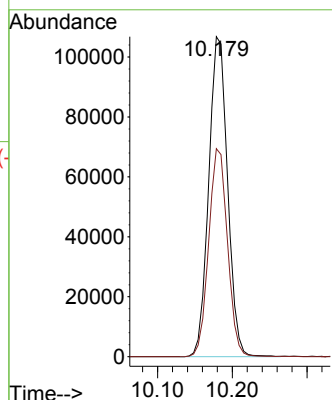
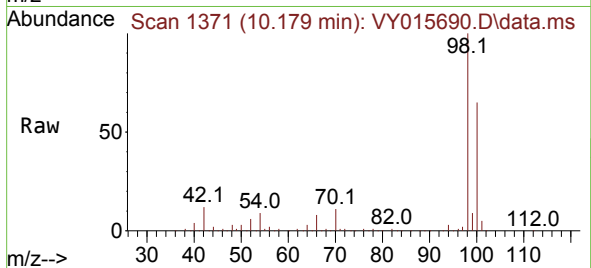




#50
Toluene-d8
Concen: 57.940 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015690.D
Acq: 22 Sep 2023 17:28

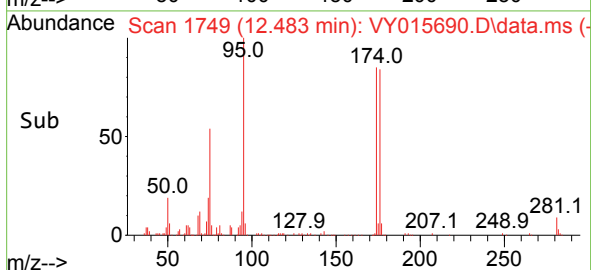
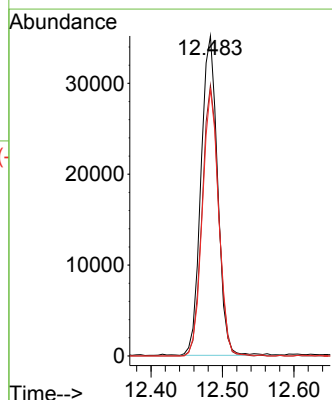
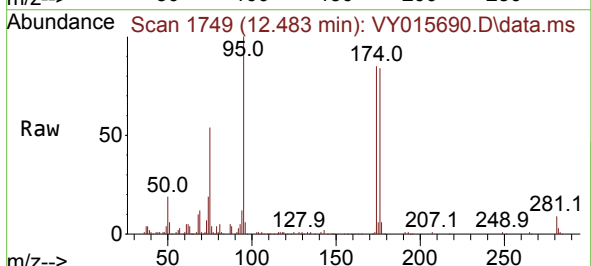
Instrument :
MSVOA_Y
ClientSampleId :

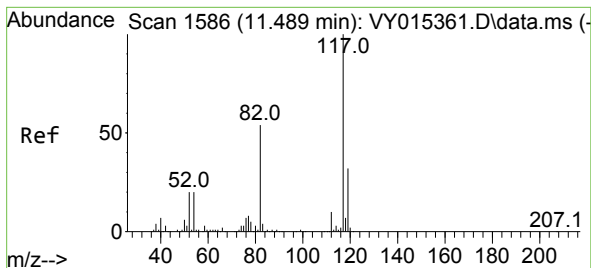
Tgt Ion: 98 Resp: 187034
Ion Ratio Lower Upper
98 100
100 64.8 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 44.844 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015690.D
Acq: 22 Sep 2023 17:28

Tgt Ion: 95 Resp: 56809
Ion Ratio Lower Upper
95 100
174 83.6 0.0 178.2
176 81.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015690.D

Acq: 22 Sep 2023 17:28

Instrument :

MSVOA_Y

ClientSampleId :

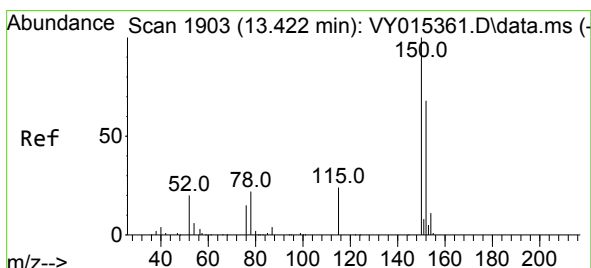
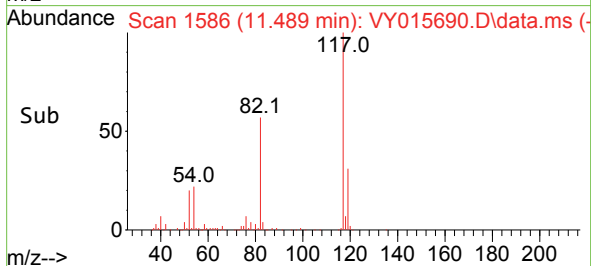
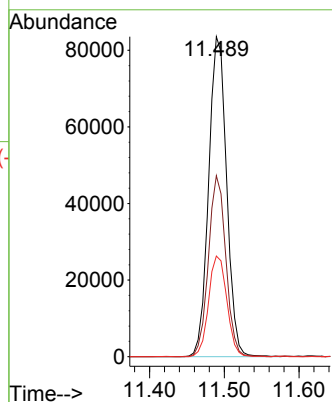
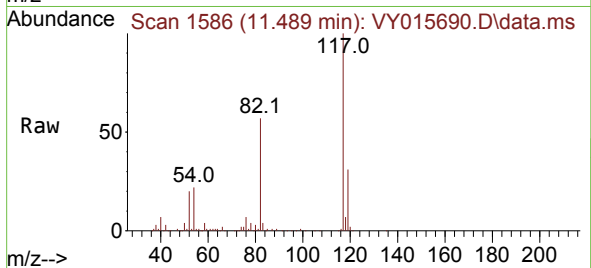
Tgt Ion:117 Resp: 139660

Ion Ratio Lower Upper

117 100

82 56.5 43.4 65.0

119 31.4 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: VY015690.D

Acq: 22 Sep 2023 17:28

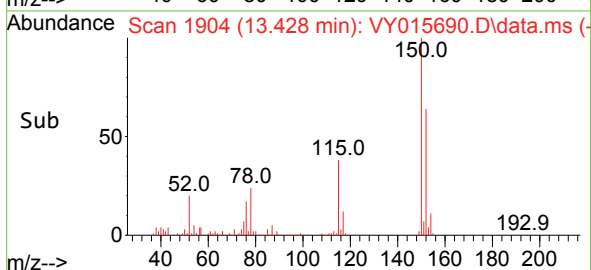
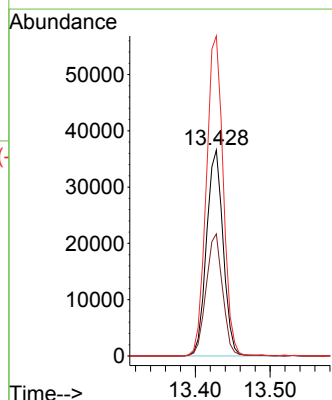
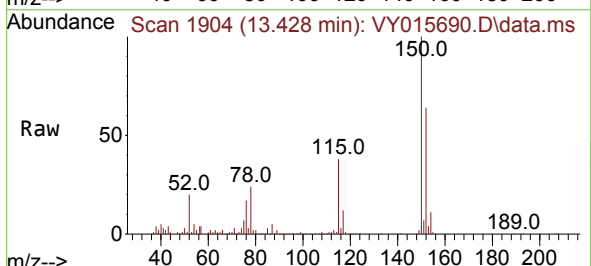
Tgt Ion:152 Resp: 56521

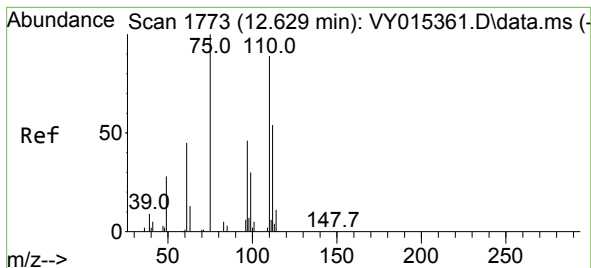
Ion Ratio Lower Upper

152 100

115 59.1 28.8 86.5

150 157.3 0.0 348.8

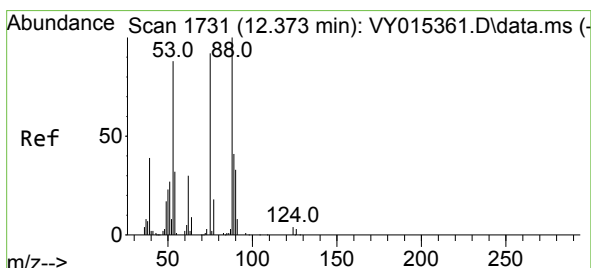
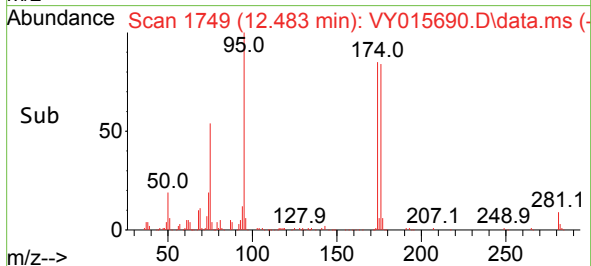
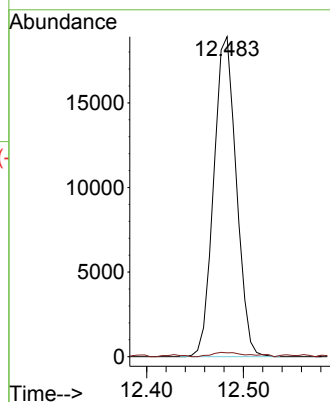
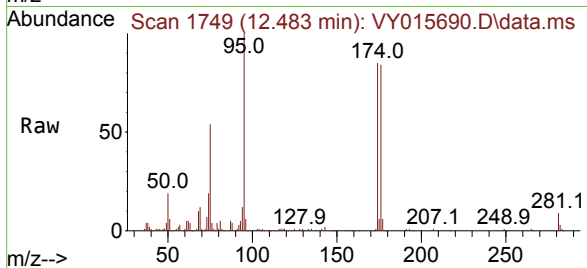




#76
1,2,3-Trichloropropane
Concen: 33.978 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015690.D
Acq: 22 Sep 2023 17:28

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 30638
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.515 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY015690.D
Acq: 22 Sep 2023 17:28

Tgt Ion: 75 Resp: 30638
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

