

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091523\
 Data File : VY015594.D
 Acq On : 16 Sep 2023 02:00
 Operator : SY/MD
 Sample : 04419-06
 Misc : 5.96g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 16 05:28:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

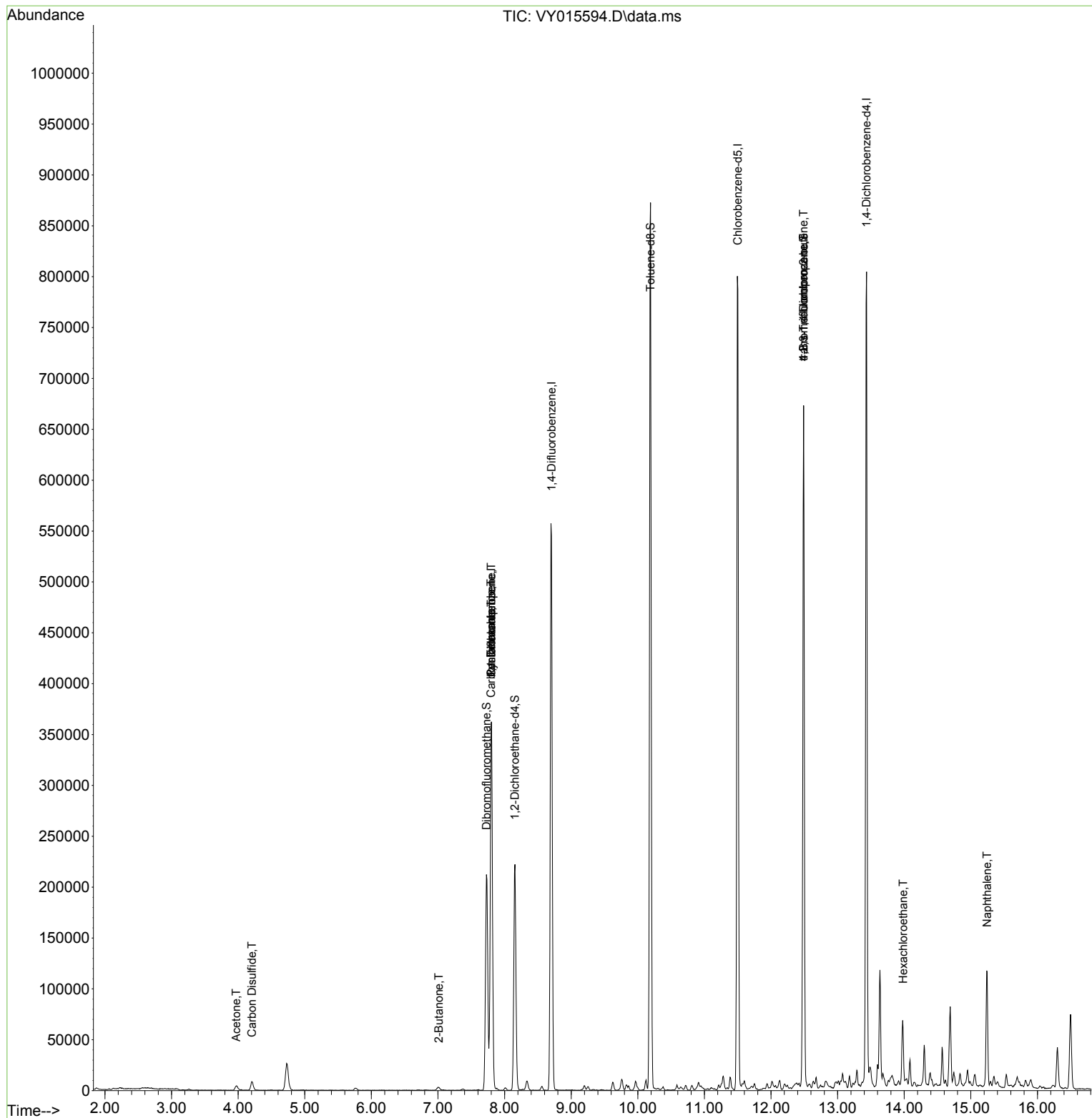
Internal Standards						
1) Pentafluorobenzene	7.801	168	287649	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.703	114	489776	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.502	117	443834	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	206301	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	173860	56.383	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.760%	
35) Dibromofluoromethane	7.728	113	151947	53.863	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.720%	
50) Toluene-d8	10.191	98	571836	55.975	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.960%	
62) 4-Bromofluorobenzene	12.489	95	196257	51.748	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.500%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	139	Below Cal	#	89
16) Acetone	3.973	43	8836	6.865	ug/l	93
17) Carbon Disulfide	4.204	76	17164	2.008	ug/l	98
20) Methylene Chloride	4.735	84	20230	Below Cal		88
25) 2-Butanone	7.015	43	2967	1.625	ug/l	94
31) Cyclohexane	7.801	56	6137	1.120	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	21791	4.399	ug/l #	50
38) Carbon Tetrachloride	7.795	117	28221	5.516	ug/l #	15
76) 1,2,3-Trichloropropane	12.489	75	104601	38.235	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	104601	84.341	ug/l #	10
90) Hexachloroethane	13.983	117	2920	1.150	ug/l #	8
95) Naphthalene	15.245	128	96518	9.383	ug/l	100

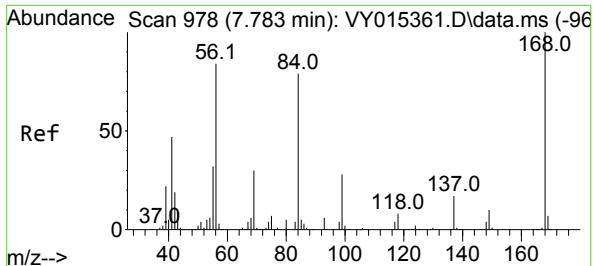
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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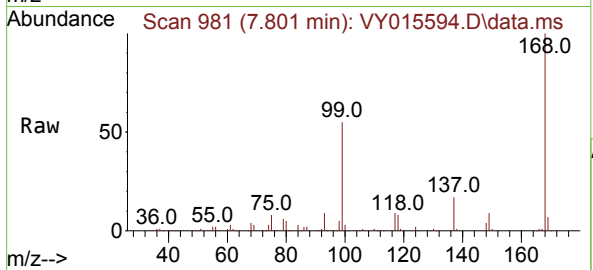
Quant Time: Sep 16 05:28:13 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260
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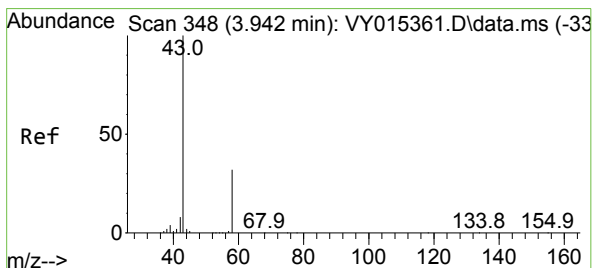
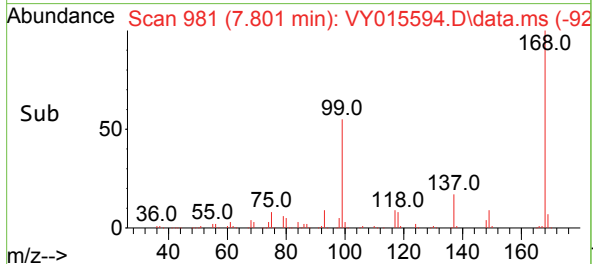
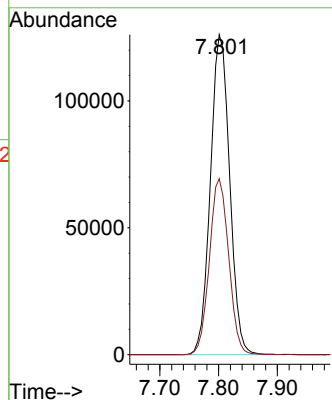


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY015594.D
Acq: 16 Sep 2023 02:00

Instrument :
MSVOA_Y
ClientSampleId :

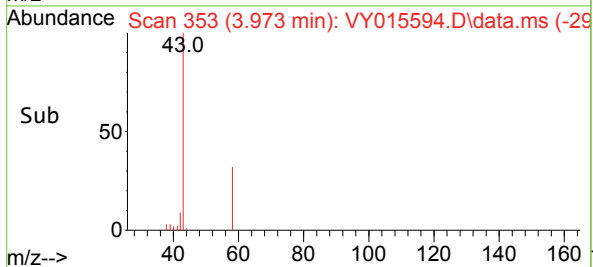
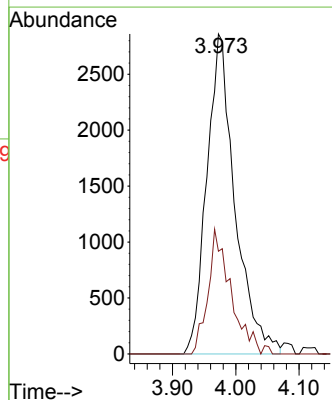
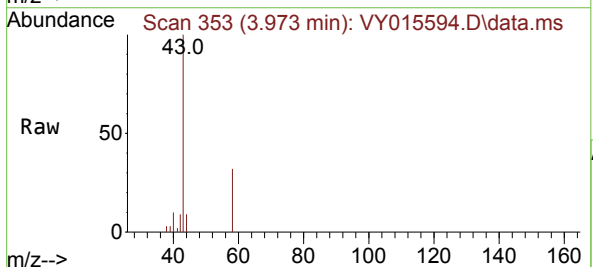


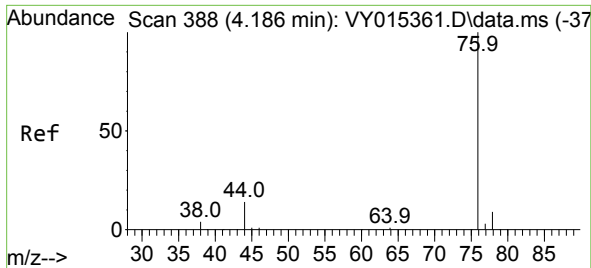
Tgt Ion:168 Resp: 287649
Ion Ratio Lower Upper
168 100
99 55.0 43.4 65.0



#16
Acetone
Concen: 6.865 ug/l
RT: 3.973 min Scan# 353
Delta R.T. 0.031 min
Lab File: VY015594.D
Acq: 16 Sep 2023 02:00

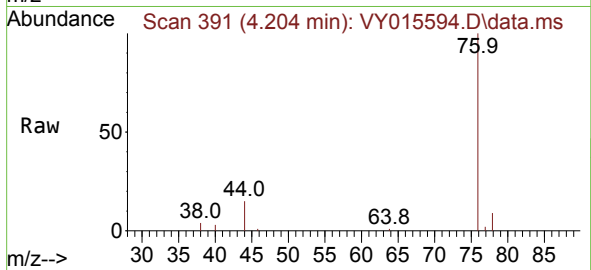
Tgt Ion: 43 Resp: 8836
Ion Ratio Lower Upper
43 100
58 32.1 22.7 34.1



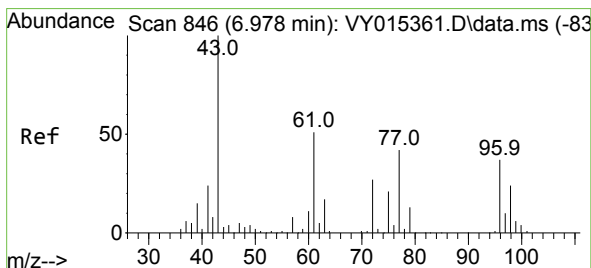
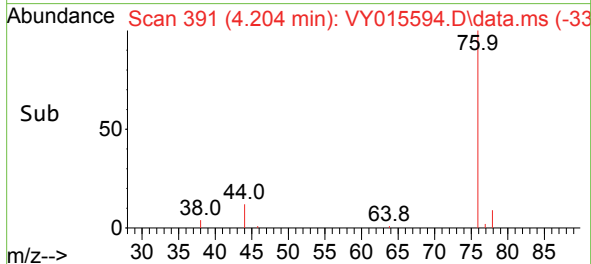
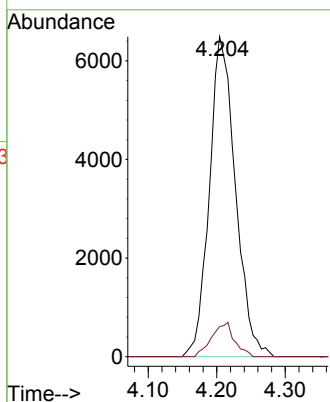


#17
Carbon Disulfide
Concen: 2.008 ug/l
RT: 4.204 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY015594.D
Acq: 16 Sep 2023 02:00

Instrument :
MSVOA_Y
ClientSampleId :

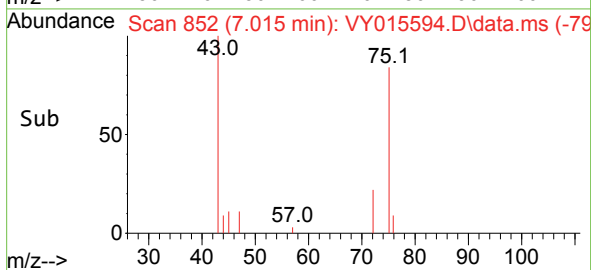
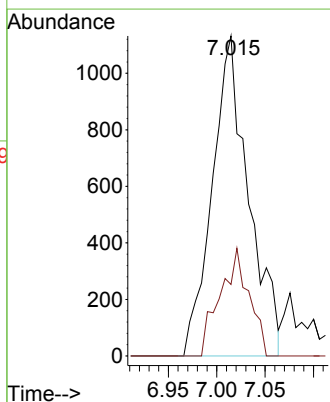
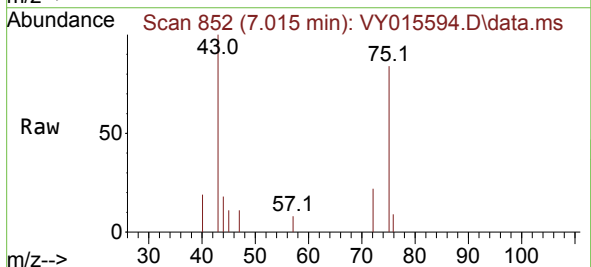


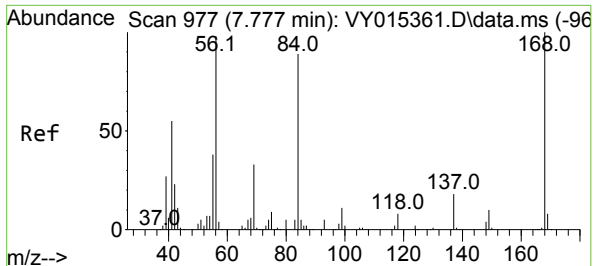
Tgt Ion: 76 Resp: 17164
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.4



#25
2-Butanone
Concen: 1.625 ug/l
RT: 7.015 min Scan# 852
Delta R.T. 0.037 min
Lab File: VY015594.D
Acq: 16 Sep 2023 02:00

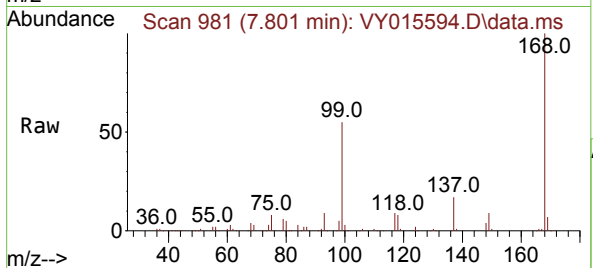
Tgt Ion: 43 Resp: 2967
Ion Ratio Lower Upper
43 100
72 22.3 20.5 30.7



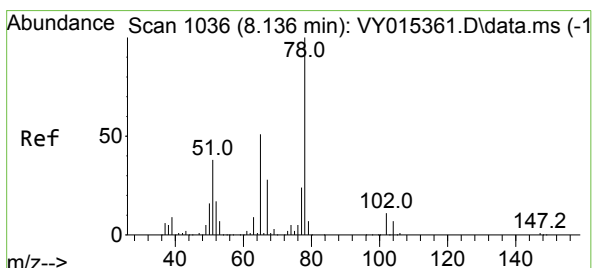
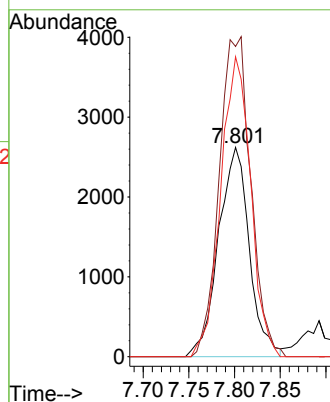
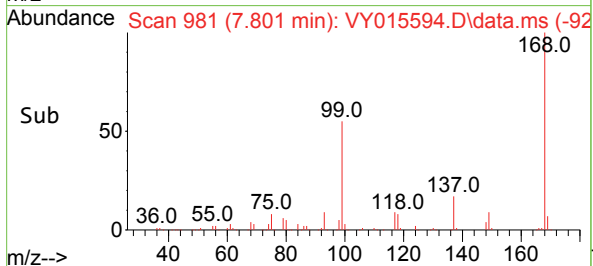


#31
Cyclohexane
Concen: 1.120 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY015594.D
Acq: 16 Sep 2023 02:00

Instrument :
MSVOA_Y
ClientSampleId :

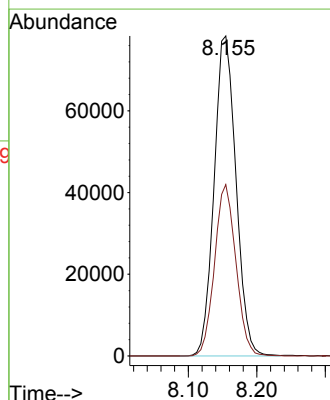
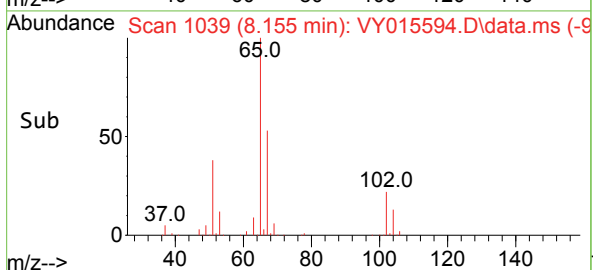
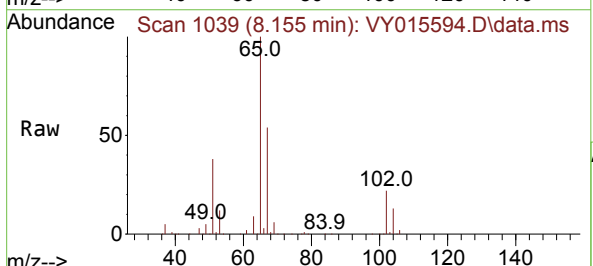


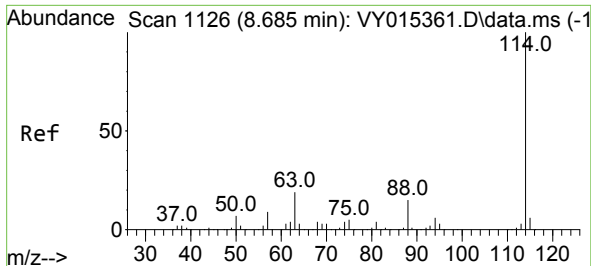
Tgt Ion: 56 Resp: 6137
Ion Ratio Lower Upper
56 100
69 148.2 27.8 41.6#
84 143.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 56.383 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.018 min
Lab File: VY015594.D
Acq: 16 Sep 2023 02:00

Tgt Ion: 65 Resp: 173860
Ion Ratio Lower Upper
65 100
67 52.2 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1126

Delta R.T. 0.018 min

Lab File: VY015594.D

Acq: 16 Sep 2023 02:00

Instrument :

MSVOA_Y

ClientSampleId :

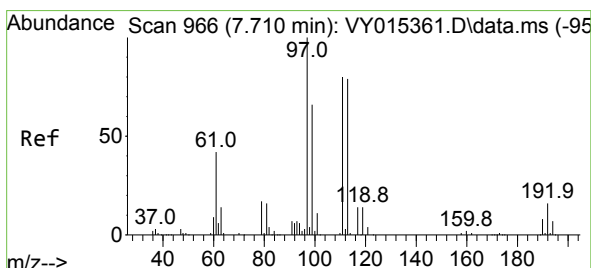
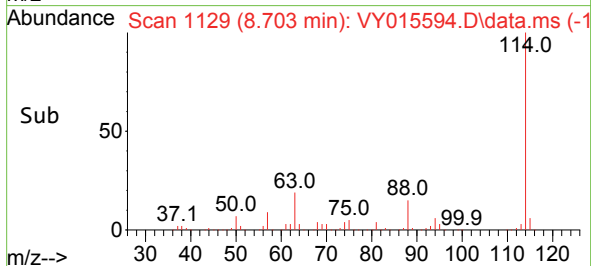
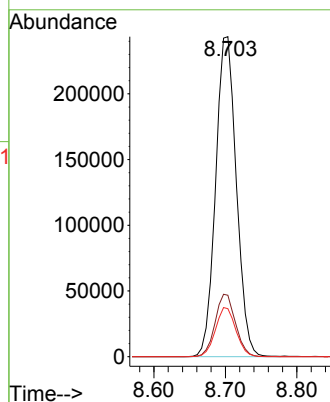
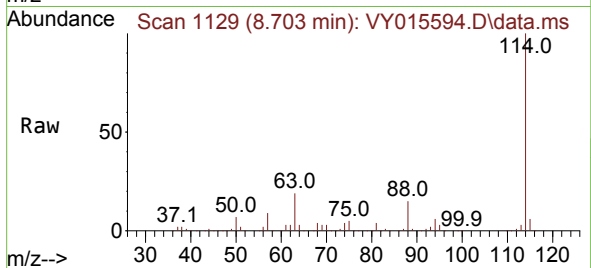
Tgt Ion:114 Resp: 489776

Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.863 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY015594.D

Acq: 16 Sep 2023 02:00

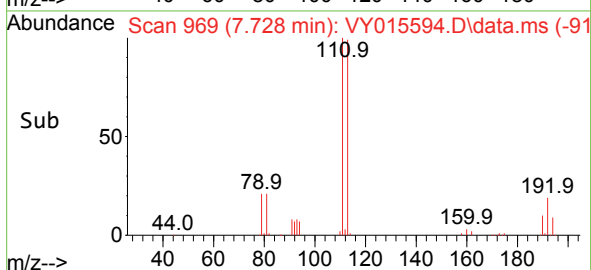
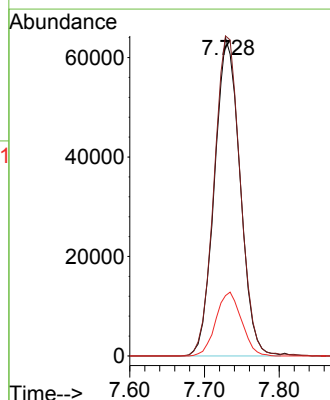
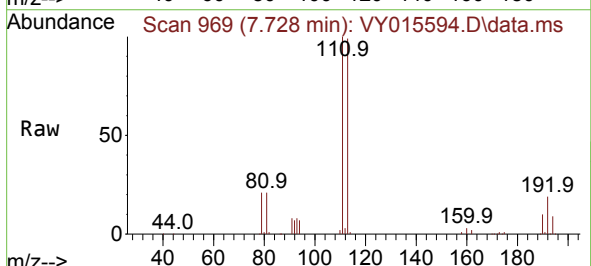
Tgt Ion:113 Resp: 151947

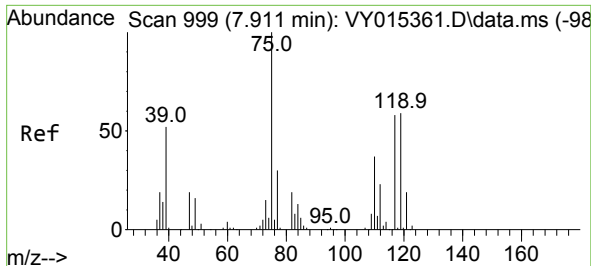
Ion Ratio Lower Upper

113 100

111 102.8 81.3 121.9

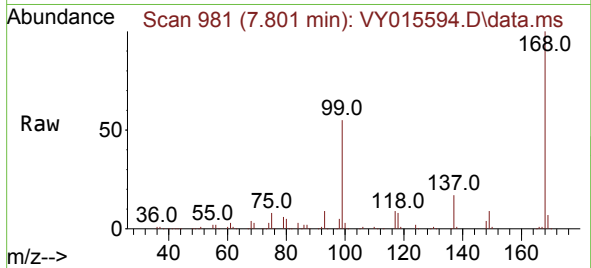
192 20.1 16.9 25.3



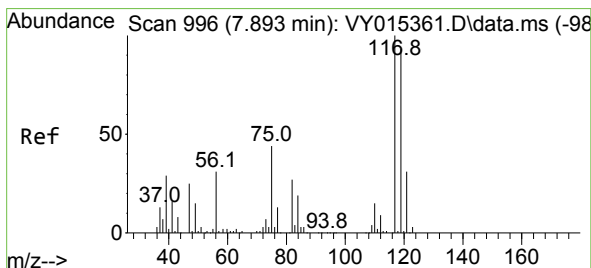
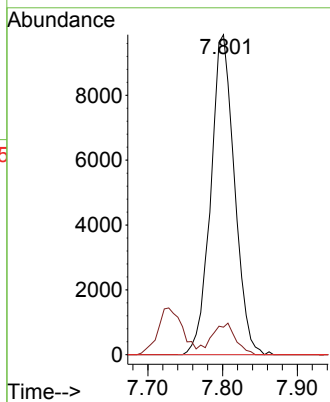
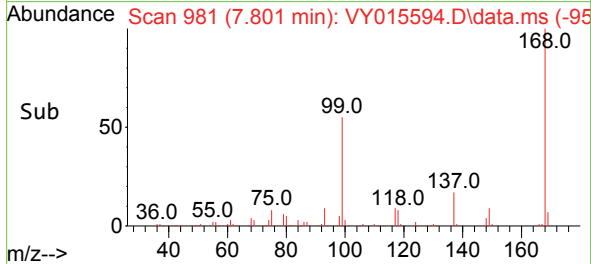


#36
 1,1-Dichloropropene
 Concen: 4.399 ug/l
 RT: 7.801 min Scan# 91
 Delta R.T. -0.110 min
 Lab File: VY015594.D
 Acq: 16 Sep 2023 02:00

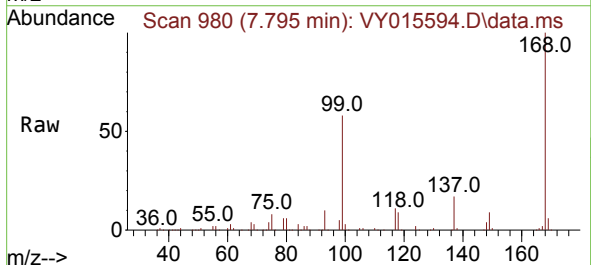
Instrument :
 MSVOA_Y
 ClientSampleId :



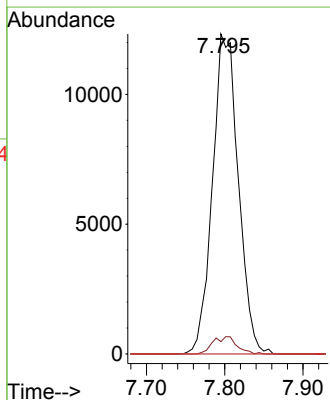
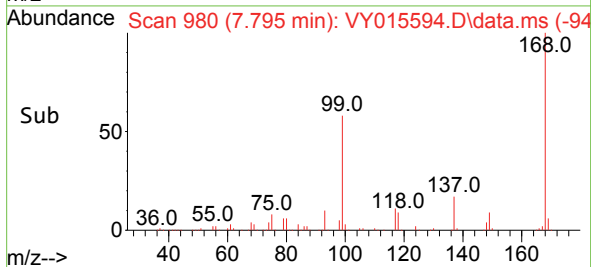
Tgt Ion: 75 Resp: 21791
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.8 53.5#
 77 0.0 24.4 36.6#

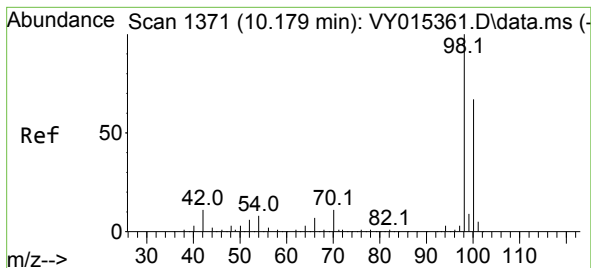


#38
 Carbon Tetrachloride
 Concen: 5.516 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.098 min
 Lab File: VY015594.D
 Acq: 16 Sep 2023 02:00



Tgt Ion: 117 Resp: 28221
 Ion Ratio Lower Upper
 117 100
 119 3.9 76.4 114.6#
 121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 55.975 ug/l

RT: 10.191 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY015594.D

Acq: 16 Sep 2023 02:00

Instrument :

MSVOA_Y

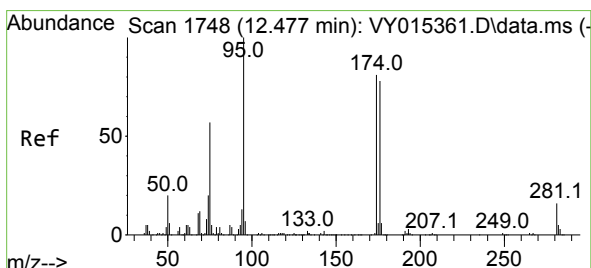
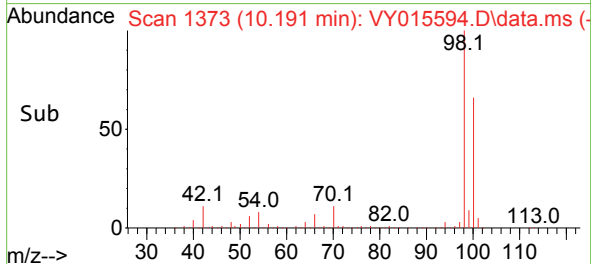
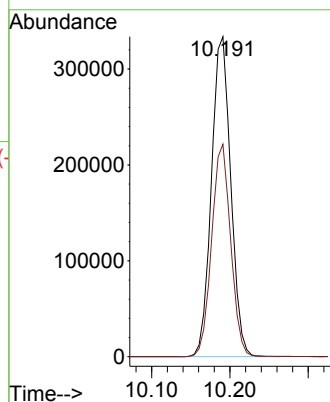
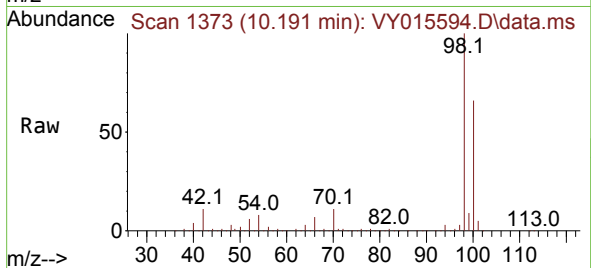
ClientSampleId :

Tgt Ion: 98 Resp: 571836

Ion Ratio Lower Upper

98 100

100 65.4 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 51.748 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.012 min

Lab File: VY015594.D

Acq: 16 Sep 2023 02:00

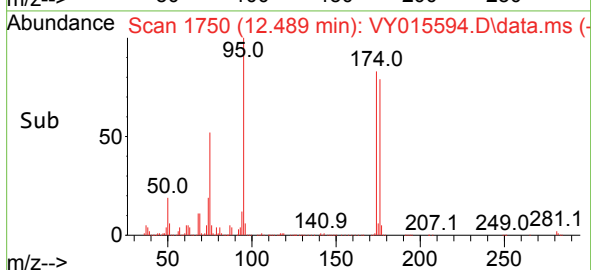
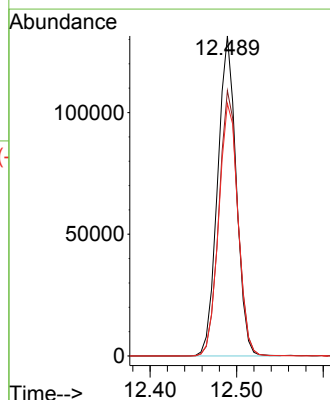
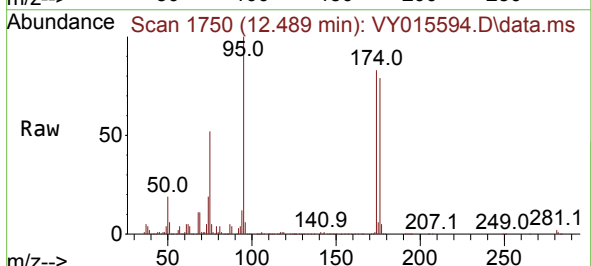
Tgt Ion: 95 Resp: 196257

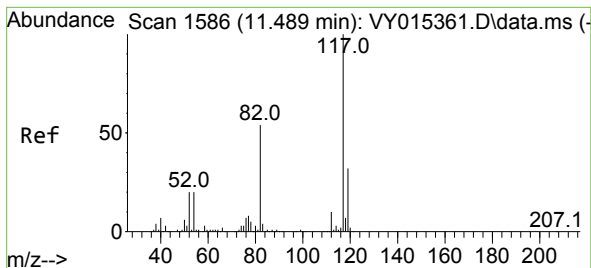
Ion Ratio Lower Upper

95 100

174 84.2 0.0 178.2

176 82.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY015594.D

Acq: 16 Sep 2023 02:00

Instrument :

MSVOA_Y

ClientSampleId :

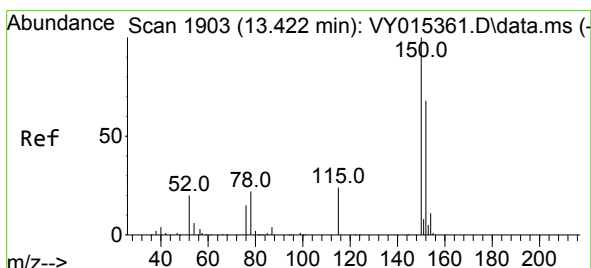
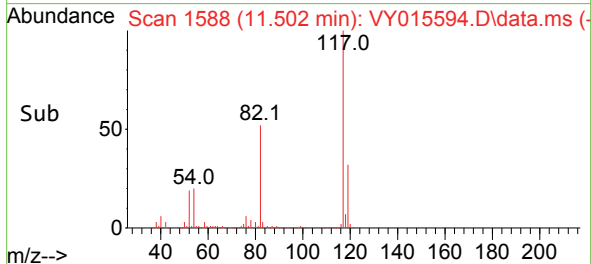
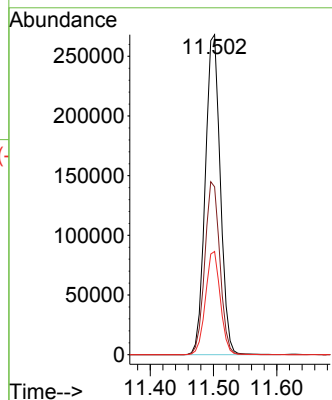
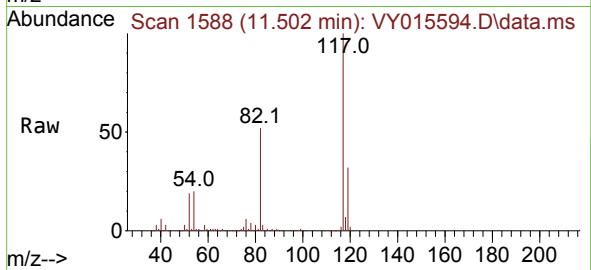
Tgt Ion:117 Resp: 443834

Ion Ratio Lower Upper

117 100

82 52.4 43.4 65.0

119 32.3 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.012 min

Lab File: VY015594.D

Acq: 16 Sep 2023 02:00

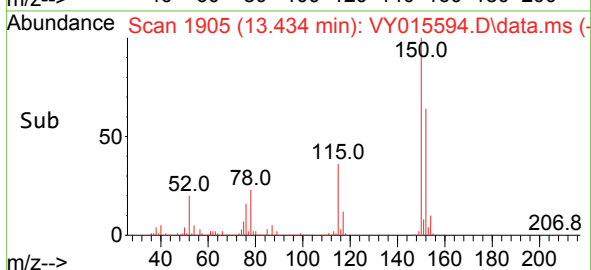
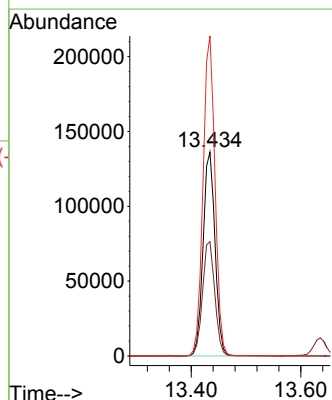
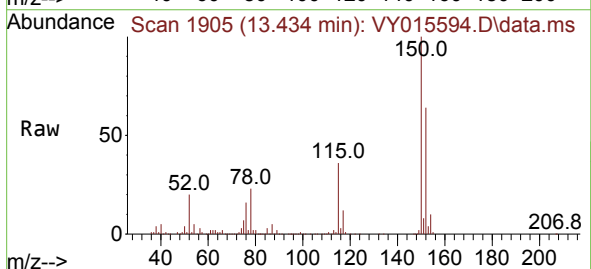
Tgt Ion:152 Resp: 206301

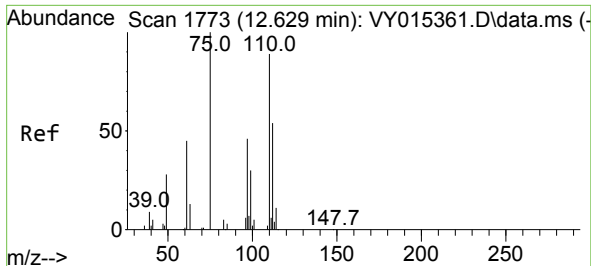
Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.5

150 156.6 0.0 348.8

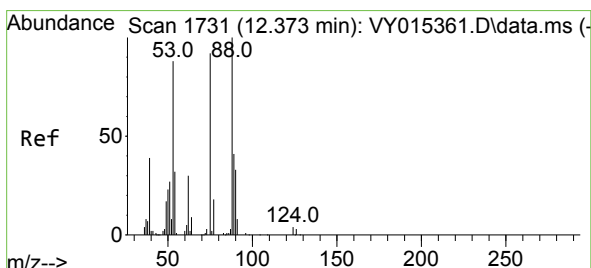
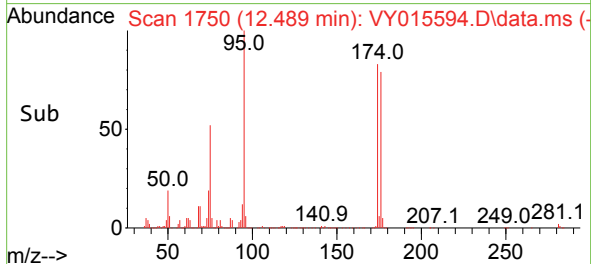
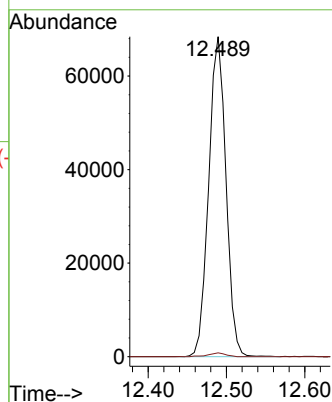
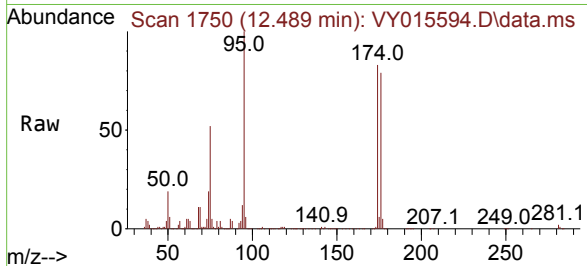




#76
1,2,3-Trichloropropane
Concen: 38.235 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.140 min
Lab File: VY015594.D
Acq: 16 Sep 2023 02:00

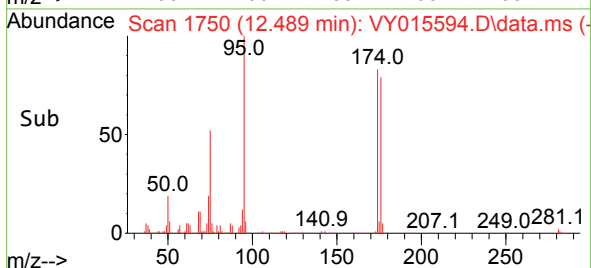
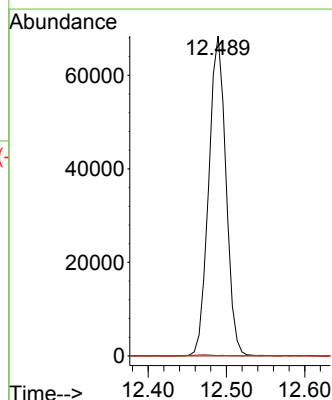
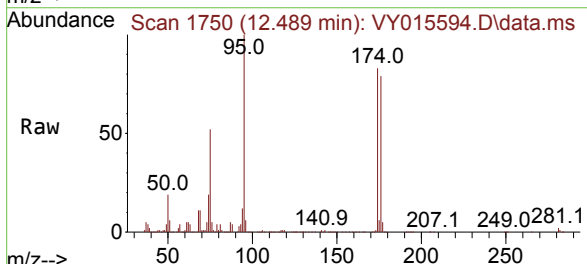
Instrument :
MSVOA_Y
ClientSampleId :

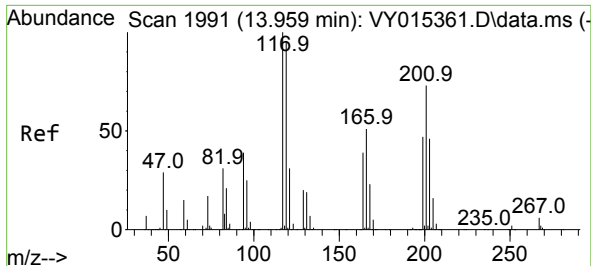
Tgt Ion: 75 Resp: 104601
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.341 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY015594.D
Acq: 16 Sep 2023 02:00

Tgt Ion: 75 Resp: 104601
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

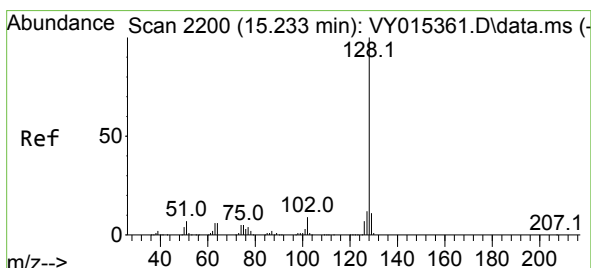
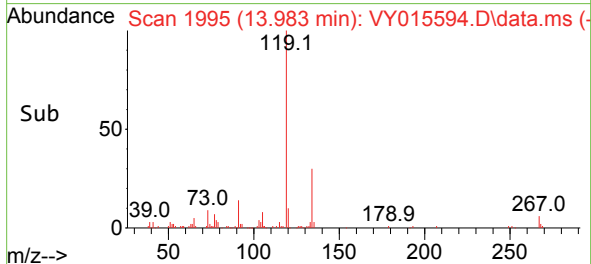
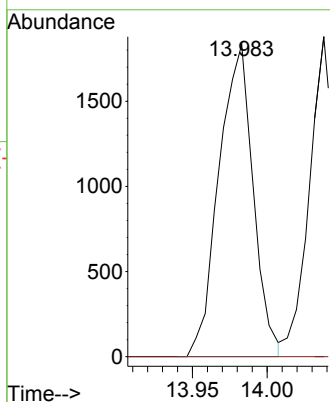
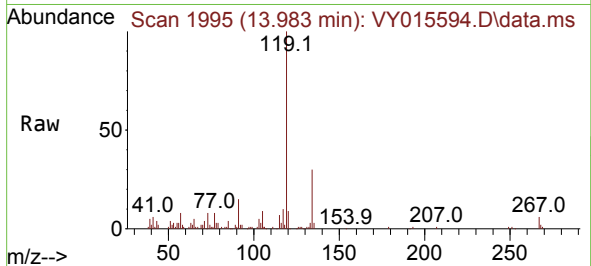




#90
Hexachloroethane
Concen: 1.150 ug/l
RT: 13.983 min Scan# 1995
Delta R.T. 0.024 min
Lab File: VY015594.D
Acq: 16 Sep 2023 02:00

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:117 Resp: 2920
Ion Ratio Lower Upper
117 100
201 0.0 41.6 124.8#



#95
Naphthalene
Concen: 9.383 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.012 min
Lab File: VY015594.D
Acq: 16 Sep 2023 02:00

Tgt Ion:128 Resp: 96518
Ion Ratio Lower Upper
128 100
127 13.3 10.8 16.2
129 10.9 8.6 13.0

