

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090723\
 Data File : VY015463.D
 Acq On : 07 Sep 2023 12:43
 Operator : SY/MD
 Sample : 04321-03
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 07 23:08:07 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)

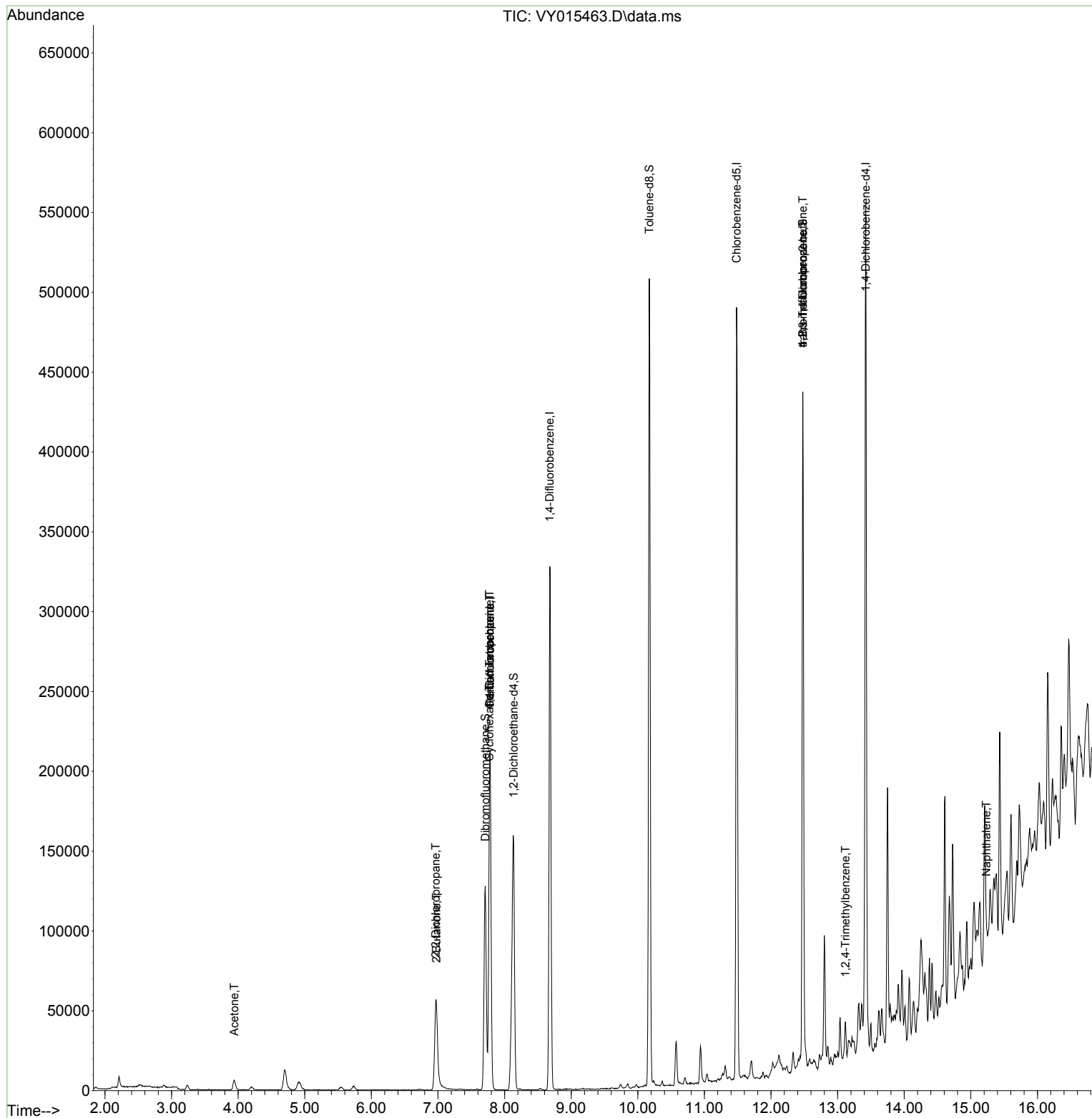
Internal Standards						
1) Pentafluorobenzene	7.783	168	168485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	280708	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	261456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	129825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	112345	62.202	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.400%	
35) Dibromofluoromethane	7.710	113	89882	55.592	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.180%	
50) Toluene-d8	10.173	98	331384	56.597	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 113.200%	
62) 4-Bromofluorobenzene	12.477	95	121006	55.670	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.340%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.911	59	6308	Below Cal	#	90
16) Acetone	3.942	43	10914	14.477	ug/l	89
20) Methylene Chloride	4.698	84	9151	Below Cal	#	92
25) 2-Butanone	6.978	43	4173	3.903	ug/l	# 76
26) 2,2-Dichloropropane	6.966	77	4478	1.564	ug/l	# 54
31) Cyclohexane	7.771	56	3638	1.134	ug/l	# 13
36) 1,1-Dichloropropene	7.777	75	12902	4.545	ug/l	# 50
38) Carbon Tetrachloride	7.777	117	16972	5.788	ug/l	# 16
76) 1,2,3-Trichloropropane	12.477	75	64826	37.654	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	64826	83.061	ug/l	# 11
84) 1,2,4-Trimethylbenzene	13.117	105	12381	1.529	ug/l	94
95) Naphthalene	15.233	128	9858	1.523	ug/l	# 87

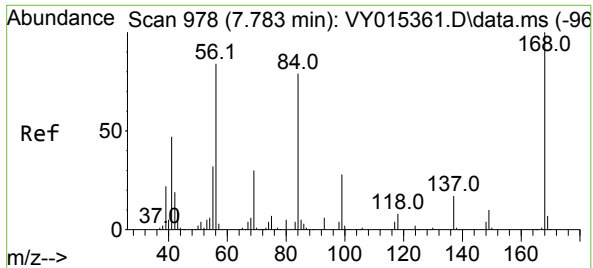
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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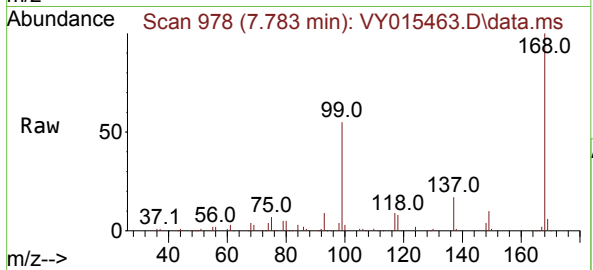
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 31 20:01:47 2023
Response via : Initial Calibration



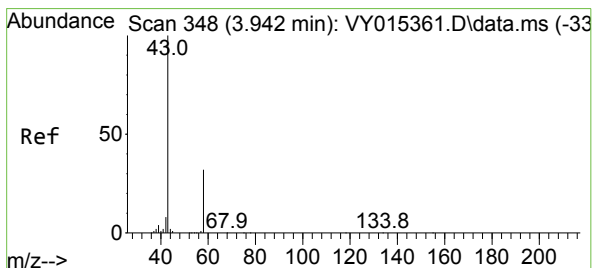
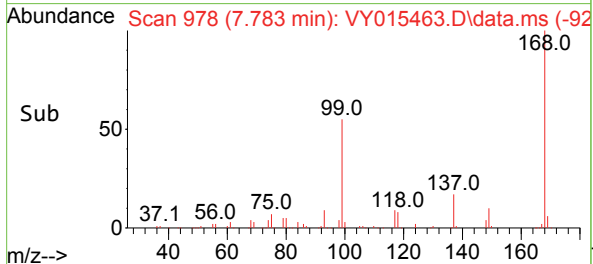
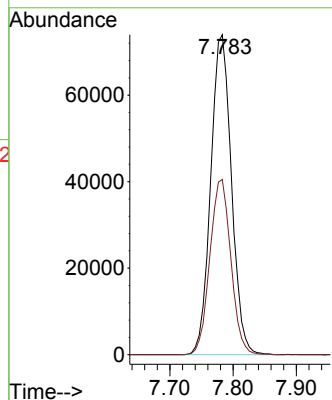


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015463.D
Acq: 07 Sep 2023 12:43

Instrument :
MSVOA_Y
ClientSampleId :

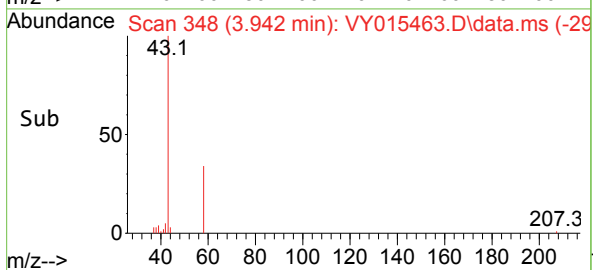
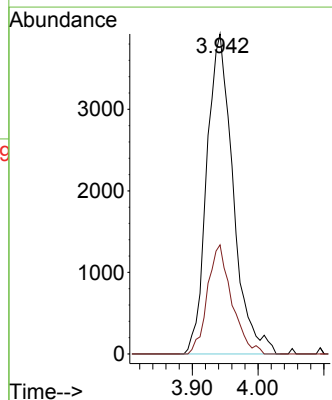
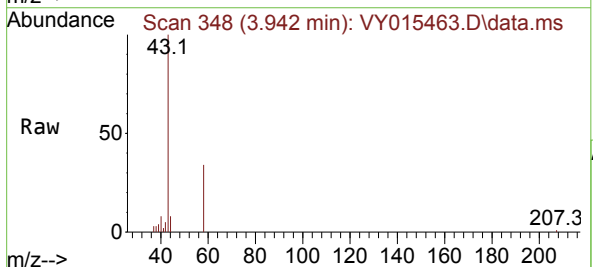


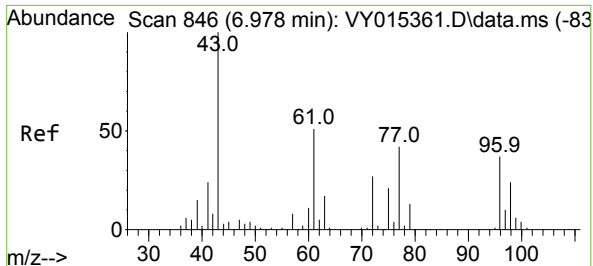
Tgt Ion:168 Resp: 168485
Ion Ratio Lower Upper
168 100
99 54.7 43.4 65.0



#16
Acetone
Concen: 14.477 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY015463.D
Acq: 07 Sep 2023 12:43

Tgt Ion: 43 Resp: 10914
Ion Ratio Lower Upper
43 100
58 34.1 22.7 34.1





#25

2-Butanone

Concen: 3.903 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY015463.D

Acq: 07 Sep 2023 12:43

Instrument :

MSVOA_Y

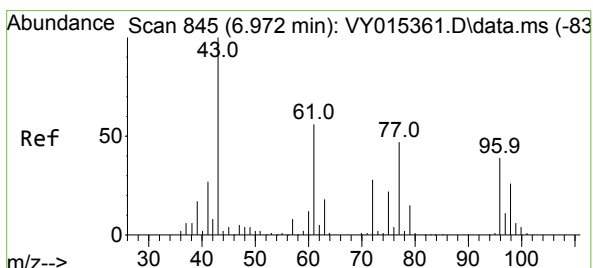
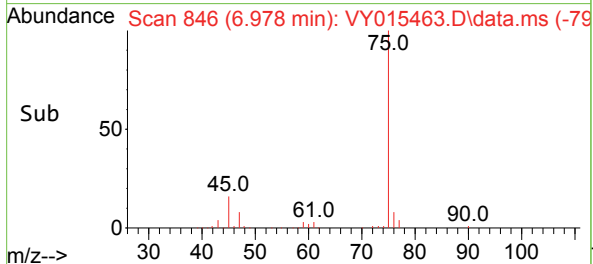
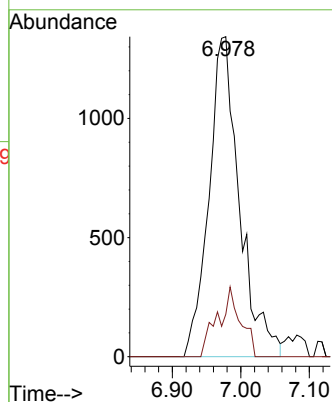
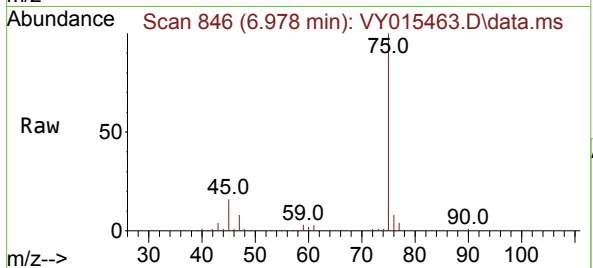
ClientSampleId :

Tgt Ion: 43 Resp: 4173

Ion Ratio Lower Upper

43 100

72 13.3 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 1.564 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY015463.D

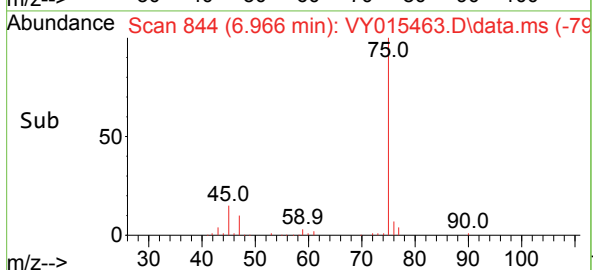
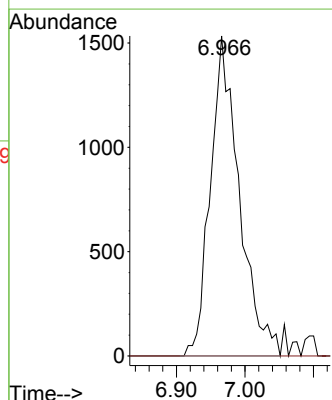
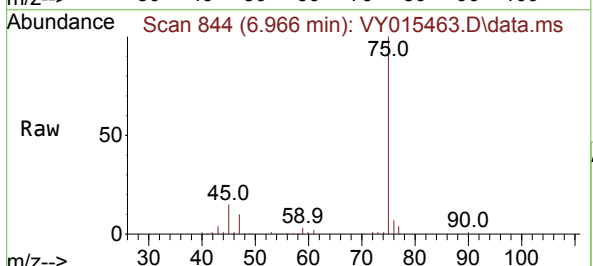
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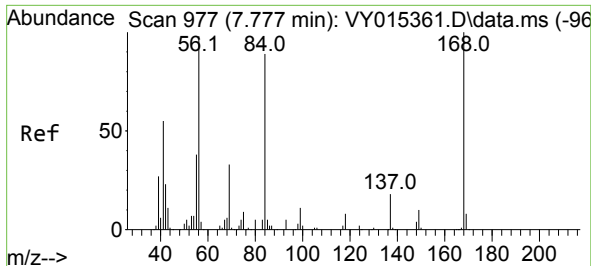
Tgt Ion: 77 Resp: 4478

Ion Ratio Lower Upper

77 100

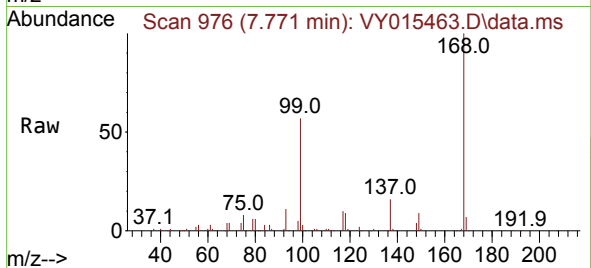
97 0.0 10.9 32.9#



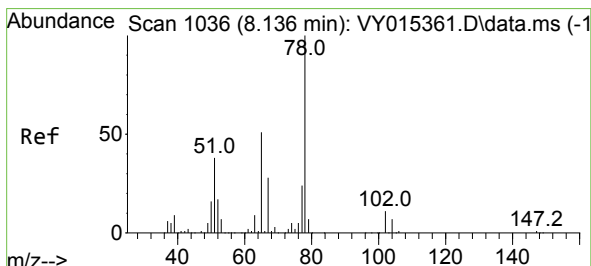
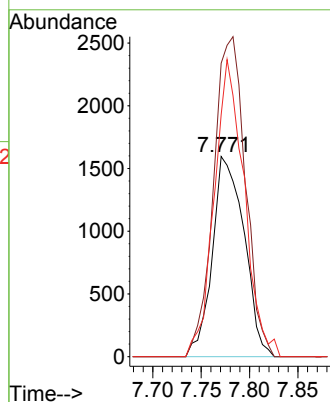
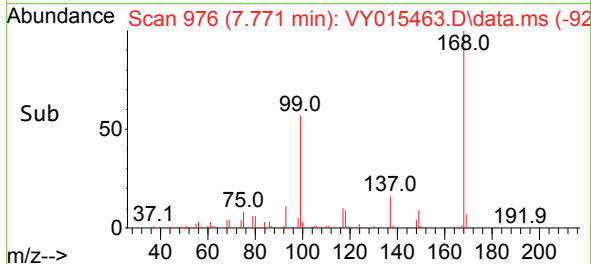


#31
Cyclohexane
Concen: 1.134 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY015463.D
Acq: 07 Sep 2023 12:43

Instrument :
MSVOA_Y
ClientSampleId :

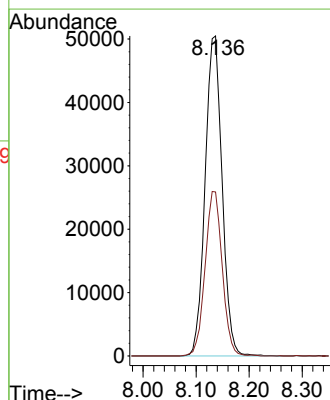
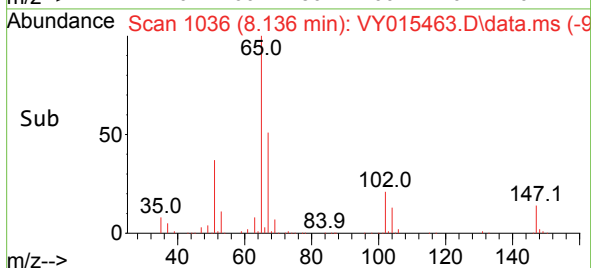
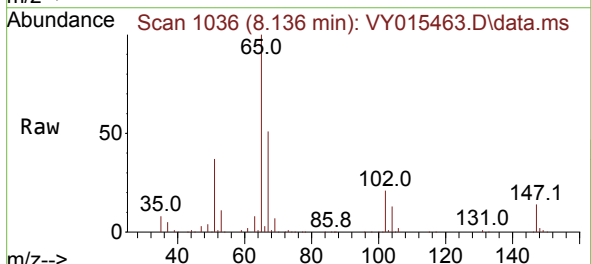


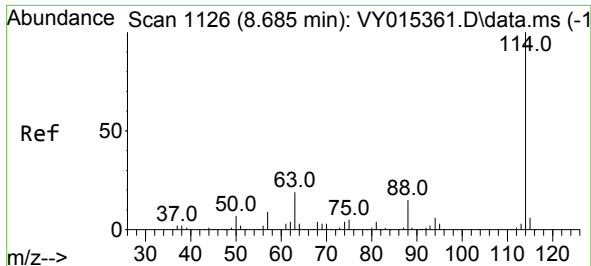
Tgt Ion: 56 Resp: 3638
Ion Ratio Lower Upper
56 100
69 146.6 27.8 41.6#
84 120.9 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 62.202 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015463.D
Acq: 07 Sep 2023 12:43

Tgt Ion: 65 Resp: 112345
Ion Ratio Lower Upper
65 100
67 51.8 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.679 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VY015463.D

Acq: 07 Sep 2023 12:43

Instrument :

MSVOA_Y

ClientSampleId :

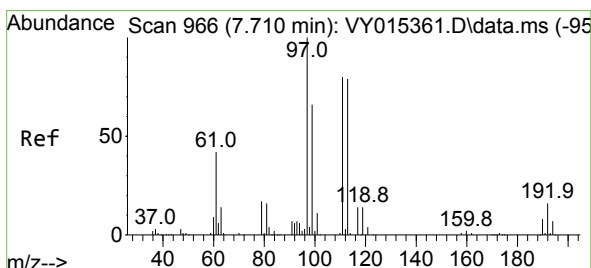
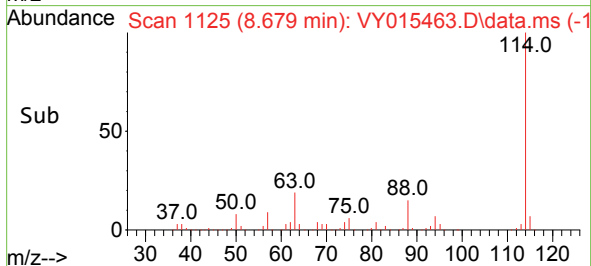
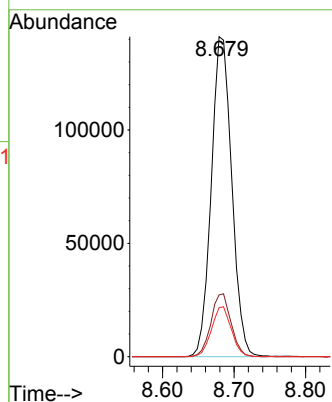
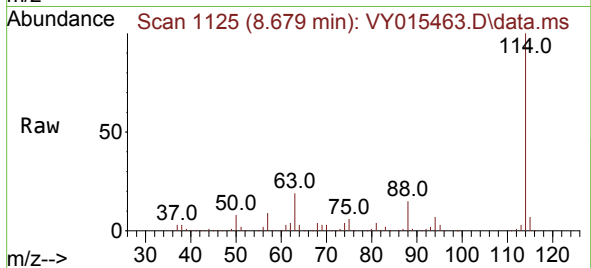
Tgt Ion:114 Resp: 280708

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.592 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY015463.D

Acq: 07 Sep 2023 12:43

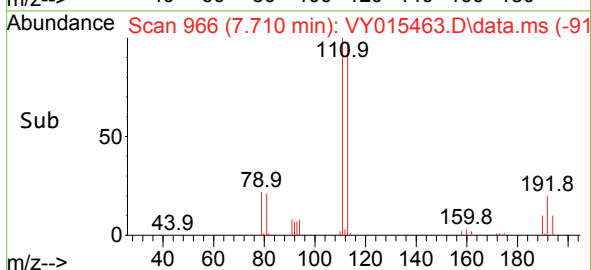
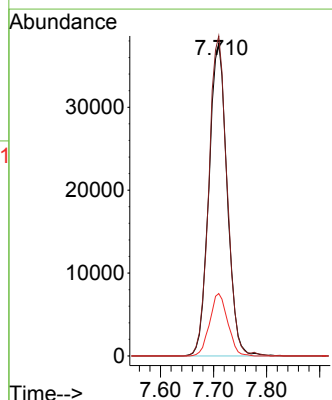
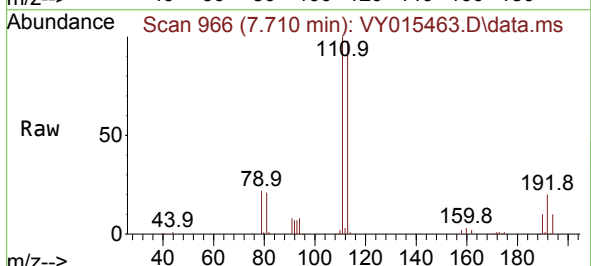
Tgt Ion:113 Resp: 89882

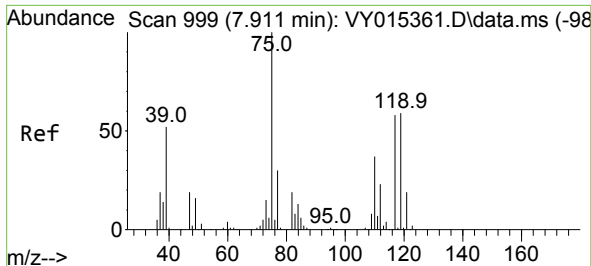
Ion Ratio Lower Upper

113 100

111 101.9 81.3 121.9

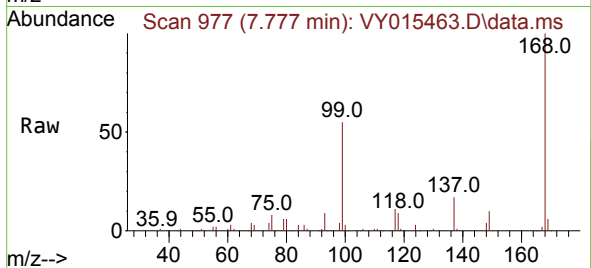
192 19.8 16.9 25.3



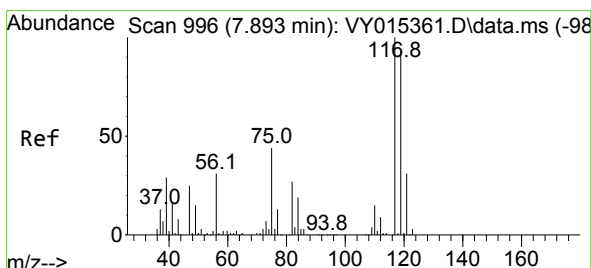
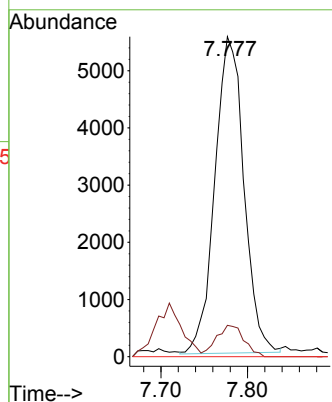
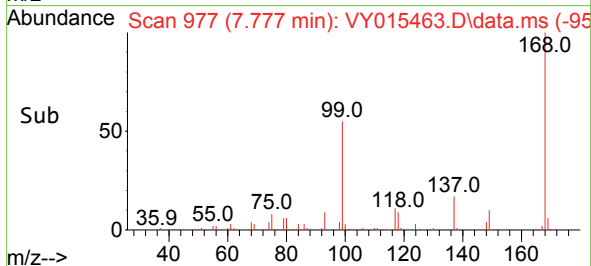


#36
1,1-Dichloropropene
Concen: 4.545 ug/l
RT: 7.777 min Scan# 911
Delta R.T. -0.134 min
Lab File: VY015463.D
Acq: 07 Sep 2023 12:43

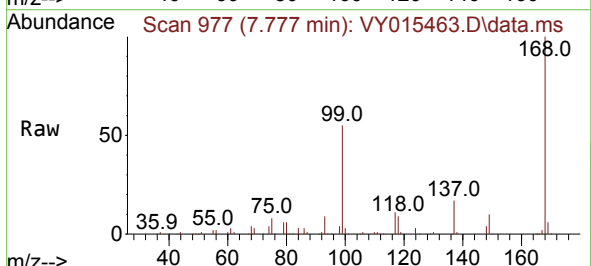
Instrument :
MSVOA_Y
ClientSampleId :



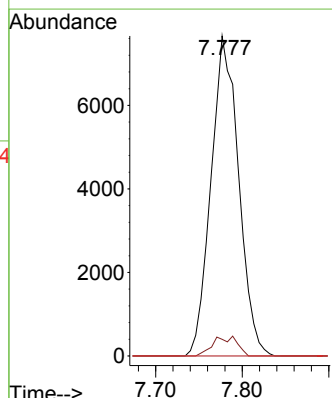
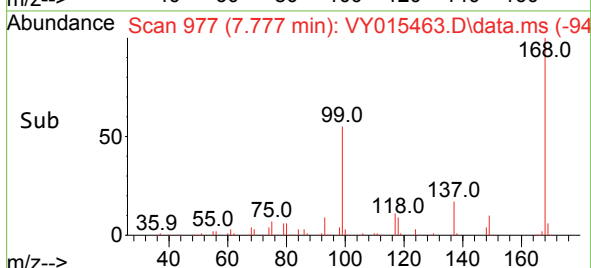
Tgt Ion: 75 Resp: 12902
Ion Ratio Lower Upper
75 100
110 9.4 17.8 53.5#
77 0.0 24.4 36.6#

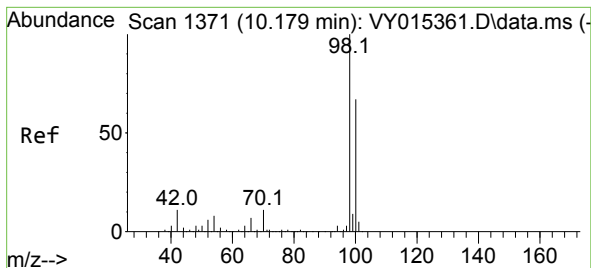


#38
Carbon Tetrachloride
Concen: 5.788 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.116 min
Lab File: VY015463.D
Acq: 07 Sep 2023 12:43



Tgt Ion: 117 Resp: 16972
Ion Ratio Lower Upper
117 100
119 5.2 76.4 114.6#
121 0.0 25.8 38.6#

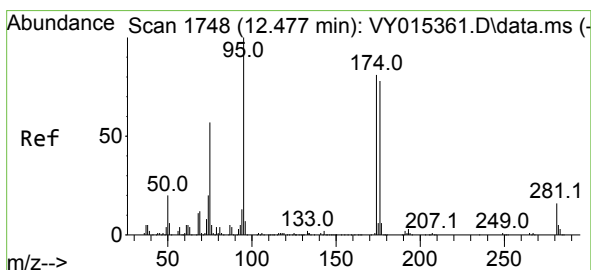
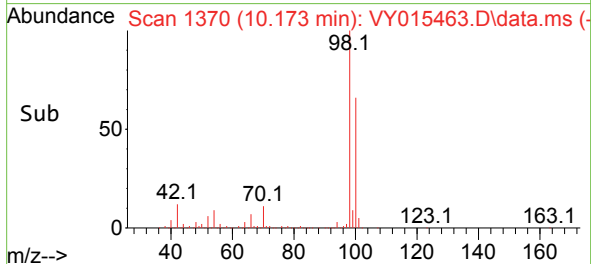
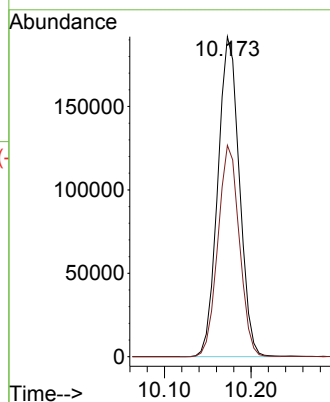
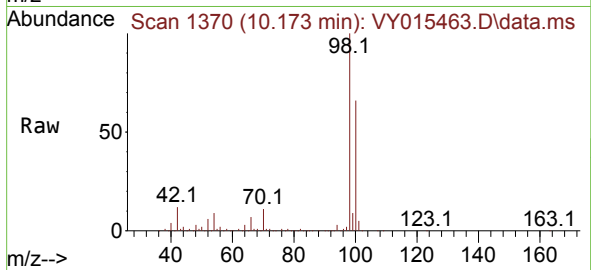




#50
Toluene-d8
Concen: 56.597 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY015463.D
Acq: 07 Sep 2023 12:43

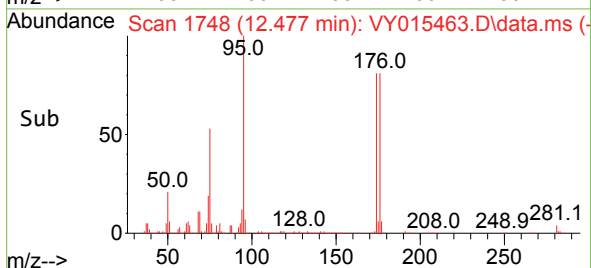
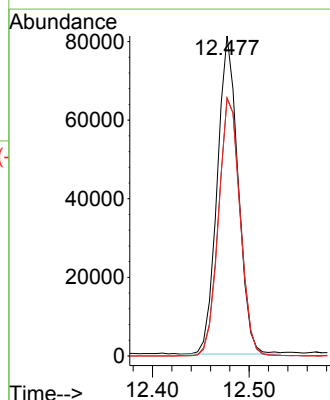
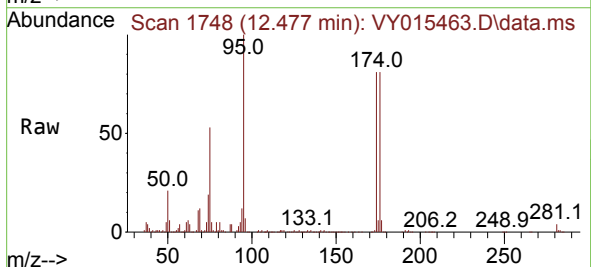
Instrument :
MSVOA_Y
ClientSampleId :

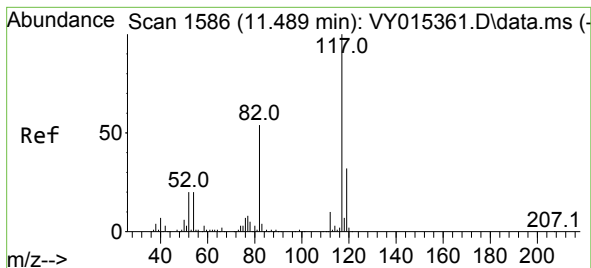
Tgt Ion: 98 Resp: 331384
Ion Ratio Lower Upper
98 100
100 65.8 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 55.670 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015463.D
Acq: 07 Sep 2023 12:43

Tgt Ion: 95 Resp: 121006
Ion Ratio Lower Upper
95 100
174 84.7 0.0 178.2
176 83.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.006 min

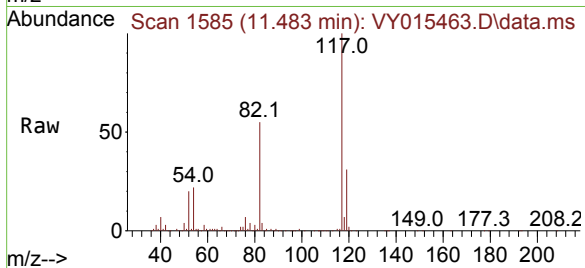
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Acq: 07 Sep 2023 12:43

Instrument :

MSVOA_Y

ClientSampleId :



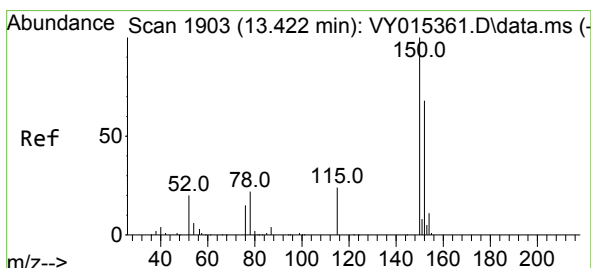
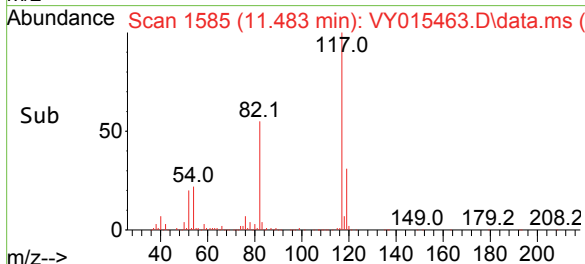
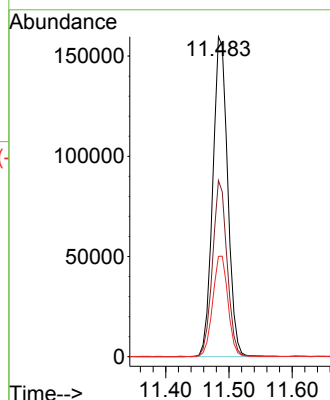
Tgt Ion:117 Resp: 261456

Ion Ratio Lower Upper

117 100

82 54.9 43.4 65.0

119 31.4 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015463.D

Acq: 07 Sep 2023 12:43

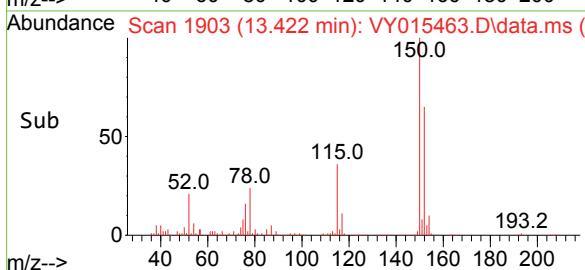
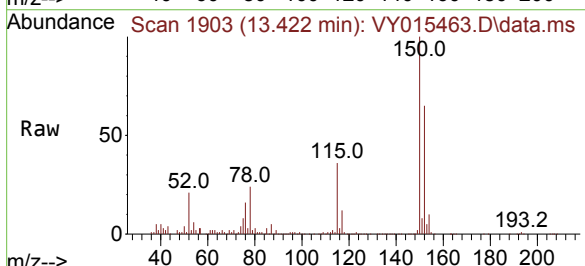
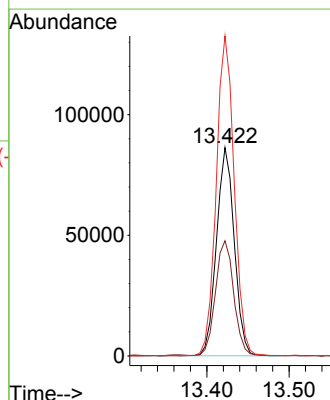
Tgt Ion:152 Resp: 129825

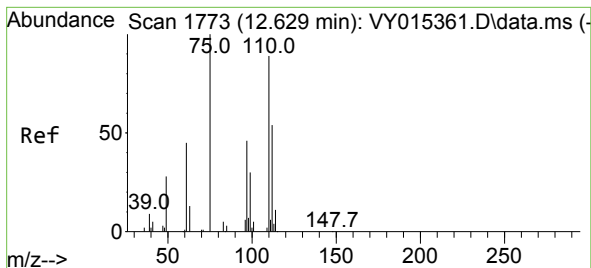
Ion Ratio Lower Upper

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115 56.7 28.8 86.5

150 154.6 0.0 348.8

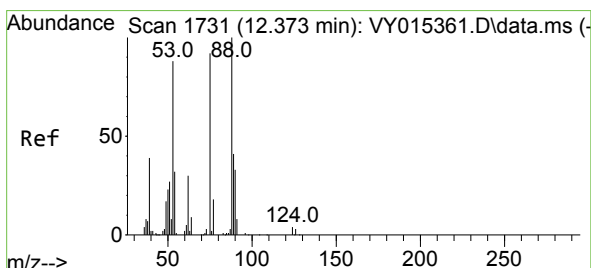
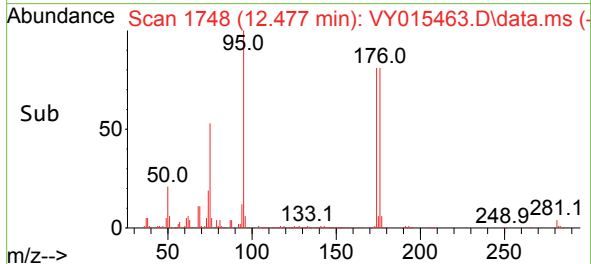
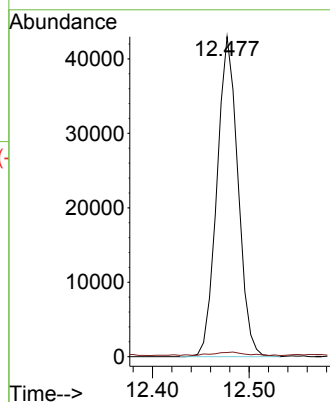
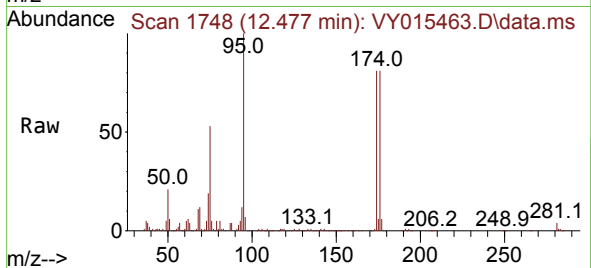




#76
1,2,3-Trichloropropane
Concen: 37.654 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015463.D
Acq: 07 Sep 2023 12:43

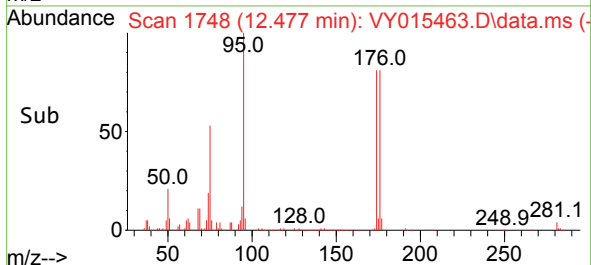
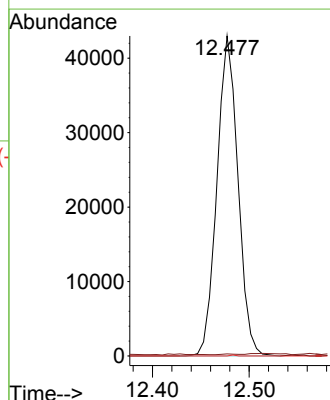
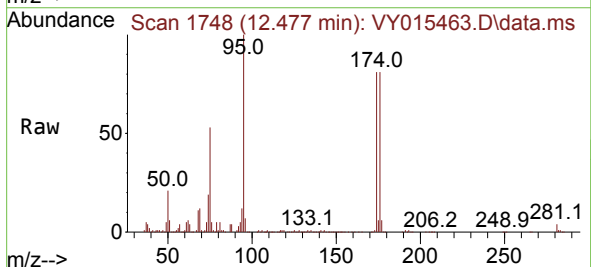
Instrument :
MSVOA_Y
ClientSampleId :

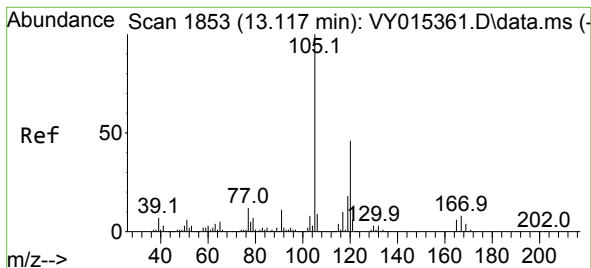
Tgt Ion: 75 Resp: 64826
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.061 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY015463.D
Acq: 07 Sep 2023 12:43

Tgt Ion: 75 Resp: 64826
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.1 37.4 56.0#





#84

1,2,4-Trimethylbenzene

Concen: 1.529 ug/l

RT: 13.117 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015463.D

Acq: 07 Sep 2023 12:43

Instrument :

MSVOA_Y

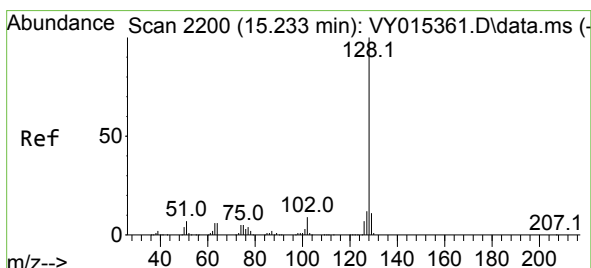
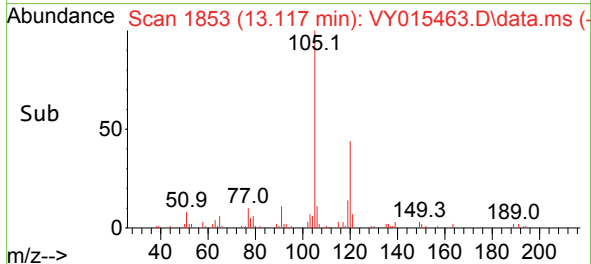
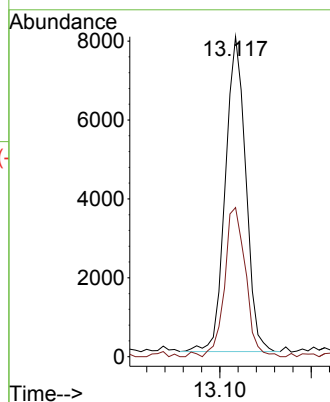
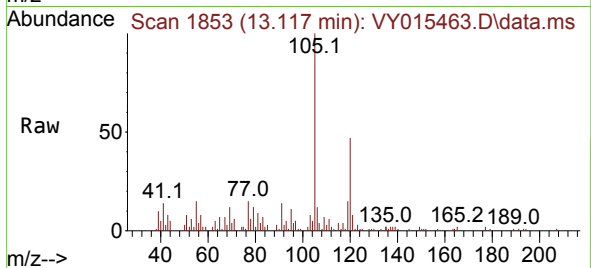
ClientSampleId :

Tgt Ion:105 Resp: 12381

Ion Ratio Lower Upper

105 100

120 48.5 22.2 66.6



#95

Naphthalene

Concen: 1.523 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. 0.000 min

Lab File: VY015463.D

Acq: 07 Sep 2023 12:43

Tgt Ion:128 Resp: 9858

Ion Ratio Lower Upper

128 100

127 22.6 10.8 16.2#

129 10.4 8.6 13.0

