

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090723\
 Data File : VY015462.D
 Acq On : 07 Sep 2023 12:19
 Operator : SY/MD
 Sample : 04321-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 07 23:07:47 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)

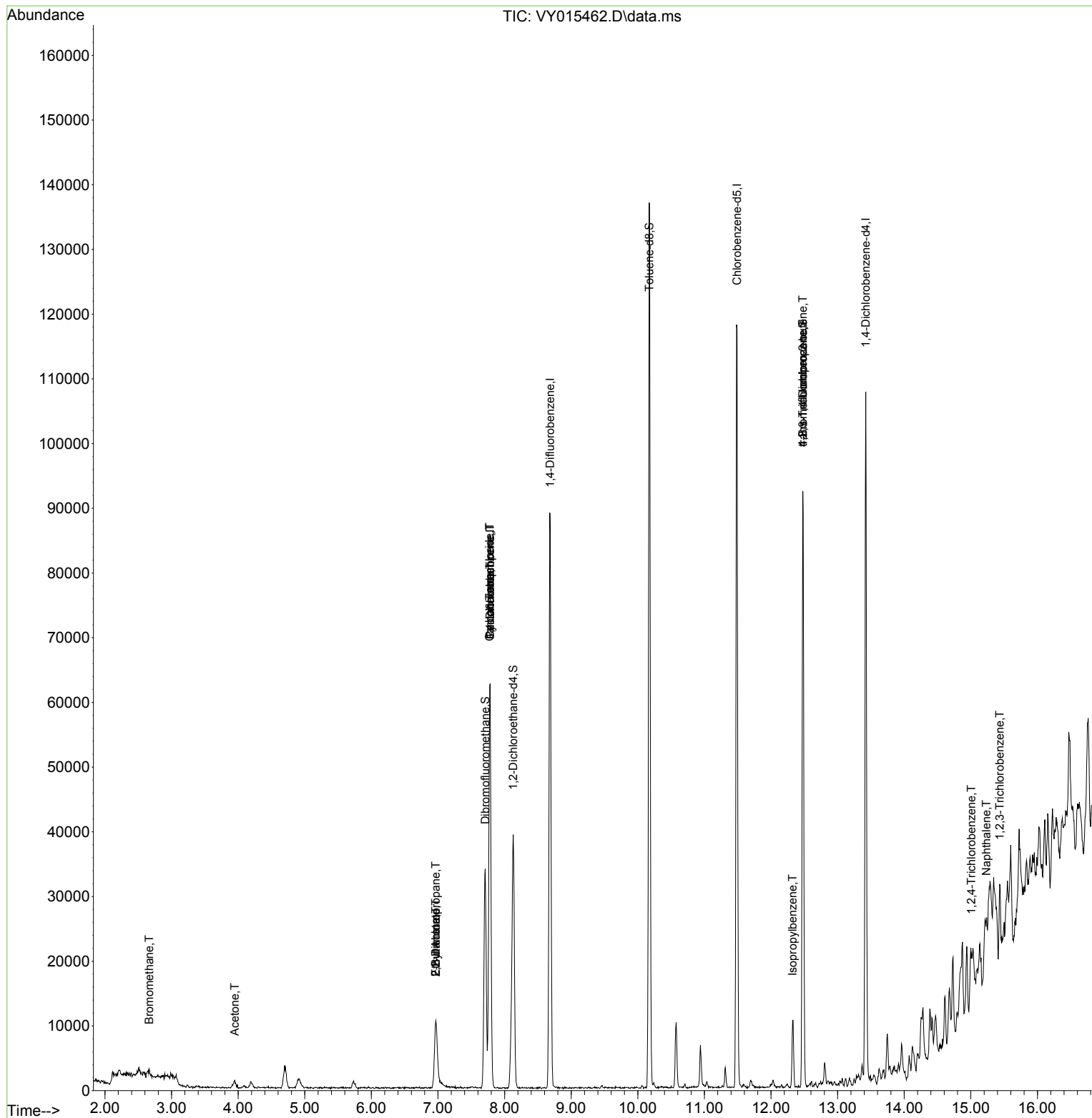
Internal Standards						
1) Pentafluorobenzene	7.783	168	49258	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	78650	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	66200	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	28105	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	27763	52.578	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.160%	
35) Dibromofluoromethane	7.709	113	24139	53.286	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.580%	
50) Toluene-d8	10.172	98	88852	54.161	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.320%	
62) 4-Bromofluorobenzene	12.477	95	26365	43.291	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.580%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	557	1.183	ug/l	97
11) Tert butyl alcohol	4.905	59	904	Below Cal	#	89
16) Acetone	3.948	43	2024	9.183	ug/l	95
20) Methylene Chloride	4.710	84	2735	Below Cal	#	74
25) 2-Butanone	6.966	43	764	2.444	ug/l	# 49
26) 2,2-Dichloropropane	6.966	77	975	1.165	ug/l	# 54
31) Cyclohexane	7.783	56	1048	1.117	ug/l	# 1
36) 1,1-Dichloropropene	7.783	75	3884	4.883	ug/l	# 47
37) Ethyl Acetate	6.966	43	764	1.245	ug/l	# 1
38) Carbon Tetrachloride	7.776	117	4702	5.723	ug/l	# 17
73) Isopropylbenzene	12.324	105	5942	2.815	ug/l	96
76) 1,2,3-Trichloropropane	12.477	75	14659	39.332	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	14659	86.762	ug/l	# 10
93) 1,2,4-Trichlorobenzene	15.007	180	810	1.432	ug/l	# 63
95) Naphthalene	15.232	128	7227	5.157	ug/l	97
96) 1,2,3-Trichlorobenzene	15.434	180	1114	2.159	ug/l	# 65

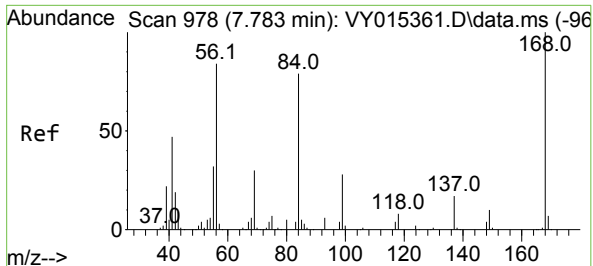
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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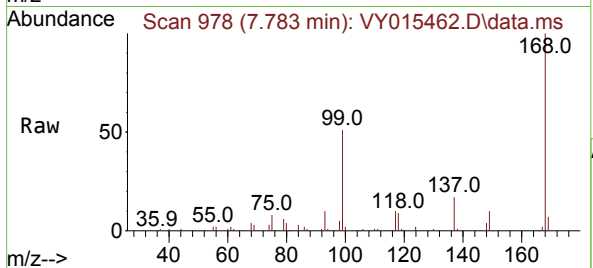
Quant Time: Sep 07 23:07:47 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 31 20:01:47 2023
Response via : Initial Calibration



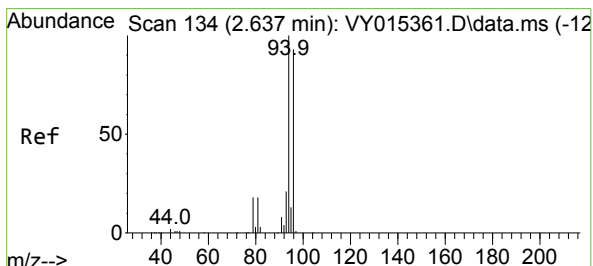
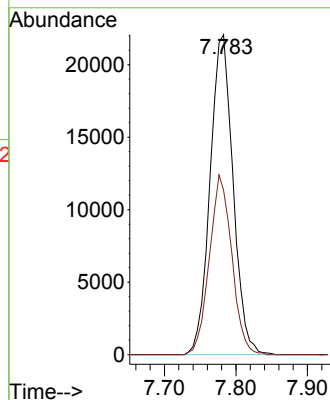
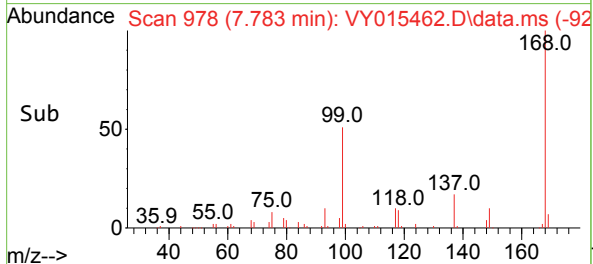


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015462.D
Acq: 07 Sep 2023 12:19

Instrument :
MSVOA_Y
ClientSampleId :

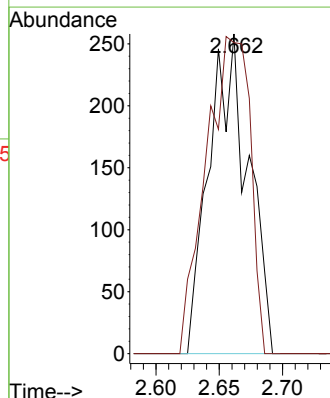
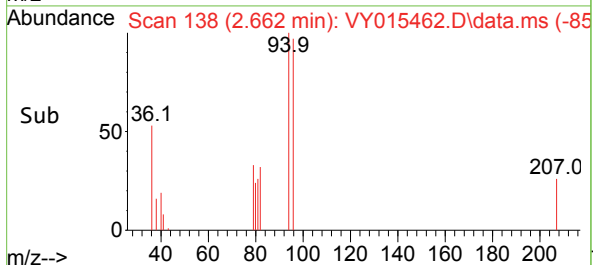
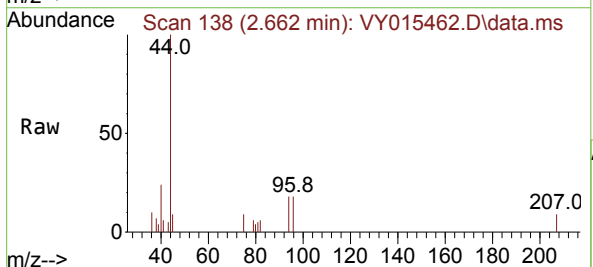


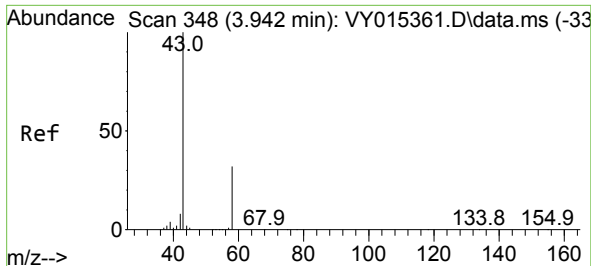
Tgt Ion:168 Resp: 49258
Ion Ratio Lower Upper
168 100
99 51.4 43.4 65.0



#5
Bromomethane
Concen: 1.183 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.024 min
Lab File: VY015462.D
Acq: 07 Sep 2023 12:19

Tgt Ion: 94 Resp: 557
Ion Ratio Lower Upper
94 100
96 97.3 75.8 113.6

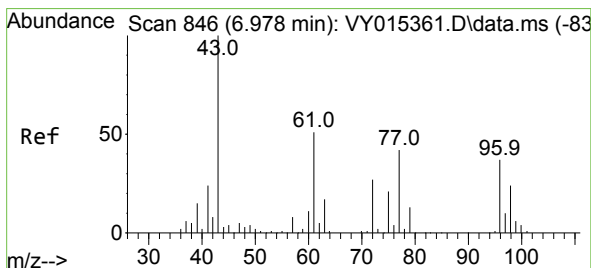
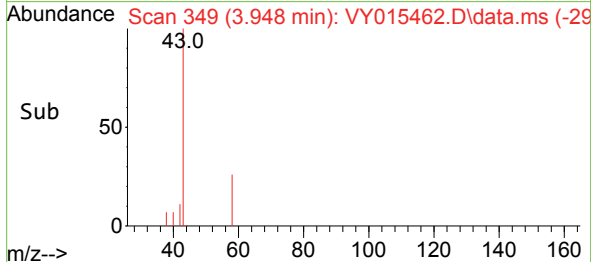
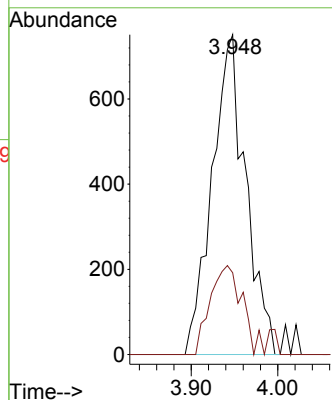
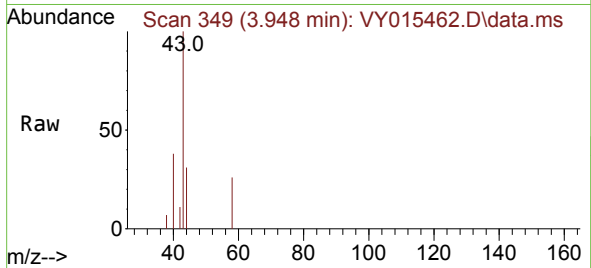




#16
Acetone
Concen: 9.183 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY015462.D
Acq: 07 Sep 2023 12:19

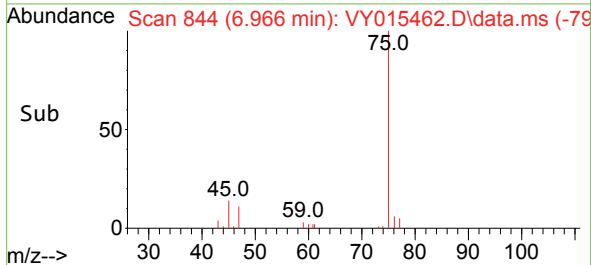
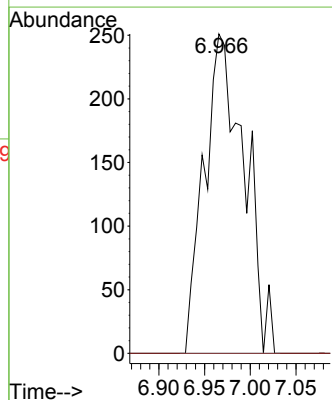
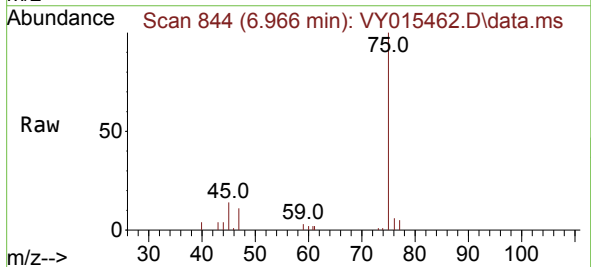
Instrument :
MSVOA_Y
ClientSampleId :

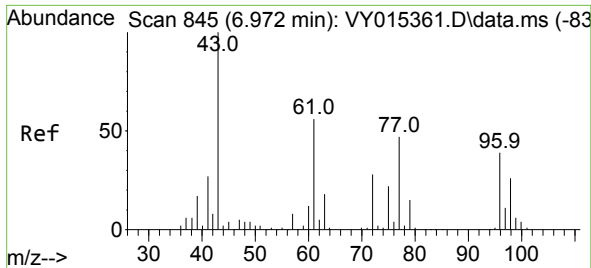
Tgt Ion: 43 Resp: 2024
Ion Ratio Lower Upper
43 100
58 25.6 22.7 34.1



#25
2-Butanone
Concen: 2.444 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY015462.D
Acq: 07 Sep 2023 12:19

Tgt Ion: 43 Resp: 764
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#

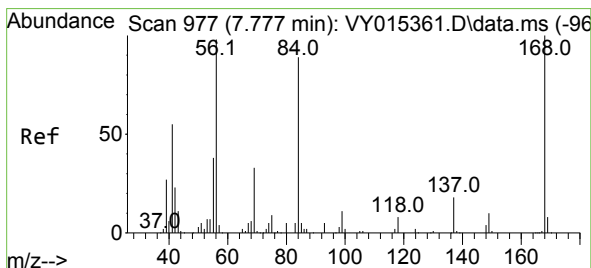
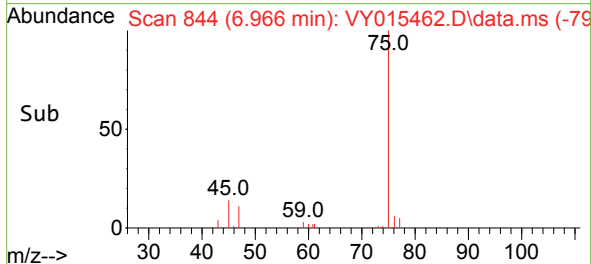
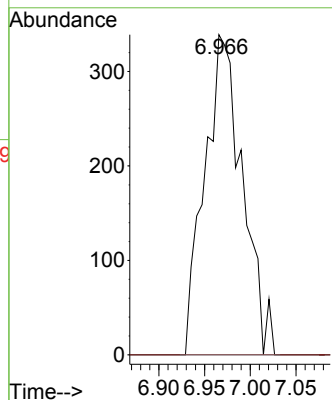
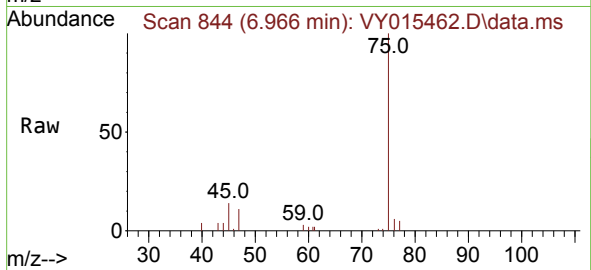




#26
2,2-Dichloropropane
Concen: 1.165 ug/l
RT: 6.966 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY015462.D
Acq: 07 Sep 2023 12:19

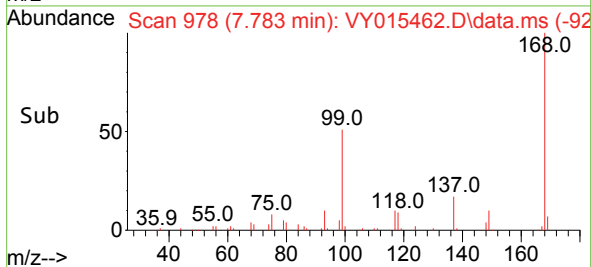
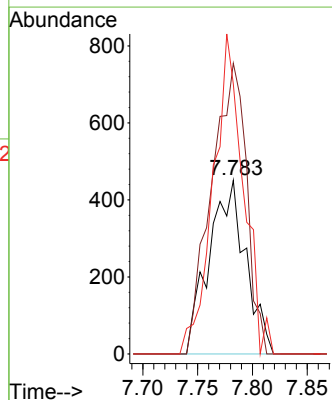
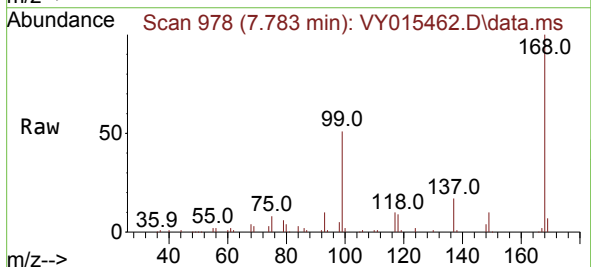
Instrument :
MSVOA_Y
ClientSampleId :

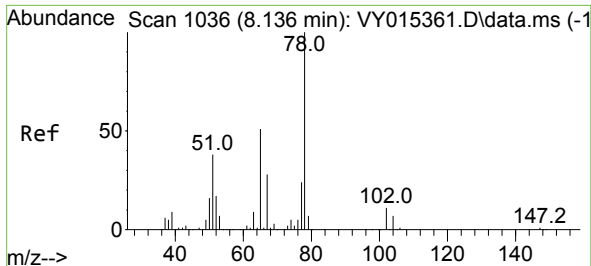
Tgt Ion: 77 Resp: 975
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.117 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY015462.D
Acq: 07 Sep 2023 12:19

Tgt Ion: 56 Resp: 1048
Ion Ratio Lower Upper
56 100
69 167.4 27.8 41.6#
84 155.4 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 52.578 ug/l

RT: 8.130 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY015462.D

Acq: 07 Sep 2023 12:19

Instrument :

MSVOA_Y

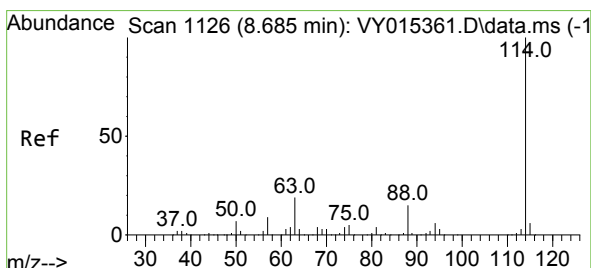
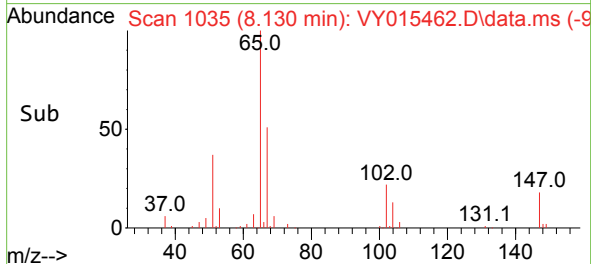
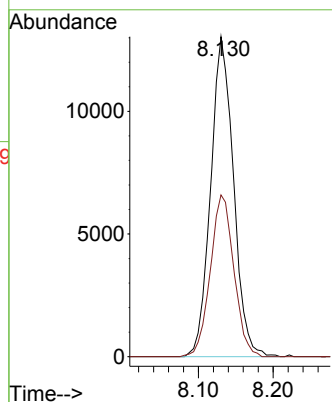
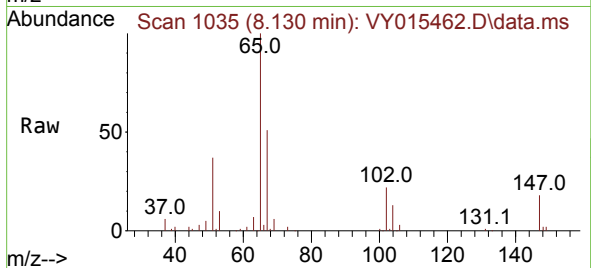
ClientSampleId :

Tgt Ion: 65 Resp: 27763

Ion Ratio Lower Upper

65 100

67 52.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY015462.D

Acq: 07 Sep 2023 12:19

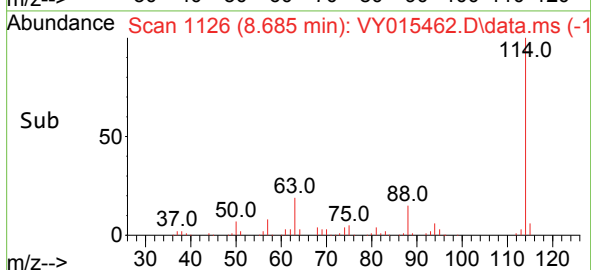
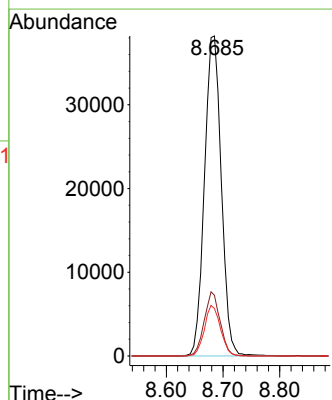
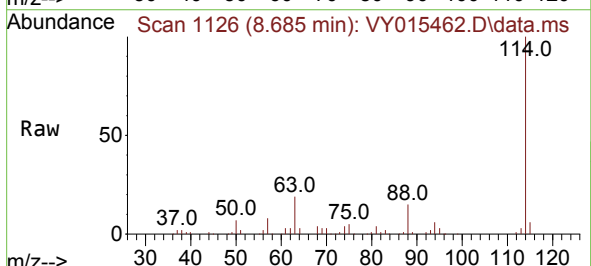
Tgt Ion: 114 Resp: 78650

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

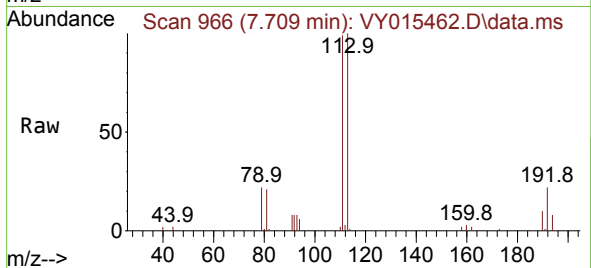
88 14.8 0.0 30.6



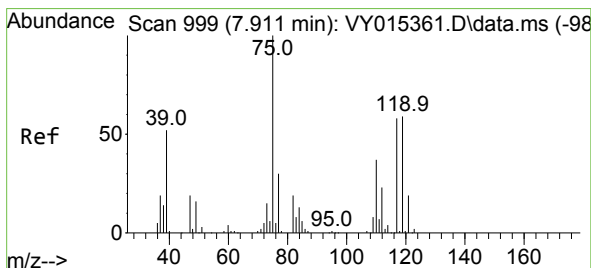
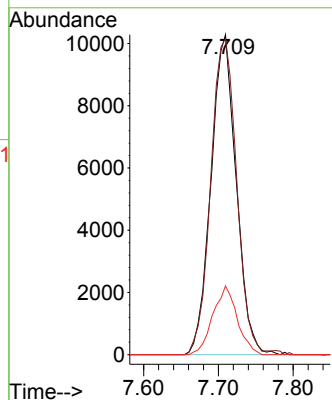
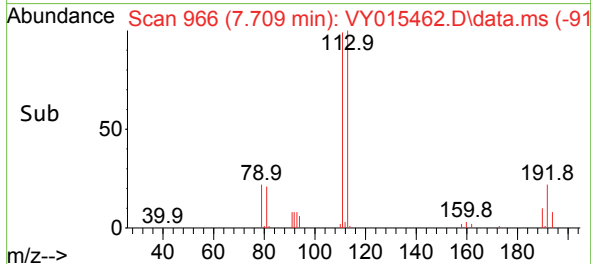


#35
Dibromofluoromethane
Concen: 53.286 ug/l
RT: 7.709 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015462.D
Acq: 07 Sep 2023 12:19

Instrument :
MSVOA_Y
ClientSampleId :

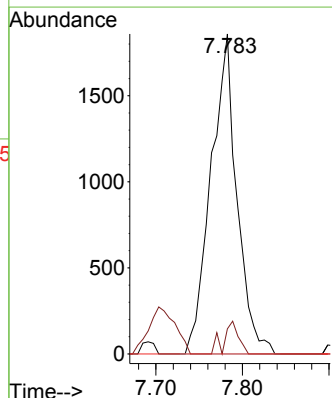
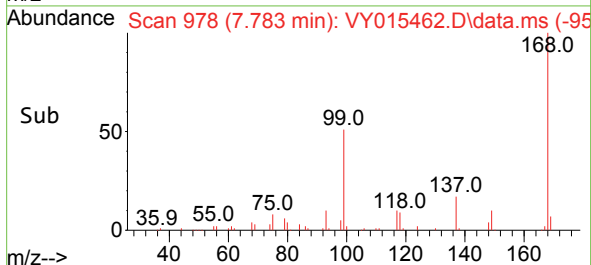
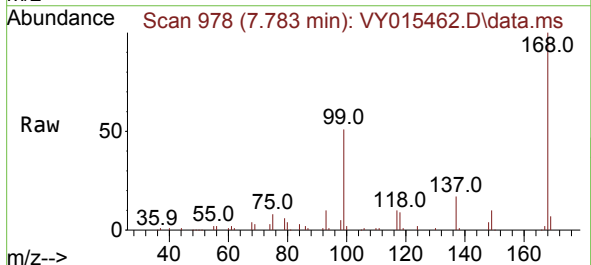


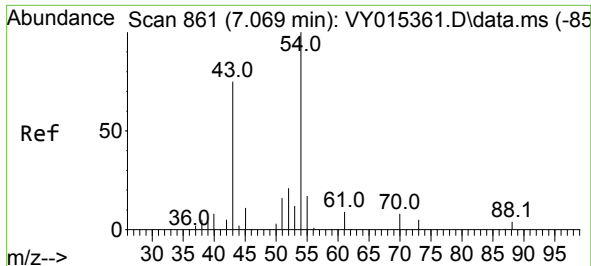
Tgt Ion:113 Resp: 24139
Ion Ratio Lower Upper
113 100
111 101.5 81.3 121.9
192 20.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.883 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015462.D
Acq: 07 Sep 2023 12:19

Tgt Ion: 75 Resp: 3884
Ion Ratio Lower Upper
75 100
110 5.8 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.245 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.098 min

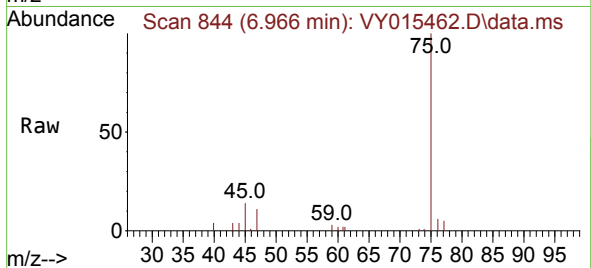
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Acq: 07 Sep 2023 12:19

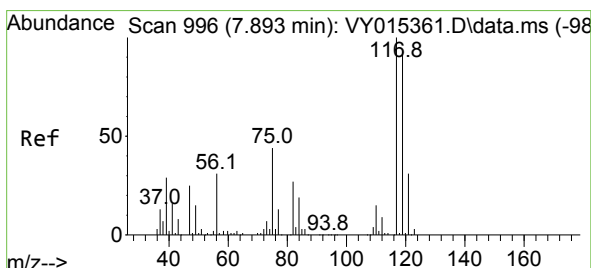
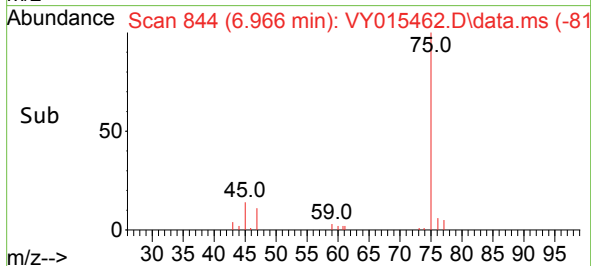
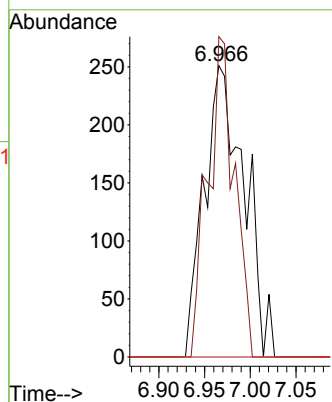
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 43	Resp: 764
Ion Ratio	Lower Upper
43	100
61	73.6 10.1 15.1#
70	0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.723 ug/l

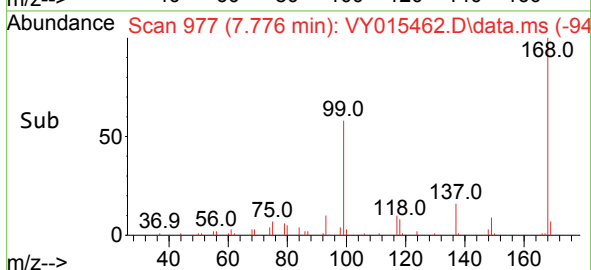
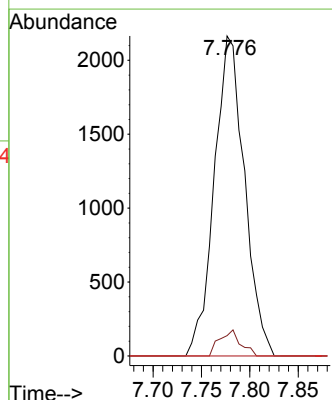
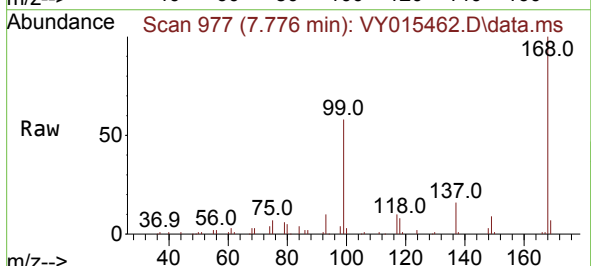
RT: 7.776 min Scan# 977

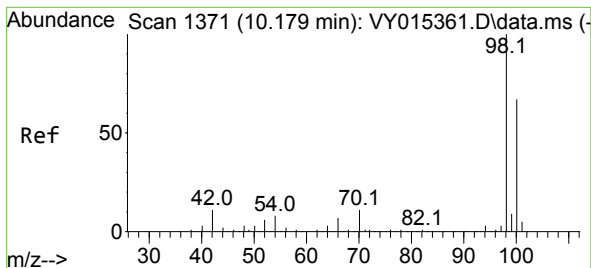
Delta R.T. -0.116 min

Lab File: VY015462.D

Acq: 07 Sep 2023 12:19

Tgt Ion: 117	Resp: 4702
Ion Ratio	Lower Upper
117	100
119	6.3 76.4 114.6#
121	0.0 25.8 38.6#





#50

Toluene-d8

Concen: 54.161 ug/l

RT: 10.172 min Scan# 1371

Delta R.T. -0.006 min

Lab File: VY015462.D

Acq: 07 Sep 2023 12:19

Instrument :

MSVOA_Y

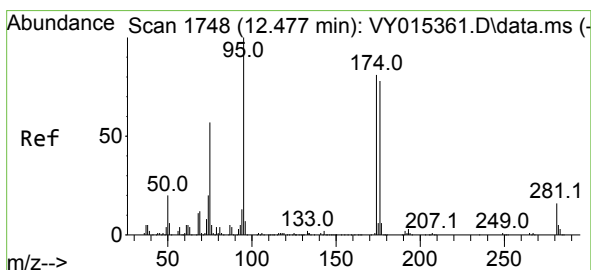
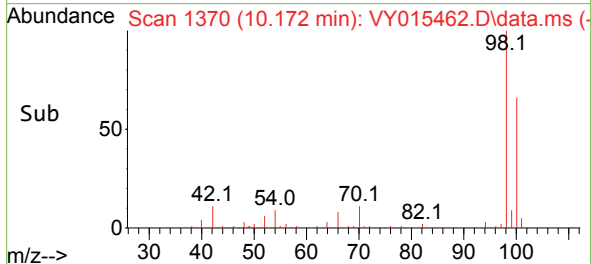
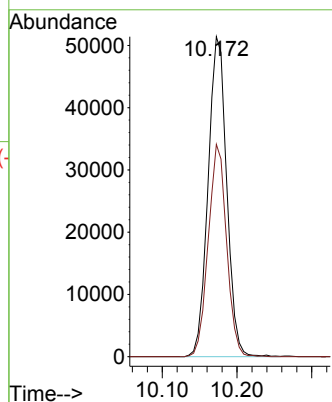
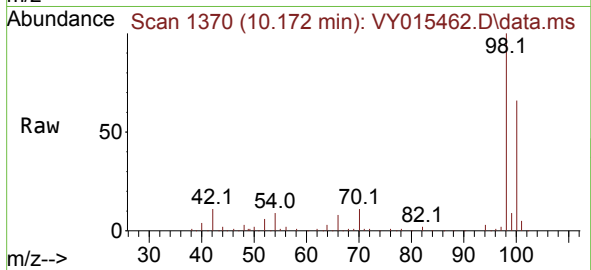
ClientSampleId :

Tgt Ion: 98 Resp: 88852

Ion Ratio Lower Upper

98 100

100 65.2 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 43.291 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.000 min

Lab File: VY015462.D

Acq: 07 Sep 2023 12:19

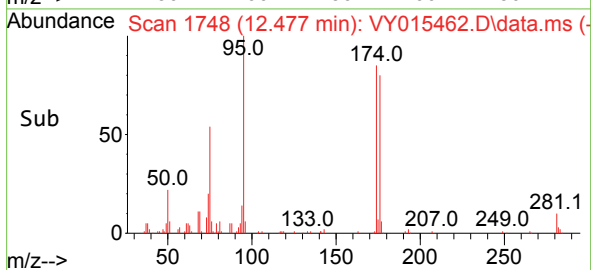
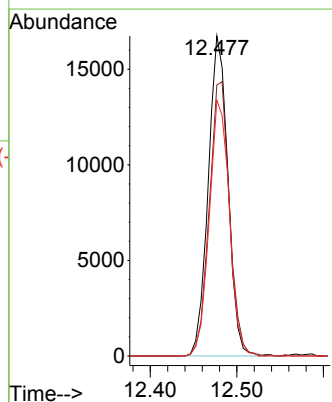
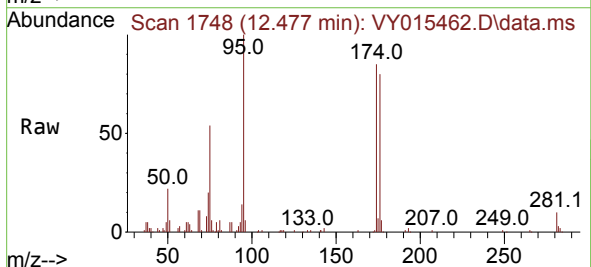
Tgt Ion: 95 Resp: 26365

Ion Ratio Lower Upper

95 100

174 88.5 0.0 178.2

176 81.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

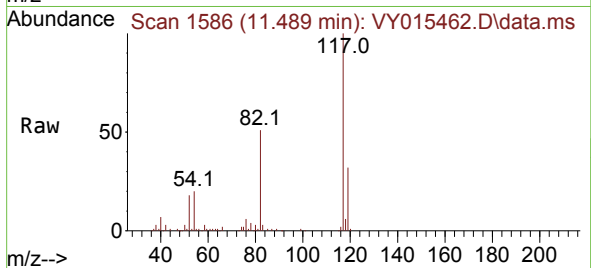
Lab File: VY015462.D

Acq: 07 Sep 2023 12:19

Instrument :

MSVOA_Y

ClientSampleId :



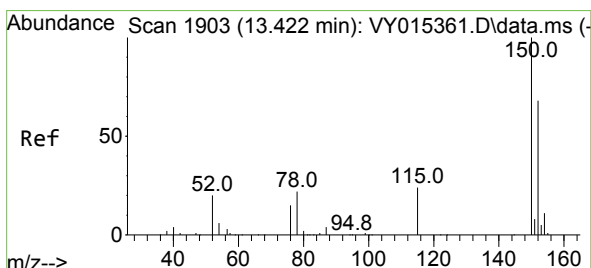
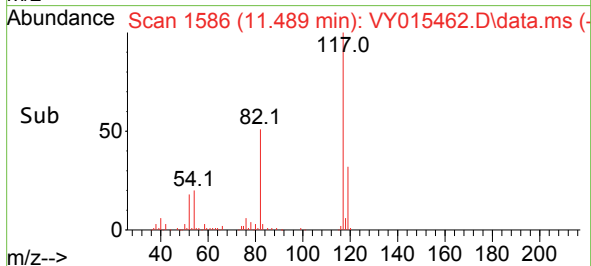
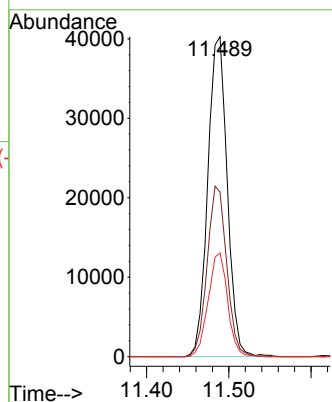
Tgt Ion:117 Resp: 66200

Ion Ratio Lower Upper

117 100

82 51.4 43.4 65.0

119 32.4 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: VY015462.D

Acq: 07 Sep 2023 12:19

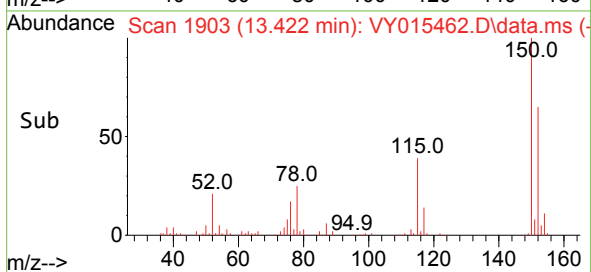
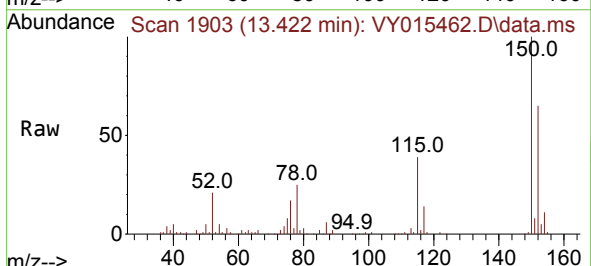
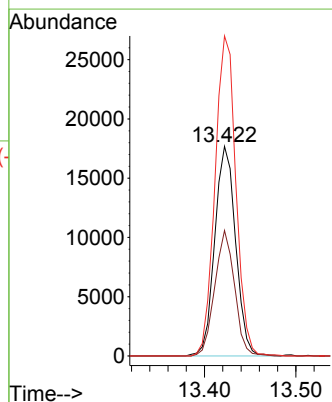
Tgt Ion:152 Resp: 28105

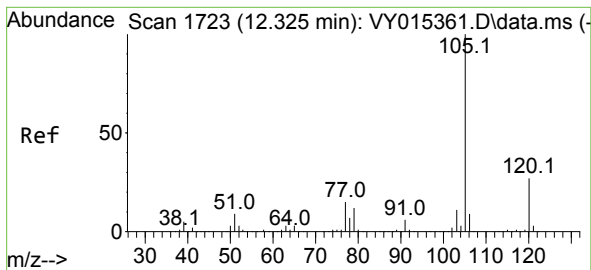
Ion Ratio Lower Upper

152 100

115 56.7 28.8 86.5

150 152.7 0.0 348.8





#73

Isopropylbenzene

Concen: 2.815 ug/l

RT: 12.324 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY015462.D

Acq: 07 Sep 2023 12:19

Instrument :

MSVOA_Y

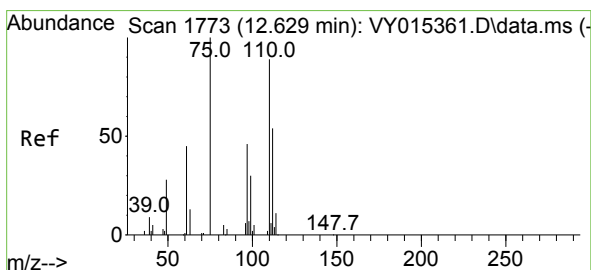
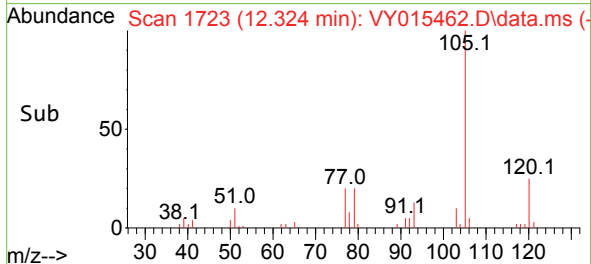
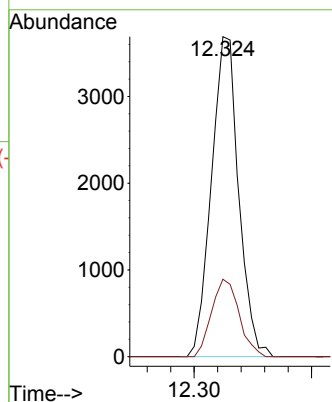
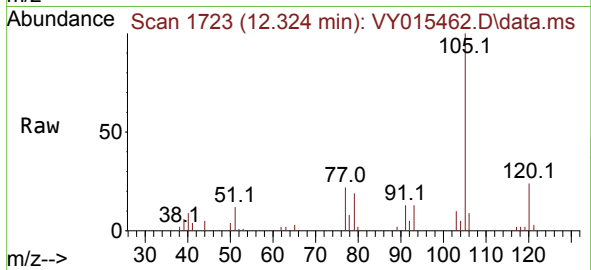
ClientSampleId :

Tgt Ion:105 Resp: 5942

Ion Ratio Lower Upper

105 100

120 24.4 13.3 39.9



#76

1,2,3-Trichloropropane

Concen: 39.332 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY015462.D

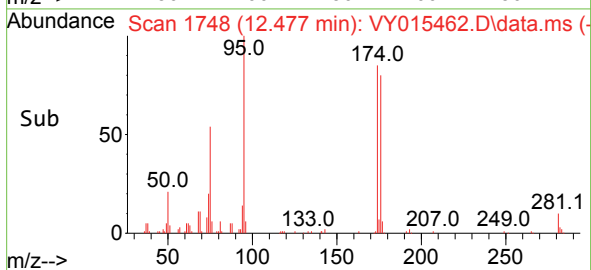
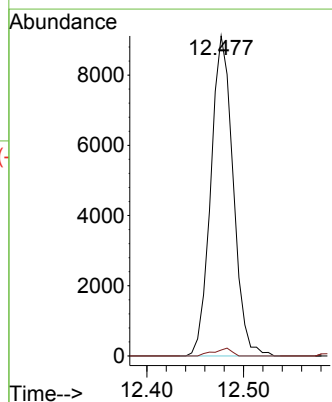
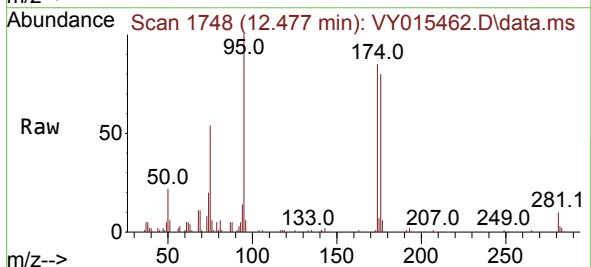
Acq: 07 Sep 2023 12:19

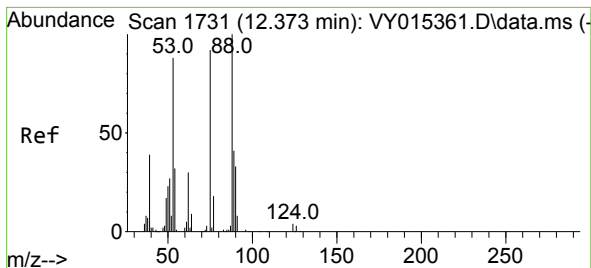
Tgt Ion: 75 Resp: 14659

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#

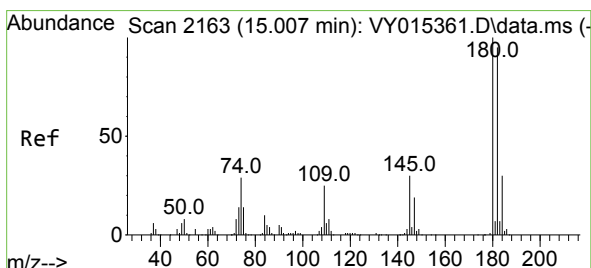
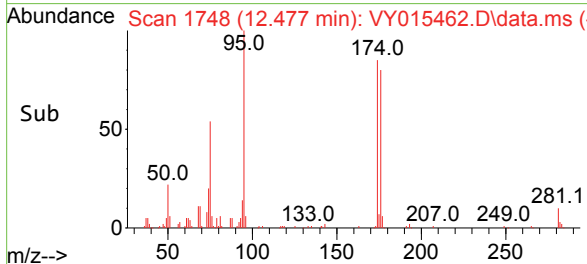
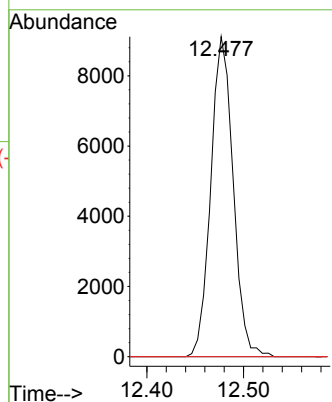
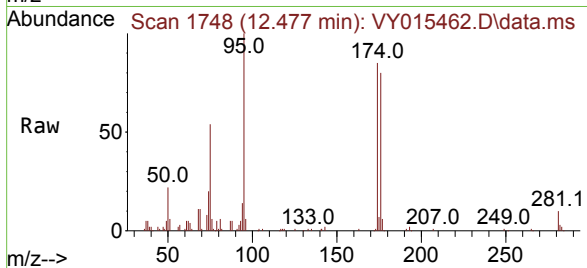




#81
trans-1,4-Dichloro-2-butene
Concen: 86.762 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY015462.D
Acq: 07 Sep 2023 12:19

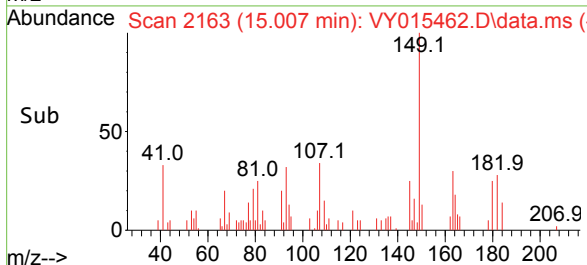
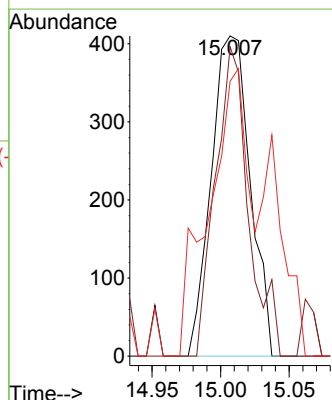
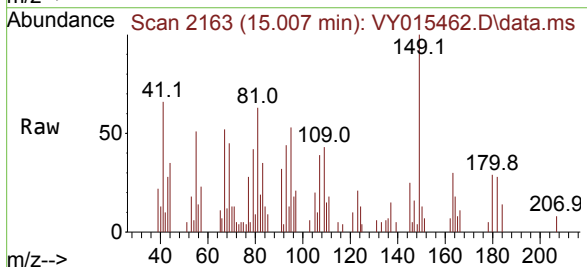
Instrument :
MSVOA_Y
ClientSampleId :

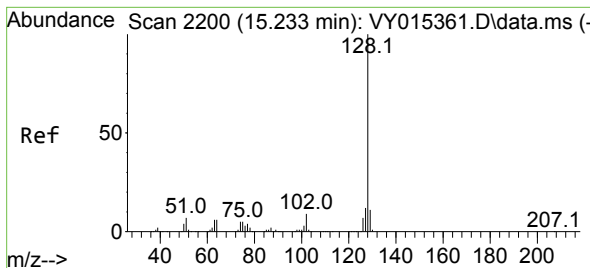
Tgt Ion: 75 Resp: 14659
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#93
1,2,4-Trichlorobenzene
Concen: 1.432 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. 0.006 min
Lab File: VY015462.D
Acq: 07 Sep 2023 12:19

Tgt Ion:180 Resp: 810
Ion Ratio Lower Upper
180 100
182 82.1 47.0 141.2
145 92.1 14.5 43.5#





#95

Naphthalene

Concen: 5.157 ug/l

RT: 15.232 min Scan# 21

Delta R.T. -0.000 min

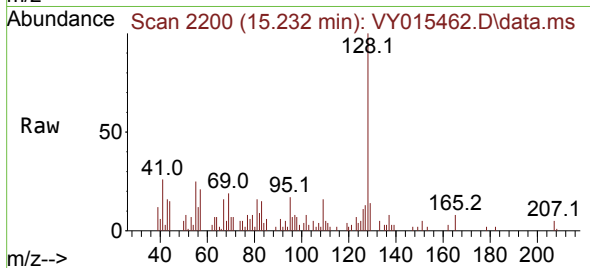
Lab File: VY015462.D

Acq: 07 Sep 2023 12:19

Instrument :

MSVOA_Y

ClientSampleId :



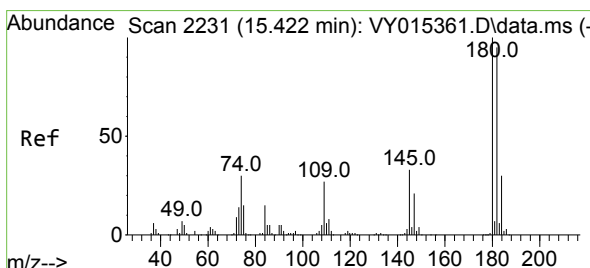
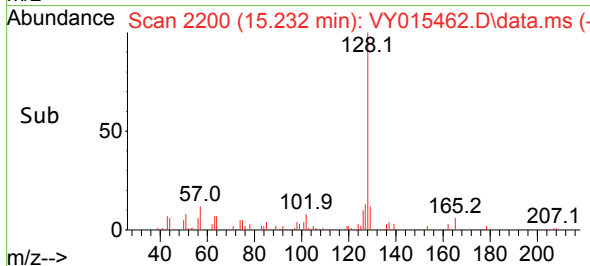
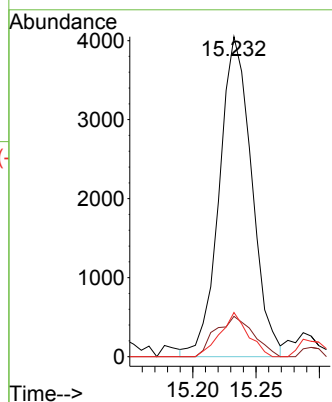
Tgt Ion:128 Resp: 7227

Ion Ratio Lower Upper

128 100

127 14.6 10.8 16.2

129 11.8 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 2.159 ug/l

RT: 15.434 min Scan# 2233

Delta R.T. 0.012 min

Lab File: VY015462.D

Acq: 07 Sep 2023 12:19

Tgt Ion:180 Resp: 1114

Ion Ratio Lower Upper

180 100

182 81.3 47.3 141.8

145 86.3 15.4 46.2#

