

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100623\
 Data File : VY015854.D
 Acq On : 06 Oct 2023 11:22
 Operator : SY/MD
 Sample : VY1006SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 07 07:23:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100523S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 05:54:04 2023
 Response via : Initial Calibration

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

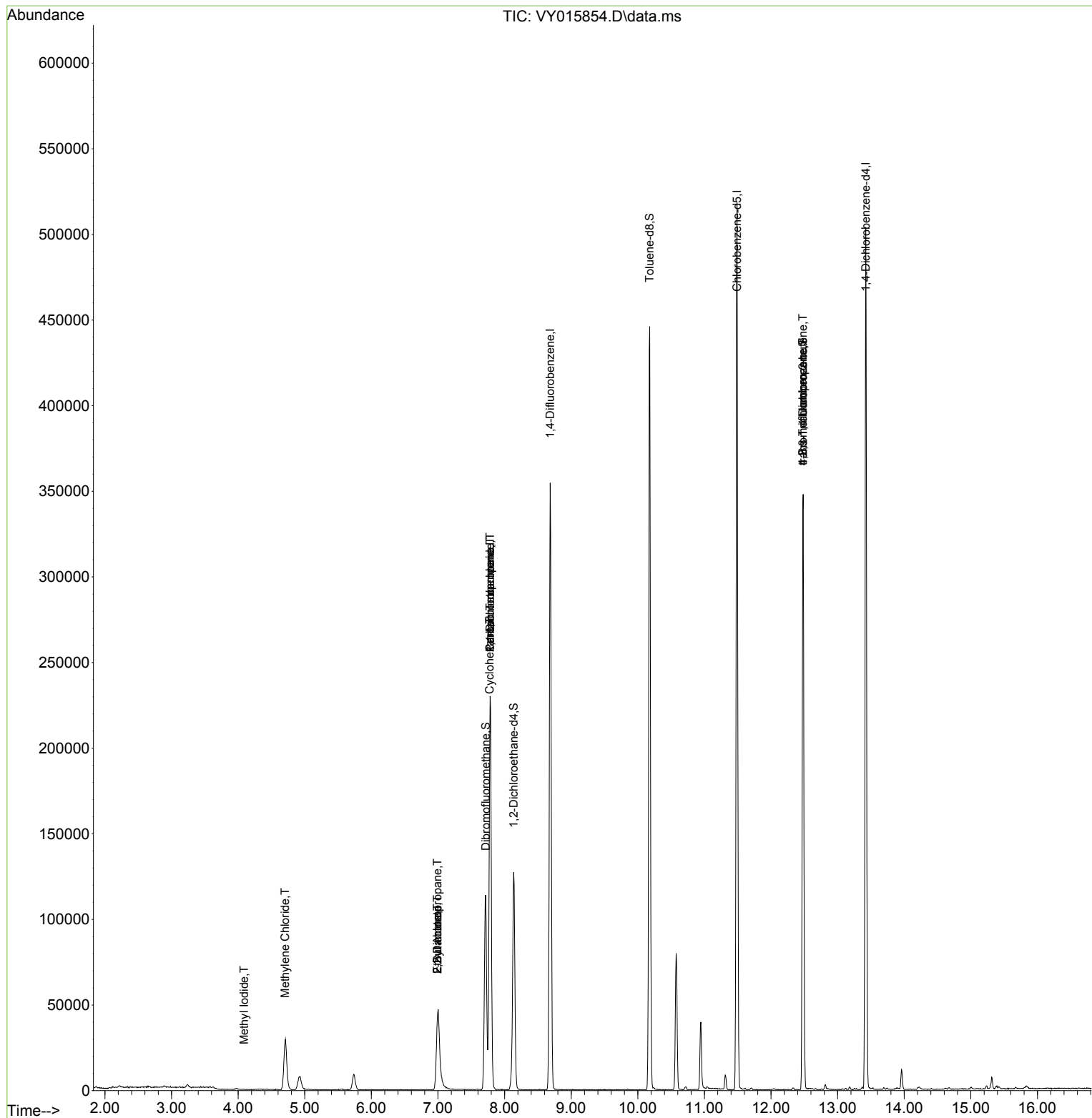
Internal Standards						
1) Pentafluorobenzene	7.783	168	180148	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	304473	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	283225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	129635	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	97362	54.933	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.860%	
35) Dibromofluoromethane	7.716	113	81973	47.233	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.460%	
50) Toluene-d8	10.179	98	296827	52.678	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.360%	
62) 4-Bromofluorobenzene	12.477	95	101079	43.886	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.780%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.088	142	343	3.342	ug/l #	65
11) Tert butyl alcohol	4.911	59	7467	Below Cal	#	89
20) Methylene Chloride	4.704	84	22254	5.272	ug/l	89
25) 2-Butanone	6.990	43	2880	2.280	ug/l #	78
26) 2,2-Dichloropropane	6.990	77	4391	1.550	ug/l #	54
31) Cyclohexane	7.777	56	3653	1.829	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	14678	7.089	ug/l #	48
37) Ethyl Acetate	6.990	43	2880	1.243	ug/l #	1
38) Carbon Tetrachloride	7.783	117	17792	7.308	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	53128	27.684	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	53128	64.087	ug/l #	10

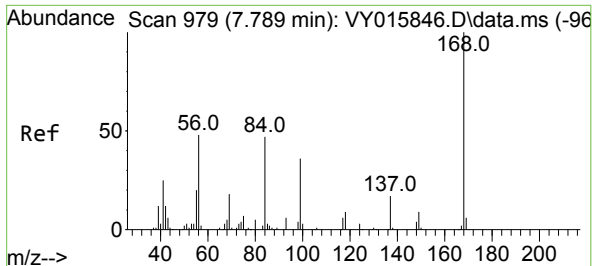
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 07 07:23:55 2023
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Quant Title : SW846 8260
QLast Update : Fri Oct 06 05:54:04 2023
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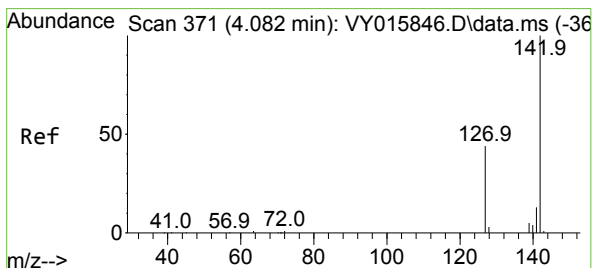
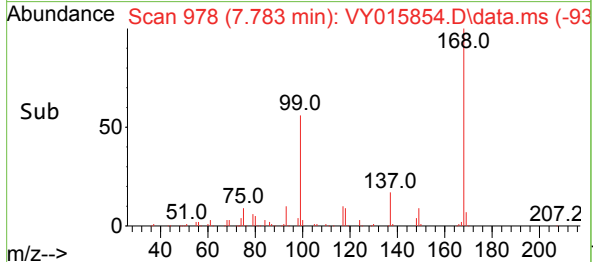
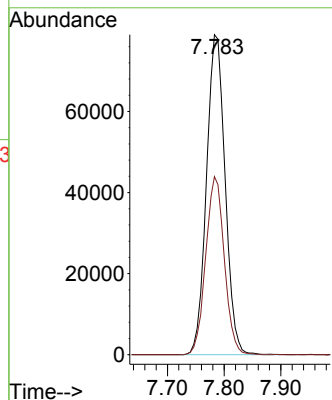
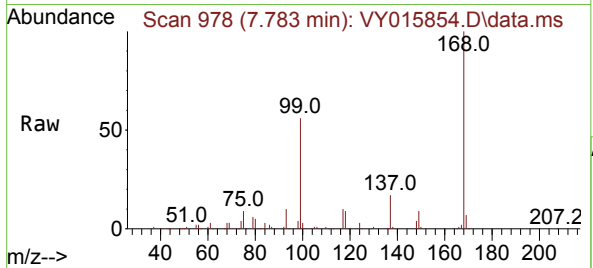




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015854.D
Acq: 06 Oct 2023 11:22

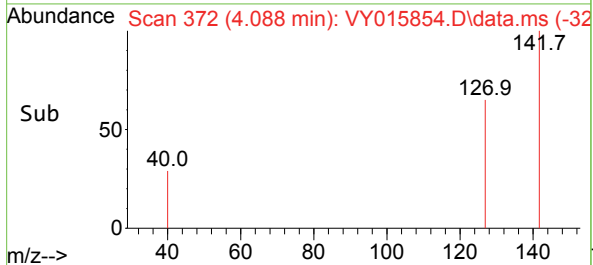
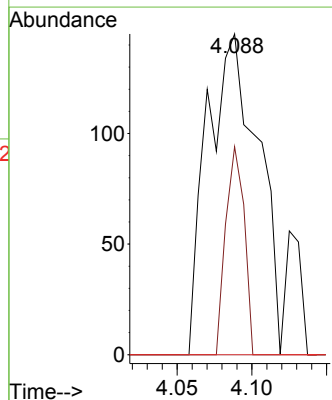
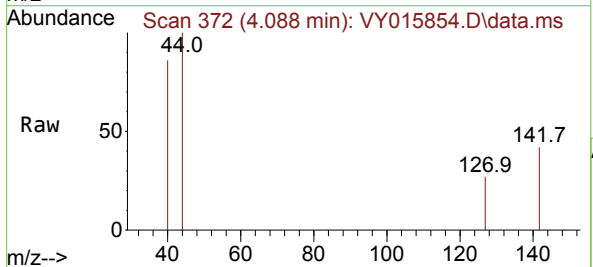
Instrument :
MSVOA_Y
ClientSampleId :

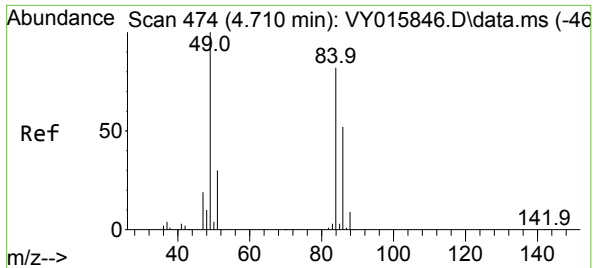
Tgt Ion:168 Resp: 180148
Ion Ratio Lower Upper
168 100
99 55.7 43.4 65.0



#10
Methyl Iodide
Concen: 3.342 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.006 min
Lab File: VY015854.D
Acq: 06 Oct 2023 11:22

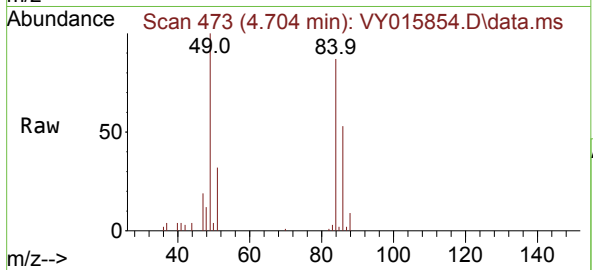
Tgt Ion:142 Resp: 343
Ion Ratio Lower Upper
142 100
127 23.6 37.6 56.4#
141 0.0 11.8 17.8#



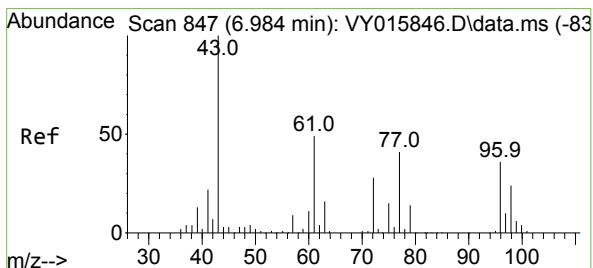
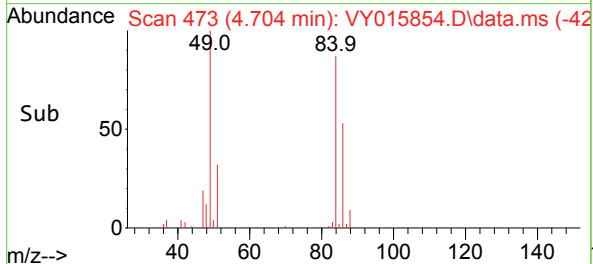
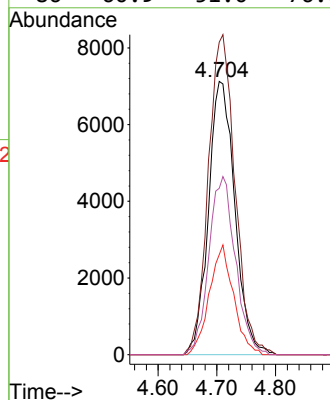


#20
Methylene Chloride
Concen: 5.272 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015854.D
Acq: 06 Oct 2023 11:22

Instrument :
MSVOA_Y
ClientSampleId :

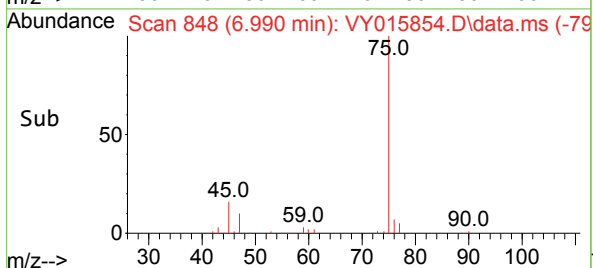
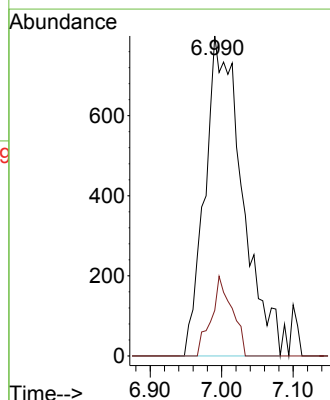
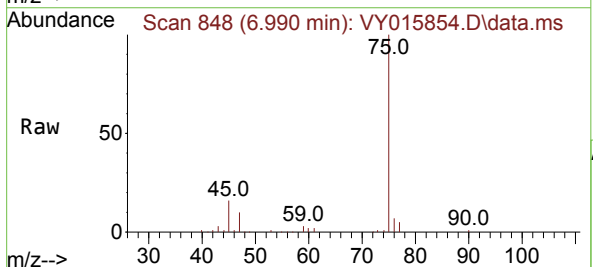


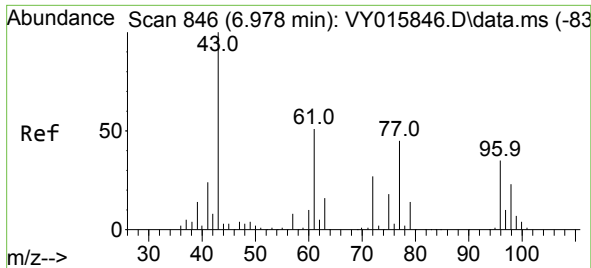
Tgt Ion: 84	Resp: 22254		
Ion	Ratio	Lower	Upper
84	100		
49	114.4	106.9	160.3
51	36.6	33.2	49.8
86	60.9	51.0	76.6



#25
2-Butanone
Concen: 2.280 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY015854.D
Acq: 06 Oct 2023 11:22

Tgt Ion: 43	Resp: 2880
Ion Ratio	Lower Upper
43 100	
72 14.3	20.5 30.7#

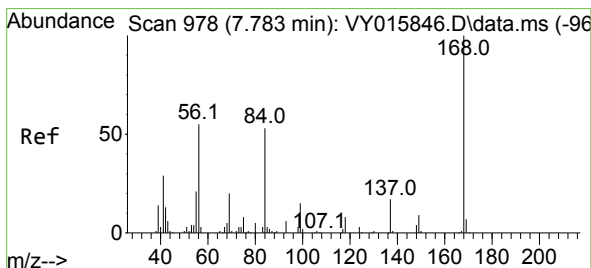
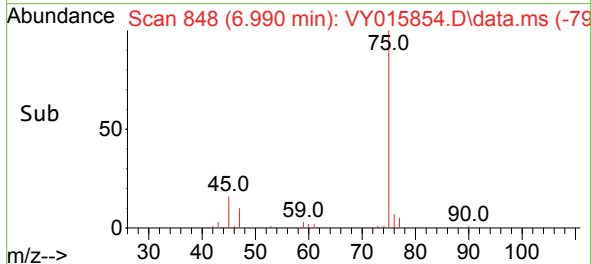
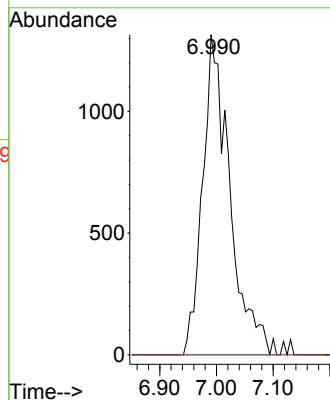
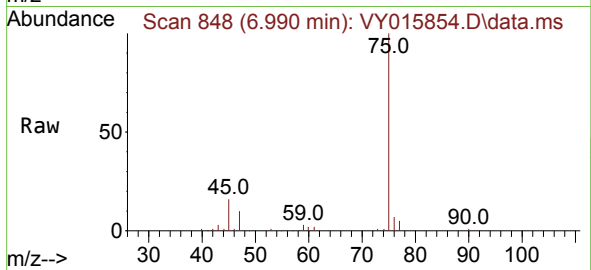




#26
2,2-Dichloropropane
Concen: 1.550 ug/l
RT: 6.990 min Scan# 846
Delta R.T. 0.012 min
Lab File: VY015854.D
Acq: 06 Oct 2023 11:22

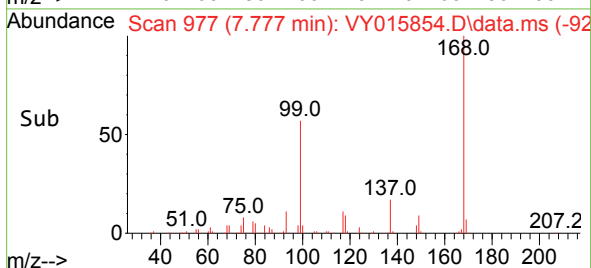
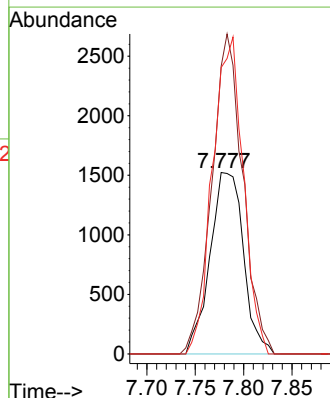
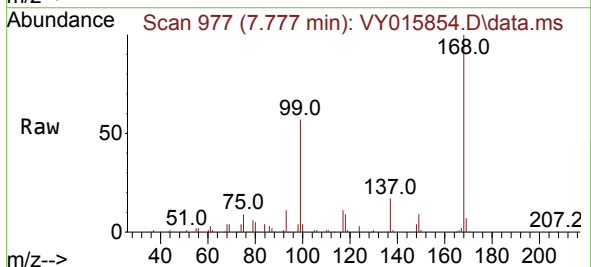
Instrument :
MSVOA_Y
ClientSampleId :

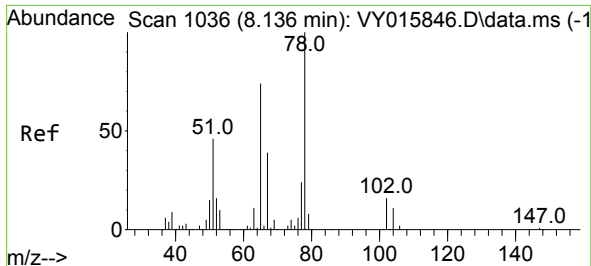
Tgt Ion: 77 Resp: 4391
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.829 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.006 min
Lab File: VY015854.D
Acq: 06 Oct 2023 11:22

Tgt Ion: 56 Resp: 3653
Ion Ratio Lower Upper
56 100
69 158.5 27.8 41.6#
84 157.8 66.4 99.6#

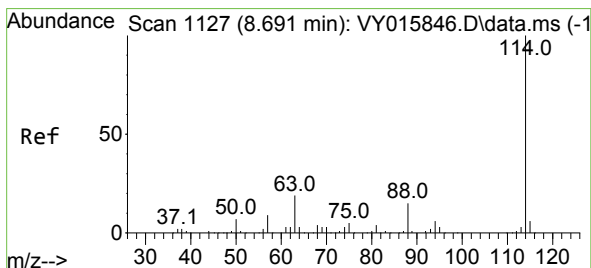
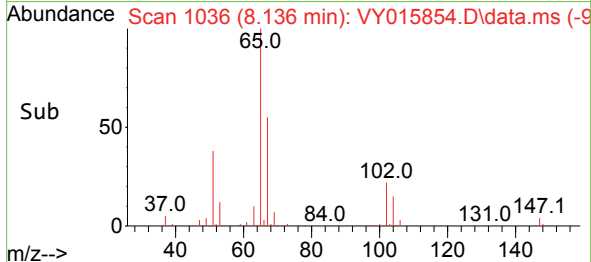
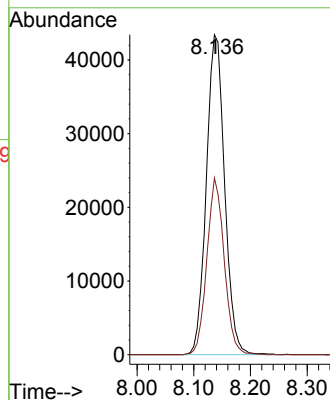
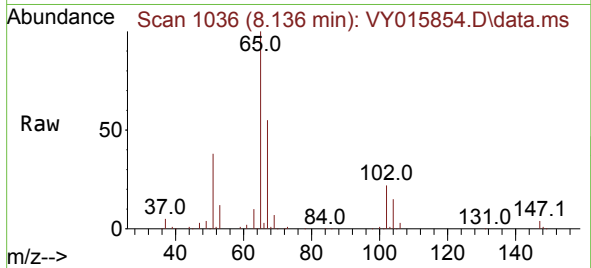




#33
 1,2-Dichloroethane-d4
 Concen: 54.933 ug/l
 RT: 8.136 min Scan# 1103
 Delta R.T. 0.000 min
 Lab File: VY015854.D
 Acq: 06 Oct 2023 11:22

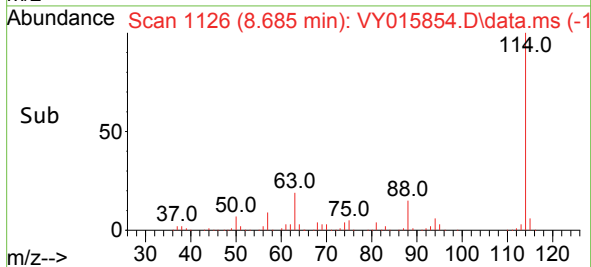
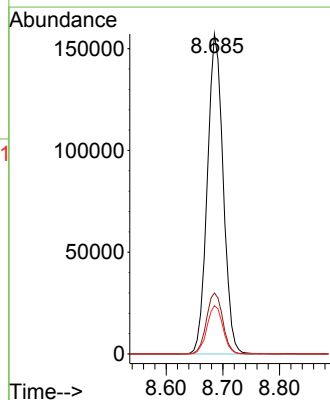
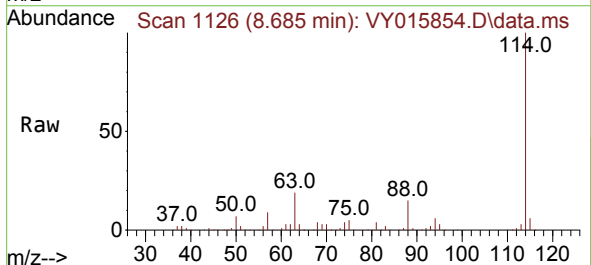
Instrument :
 MSVOA_Y
 ClientSampleId :

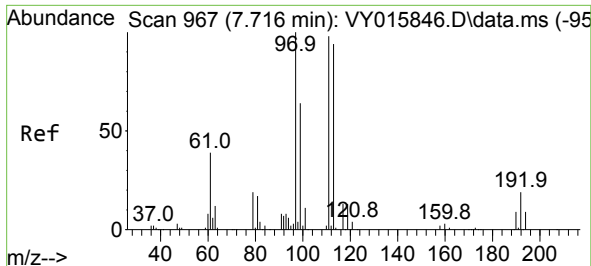
Tgt Ion: 65 Resp: 97362
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VY015854.D
 Acq: 06 Oct 2023 11:22

Tgt Ion:114 Resp: 304473
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 42.4
 88 15.1 0.0 30.6

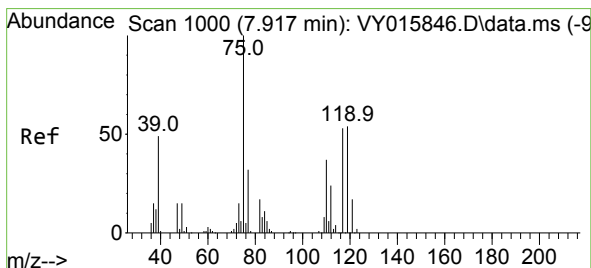
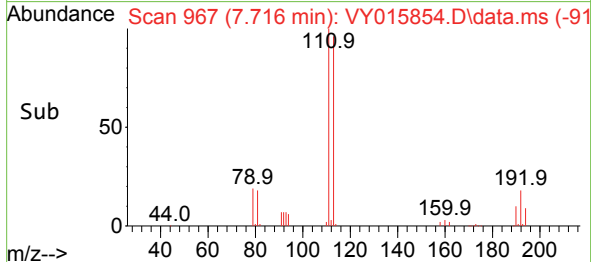
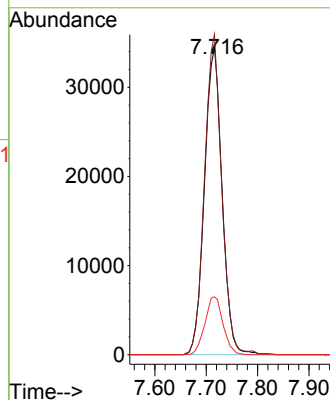
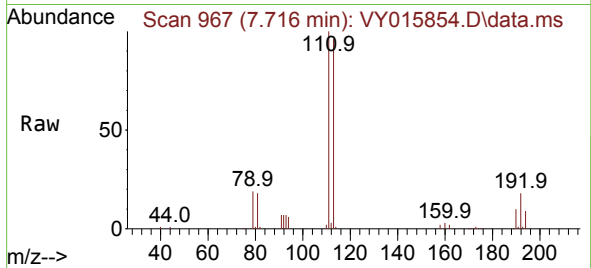




#35
Dibromofluoromethane
Concen: 47.233 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY015854.D
Acq: 06 Oct 2023 11:22

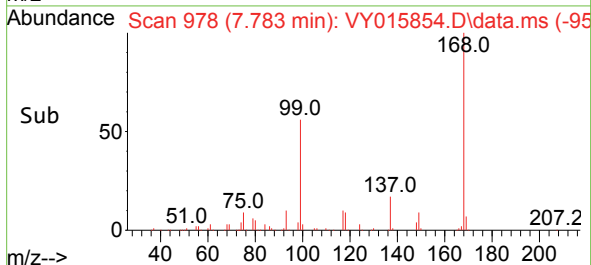
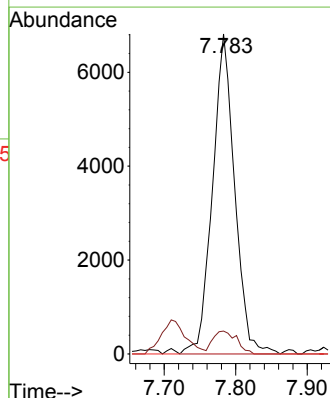
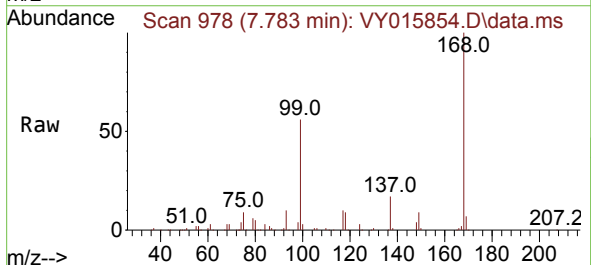
Instrument :
MSVOA_Y
ClientSampleId :

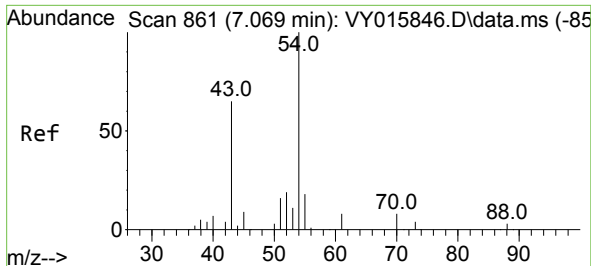
Tgt Ion:113 Resp: 81973
Ion Ratio Lower Upper
113 100
111 102.0 81.3 121.9
192 19.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 7.089 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY015854.D
Acq: 06 Oct 2023 11:22

Tgt Ion: 75 Resp: 14678
Ion Ratio Lower Upper
75 100
110 7.6 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.243 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.079 min

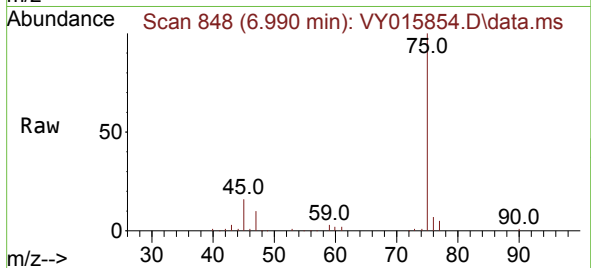
Lab File: VY015854.D

Acq: 06 Oct 2023 11:22

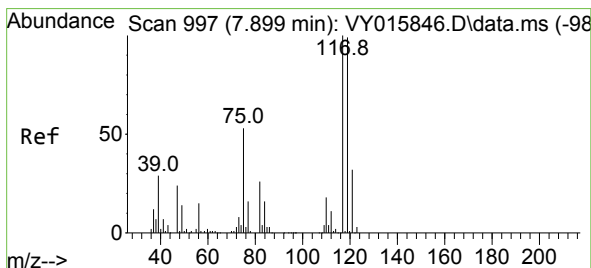
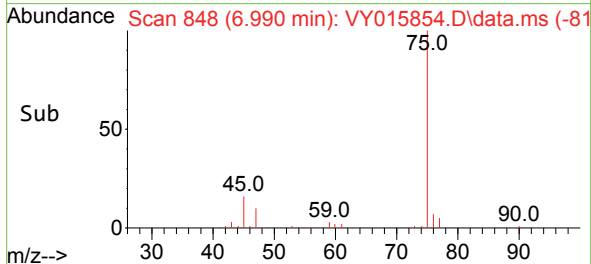
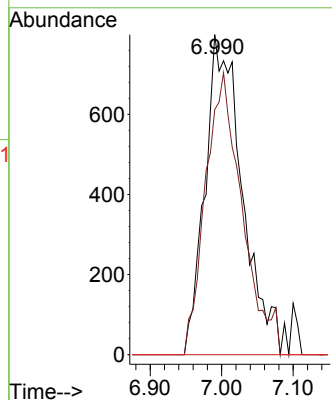
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	2880
Ion	Ratio	Lower	Upper
43	100		
61	87.1	10.1	15.1#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 7.308 ug/l

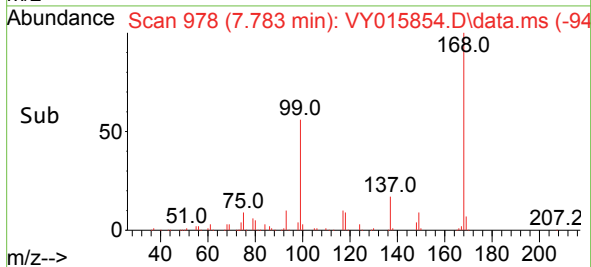
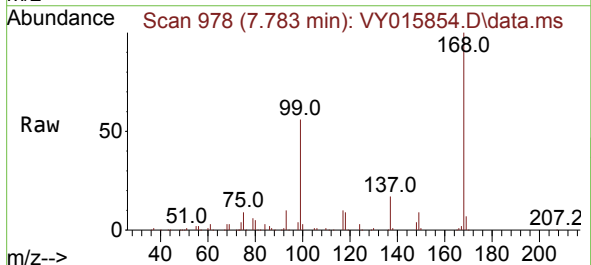
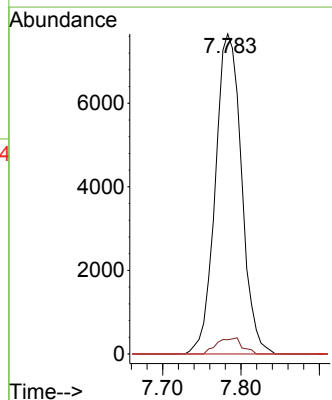
RT: 7.783 min Scan# 978

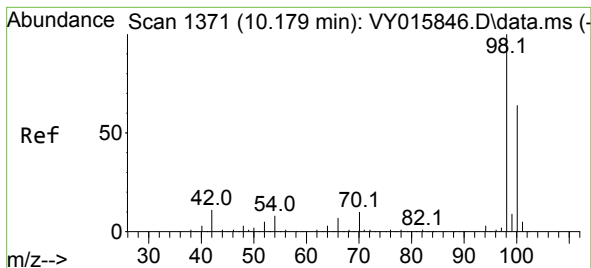
Delta R.T. -0.116 min

Lab File: VY015854.D

Acq: 06 Oct 2023 11:22

Tgt Ion:	117	Resp:	17792
Ion	Ratio	Lower	Upper
117	100		
119	4.4	76.4	114.6#
121	0.0	25.8	38.6#





#50

Toluene-d8

Concen: 52.678 ug/l

RT: 10.179 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY015854.D

Acq: 06 Oct 2023 11:22

Instrument :

MSVOA_Y

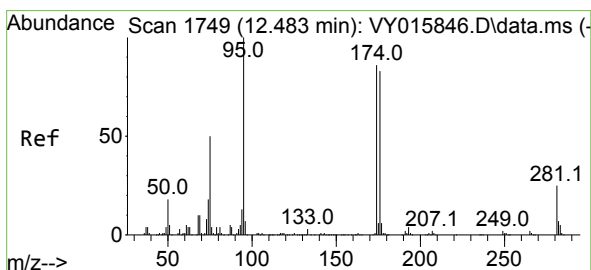
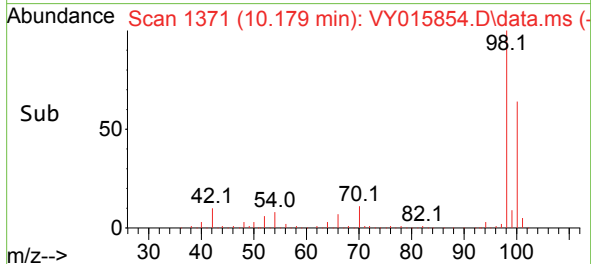
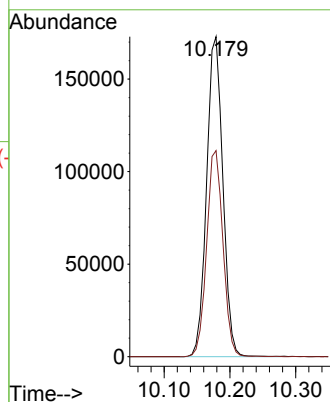
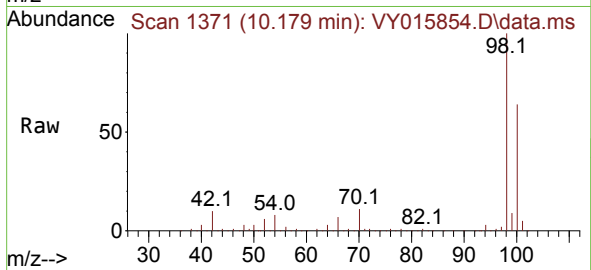
ClientSampleId :

Tgt Ion: 98 Resp: 296827

Ion Ratio Lower Upper

98 100

100 64.8 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 43.886 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY015854.D

Acq: 06 Oct 2023 11:22

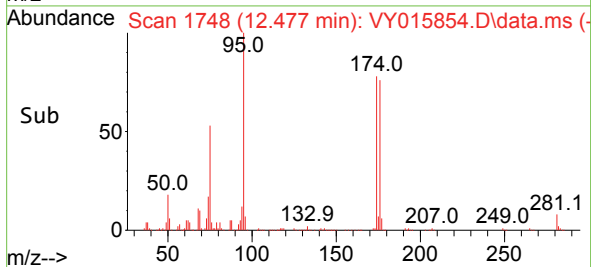
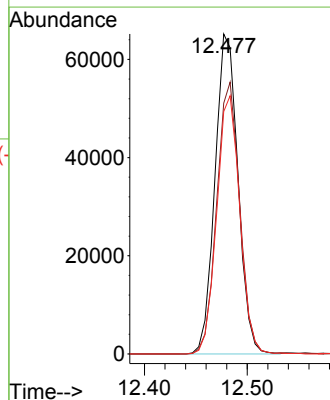
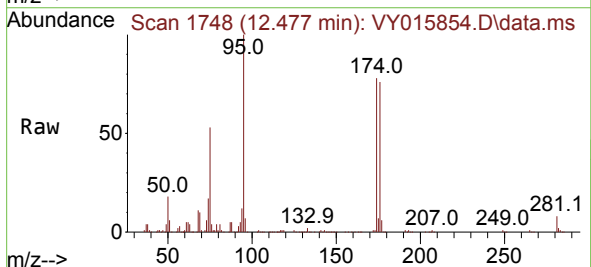
Tgt Ion: 95 Resp: 101079

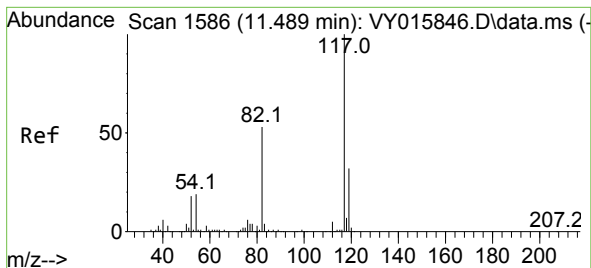
Ion Ratio Lower Upper

95 100

174 84.9 0.0 178.2

176 81.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

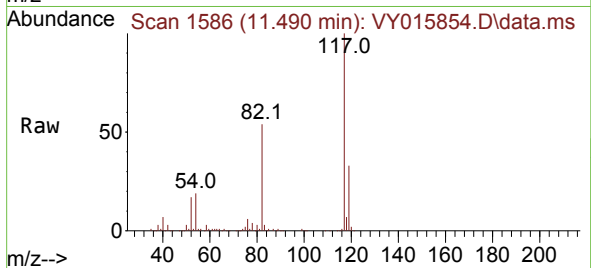
Lab File: VY015854.D

Acq: 06 Oct 2023 11:22

Instrument :

MSVOA_Y

ClientSampleId :



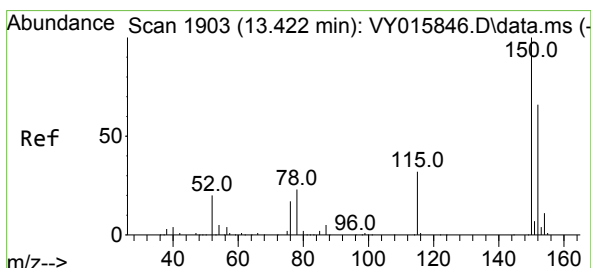
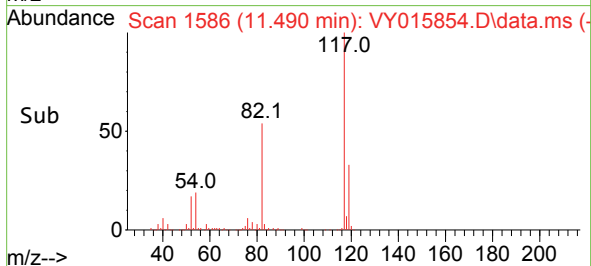
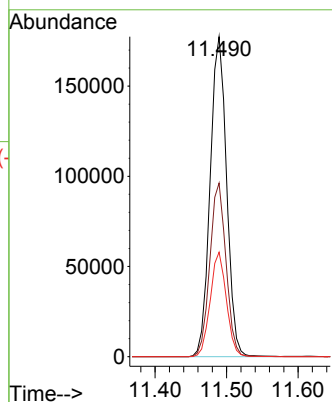
Tgt Ion:117 Resp: 283225

Ion Ratio Lower Upper

117 100

82 54.3 43.4 65.0

119 32.6 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: VY015854.D

Acq: 06 Oct 2023 11:22

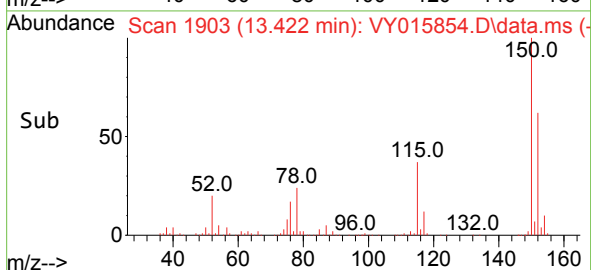
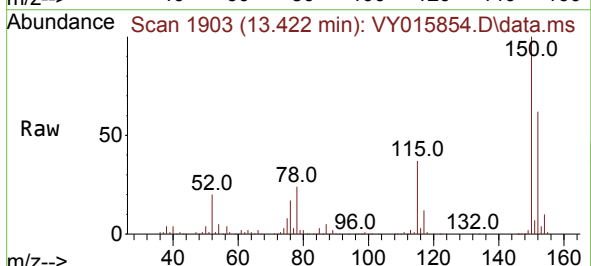
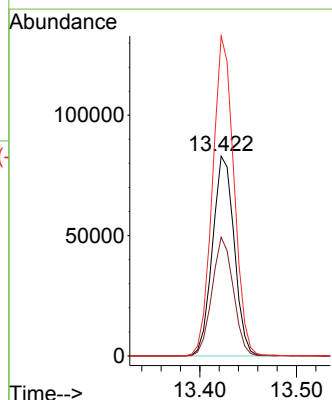
Tgt Ion:152 Resp: 129635

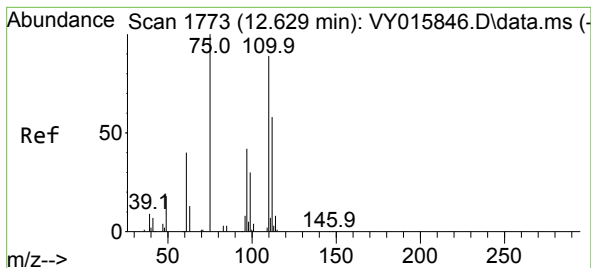
Ion Ratio Lower Upper

152 100

115 58.2 28.8 86.5

150 158.0 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 27.684 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015854.D

Acq: 06 Oct 2023 11:22

Instrument :

MSVOA_Y

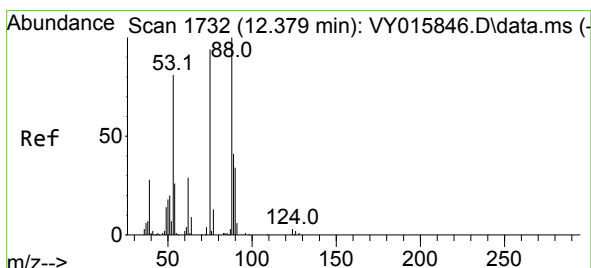
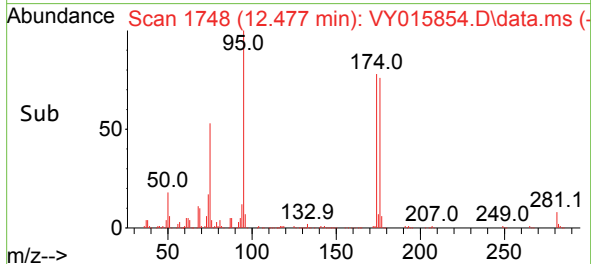
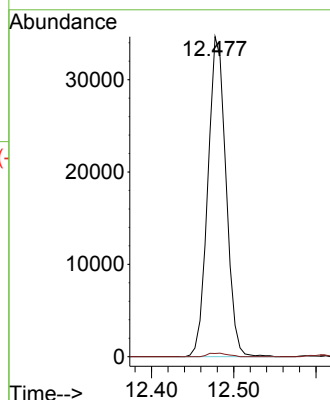
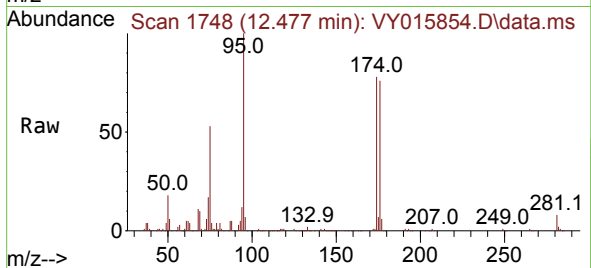
ClientSampleId :

Tgt Ion: 75 Resp: 53128

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.087 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.098 min

Lab File: VY015854.D

Acq: 06 Oct 2023 11:22

Tgt Ion: 75 Resp: 53128

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 37.4 56.0#

