

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100623\
 Data File : VY015859.D
 Acq On : 06 Oct 2023 14:00
 Operator : SY/MD
 Sample : 04736-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 07 07:26:39 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)

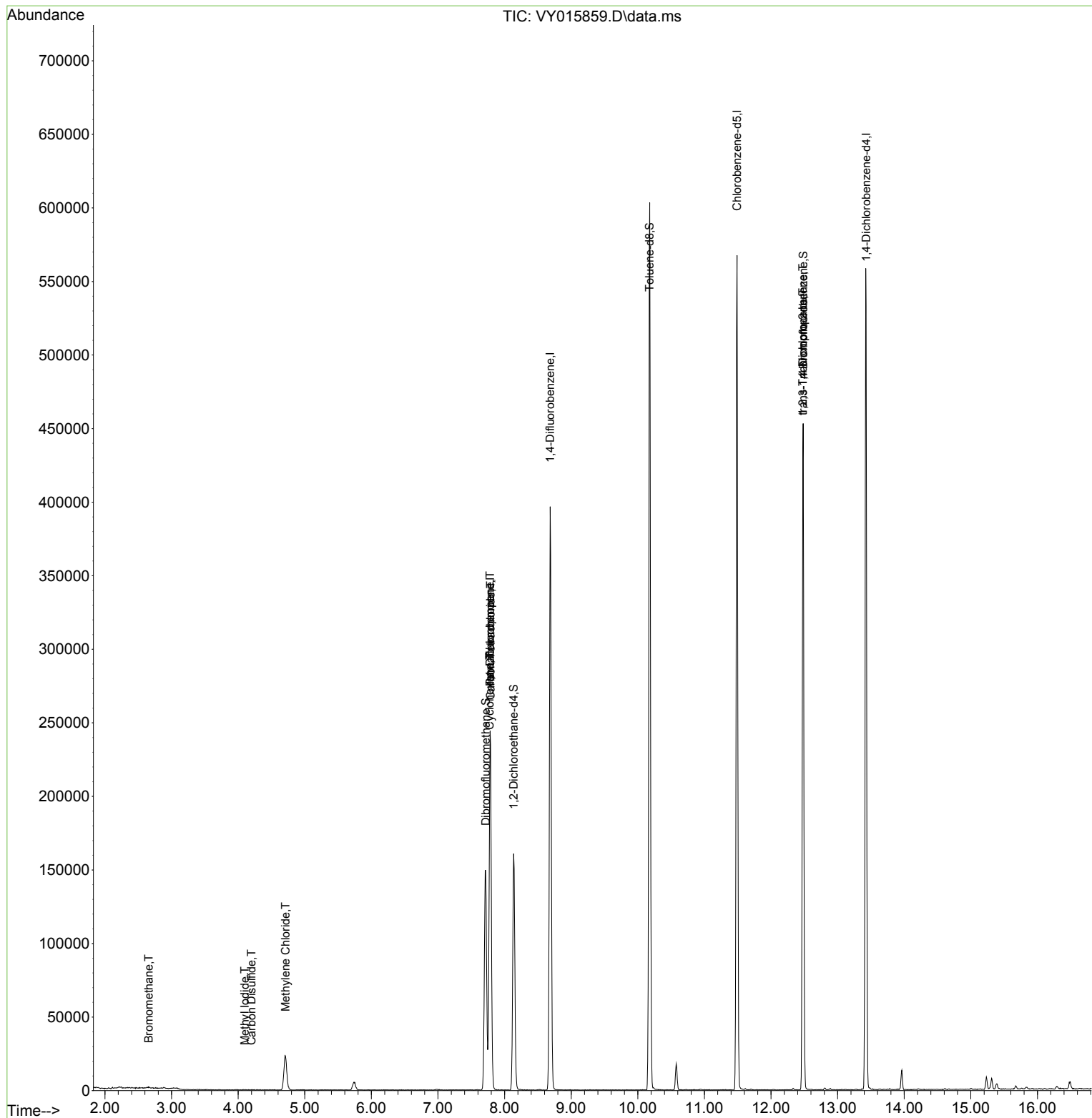
Internal Standards						
1) Pentafluorobenzene	7.783	168	189928	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	337615	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	312542	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	144253	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	124437	66.594	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 133.180%		
35) Dibromofluoromethane	7.716	113	109201	56.745	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 113.480%		
50) Toluene-d8	10.179	98	397229	63.576	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 127.160%		
62) 4-Bromofluorobenzene	12.483	95	137025	53.653	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 107.300%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.656	94	198	1.063	ug/l #	56
10) Methyl Iodide	4.101	142	251	3.267	ug/l #	38
17) Carbon Disulfide	4.198	76	29	2.920	ug/l #	76
20) Methylene Chloride	4.710	84	18211	2.329	ug/l	91
31) Cyclohexane	7.777	56	3772	1.791	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	14550	6.337	ug/l #	52
38) Carbon Tetrachloride	7.789	117	18799	6.964	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	70797	33.153	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	70797	76.746	ug/l #	11

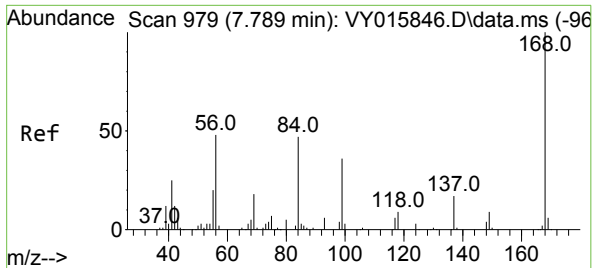
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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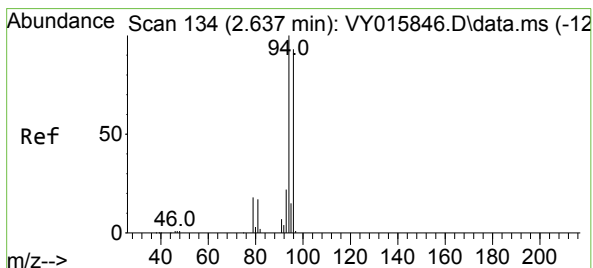
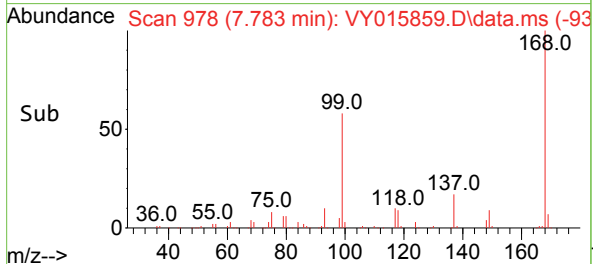
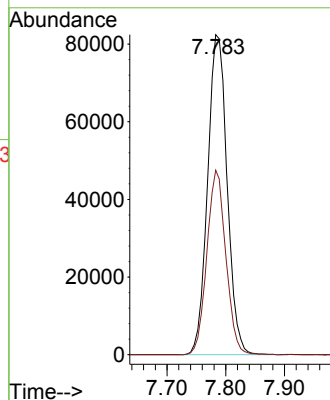
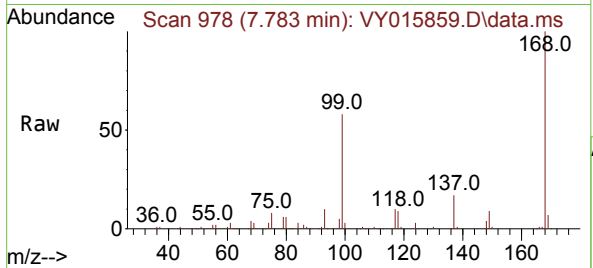




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015859.D
Acq: 06 Oct 2023 14:00

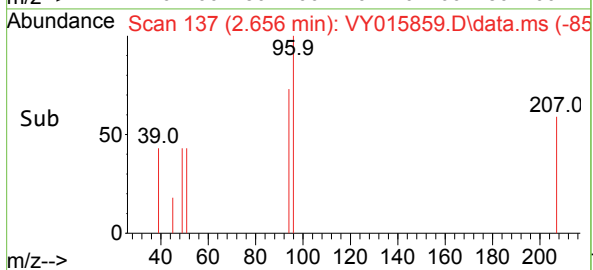
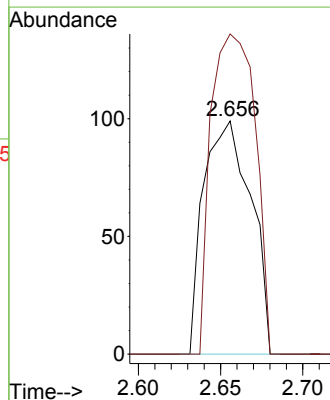
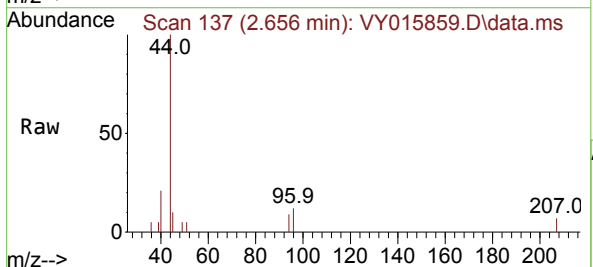
Instrument :
MSVOA_Y
ClientSampleId :

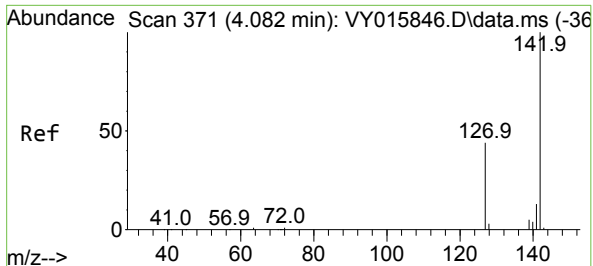
Tgt Ion:168 Resp: 189928
Ion Ratio Lower Upper
168 100
99 57.7 43.4 65.0



#5
Bromomethane
Concen: 1.063 ug/l
RT: 2.656 min Scan# 137
Delta R.T. 0.019 min
Lab File: VY015859.D
Acq: 06 Oct 2023 14:00

Tgt Ion: 94 Resp: 198
Ion Ratio Lower Upper
94 100
96 137.4 75.8 113.6#





#10

Methyl Iodide

Concen: 3.267 ug/l

RT: 4.101 min Scan# 31

Delta R.T. 0.019 min

Lab File: VY015859.D

Acq: 06 Oct 2023 14:00

Instrument :

MSVOA_Y

ClientSampleId :

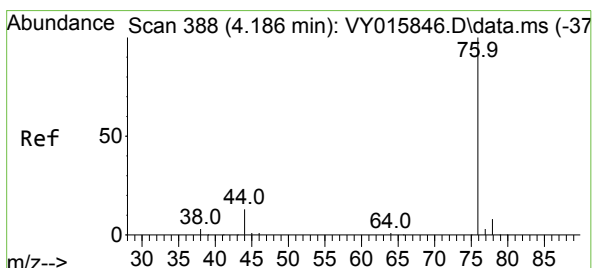
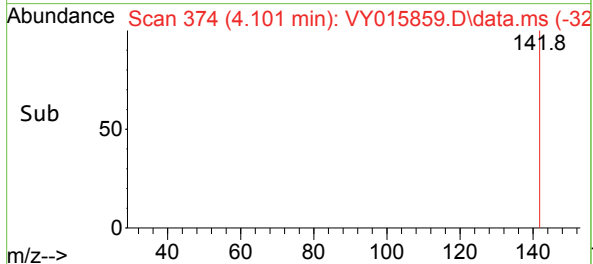
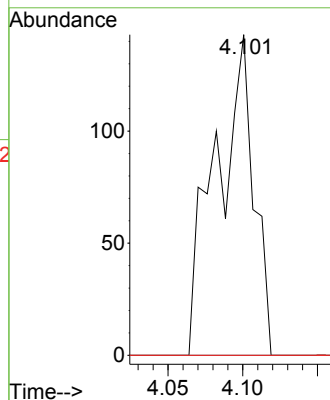
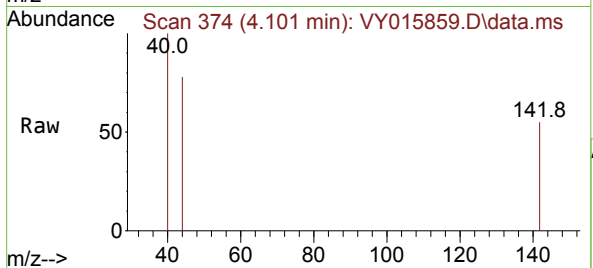
Tgt Ion:142 Resp: 251

Ion Ratio Lower Upper

142 100

127 0.0 37.6 56.4#

141 0.0 11.8 17.8#



#17

Carbon Disulfide

Concen: 2.920 ug/l

RT: 4.198 min Scan# 390

Delta R.T. 0.012 min

Lab File: VY015859.D

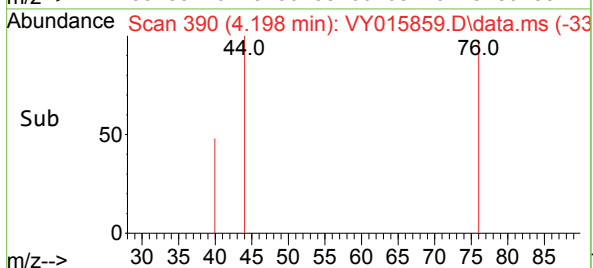
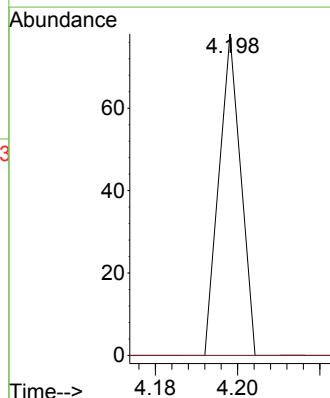
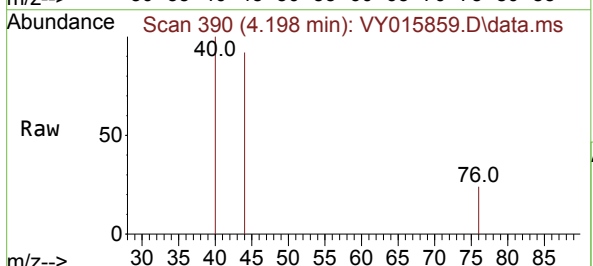
Acq: 06 Oct 2023 14:00

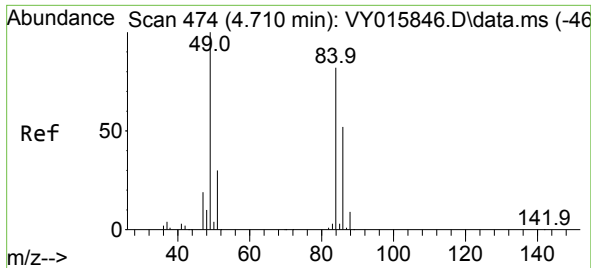
Tgt Ion: 76 Resp: 29

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



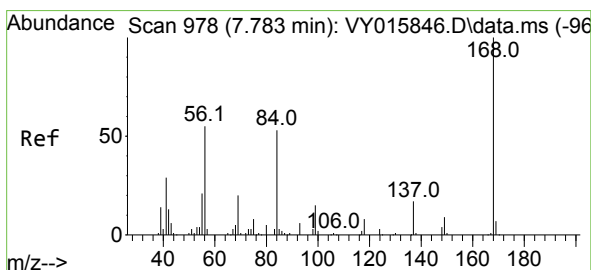
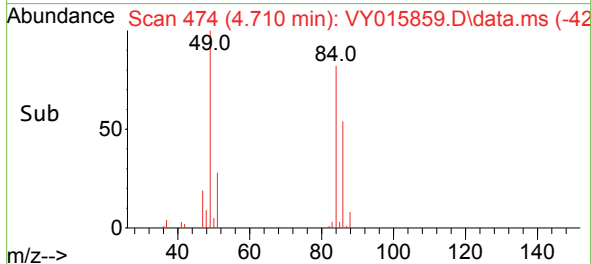
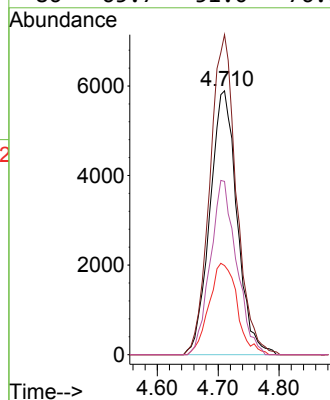
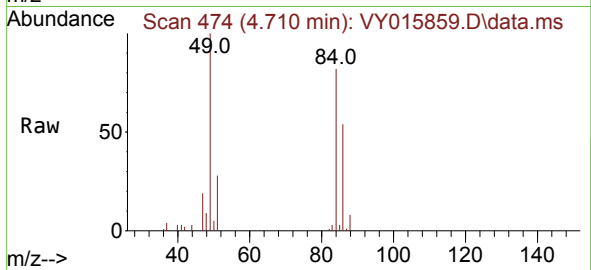


#20
Methylene Chloride
Concen: 2.329 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015859.D
Acq: 06 Oct 2023 14:00

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 84 Resp: 18211

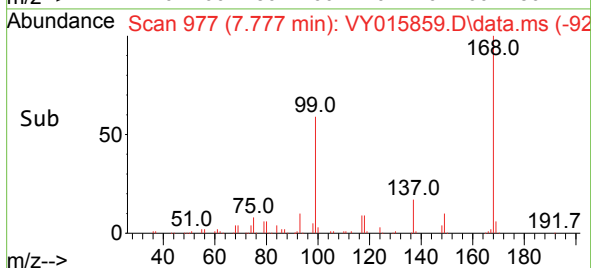
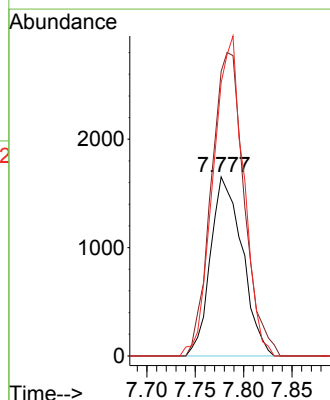
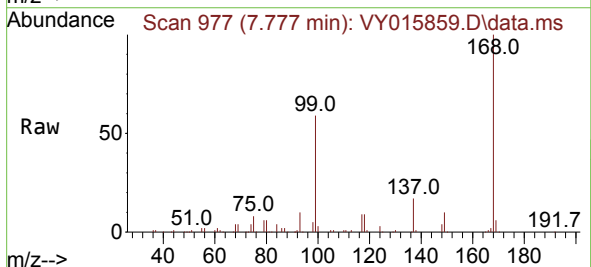
Ion	Ratio	Lower	Upper
84	100		
49	121.3	106.9	160.3
51	33.8	33.2	49.8
86	65.7	51.0	76.6

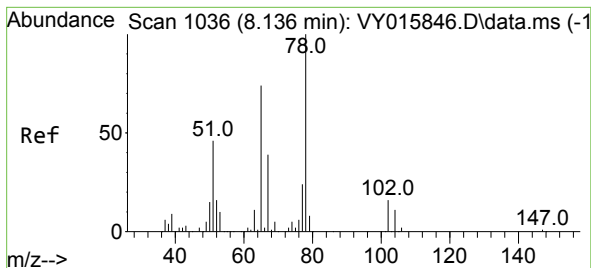


#31
Cyclohexane
Concen: 1.791 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.006 min
Lab File: VY015859.D
Acq: 06 Oct 2023 14:00

Tgt Ion: 56 Resp: 3772

Ion	Ratio	Lower	Upper
56	100		
69	159.0	27.8	41.6#
84	152.7	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 66.594 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015859.D

Acq: 06 Oct 2023 14:00

Instrument :

MSVOA_Y

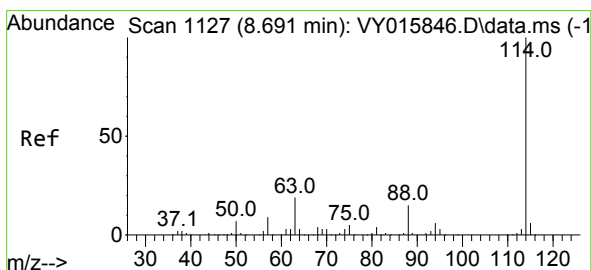
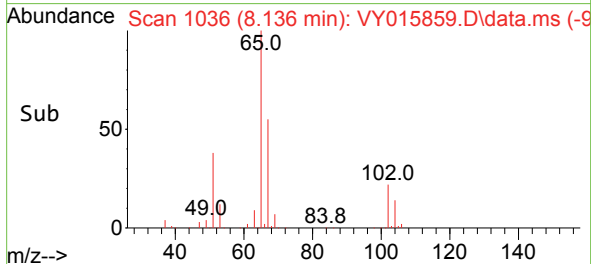
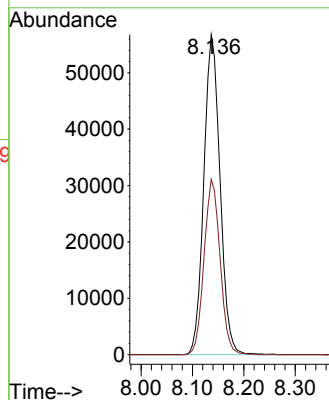
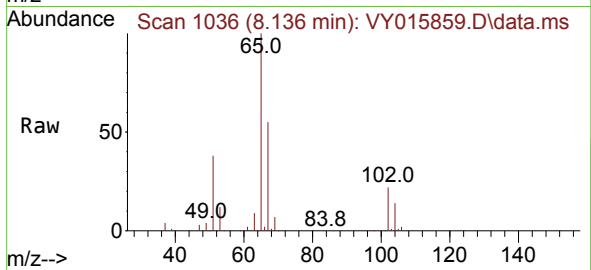
ClientSampleId :

Tgt Ion: 65 Resp: 124437

Ion Ratio Lower Upper

65 100

67 54.2 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: VY015859.D

Acq: 06 Oct 2023 14:00

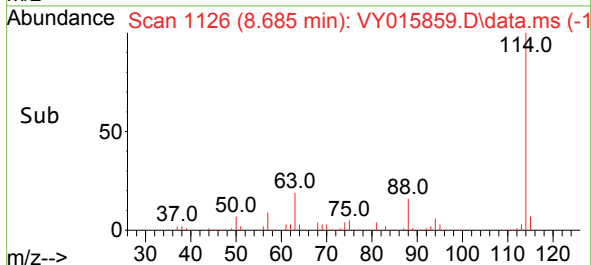
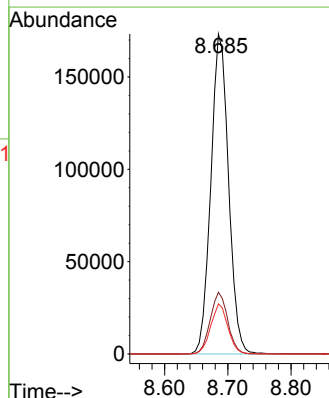
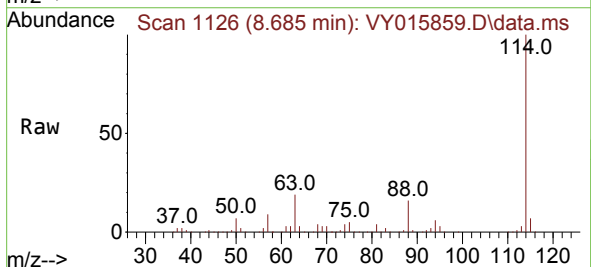
Tgt Ion: 114 Resp: 337615

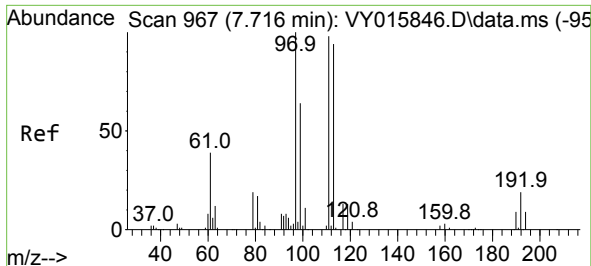
Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.4

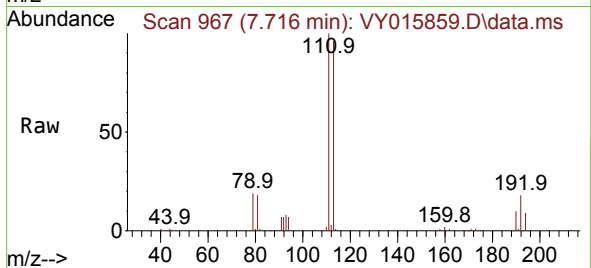
88 15.6 0.0 30.6



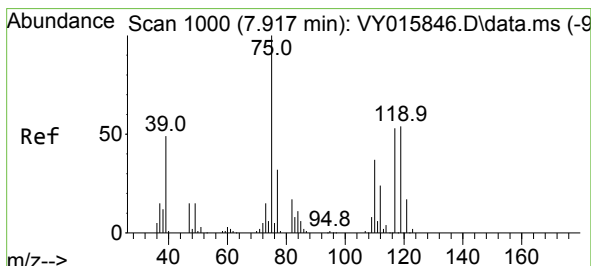
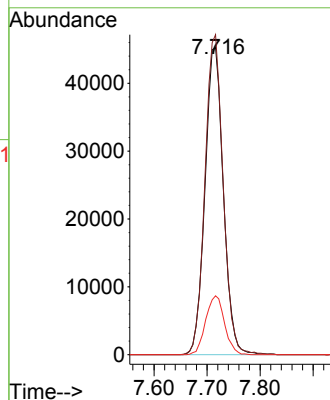
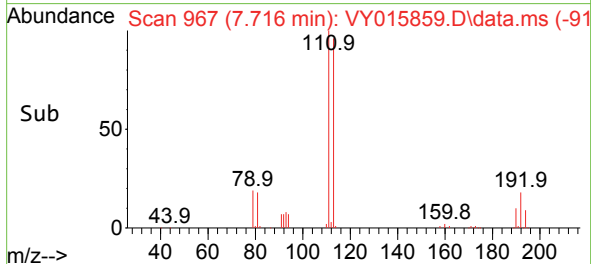


#35
Dibromofluoromethane
Concen: 56.745 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY015859.D
Acq: 06 Oct 2023 14:00

Instrument :
MSVOA_Y
ClientSampleId :

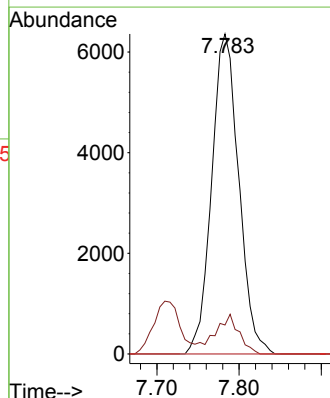
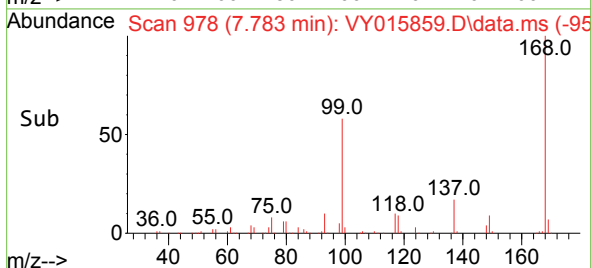
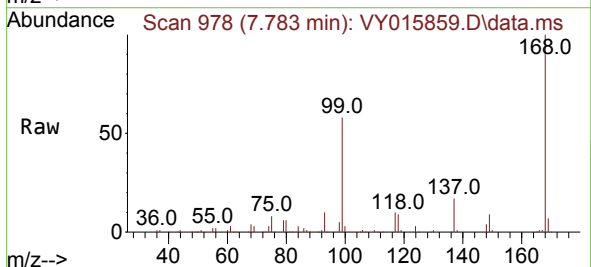


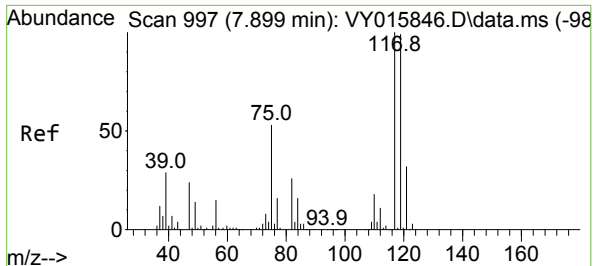
Tgt Ion:113 Resp: 109201
Ion Ratio Lower Upper
113 100
111 102.8 81.3 121.9
192 19.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.337 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY015859.D
Acq: 06 Oct 2023 14:00

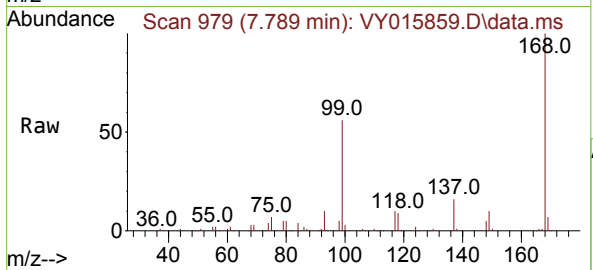
Tgt Ion: 75 Resp: 14550
Ion Ratio Lower Upper
75 100
110 11.1 17.8 53.5#
77 0.0 24.4 36.6#



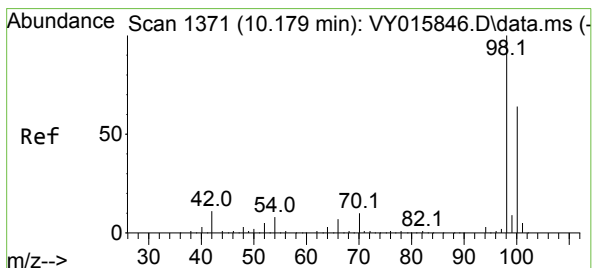
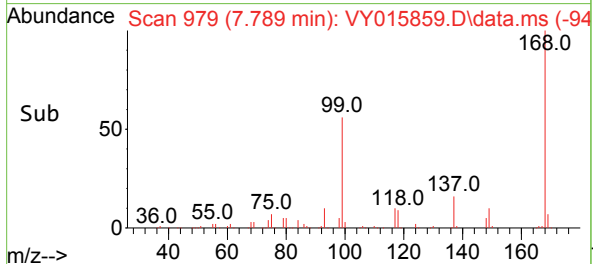
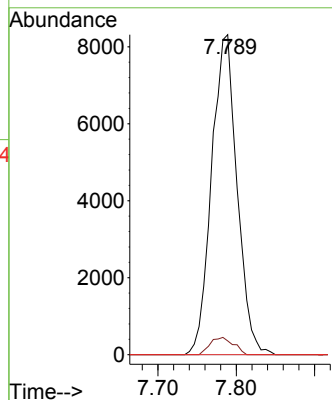


#38
Carbon Tetrachloride
Concen: 6.964 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015859.D
Acq: 06 Oct 2023 14:00

Instrument :
MSVOA_Y
ClientSampleId :

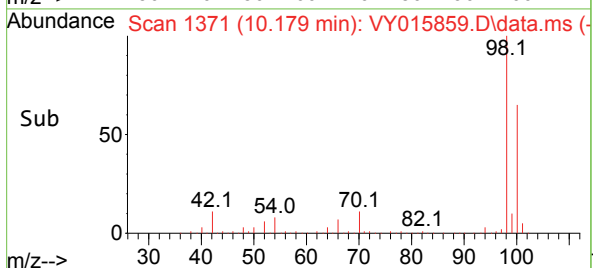
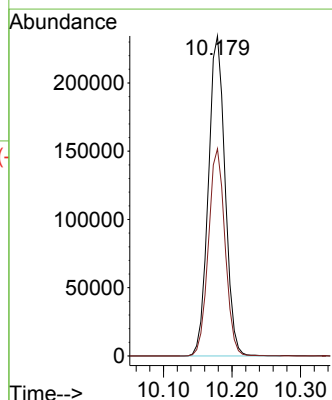
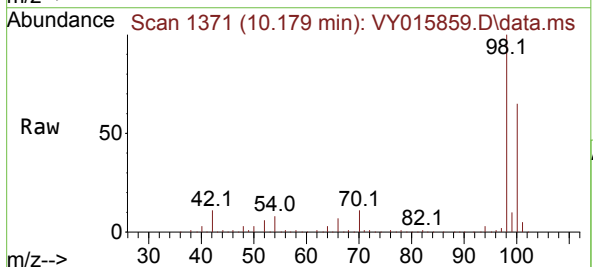


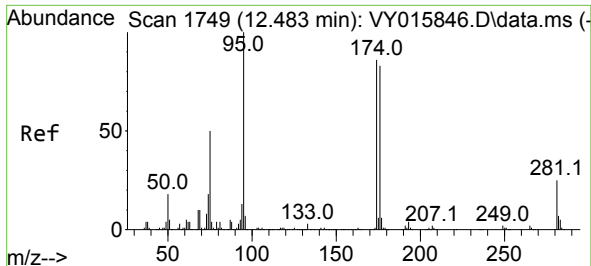
Tgt Ion:117 Resp: 18799
Ion Ratio Lower Upper
117 100
119 4.3 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 63.576 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015859.D
Acq: 06 Oct 2023 14:00

Tgt Ion: 98 Resp: 397229
Ion Ratio Lower Upper
98 100
100 64.5 50.1 75.1

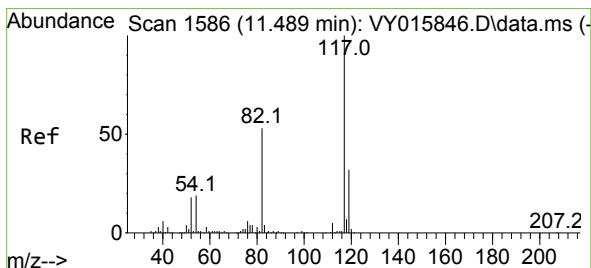
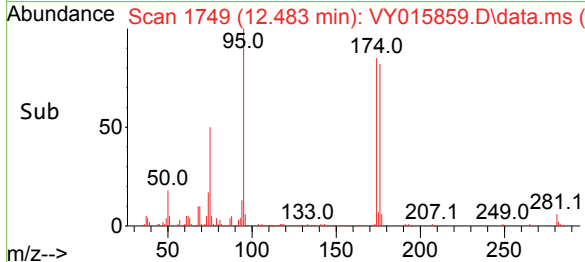
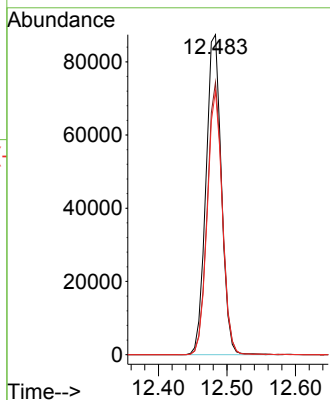
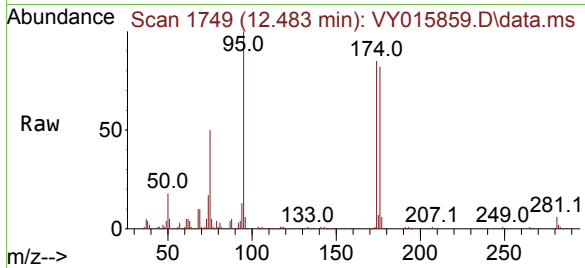




#62
4-Bromofluorobenzene
Concen: 53.653 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY015859.D
Acq: 06 Oct 2023 14:00

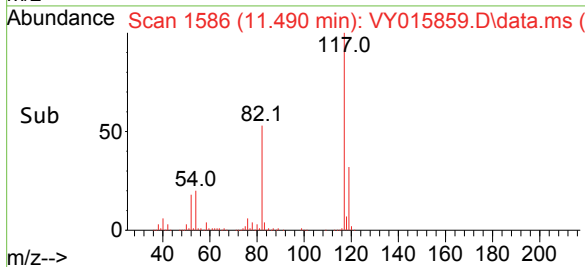
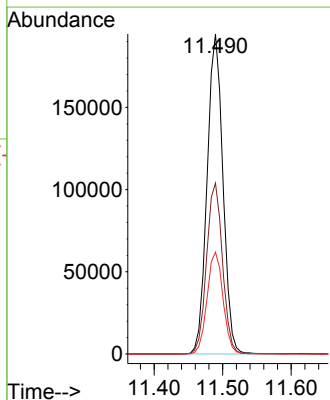
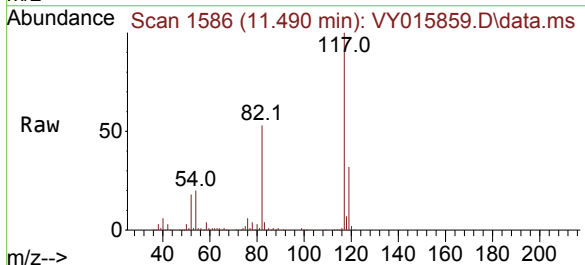
Instrument :
MSVOA_Y
ClientSampleId :

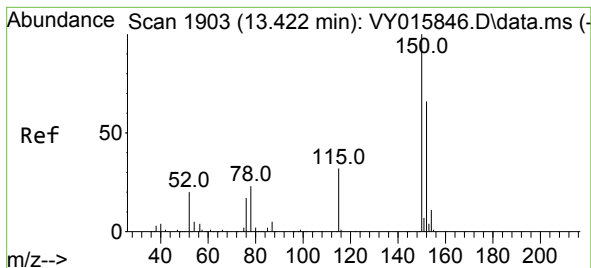
Tgt Ion: 95 Resp: 137025
Ion Ratio Lower Upper
95 100
174 83.1 0.0 178.2
176 80.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015859.D
Acq: 06 Oct 2023 14:00

Tgt Ion: 117 Resp: 312542
Ion Ratio Lower Upper
117 100
82 53.4 43.4 65.0
119 31.8 26.3 39.5

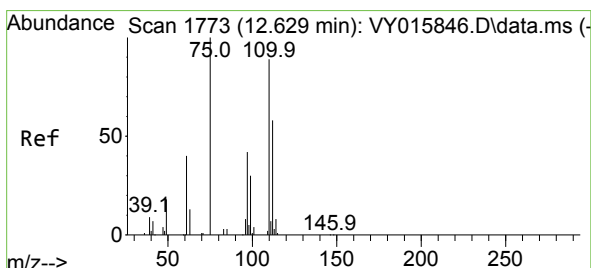
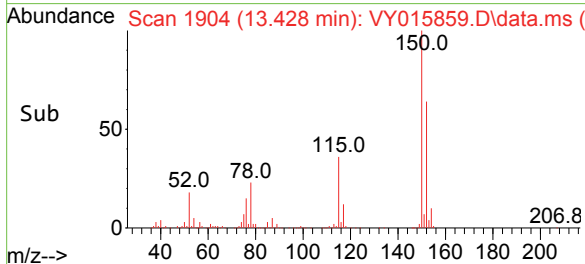
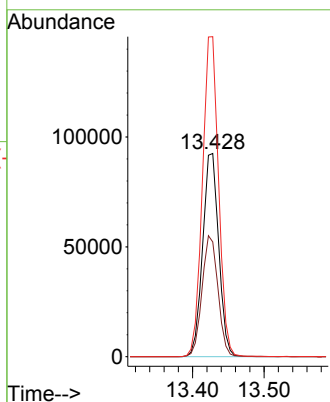
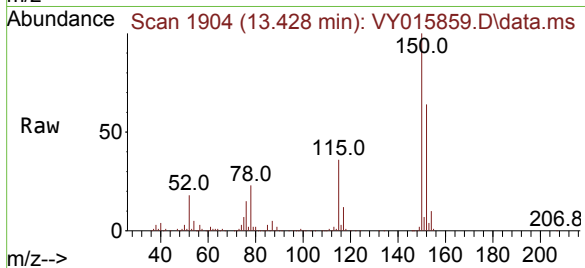




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY015859.D
 Acq: 06 Oct 2023 14:00

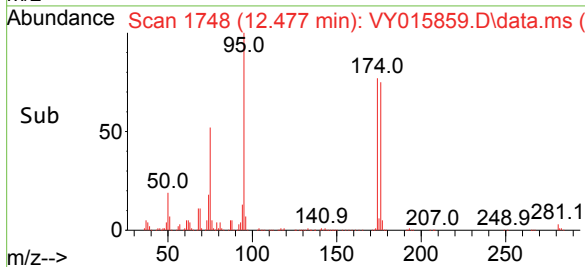
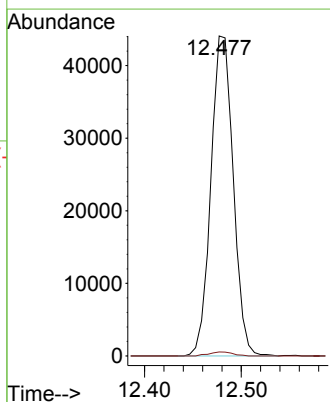
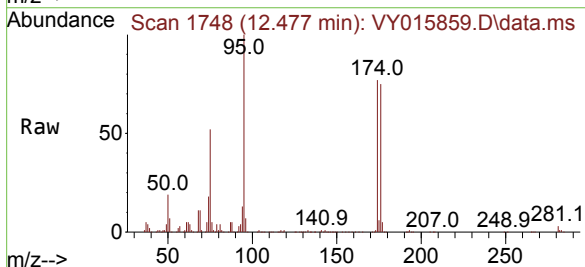
Instrument :
 MSVOA_Y
 ClientSampleId :

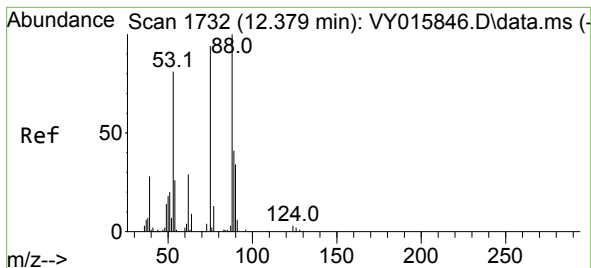
Tgt Ion:152 Resp: 144253
 Ion Ratio Lower Upper
 152 100
 115 59.1 28.8 86.5
 150 158.4 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 33.153 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY015859.D
 Acq: 06 Oct 2023 14:00

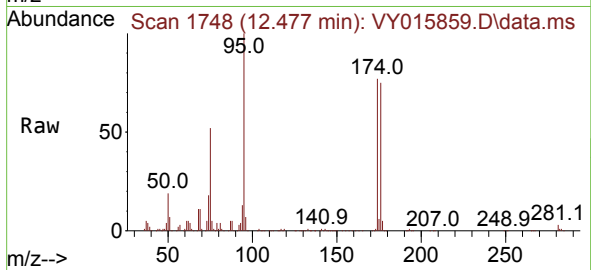
Tgt Ion: 75 Resp: 70797
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.746 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY015859.D
 Acq: 06 Oct 2023 14:00

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 70797
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.1 37.4 56.0#

