

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072623\
 Data File : VY014859.D
 Acq On : 26 Jul 2023 19:02
 Operator : SY/MD
 Sample : 03686-03
 Misc : 3.32g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 27 01:12:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

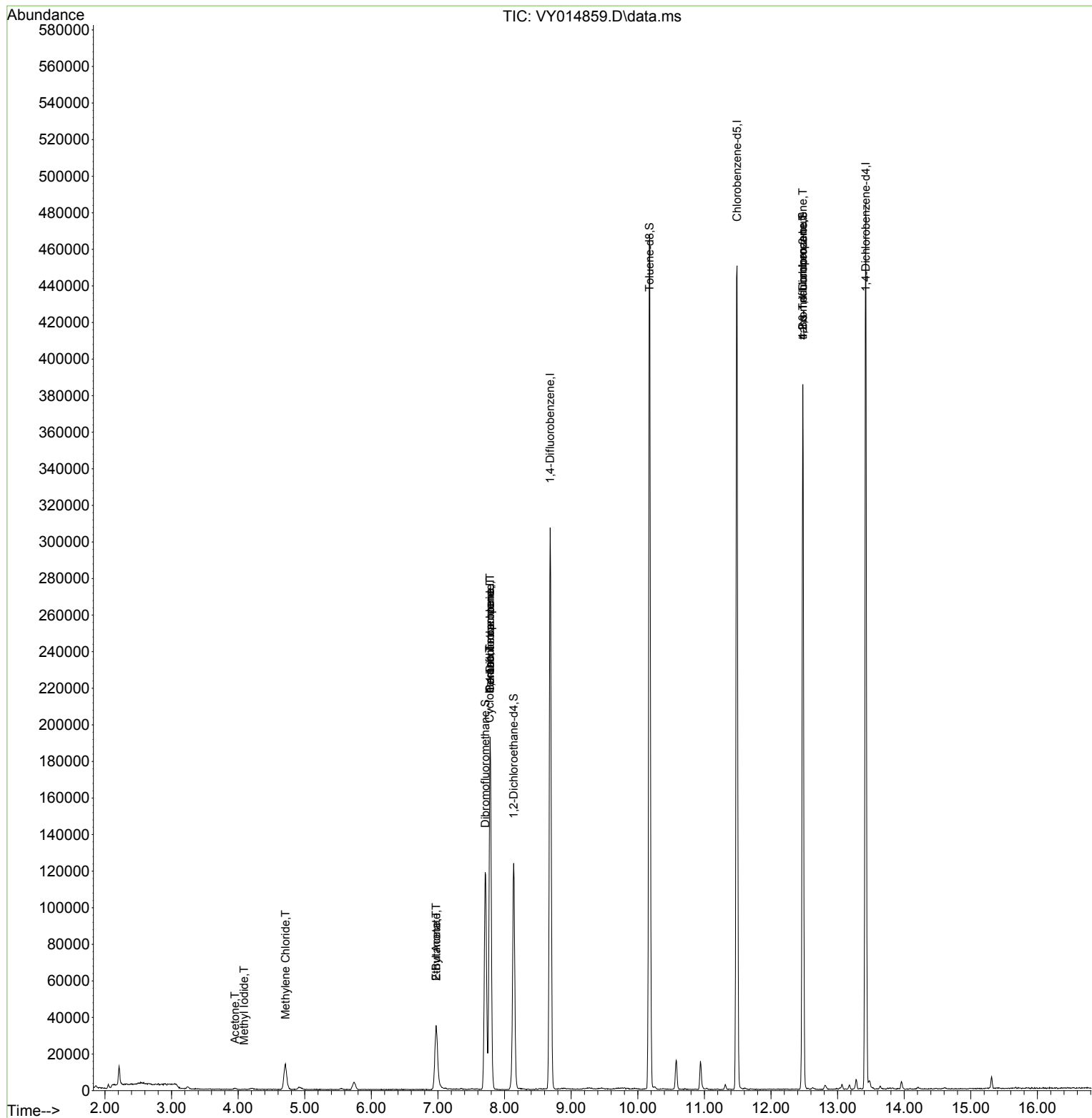
Internal Standards						
1) Pentafluorobenzene	7.783	168	150117	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	265258	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	254066	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	119275	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	94348	55.154	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.300%
35) Dibromofluoromethane	7.710	113	84050	49.776	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.560%
50) Toluene-d8	10.179	98	318416	51.148	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.300%
62) 4-Bromofluorobenzene	12.477	95	115485	48.380	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.760%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.088	142	69	2.409	ug/l #	38
11) Tert butyl alcohol	4.936	59	1352	Below Cal	#	89
16) Acetone	3.954	43	1125	2.075	ug/l #	77
20) Methylene Chloride	4.710	84	10408	1.843	ug/l	91
25) 2-Butanone	6.972	43	2158	2.721	ug/l #	75
31) Cyclohexane	7.777	56	3192	1.124	ug/l #	2
36) 1,1-Dichloropropene	7.783	75	11843	4.690	ug/l #	50
37) Ethyl Acetate	6.972	43	2158	1.241	ug/l #	4
38) Carbon Tetrachloride	7.783	117	15260	5.717	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	61454	40.795	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	61454	78.986	ug/l #	10

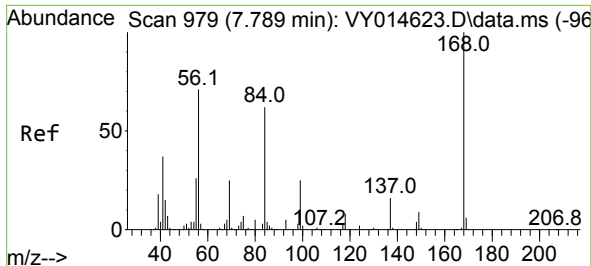
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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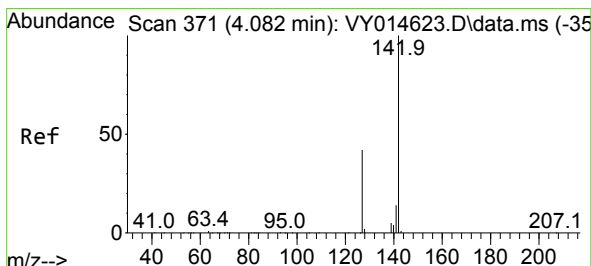
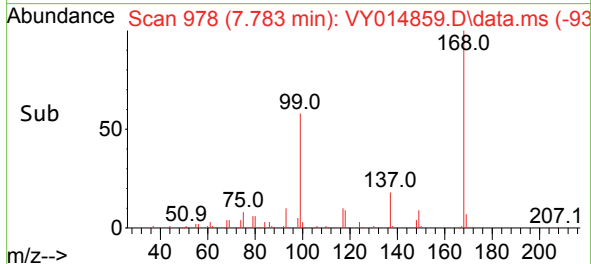
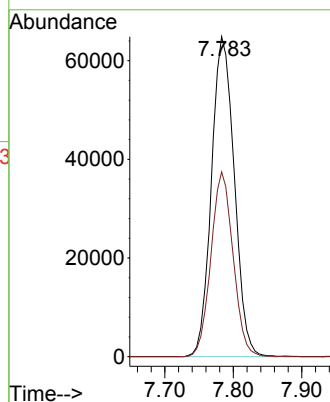
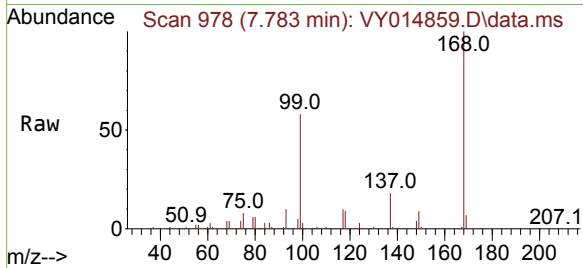




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014859.D
Acq: 26 Jul 2023 19:02

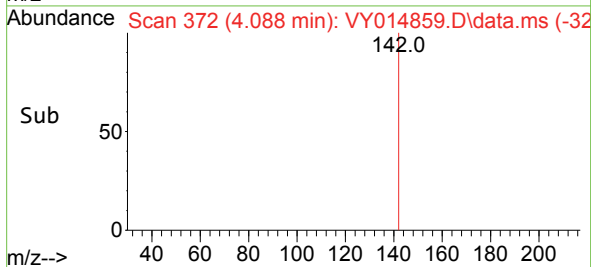
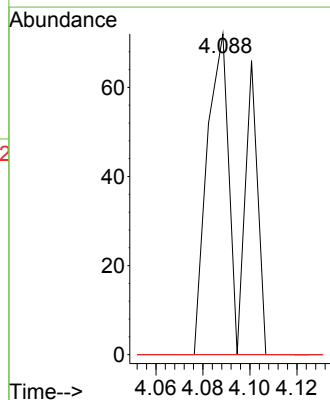
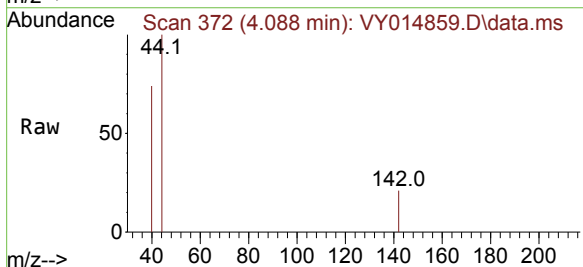
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 150117
Ion Ratio Lower Upper
168 100
99 57.8 43.4 65.0



#10
Methyl Iodide
Concen: 2.409 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.006 min
Lab File: VY014859.D
Acq: 26 Jul 2023 19:02

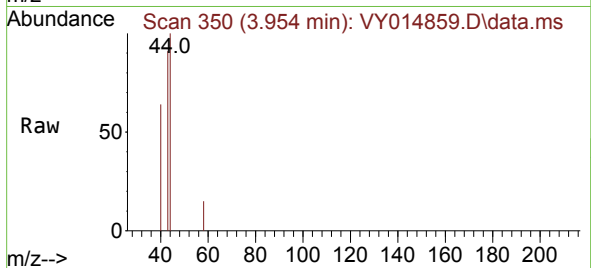
Tgt Ion:142 Resp: 69
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



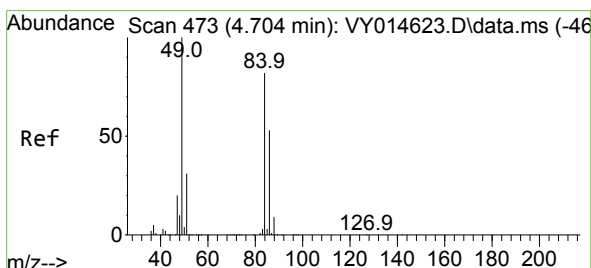
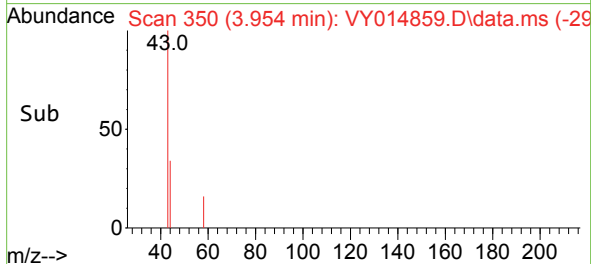
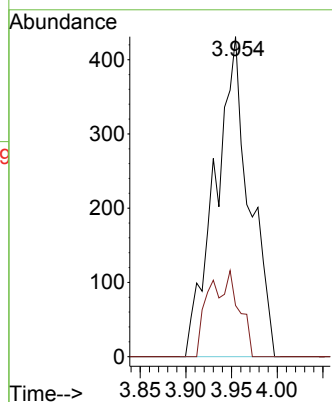


#16
Acetone
Concen: 2.075 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY014859.D
Acq: 26 Jul 2023 19:02

Instrument :
MSVOA_Y
ClientSampleId :

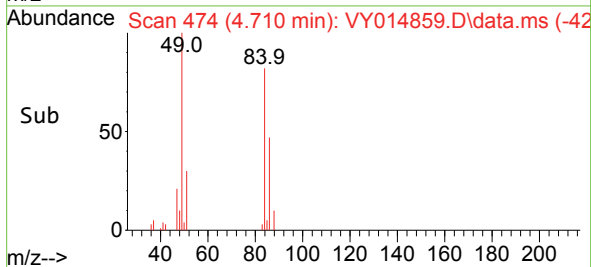
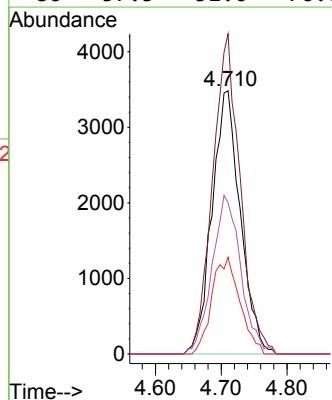
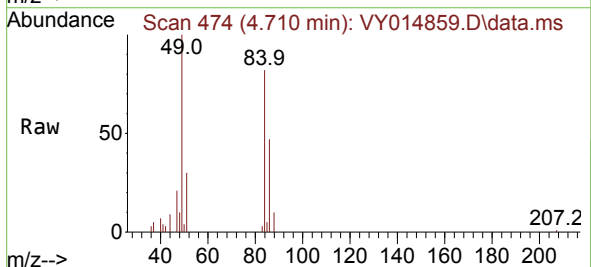


Tgt Ion: 43 Resp: 1125
Ion Ratio Lower Upper
43 100
58 16.0 22.7 34.1#



#20
Methylene Chloride
Concen: 1.843 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY014859.D
Acq: 26 Jul 2023 19:02

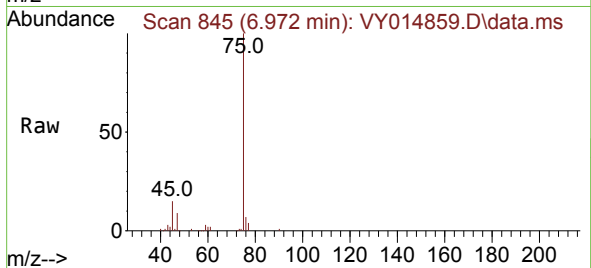
Tgt Ion: 84 Resp: 10408
Ion Ratio Lower Upper
84 100
49 121.6 106.9 160.3
51 36.7 33.2 49.8
86 57.5 51.0 76.6



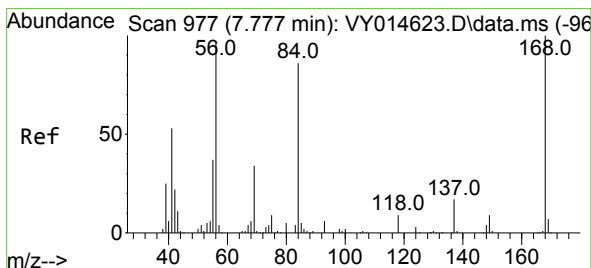
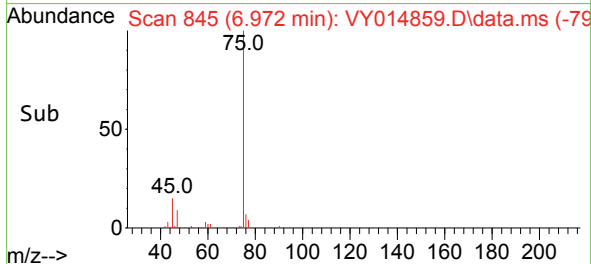
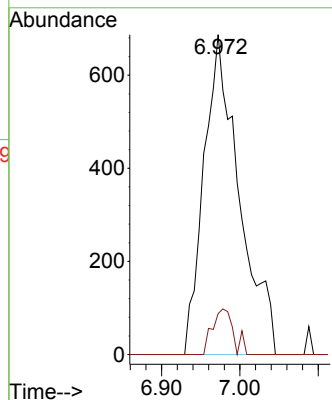


#25
2-Butanone
Concen: 2.721 ug/l
RT: 6.972 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY014859.D
Acq: 26 Jul 2023 19:02

Instrument :
MSVOA_Y
ClientSampleId :

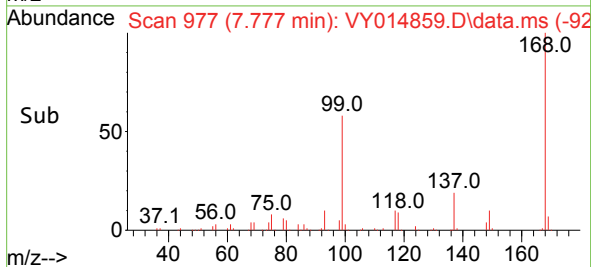
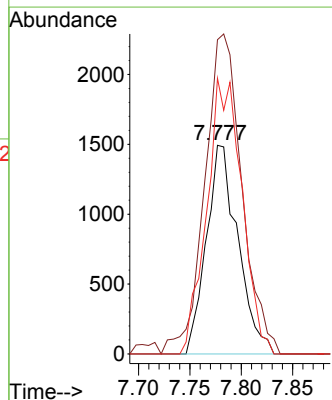
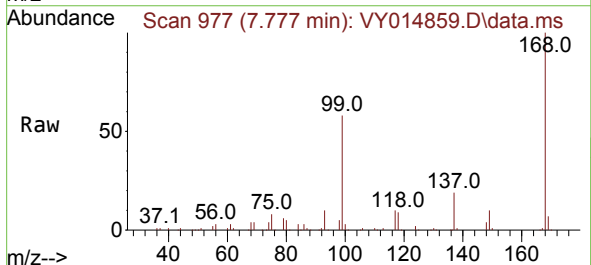


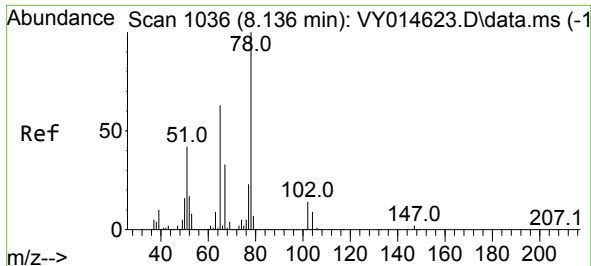
Tgt Ion: 43 Resp: 2158
Ion Ratio Lower Upper
43 100
72 12.8 20.5 30.7#



#31
Cyclohexane
Concen: 1.124 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.000 min
Lab File: VY014859.D
Acq: 26 Jul 2023 19:02

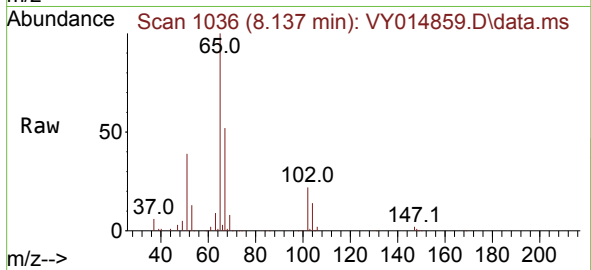
Tgt Ion: 56 Resp: 3192
Ion Ratio Lower Upper
56 100
69 150.6 27.8 41.6#
84 132.2 66.4 99.6#



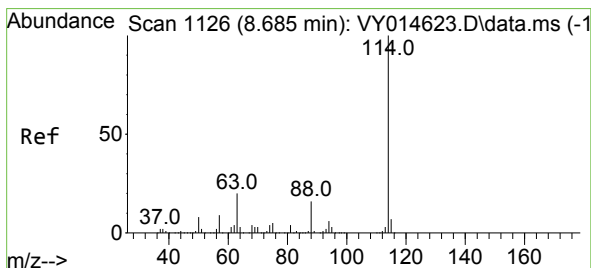
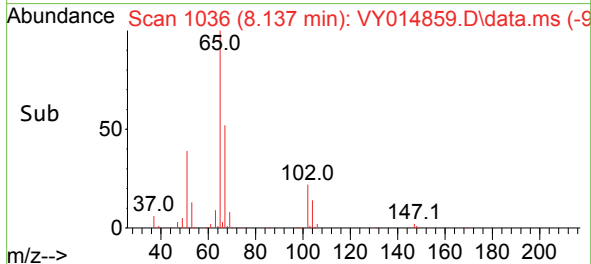
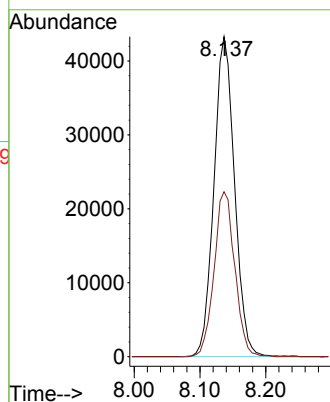


#33
 1,2-Dichloroethane-d4
 Concen: 55.154 ug/l
 RT: 8.137 min Scan# 1036
 Delta R.T. 0.001 min
 Lab File: VY014859.D
 Acq: 26 Jul 2023 19:02

Instrument :
 MSVOA_Y
 ClientSampleId :

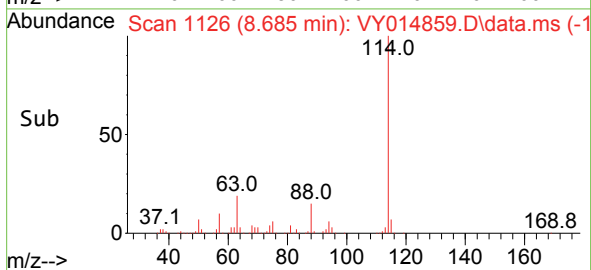
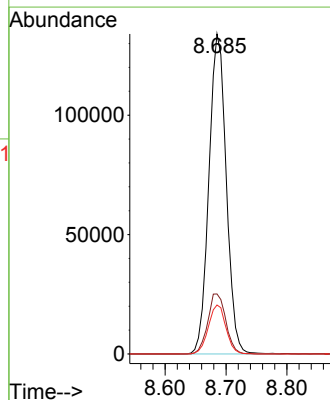
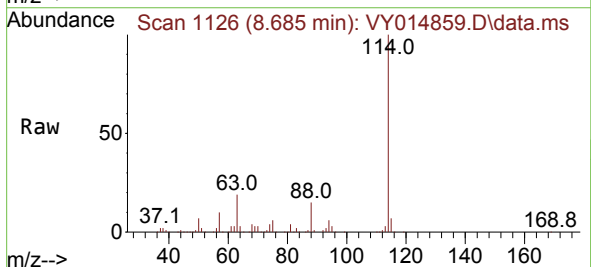


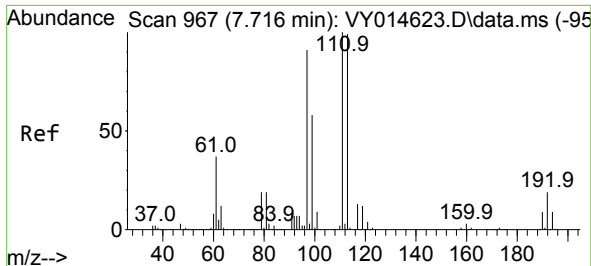
Tgt Ion: 65 Resp: 94348
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY014859.D
 Acq: 26 Jul 2023 19:02

Tgt Ion: 114 Resp: 265258
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 42.4
 88 15.3 0.0 30.6

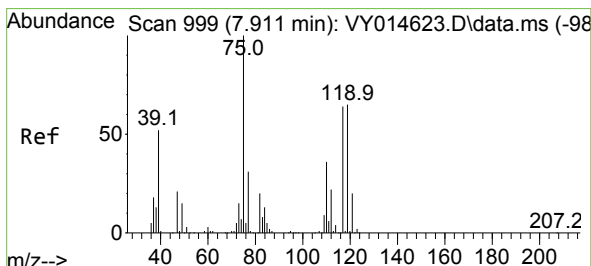
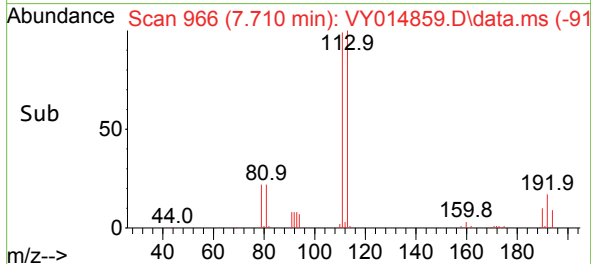
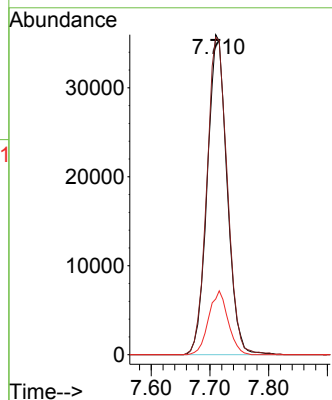
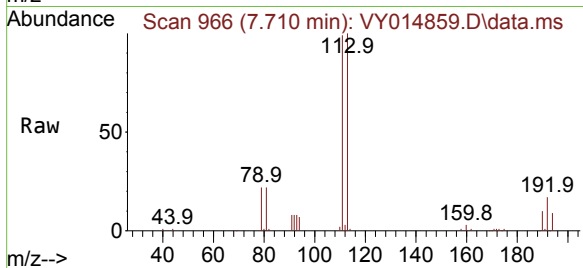




#35
Dibromofluoromethane
Concen: 49.776 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY014859.D
Acq: 26 Jul 2023 19:02

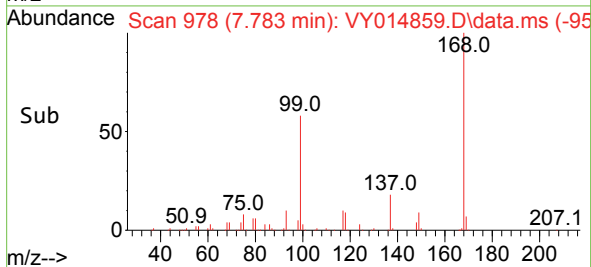
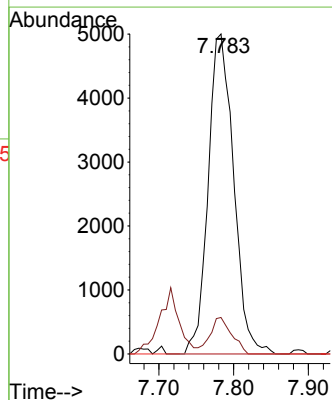
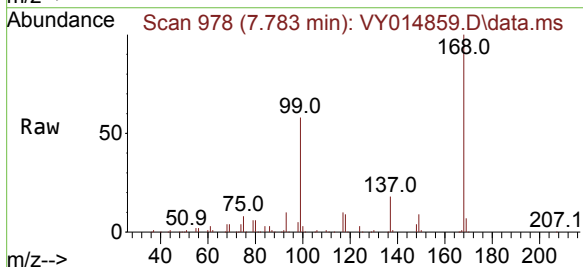
Instrument :
MSVOA_Y
ClientSampleId :

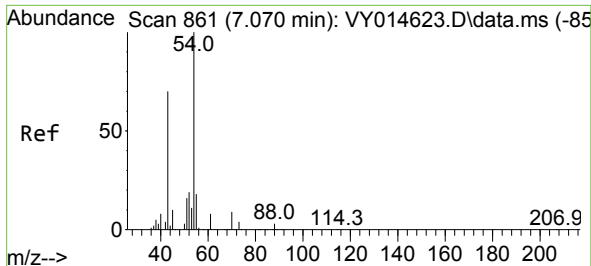
Tgt Ion:113 Resp: 84050
Ion Ratio Lower Upper
113 100
111 102.6 81.3 121.9
192 19.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.690 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014859.D
Acq: 26 Jul 2023 19:02

Tgt Ion: 75 Resp: 11843
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.241 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.098 min

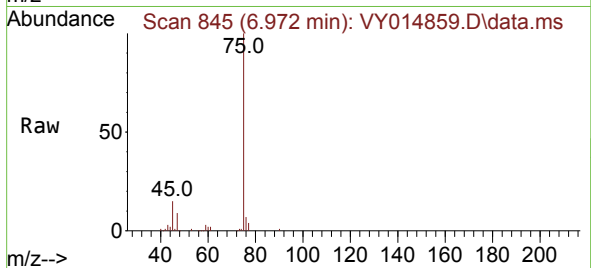
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Acq: 26 Jul 2023 19:02

Instrument :

MSVOA_Y

ClientSampleId :



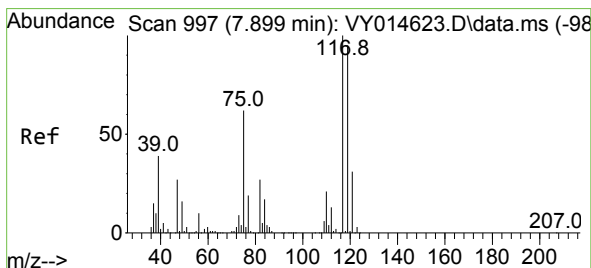
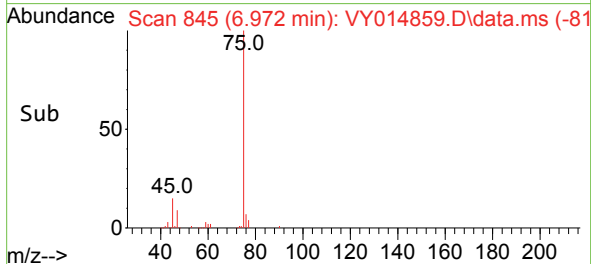
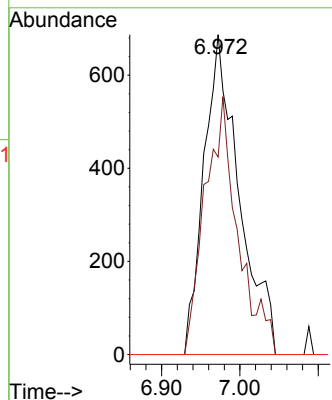
Tgt Ion: 43 Resp: 2158

Ion Ratio Lower Upper

43 100

61 70.3 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.717 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY014859.D

Acq: 26 Jul 2023 19:02

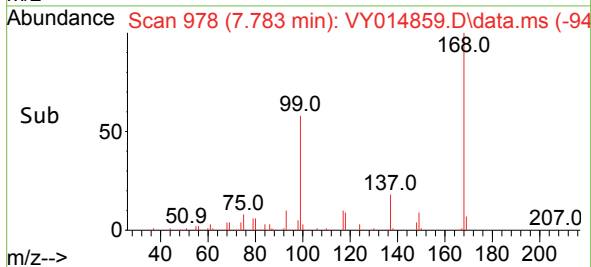
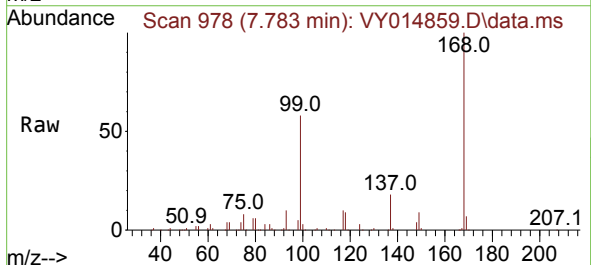
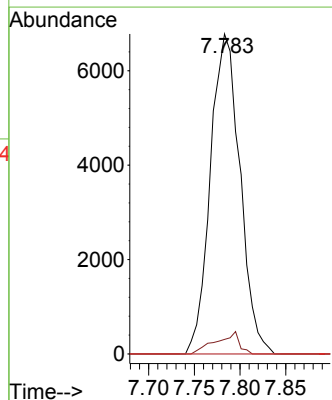
Tgt Ion: 117 Resp: 15260

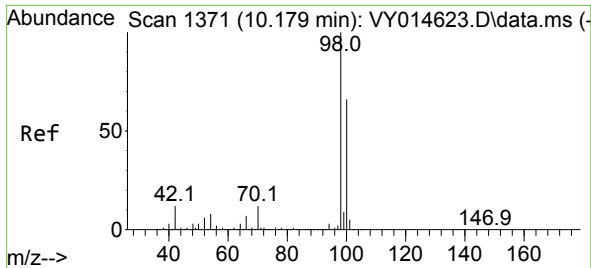
Ion Ratio Lower Upper

117 100

119 4.6 76.4 114.6#

121 0.0 25.8 38.6#

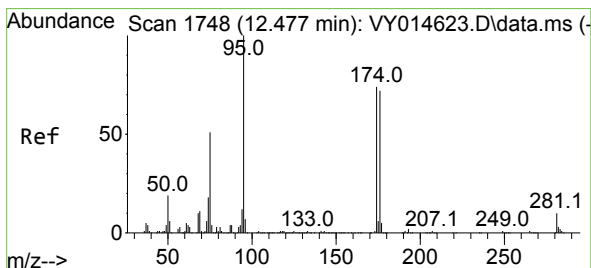
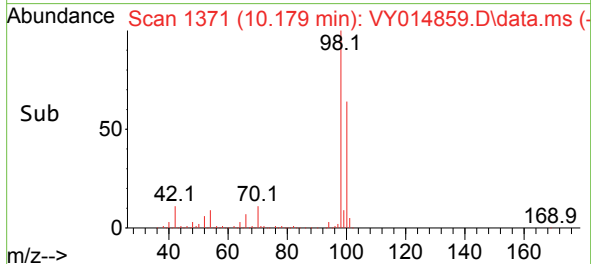
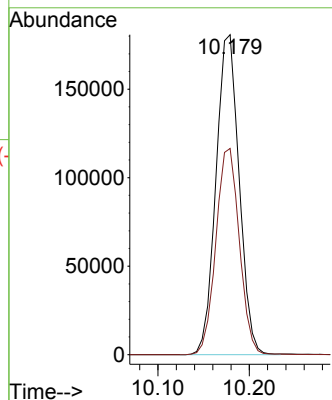
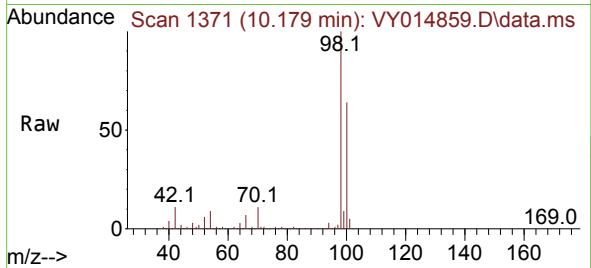




#50
Toluene-d8
Concen: 51.148 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014859.D
Acq: 26 Jul 2023 19:02

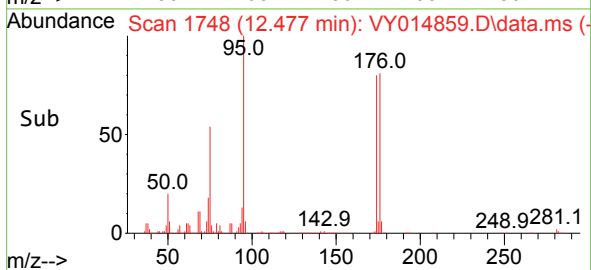
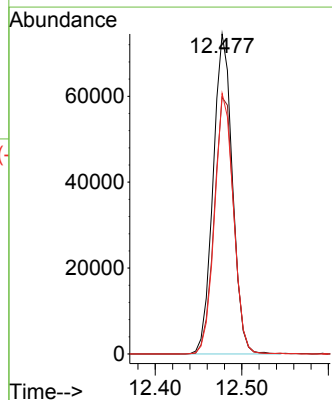
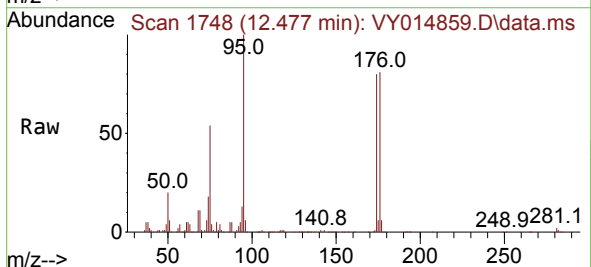
Instrument :
MSVOA_Y
ClientSampleId :

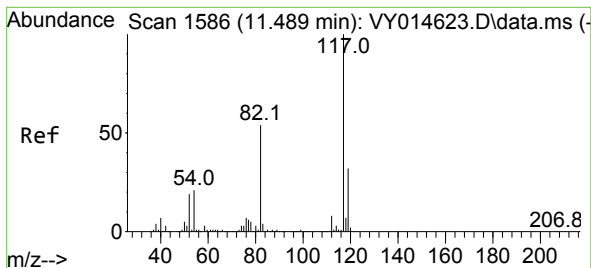
Tgt Ion: 98 Resp: 318416
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 48.380 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014859.D
Acq: 26 Jul 2023 19:02

Tgt Ion: 95 Resp: 115485
Ion Ratio Lower Upper
95 100
174 81.2 0.0 178.2
176 79.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

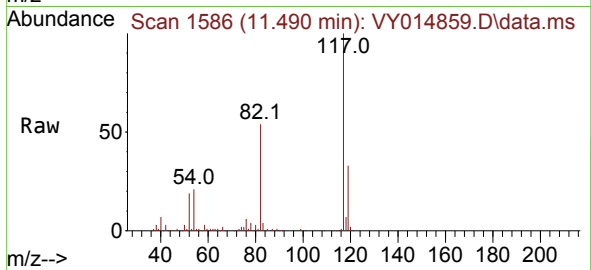
Lab File: VY014859.D

Acq: 26 Jul 2023 19:02

Instrument :

MSVOA_Y

ClientSampleId :



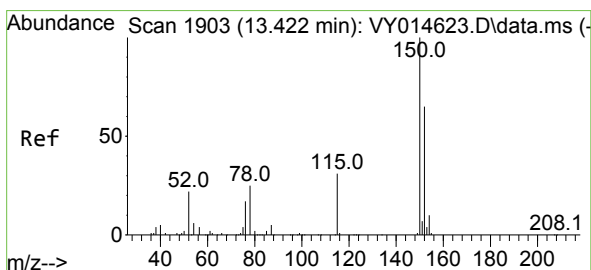
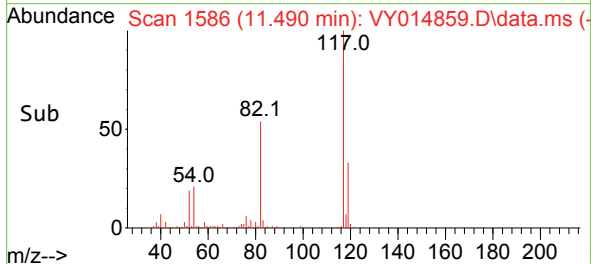
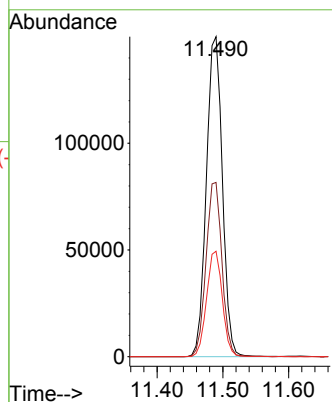
Tgt Ion:117 Resp: 254066

Ion Ratio Lower Upper

117 100

82 54.4 43.4 65.0

119 32.9 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: VY014859.D

Acq: 26 Jul 2023 19:02

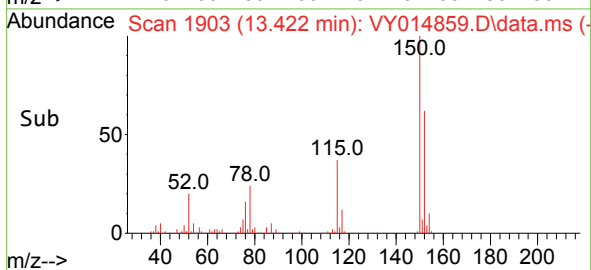
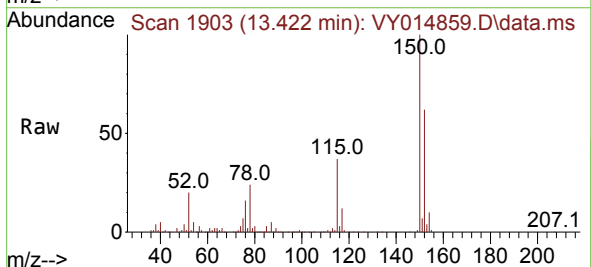
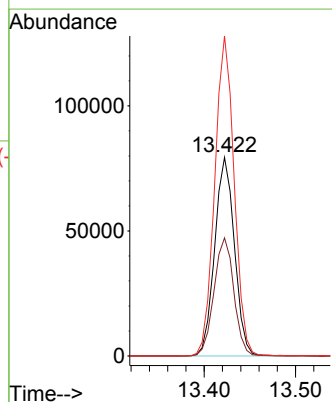
Tgt Ion:152 Resp: 119275

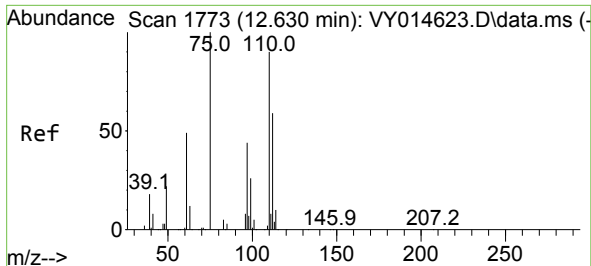
Ion Ratio Lower Upper

152 100

115 59.8 28.8 86.5

150 158.5 0.0 348.8

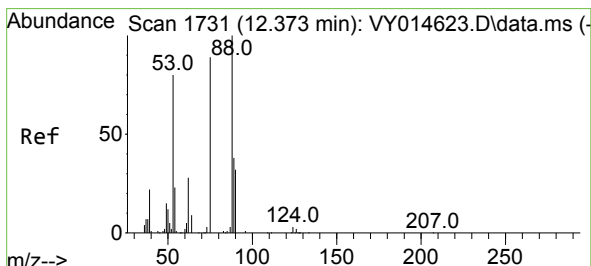
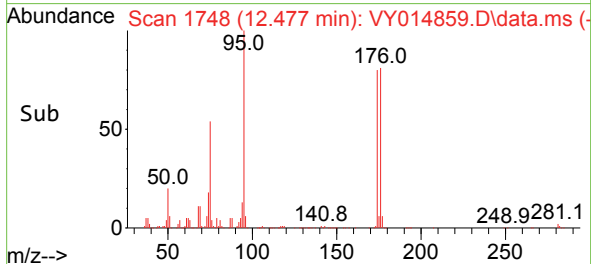
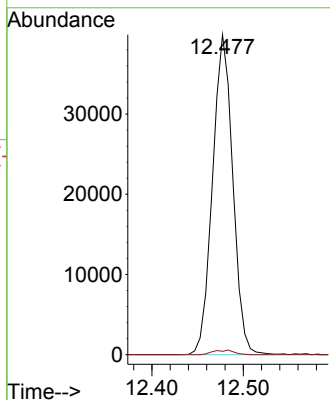
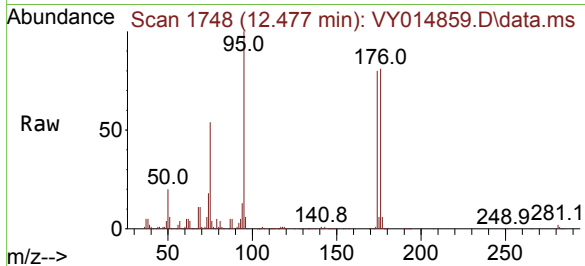




#76
1,2,3-Trichloropropane
Concen: 40.795 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014859.D
Acq: 26 Jul 2023 19:02

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 61454
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.986 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014859.D
Acq: 26 Jul 2023 19:02

Tgt Ion: 75 Resp: 61454
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

