

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080323\
 Data File : VY014951.D
 Acq On : 03 Aug 2023 16:15
 Operator : SY/MD
 Sample : 03877-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1RE

Quant Time: Aug 04 04:32:33 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)

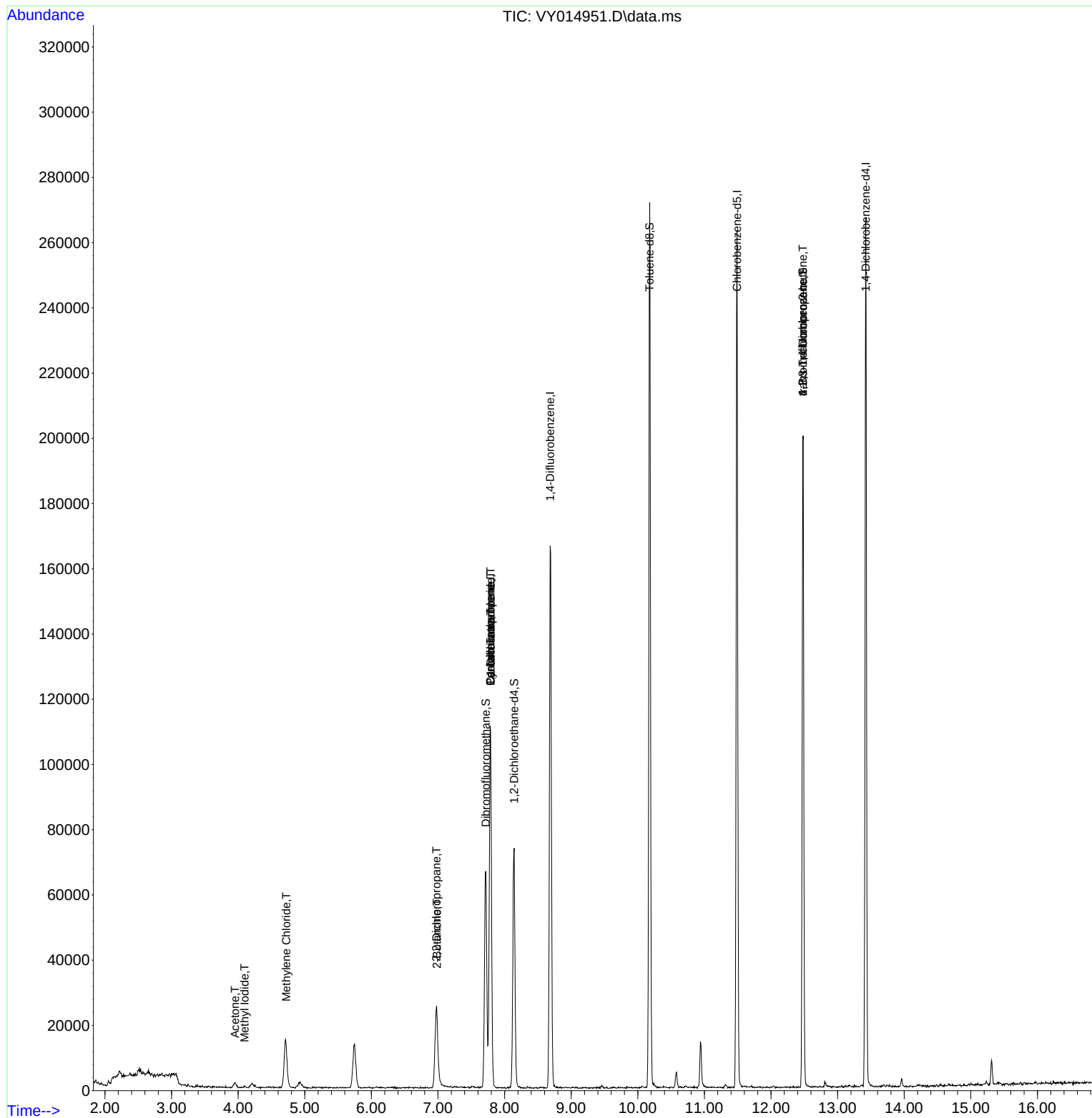
Internal Standards						
1) Pentafluorobenzene	7.789	168	87104	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	150468	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	141402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	66119	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	57707	58.138	ug/l	0.00
Spiked Amount 50.000	Range	50 - 163	Recovery	=	116.280%	
35) Dibromofluoromethane	7.716	113	47804	49.908	ug/l	0.00
Spiked Amount 50.000	Range	54 - 147	Recovery	=	99.820%	
50) Toluene-d8	10.179	98	178298	50.490	ug/l	0.00
Spiked Amount 50.000	Range	58 - 134	Recovery	=	100.980%	
62) 4-Bromofluorobenzene	12.477	95	63984	47.253	ug/l	0.00
Spiked Amount 50.000	Range	30 - 143	Recovery	=	94.500%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.094	142	201	2.566	ug/l #	86
11) Tert butyl alcohol	4.924	59	2181	Below Cal	#	89
16) Acetone	3.954	43	2790	8.870	ug/l	93
20) Methylene Chloride	4.722	84	11039	7.188	ug/l #	79
25) 2-Butanone	6.984	43	1728	3.755	ug/l #	76
26) 2,2-Dichloropropane	6.978	77	2052	1.215	ug/l #	54
31) Cyclohexane	7.789	56	2053	1.246	ug/l #	18
36) 1,1-Dichloropropene	7.789	75	6731	4.699	ug/l #	49
38) Carbon Tetrachloride	7.789	117	9175	6.059	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	33528	40.150	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	33528	77.738	ug/l #	11

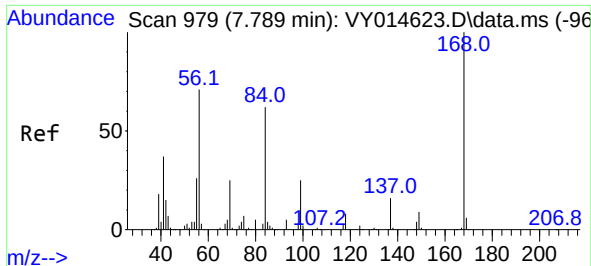
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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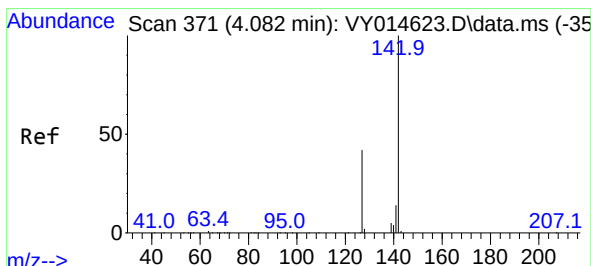
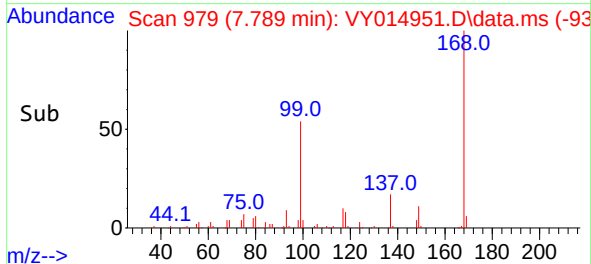
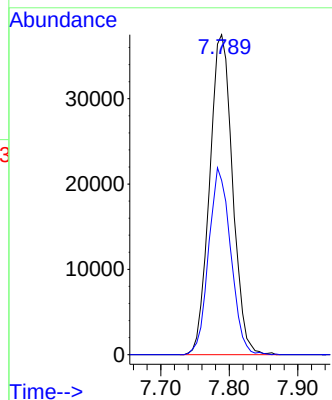
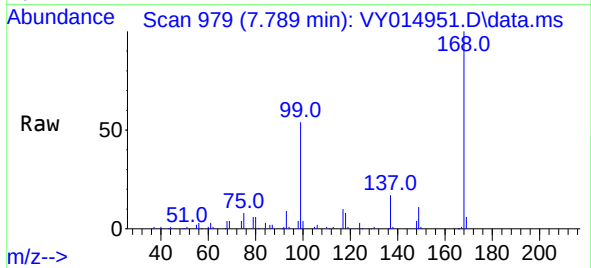




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014951.D
Acq: 03 Aug 2023 16:15

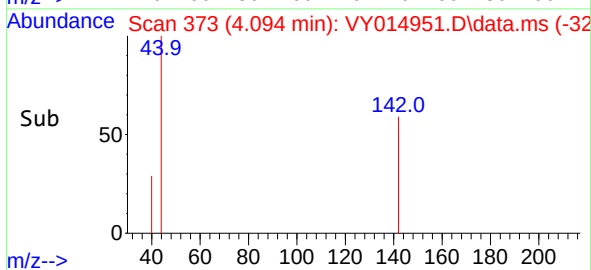
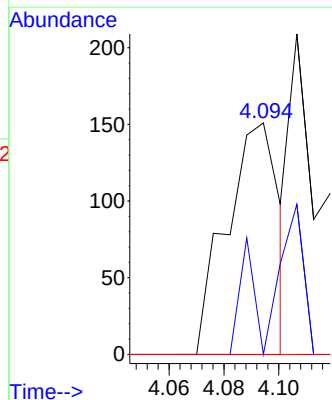
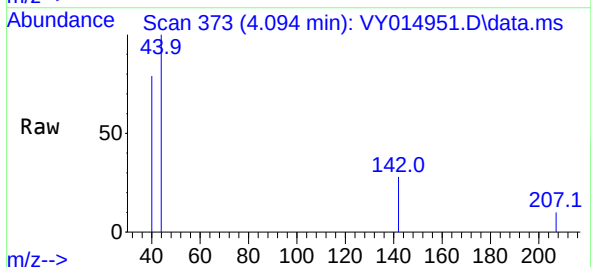
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1RE

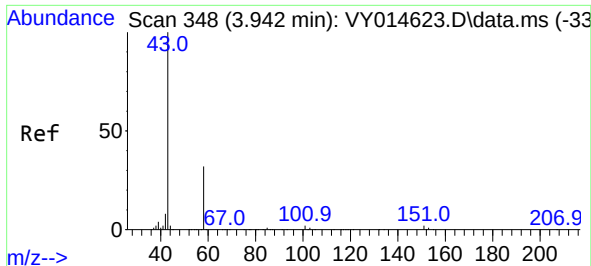
Tgt Ion:168 Resp: 87104
Ion Ratio Lower Upper
168 100
99 54.5 43.4 65.0



#10
Methyl Iodide
Concen: 2.566 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.012 min
Lab File: VY014951.D
Acq: 03 Aug 2023 16:15

Tgt Ion:142 Resp: 201
Ion Ratio Lower Upper
142 100
127 42.3 37.6 56.4
141 0.0 11.8 17.8#

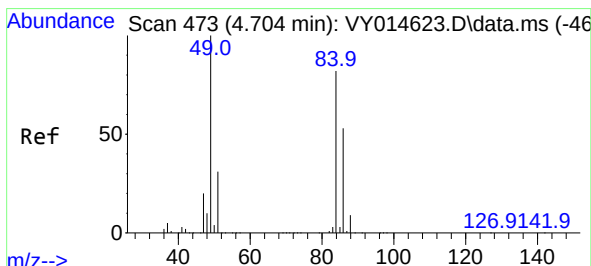
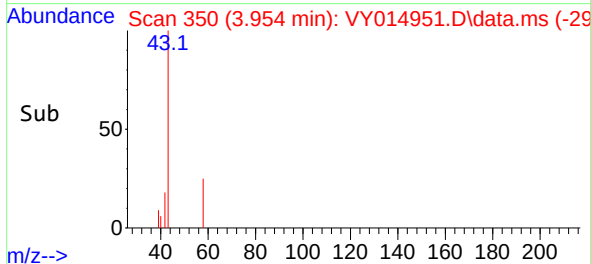
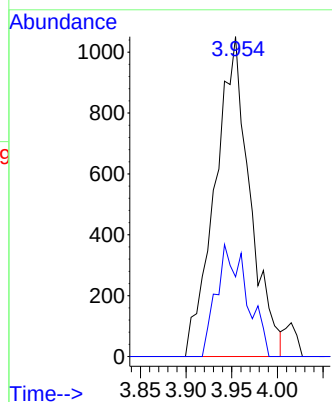
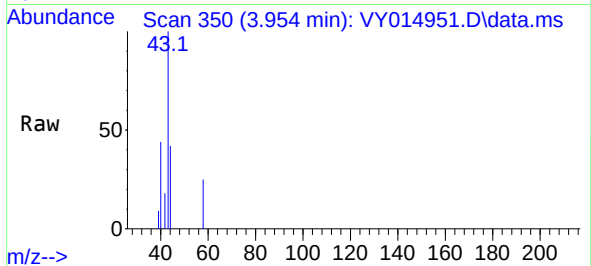




#16
Acetone
Concen: 8.870 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY014951.D
Acq: 03 Aug 2023 16:15

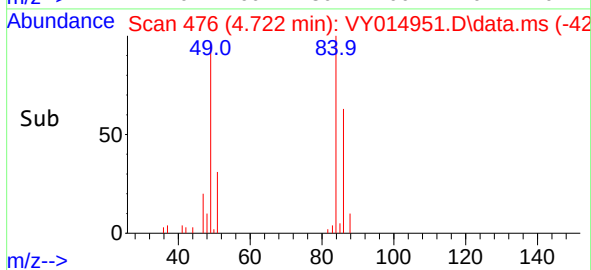
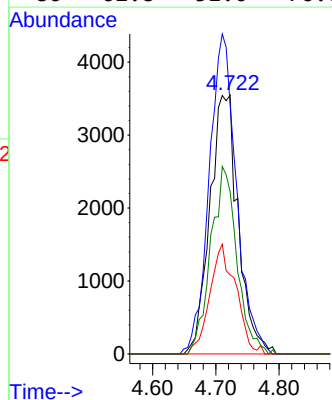
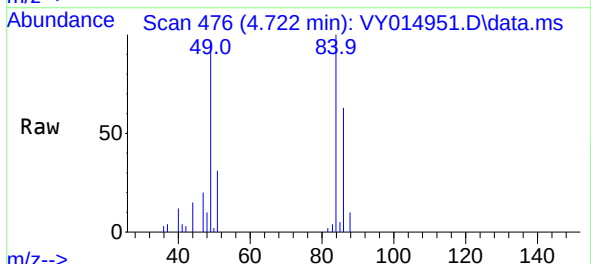
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1RE

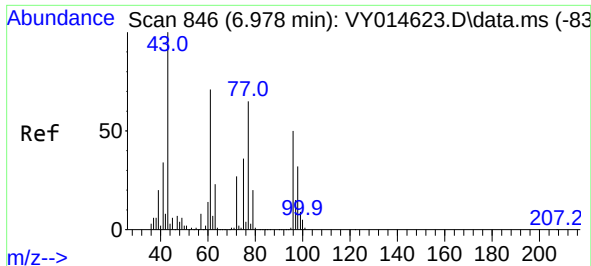
Tgt Ion: 43 Resp: 2790
Ion Ratio Lower Upper
43 100
58 24.9 22.7 34.1



#20
Methylene Chloride
Concen: 7.188 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.018 min
Lab File: VY014951.D
Acq: 03 Aug 2023 16:15

Tgt Ion: 84 Resp: 11039
Ion Ratio Lower Upper
84 100
49 96.3 106.9 160.3#
51 30.6 33.2 49.8#
86 62.8 51.0 76.6





#25

2-Butanone

Concen: 3.755 ug/l

RT: 6.984 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY014951.D

Acq: 03 Aug 2023 16:15

Instrument :

MSVOA_Y

ClientSampleId :

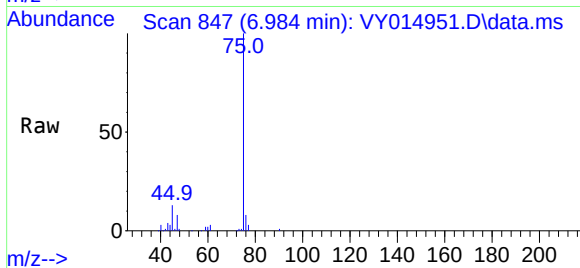
COMP-1RE

Tgt Ion: 43 Resp: 1728

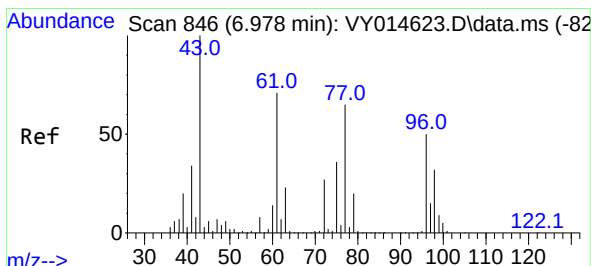
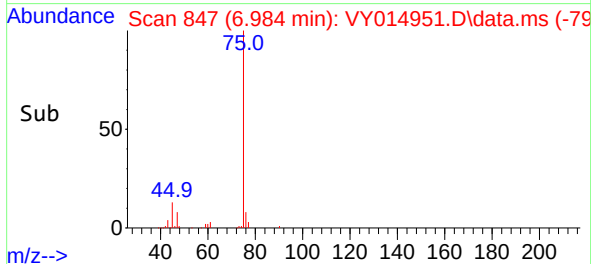
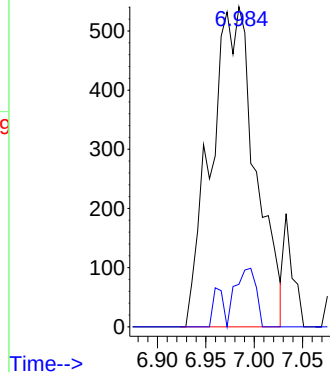
Ion Ratio Lower Upper

43 100

72 13.3 20.5 30.7#



Abundance



#26

2,2-Dichloropropane

Concen: 1.215 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY014951.D

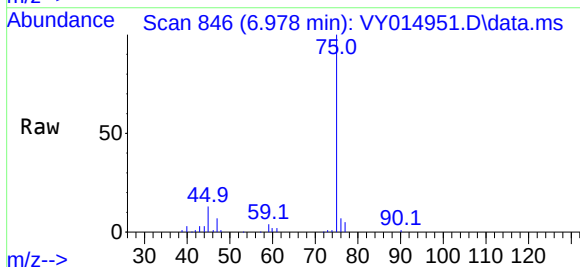
Acq: 03 Aug 2023 16:15

Tgt Ion: 77 Resp: 2052

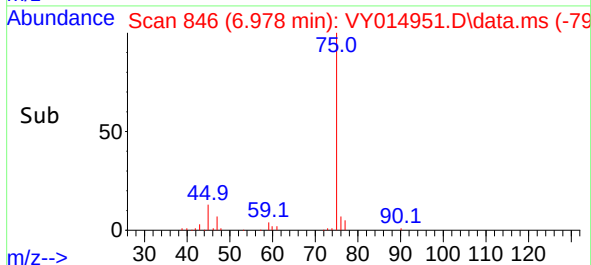
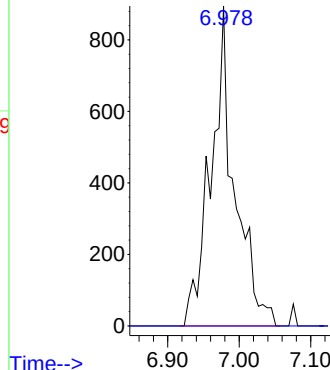
Ion Ratio Lower Upper

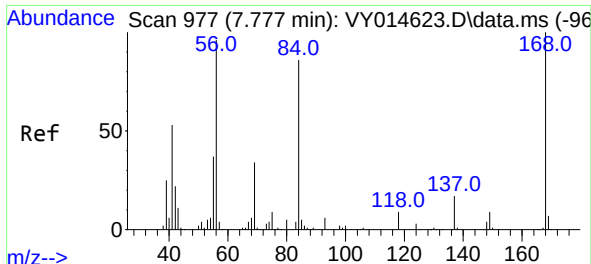
77 100

97 0.0 10.9 32.9#



Abundance

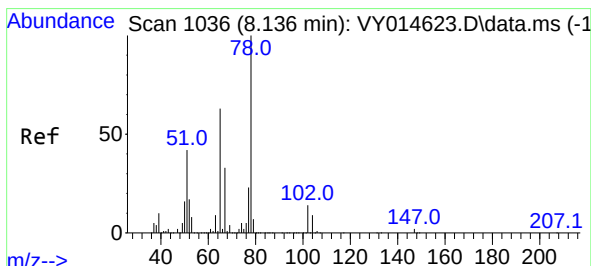
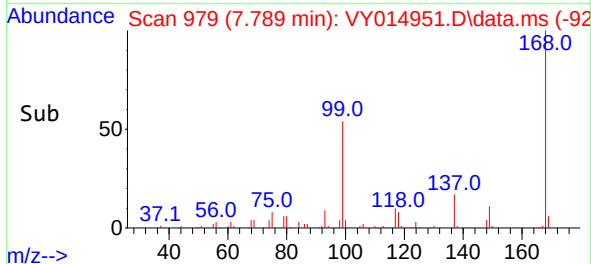
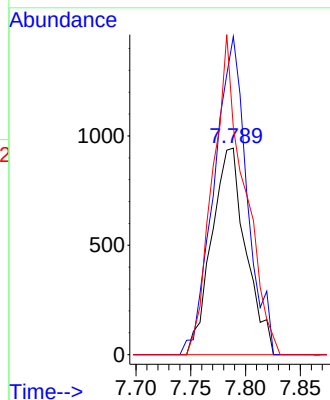
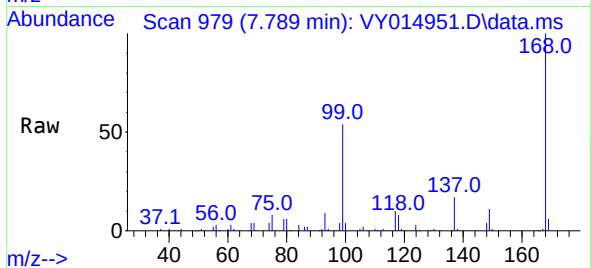




#31
Cyclohexane
Concen: 1.246 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014951.D
Acq: 03 Aug 2023 16:15

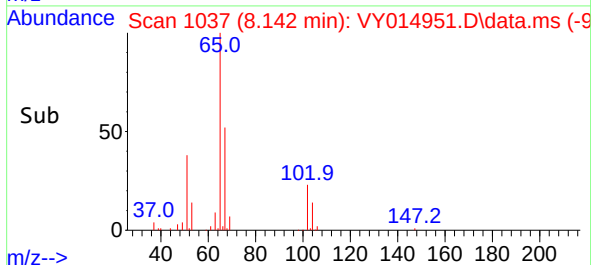
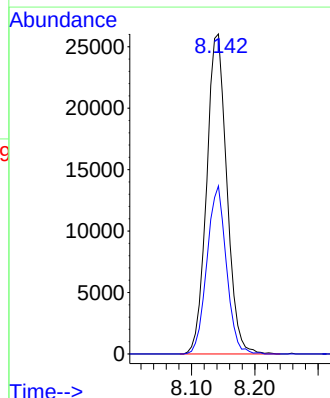
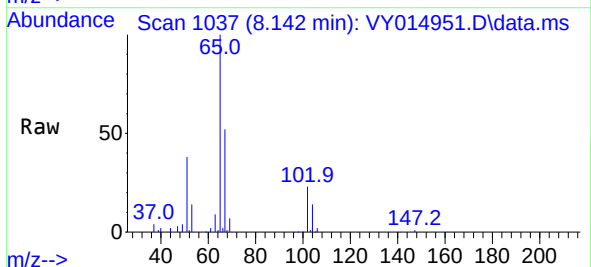
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1RE

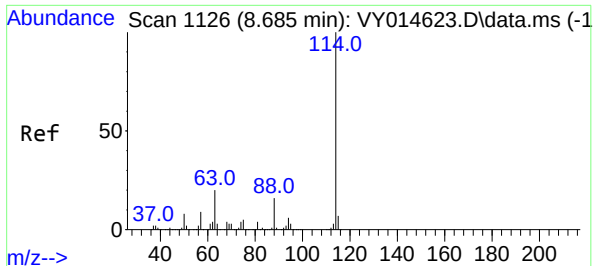
Tgt Ion: 56 Resp: 2053
Ion Ratio Lower Upper
56 100
69 154.0 27.8 41.6#
84 110.1 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 58.138 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY014951.D
Acq: 03 Aug 2023 16:15

Tgt Ion: 65 Resp: 57707
Ion Ratio Lower Upper
65 100
67 50.6 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: VY014951.D

Acq: 03 Aug 2023 16:15

Instrument :

MSVOA_Y

ClientSampleId :

COMP-1RE

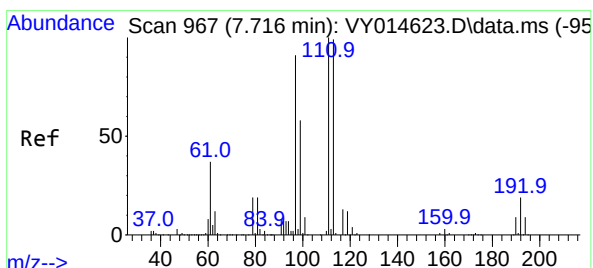
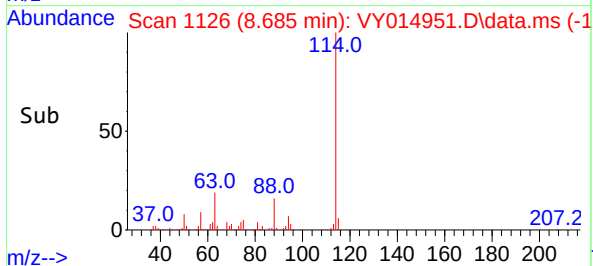
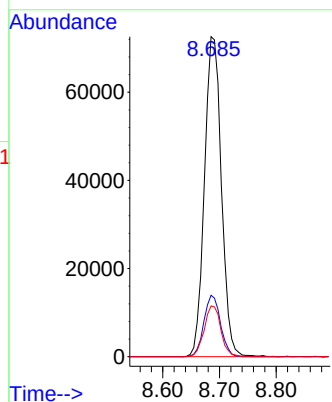
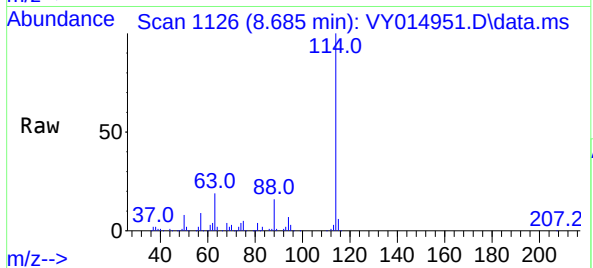
Tgt Ion:114 Resp: 150468

Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.4

88 15.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.908 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014951.D

Acq: 03 Aug 2023 16:15

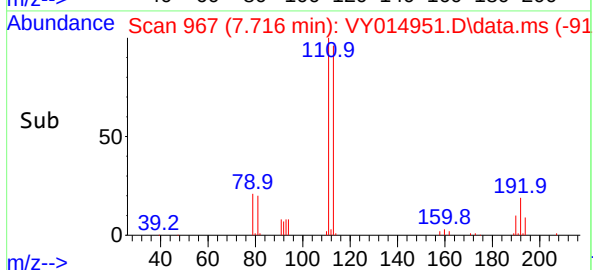
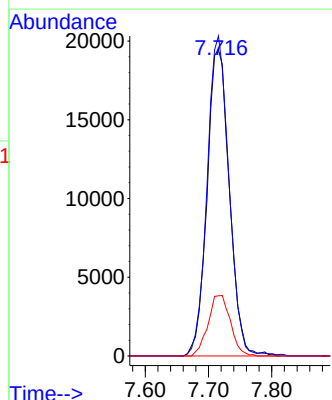
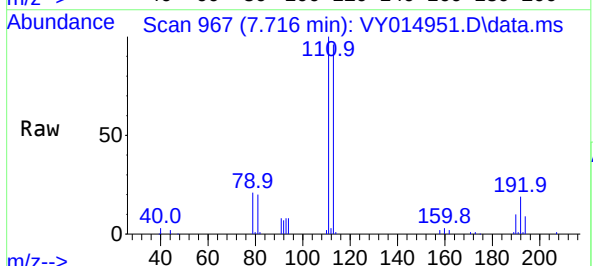
Tgt Ion:113 Resp: 47804

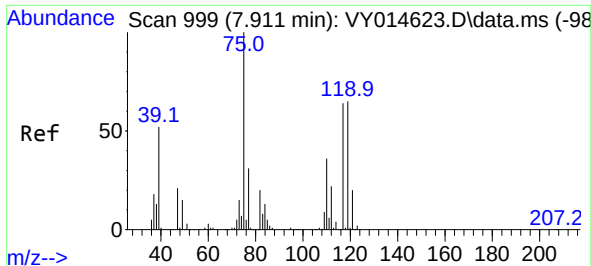
Ion Ratio Lower Upper

113 100

111 102.0 81.3 121.9

192 19.7 16.9 25.3

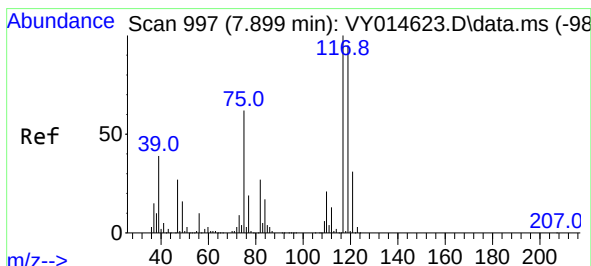
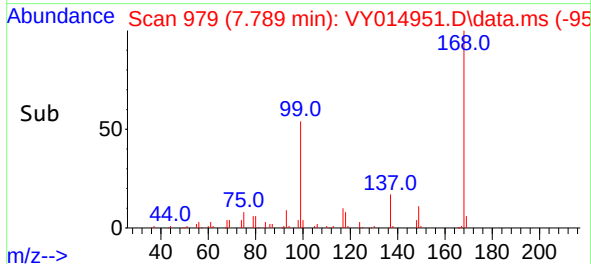
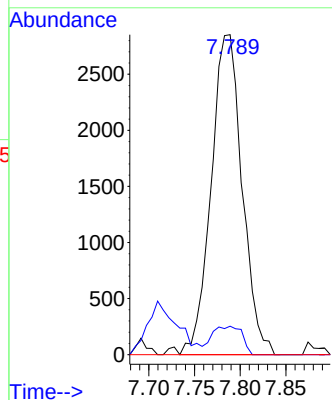
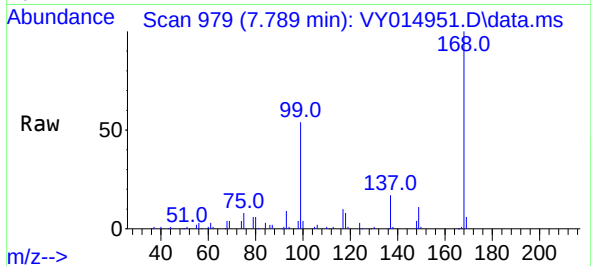




#36
1,1-Dichloropropene
Concen: 4.699 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY014951.D
Acq: 03 Aug 2023 16:15

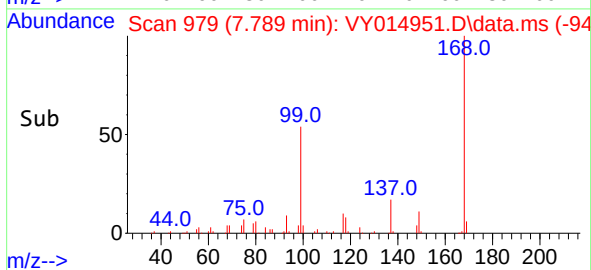
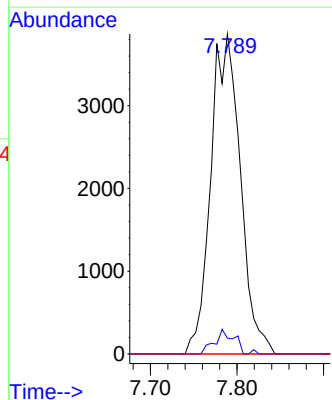
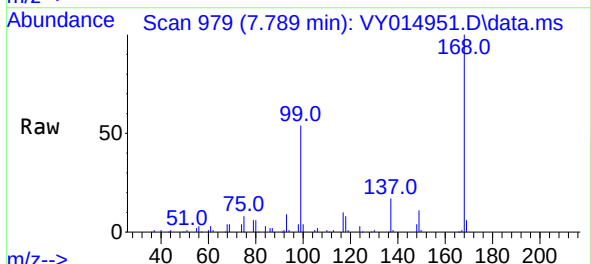
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COMP-1RE

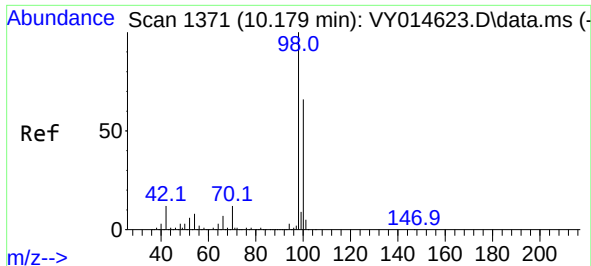
Tgt Ion: 75 Resp: 6731
Ion Ratio Lower Upper
75 100
110 8.6 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.059 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY014951.D
Acq: 03 Aug 2023 16:15

Tgt Ion: 117 Resp: 9175
Ion Ratio Lower Upper
117 100
119 5.0 76.4 114.6#
121 0.0 25.8 38.6#

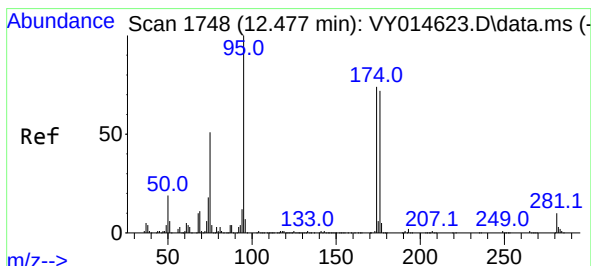
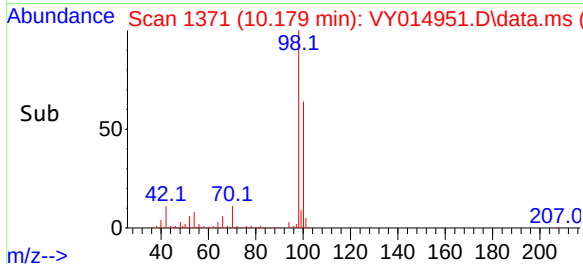
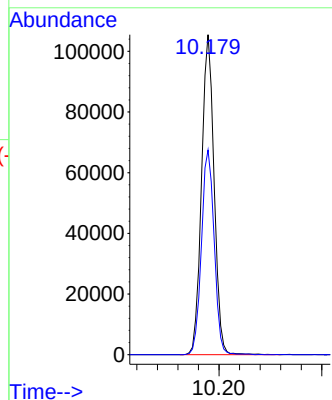
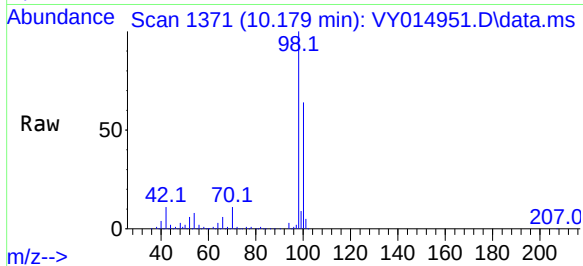




#50
Toluene-d8
Concen: 50.490 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014951.D
Acq: 03 Aug 2023 16:15

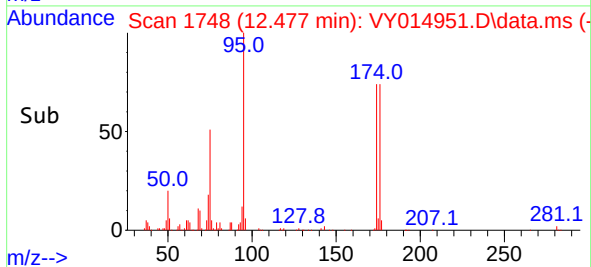
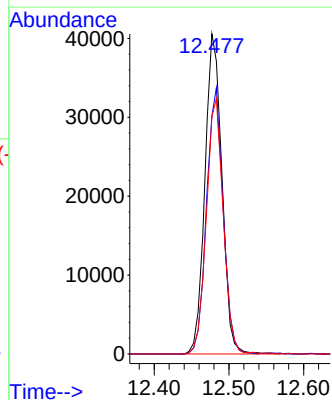
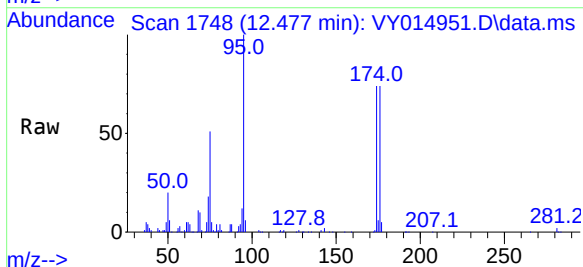
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1RE

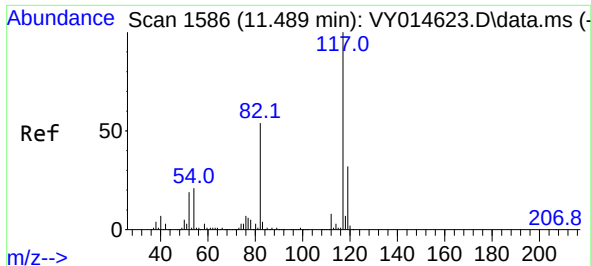
Tgt Ion: 98 Resp: 178298
Ion Ratio Lower Upper
98 100
100 64.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 47.253 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014951.D
Acq: 03 Aug 2023 16:15

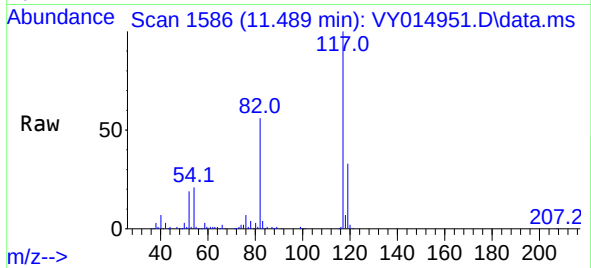
Tgt Ion: 95 Resp: 63984
Ion Ratio Lower Upper
95 100
174 81.4 0.0 178.2
176 79.5 0.0 173.8



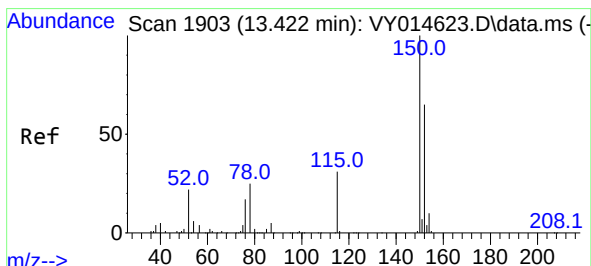
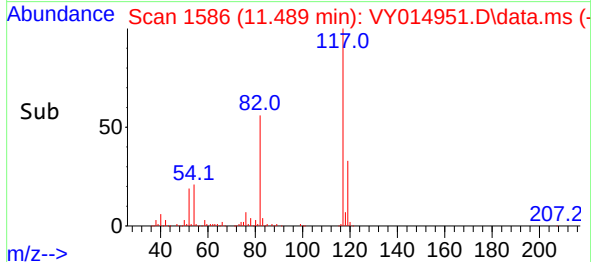
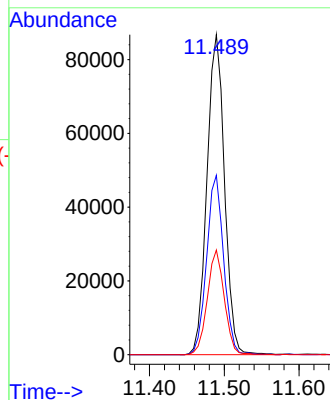


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY014951.D
Acq: 03 Aug 2023 16:15

Instrument :
MSVOA_Y
ClientSampleId :
COMP-1RE

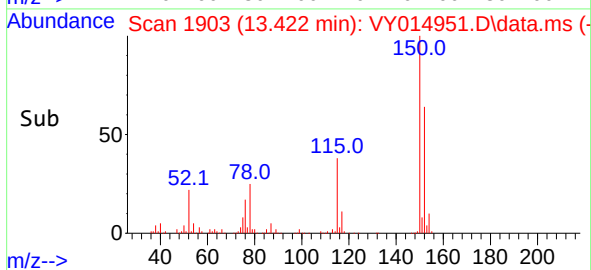
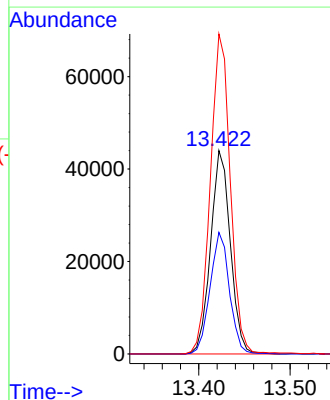
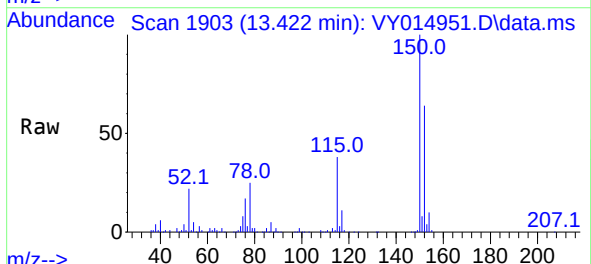


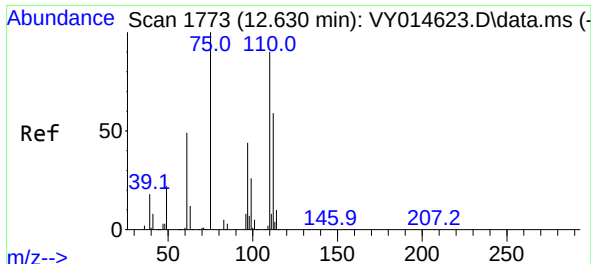
Tgt Ion:117 Resp: 141402
Ion Ratio Lower Upper
117 100
82 56.0 43.4 65.0
119 32.7 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014951.D
Acq: 03 Aug 2023 16:15

Tgt Ion:152 Resp: 66119
Ion Ratio Lower Upper
152 100
115 58.7 28.8 86.5
150 159.0 0.0 348.8

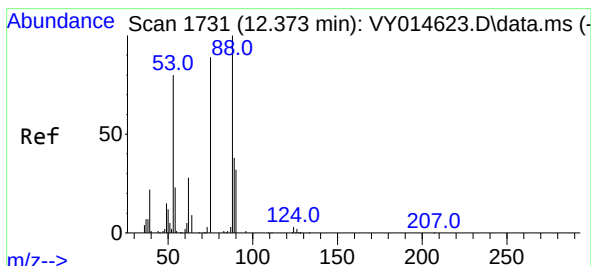
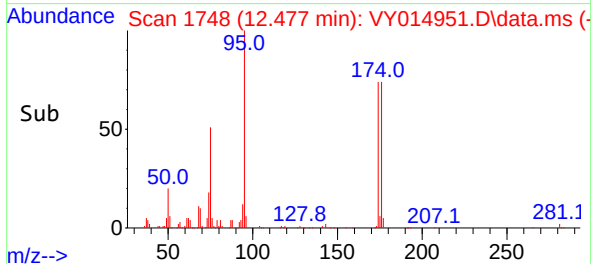
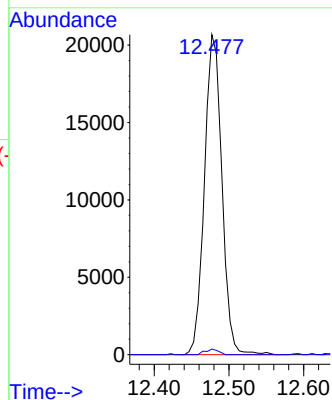
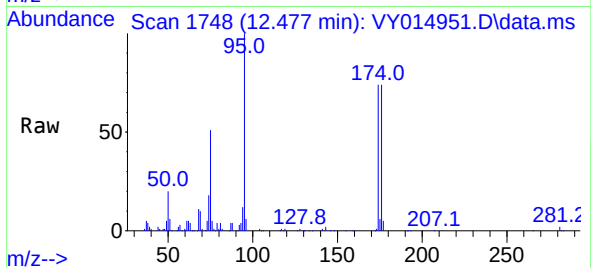




#76
1,2,3-Trichloropropane
Concen: 40.150 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.153 min
Lab File: VY014951.D
Acq: 03 Aug 2023 16:15

Instrument :
MSVOA_Y
ClientSampleId :
COMP-1RE

Tgt Ion: 75 Resp: 33528
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.738 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014951.D
Acq: 03 Aug 2023 16:15

Tgt Ion: 75 Resp: 33528
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

