

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072723\
 Data File : VY014874.D
 Acq On : 27 Jul 2023 11:57
 Operator : SY/MD
 Sample : 03686-09
 Misc : 3.54g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 28 02:36:57 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)

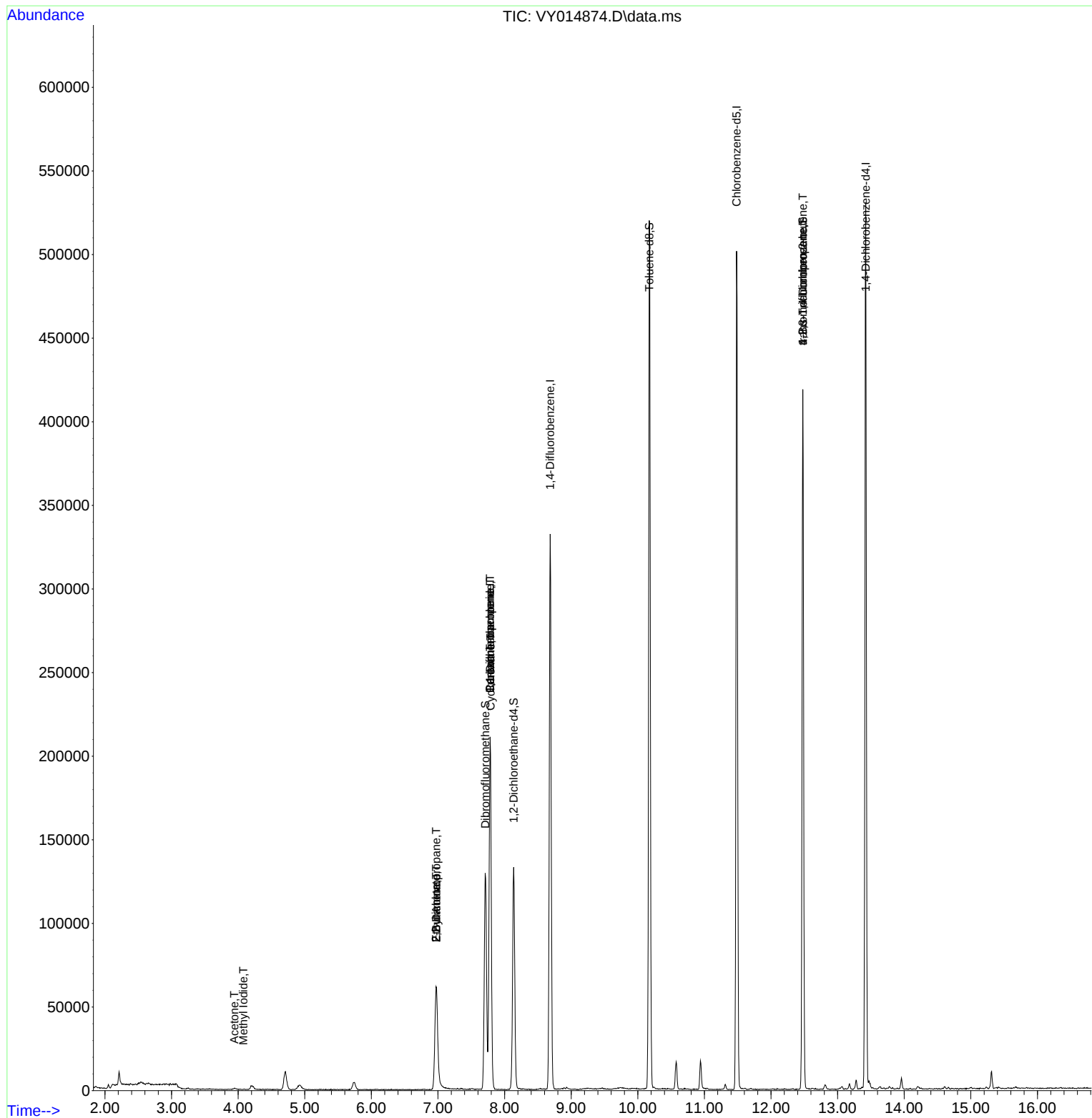
Internal Standards						
1) Pentafluorobenzene	7.783	168	165347	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	288808	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	276592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	131624	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	103313	54.831	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 109.660%		
35) Dibromofluoromethane	7.710	113	92646	50.393	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	= 100.780%		
50) Toluene-d8	10.173	98	344166	50.776	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery	= 101.560%		
62) 4-Bromofluorobenzene	12.477	95	125955	48.463	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery	= 96.920%		
Target Compounds						
						Qvalue
10) Methyl Iodide	4.076	142	129	2.436	ug/l #	38
11) Tert butyl alcohol	4.924	59	3692	Below Cal	#	89
16) Acetone	3.942	43	1249	2.092	ug/l #	82
20) Methylene Chloride	4.704	84	7864	Below Cal		90
25) 2-Butanone	6.972	43	3420	3.915	ug/l #	74
26) 2,2-Dichloropropane	6.972	77	4906	1.531	ug/l #	54
31) Cyclohexane	7.789	56	3681	1.177	ug/l #	29
36) 1,1-Dichloropropene	7.783	75	13800	5.019	ug/l #	49
37) Ethyl Acetate	6.972	43	3420	1.807	ug/l #	1
38) Carbon Tetrachloride	7.783	117	16619	5.718	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	68012	40.913	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	68012	79.214	ug/l #	10

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

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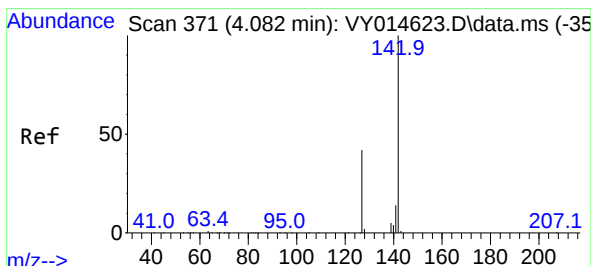
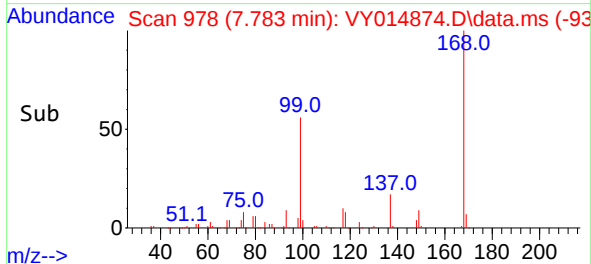
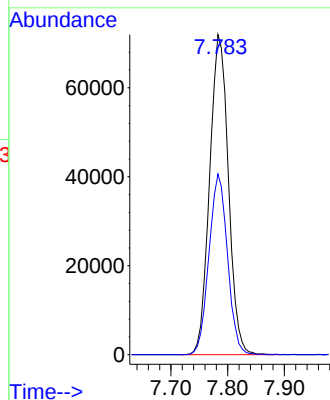
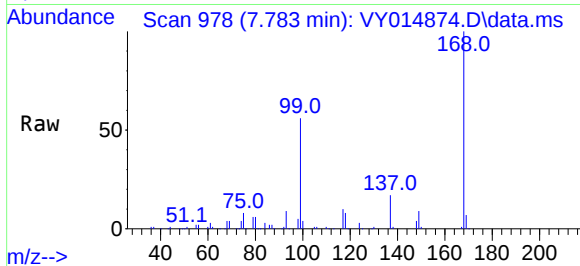




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014874.D
Acq: 27 Jul 2023 11:57

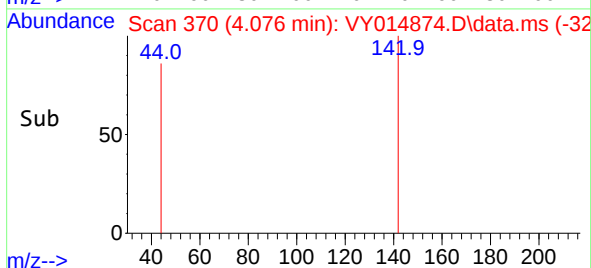
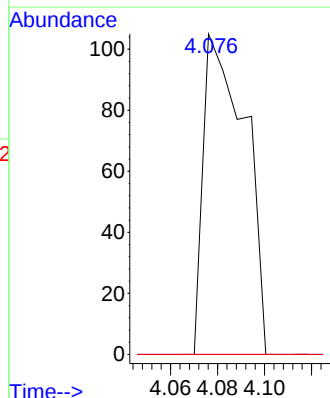
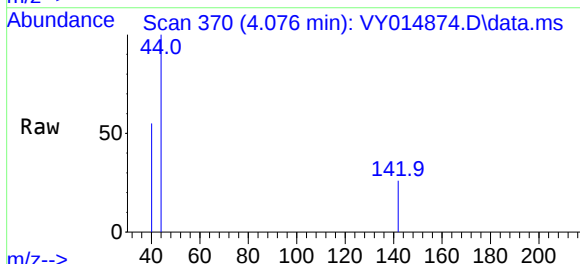
Instrument :
MSVOA_Y
ClientSampleId :

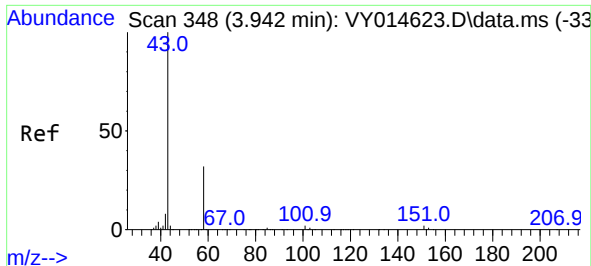
Tgt Ion:168 Resp: 165347
Ion Ratio Lower Upper
168 100
99 56.5 43.4 65.0



#10
Methyl Iodide
Concen: 2.436 ug/l
RT: 4.076 min Scan# 370
Delta R.T. -0.006 min
Lab File: VY014874.D
Acq: 27 Jul 2023 11:57

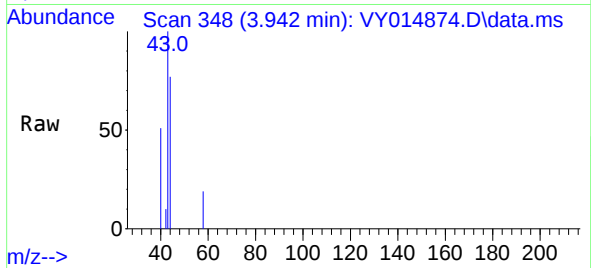
Tgt Ion:142 Resp: 129
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



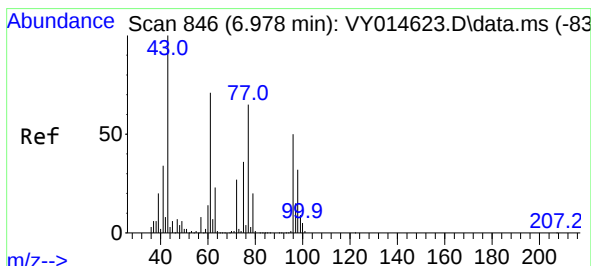
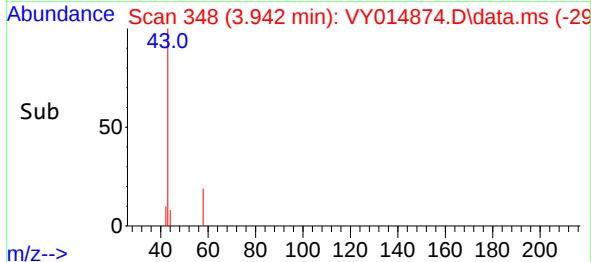
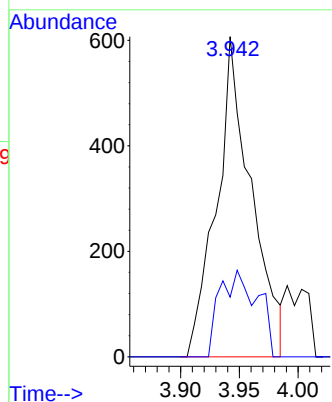


#16
Acetone
Concen: 2.092 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY014874.D
Acq: 27 Jul 2023 11:57

Instrument :
MSVOA_Y
ClientSampleId :

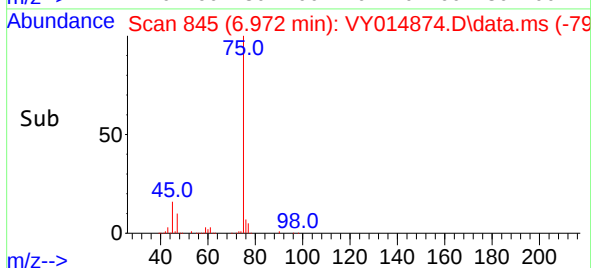
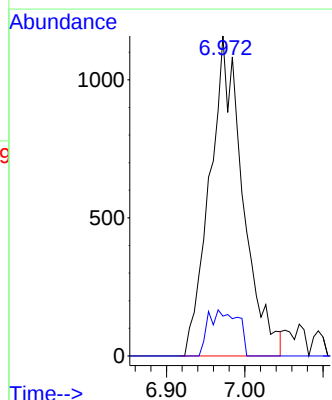
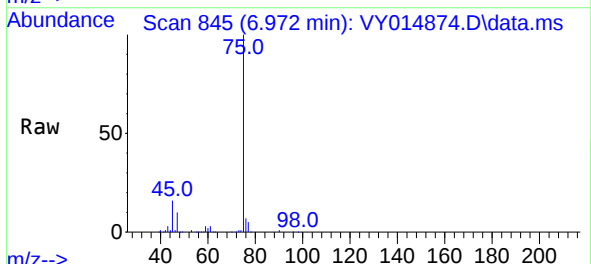


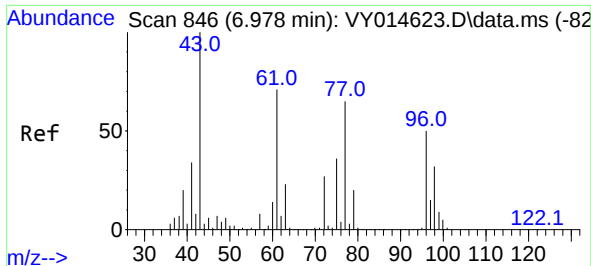
Tgt Ion: 43 Resp: 1249
Ion Ratio Lower Upper
43 100
58 18.6 22.7 34.1#



#25
2-Butanone
Concen: 3.915 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY014874.D
Acq: 27 Jul 2023 11:57

Tgt Ion: 43 Resp: 3420
Ion Ratio Lower Upper
43 100
72 12.4 20.5 30.7#





#26

2,2-Dichloropropane

Concen: 1.531 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY014874.D

Acq: 27 Jul 2023 11:57

Instrument :

MSVOA_Y

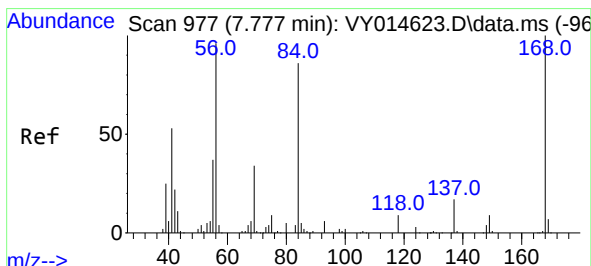
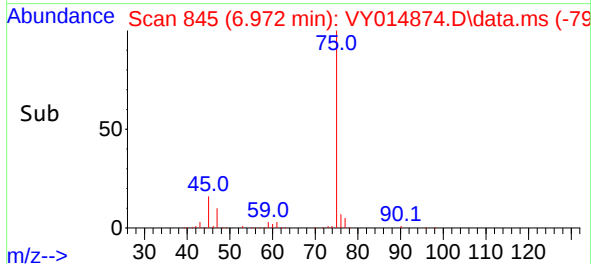
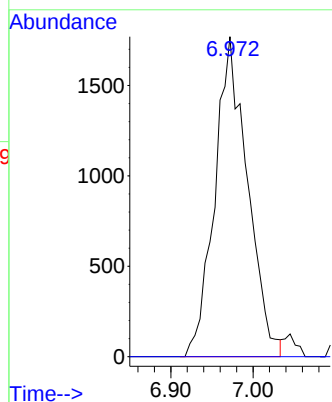
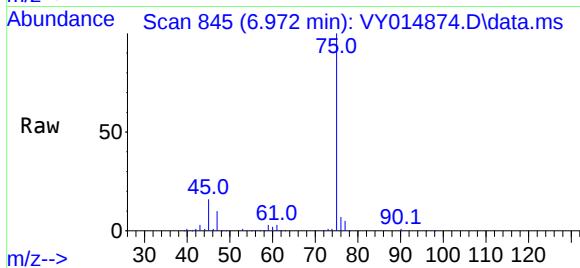
ClientSampleId :

Tgt Ion: 77 Resp: 4906

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#31

Cyclohexane

Concen: 1.177 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.012 min

Lab File: VY014874.D

Acq: 27 Jul 2023 11:57

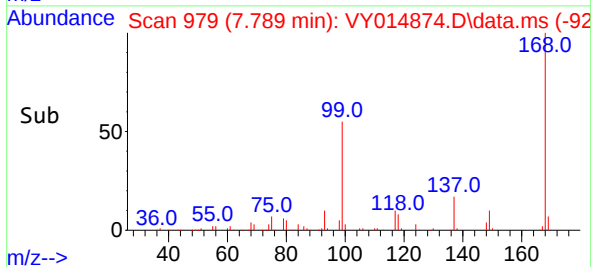
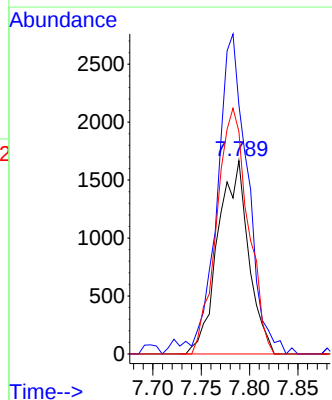
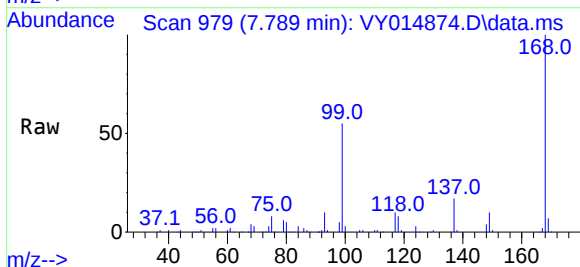
Tgt Ion: 56 Resp: 3681

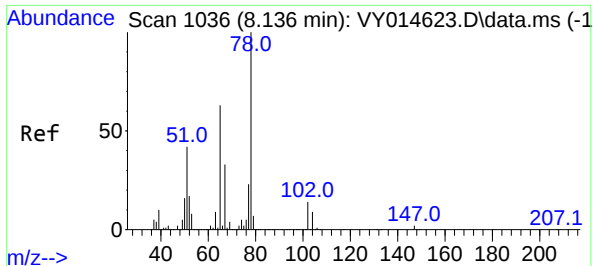
Ion Ratio Lower Upper

56 100

69 124.8 27.8 41.6#

84 114.9 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 54.831 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY014874.D

Acq: 27 Jul 2023 11:57

Instrument :

MSVOA_Y

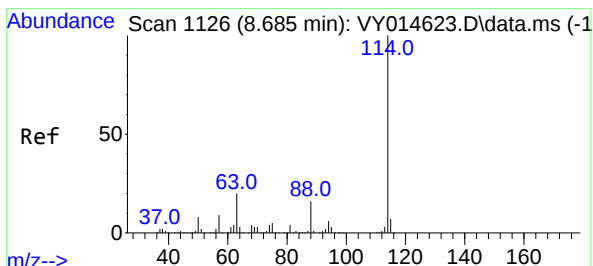
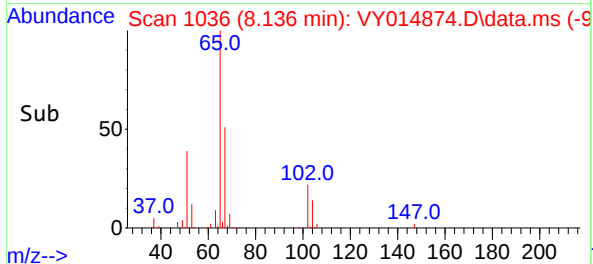
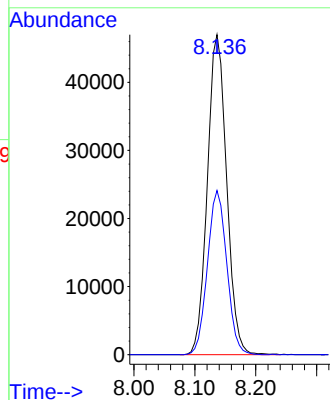
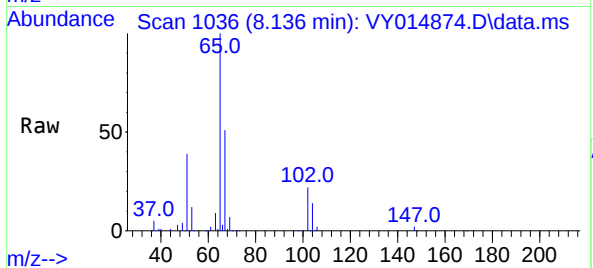
ClientSampleId :

Tgt Ion: 65 Resp: 103313

Ion Ratio Lower Upper

65 100

67 51.4 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: VY014874.D

Acq: 27 Jul 2023 11:57

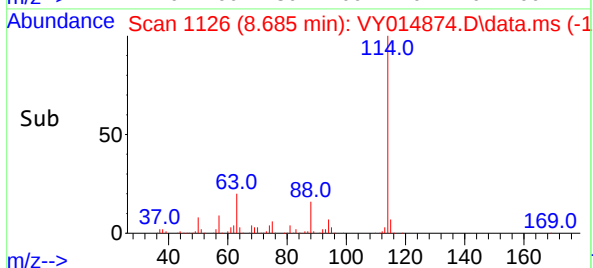
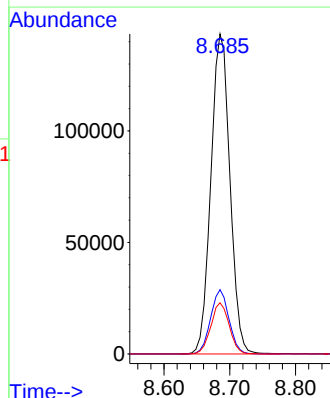
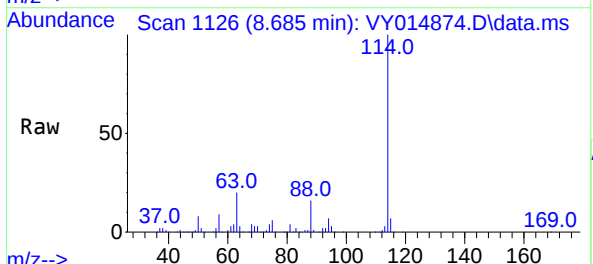
Tgt Ion: 114 Resp: 288808

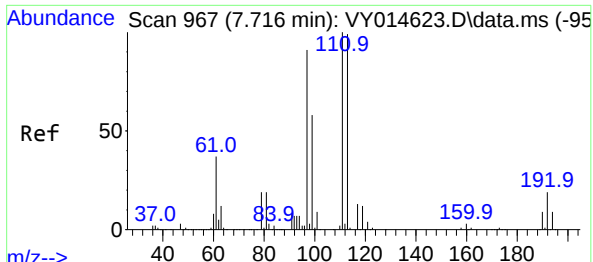
Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.4

88 16.0 0.0 30.6

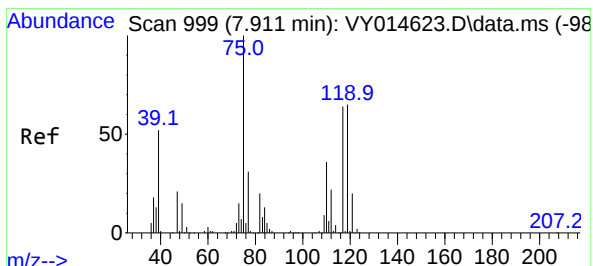
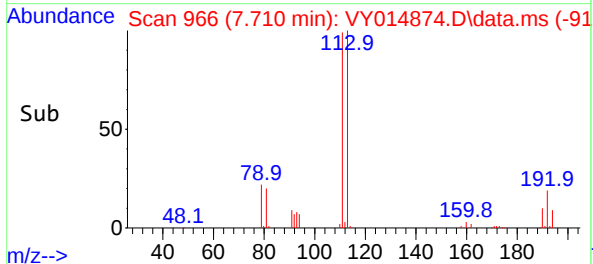
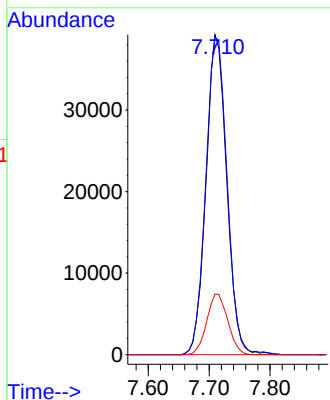
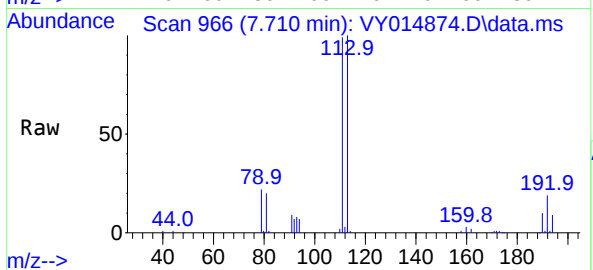




#35
Dibromofluoromethane
Concen: 50.393 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014874.D
Acq: 27 Jul 2023 11:57

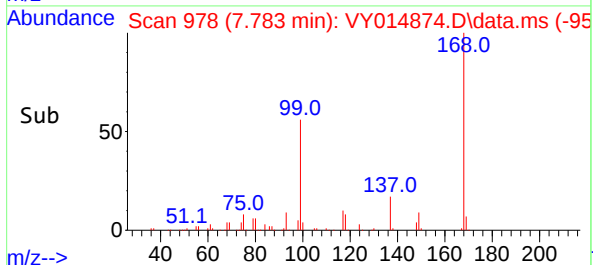
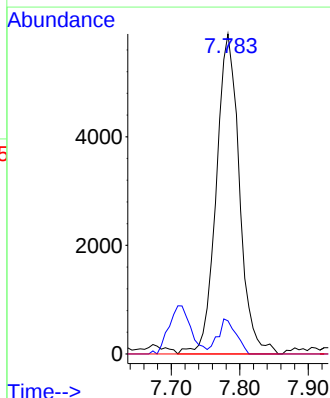
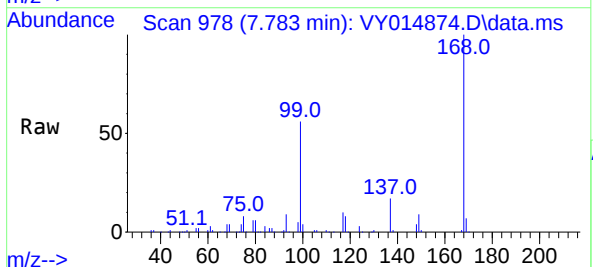
Instrument :
MSVOA_Y
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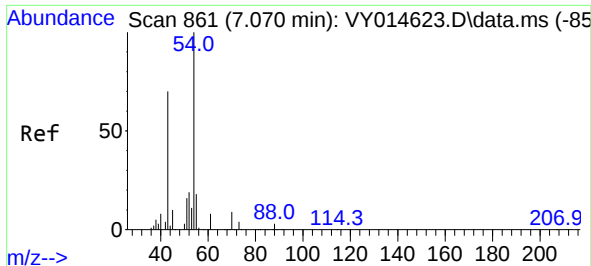
Tgt Ion:113 Resp: 92646
Ion Ratio Lower Upper
113 100
111 102.5 81.3 121.9
192 19.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.019 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014874.D
Acq: 27 Jul 2023 11:57

Tgt Ion: 75 Resp: 13800
Ion Ratio Lower Upper
75 100
110 8.5 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.807 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.098 min

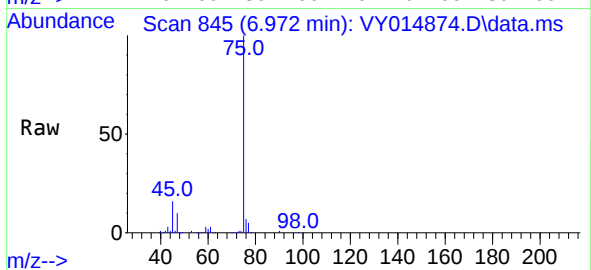
Lab File: VY014874.D

Acq: 27 Jul 2023 11:57

Instrument :

MSVOA_Y

ClientSampleId :



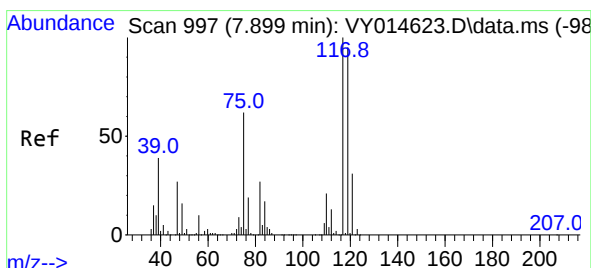
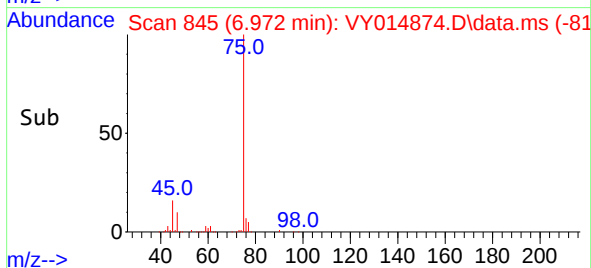
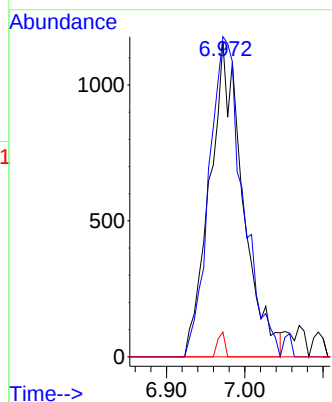
Tgt Ion: 43 Resp: 3420

Ion Ratio Lower Upper

43 100

61 103.2 10.1 15.1#

70 1.7 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.718 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY014874.D

Acq: 27 Jul 2023 11:57

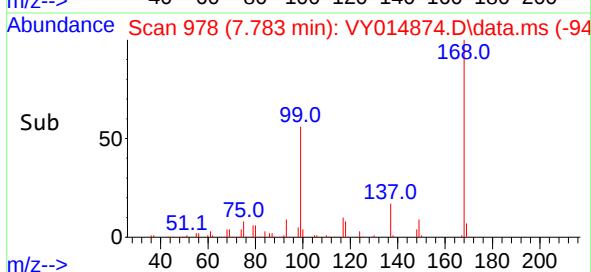
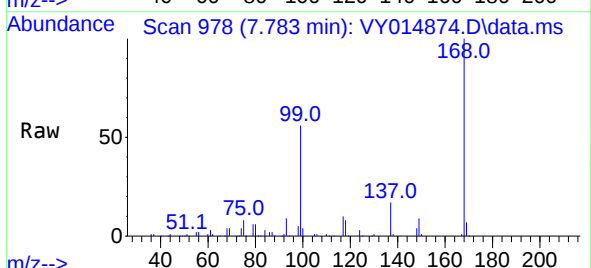
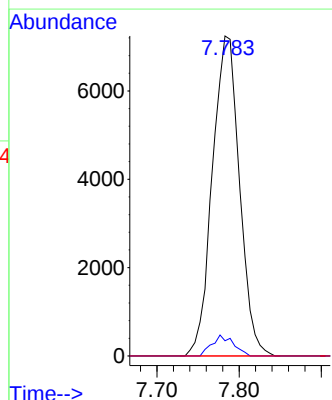
Tgt Ion: 117 Resp: 16619

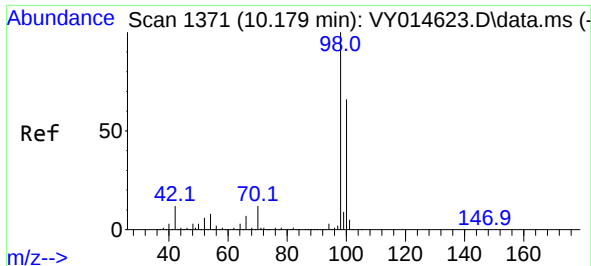
Ion Ratio Lower Upper

117 100

119 4.8 76.4 114.6#

121 0.0 25.8 38.6#

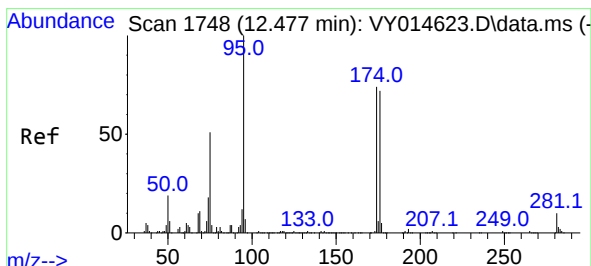
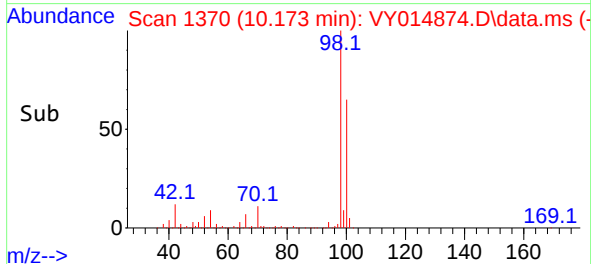
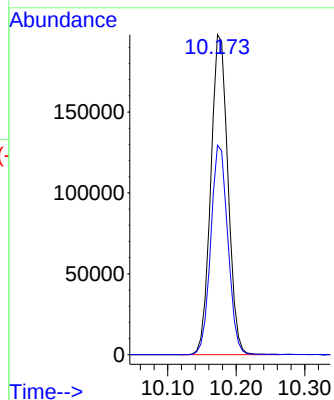
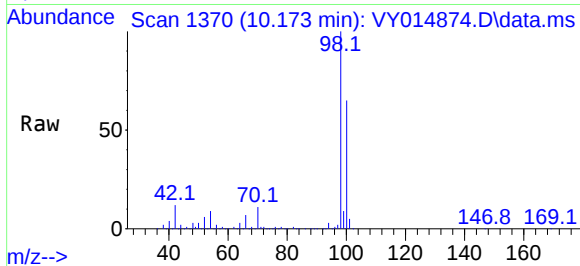




#50
Toluene-d8
Concen: 50.776 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY014874.D
Acq: 27 Jul 2023 11:57

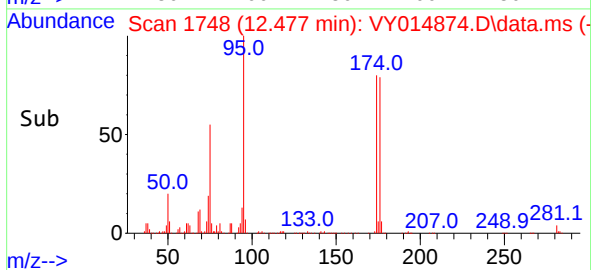
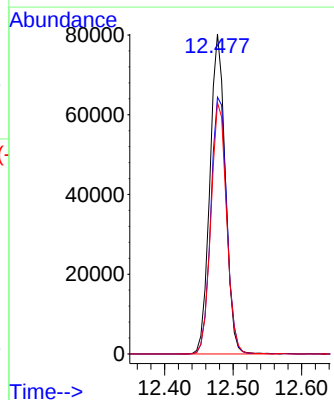
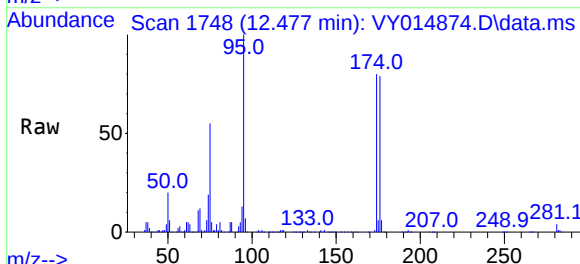
Instrument :
MSVOA_Y
ClientSampleId :

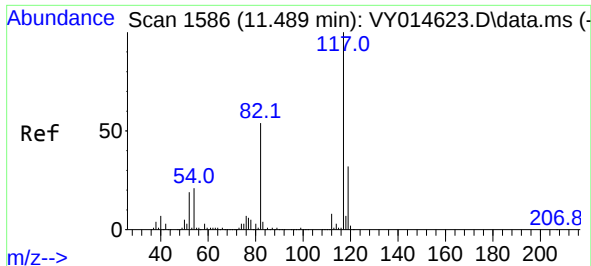
Tgt Ion: 98 Resp: 344166
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 48.463 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014874.D
Acq: 27 Jul 2023 11:57

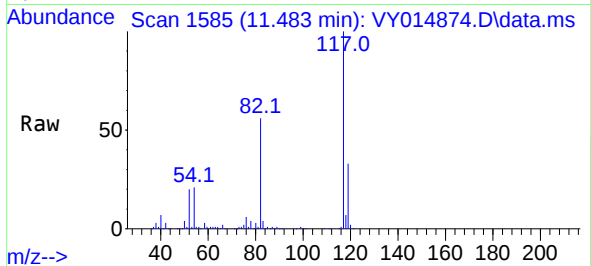
Tgt Ion: 95 Resp: 125955
Ion Ratio Lower Upper
95 100
174 83.3 0.0 178.2
176 79.6 0.0 173.8



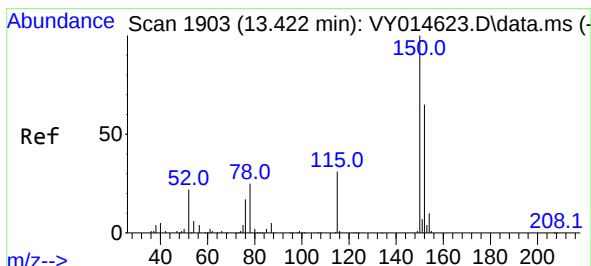
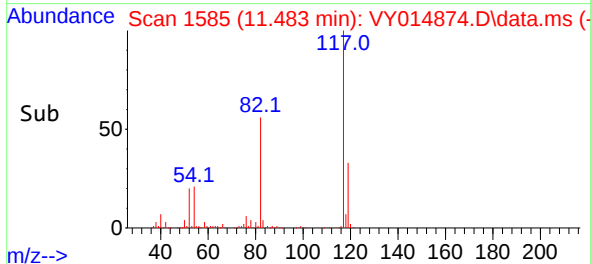
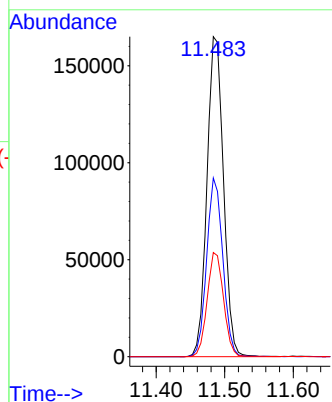


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY014874.D
Acq: 27 Jul 2023 11:57

Instrument :
MSVOA_Y
ClientSampleId :

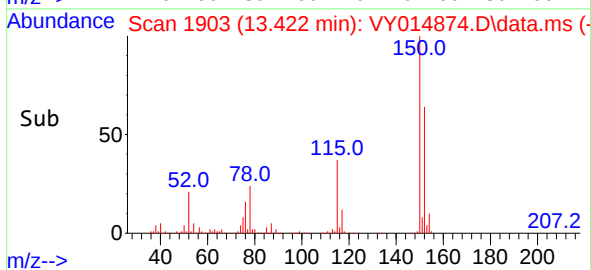
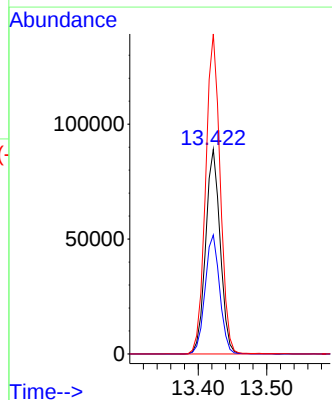
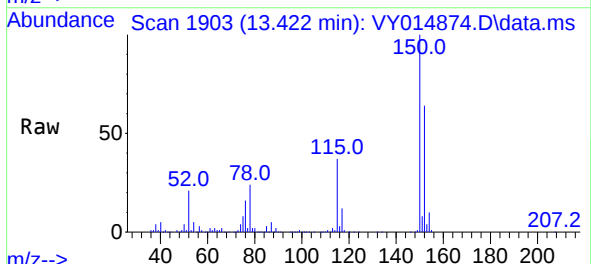


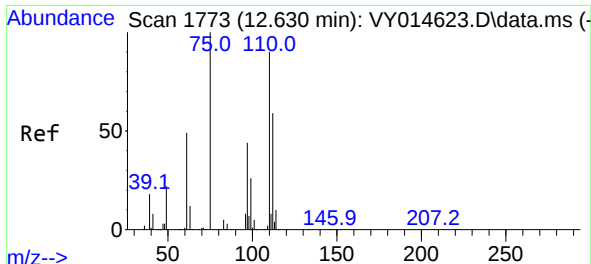
Tgt Ion:117 Resp: 276592
Ion Ratio Lower Upper
117 100
82 55.9 43.4 65.0
119 32.5 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014874.D
Acq: 27 Jul 2023 11:57

Tgt Ion:152 Resp: 131624
Ion Ratio Lower Upper
152 100
115 58.7 28.8 86.5
150 157.0 0.0 348.8

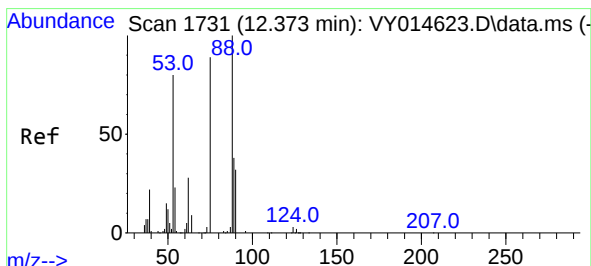
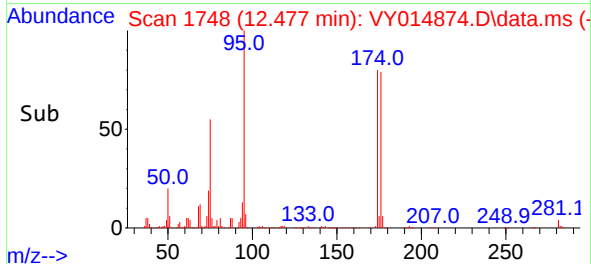
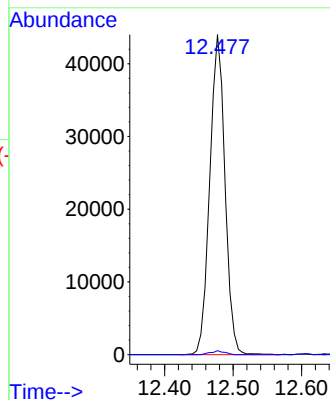
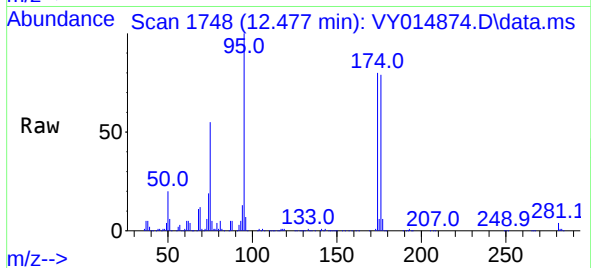




#76
1,2,3-Trichloropropane
Concen: 40.913 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.153 min
Lab File: VY014874.D
Acq: 27 Jul 2023 11:57

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 68012
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.214 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014874.D
Acq: 27 Jul 2023 11:57

Tgt Ion: 75 Resp: 68012
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

