

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072623\
 Data File : VY014860.D
 Acq On : 26 Jul 2023 19:25
 Operator : SY/MD
 Sample : 03686-04
 Misc : 4.97g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 27 01:12:45 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)

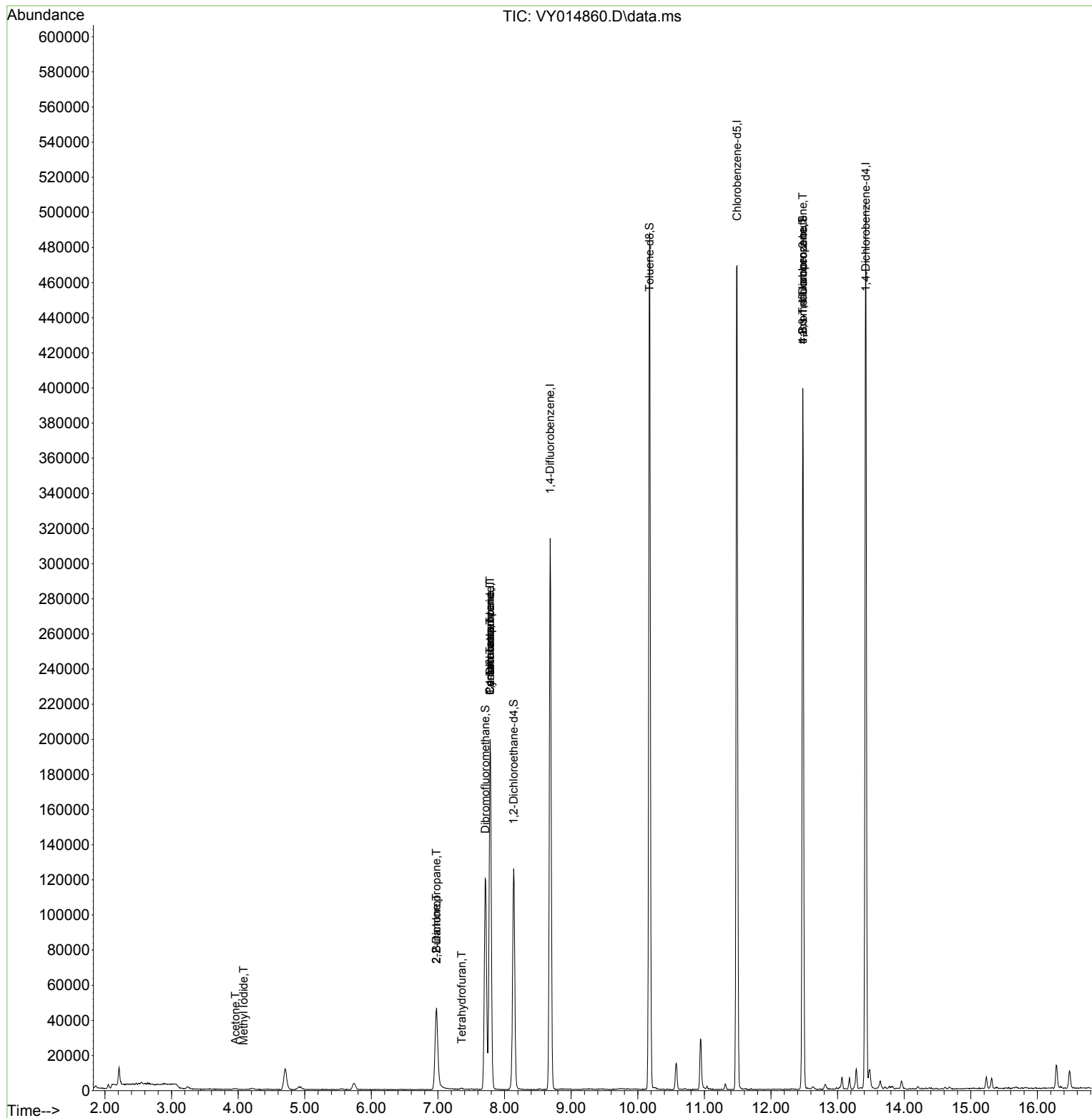
Internal Standards						
1) Pentafluorobenzene	7.783	168	153289	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	270708	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	260646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	124295	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	97146	55.614	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.220%	
35) Dibromofluoromethane	7.710	113	85178	49.428	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.860%	
50) Toluene-d8	10.179	98	321989	50.681	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.360%	
62) 4-Bromofluorobenzene	12.477	95	117999	48.438	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.880%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.082	142	40	2.392	ug/l #	38
11) Tert butyl alcohol	4.924	59	1171	Below Cal	#	89
16) Acetone	3.960	43	1104	1.994	ug/l	99
25) 2-Butanone	6.978	43	2659	3.283	ug/l #	72
26) 2,2-Dichloropropane	6.978	77	3663	1.233	ug/l #	54
29) Tetrahydrofuran	7.356	42	579	1.161	ug/l #	74
31) Cyclohexane	7.783	56	3277	1.130	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	12605	4.891	ug/l #	50
38) Carbon Tetrachloride	7.783	117	15137	5.556	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	63698	40.577	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	63698	78.564	ug/l #	11

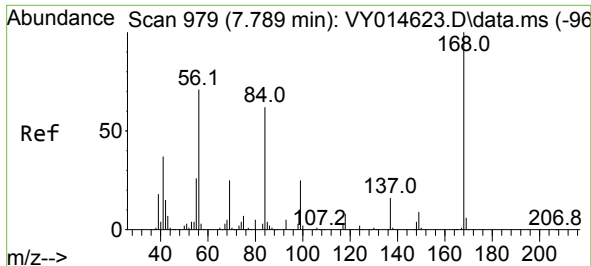
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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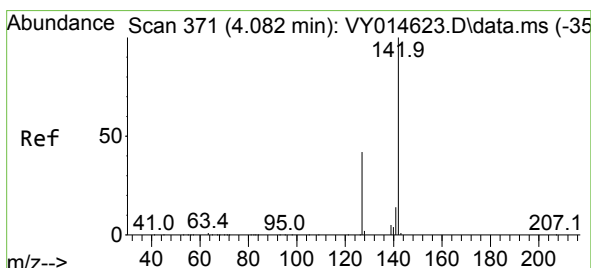
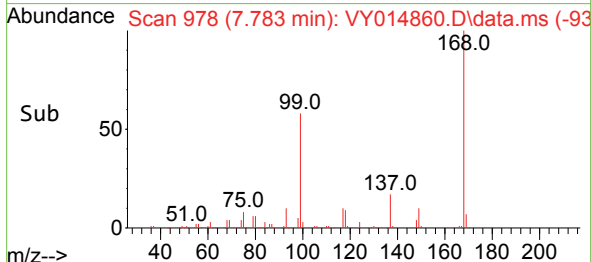
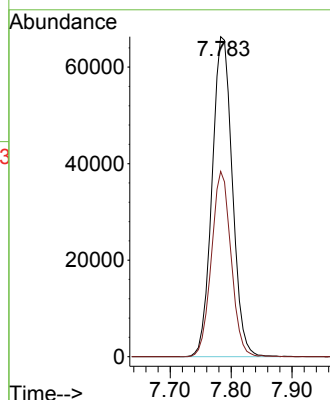
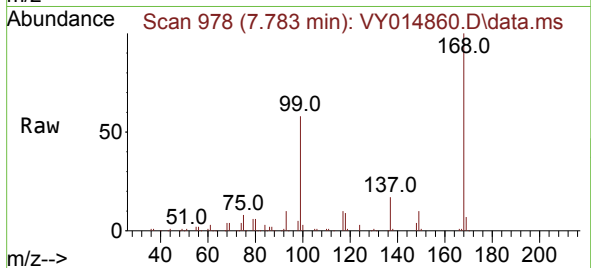




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014860.D
Acq: 26 Jul 2023 19:25

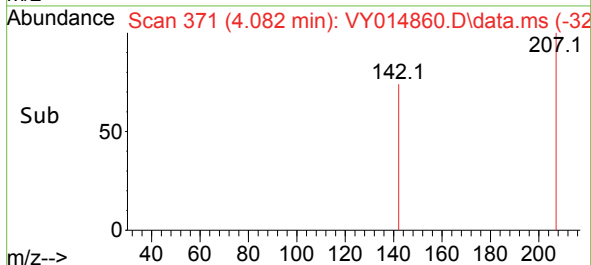
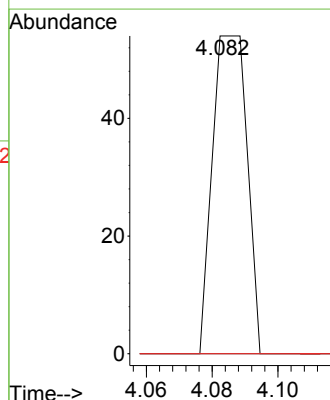
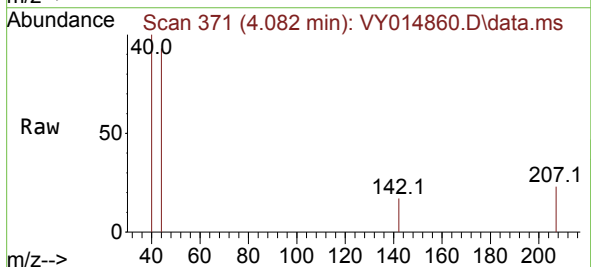
Instrument :
MSVOA_Y
ClientSampleId :

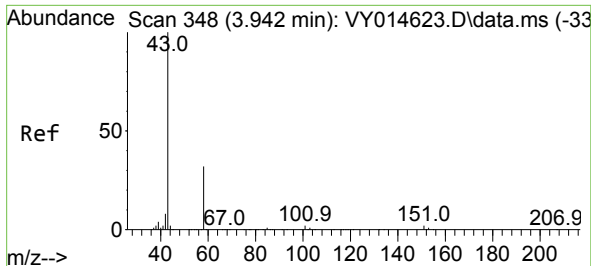
Tgt Ion:168 Resp: 153289
Ion Ratio Lower Upper
168 100
99 57.9 43.4 65.0



#10
Methyl Iodide
Concen: 2.392 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.000 min
Lab File: VY014860.D
Acq: 26 Jul 2023 19:25

Tgt Ion:142 Resp: 40
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

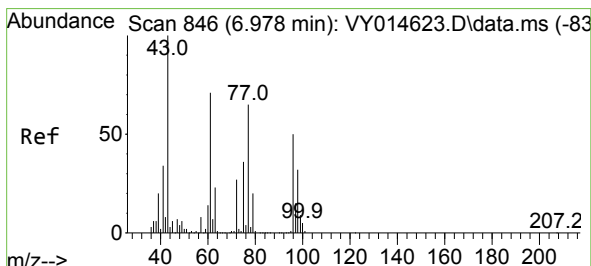
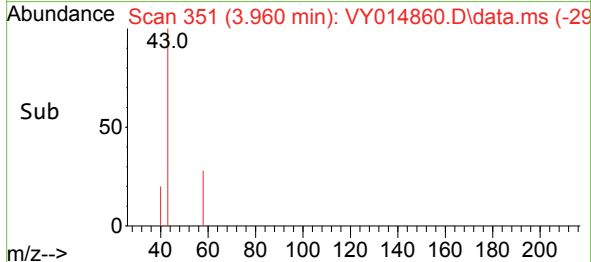
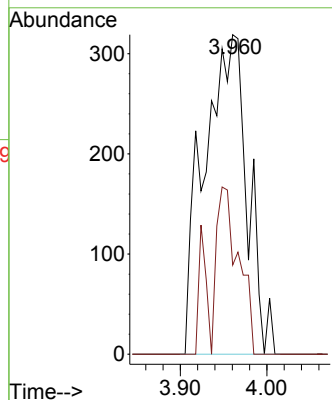
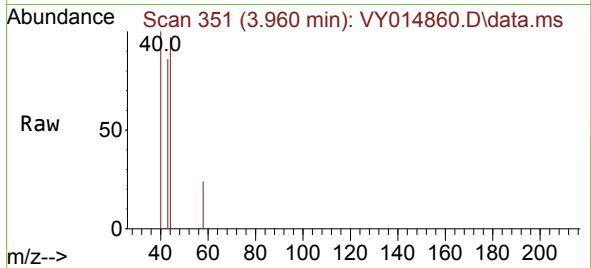




#16
Acetone
Concen: 1.994 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY014860.D
Acq: 26 Jul 2023 19:25

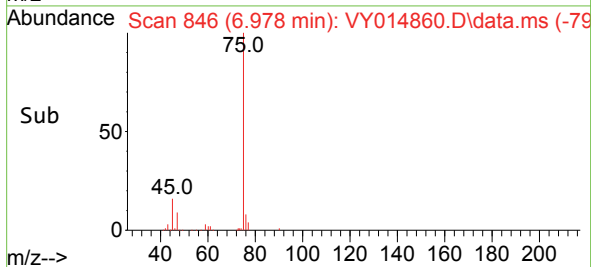
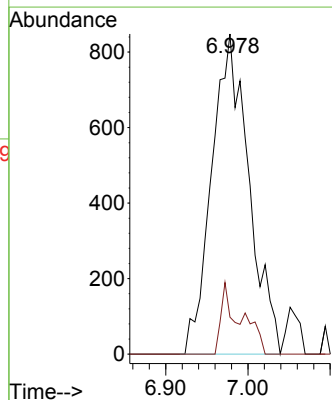
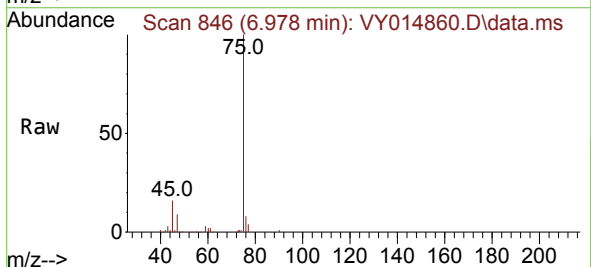
Instrument :
MSVOA_Y
ClientSampleId :

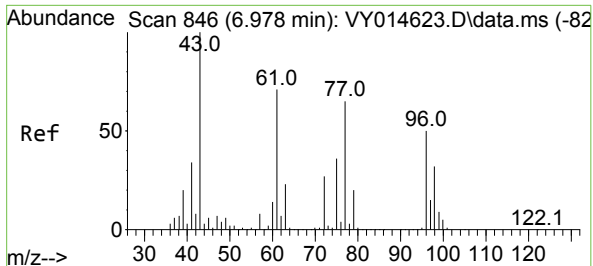
Tgt Ion: 43 Resp: 1104
Ion Ratio Lower Upper
43 100
58 27.9 22.7 34.1



#25
2-Butanone
Concen: 3.283 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014860.D
Acq: 26 Jul 2023 19:25

Tgt Ion: 43 Resp: 2659
Ion Ratio Lower Upper
43 100
72 11.6 20.5 30.7#

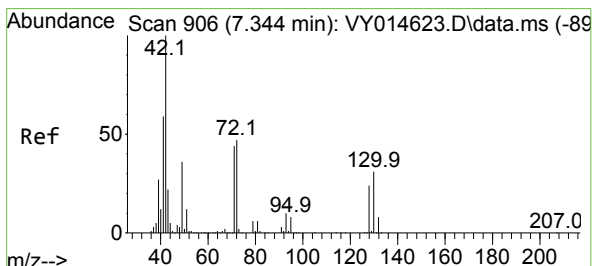
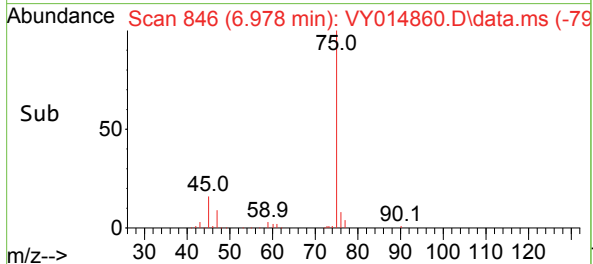
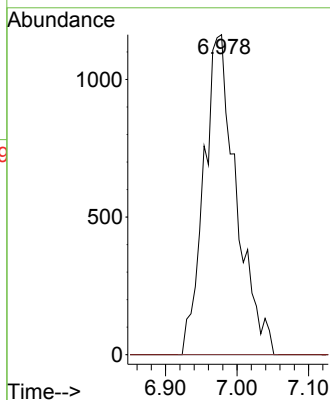
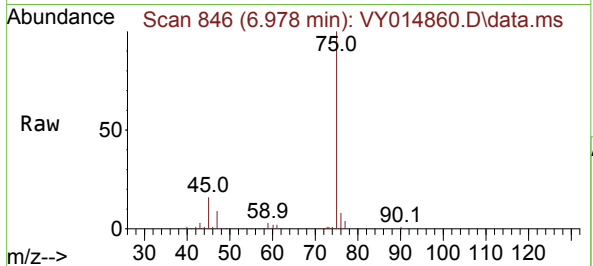




#26
2,2-Dichloropropane
Concen: 1.233 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014860.D
Acq: 26 Jul 2023 19:25

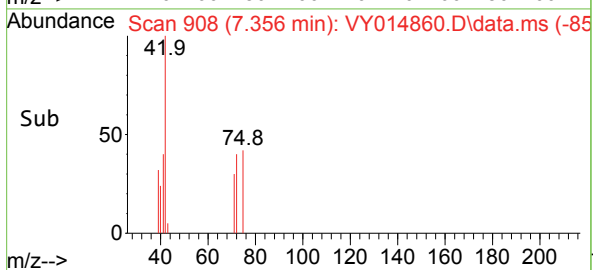
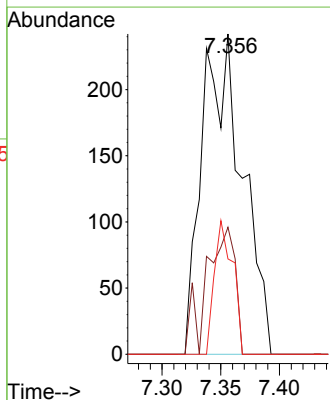
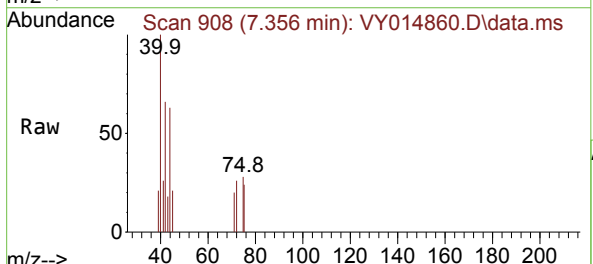
Instrument :
MSVOA_Y
ClientSampleId :

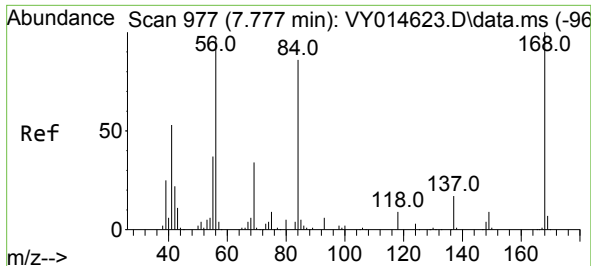
Tgt Ion: 77 Resp: 3663
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#29
Tetrahydrofuran
Concen: 1.161 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.012 min
Lab File: VY014860.D
Acq: 26 Jul 2023 19:25

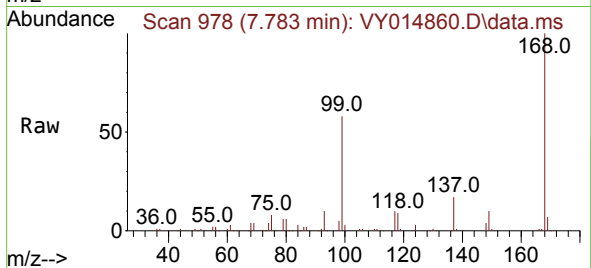
Tgt Ion: 42 Resp: 579
Ion Ratio Lower Upper
42 100
72 28.2 32.8 49.2#
71 19.0 31.0 46.4#



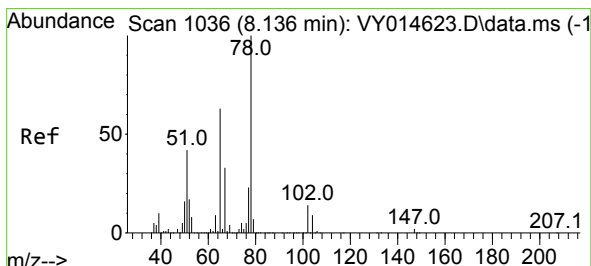
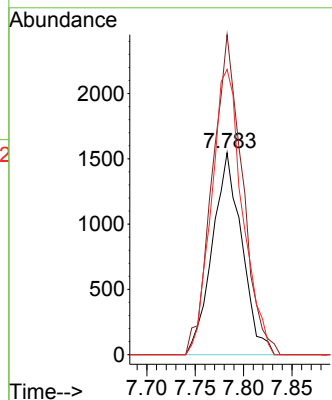
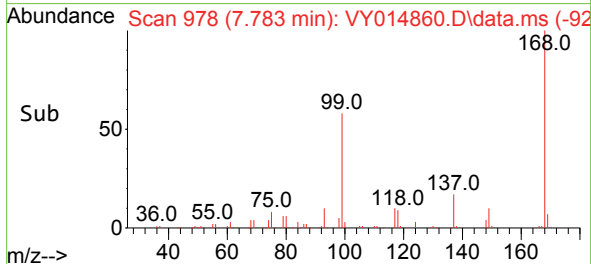


#31
Cyclohexane
Concen: 1.130 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014860.D
Acq: 26 Jul 2023 19:25

Instrument :
MSVOA_Y
ClientSampleId :

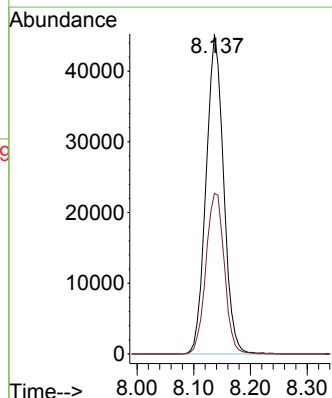
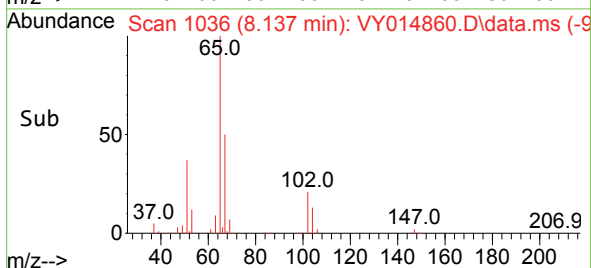
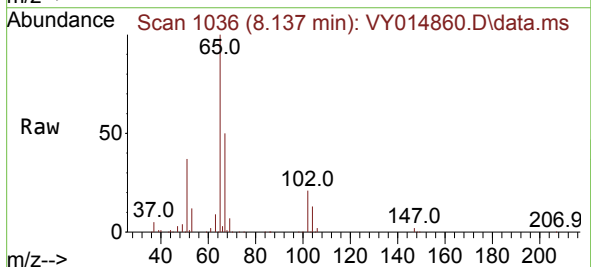


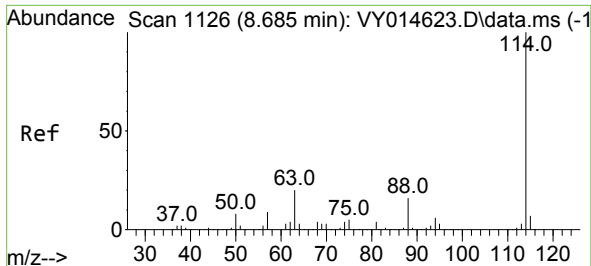
Tgt Ion: 56 Resp: 3277
Ion Ratio Lower Upper
56 100
69 158.5 27.8 41.6#
84 141.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 55.614 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY014860.D
Acq: 26 Jul 2023 19:25

Tgt Ion: 65 Resp: 97146
Ion Ratio Lower Upper
65 100
67 52.8 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: VY014860.D

Acq: 26 Jul 2023 19:25

Instrument :

MSVOA_Y

ClientSampleId :

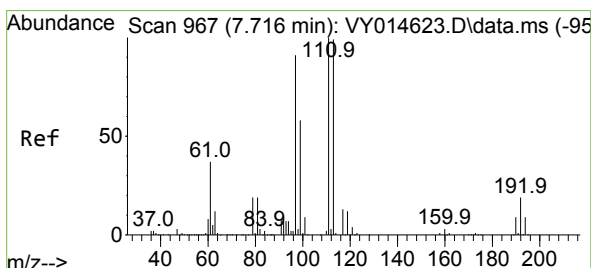
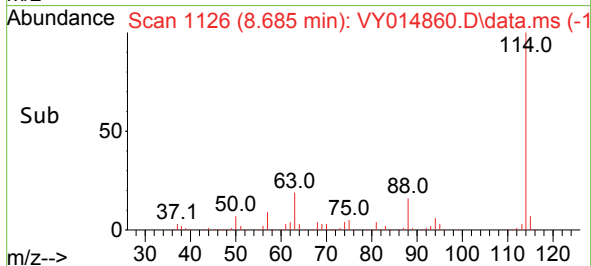
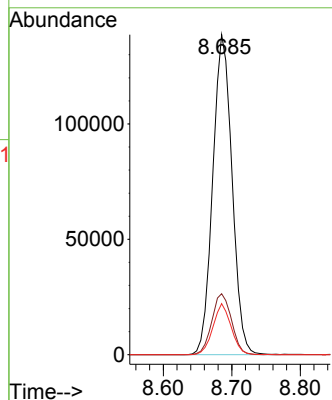
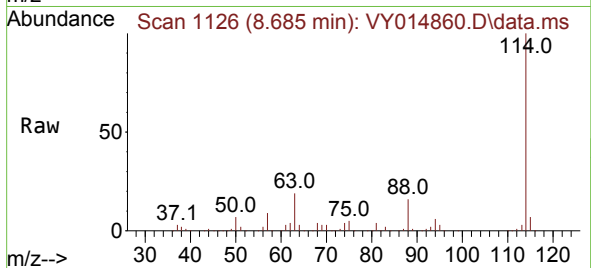
Tgt Ion:114 Resp: 270708

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 15.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.428 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY014860.D

Acq: 26 Jul 2023 19:25

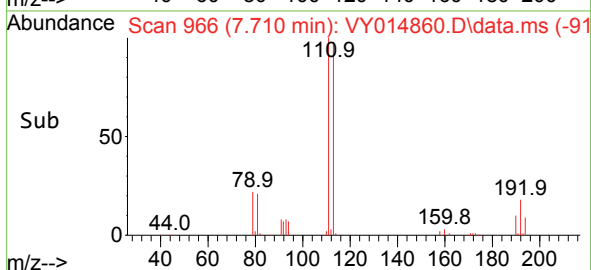
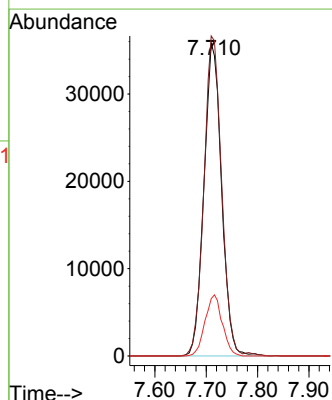
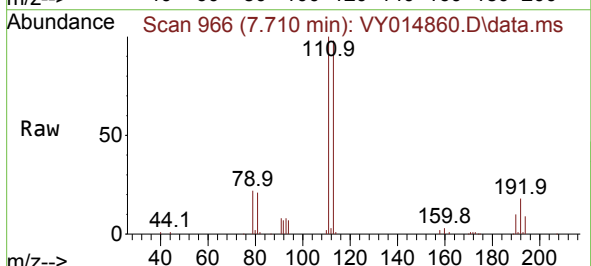
Tgt Ion:113 Resp: 85178

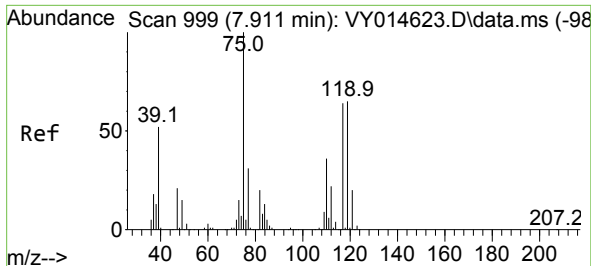
Ion Ratio Lower Upper

113 100

111 102.6 81.3 121.9

192 19.2 16.9 25.3

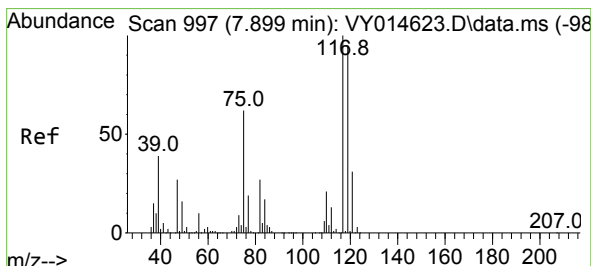
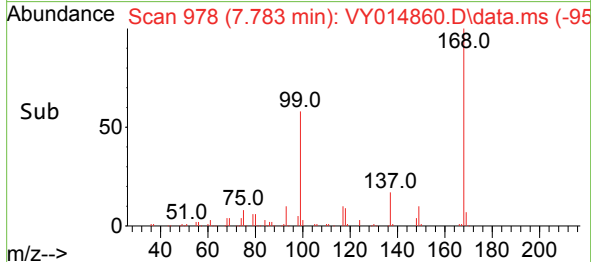
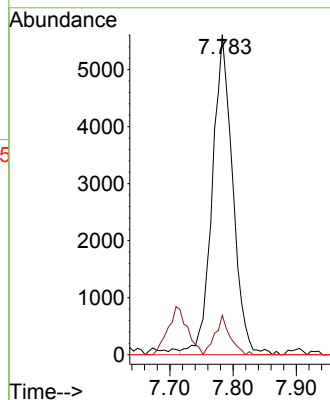
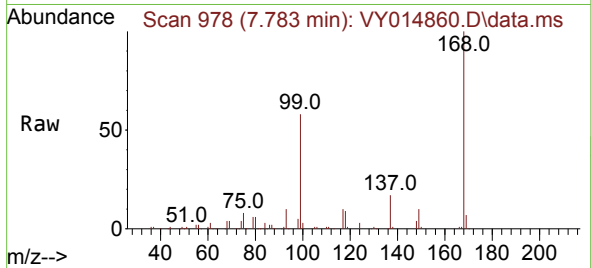




#36
1,1-Dichloropropene
Concen: 4.891 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY014860.D
Acq: 26 Jul 2023 19:25

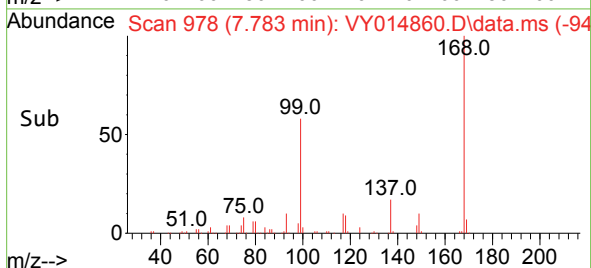
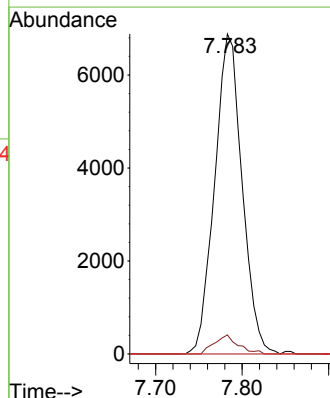
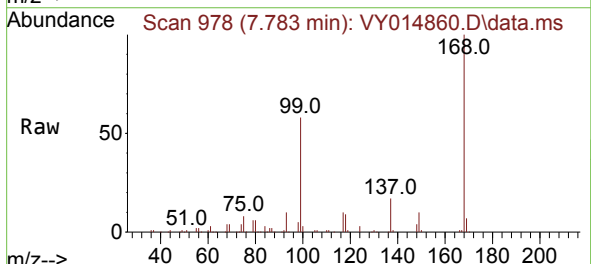
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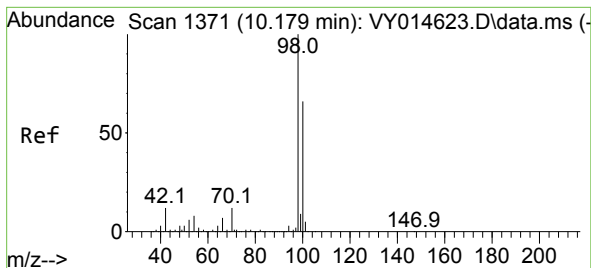
Tgt Ion: 75 Resp: 12605
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.556 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY014860.D
Acq: 26 Jul 2023 19:25

Tgt Ion: 117 Resp: 15137
Ion Ratio Lower Upper
117 100
119 6.0 76.4 114.6#
121 0.0 25.8 38.6#

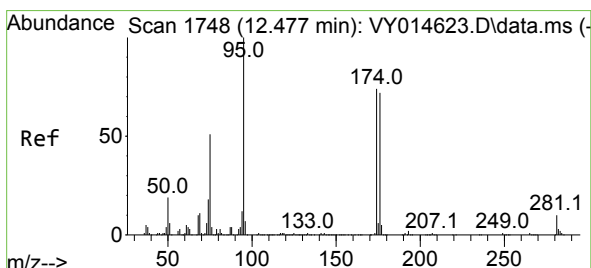
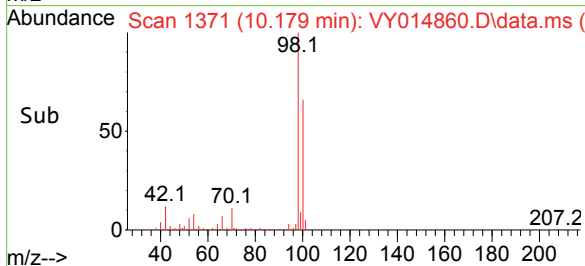
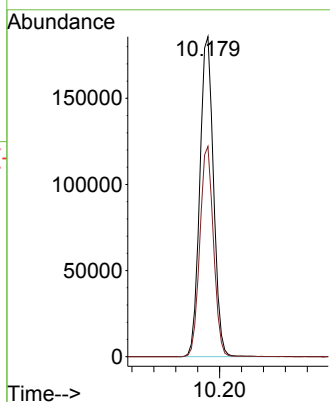
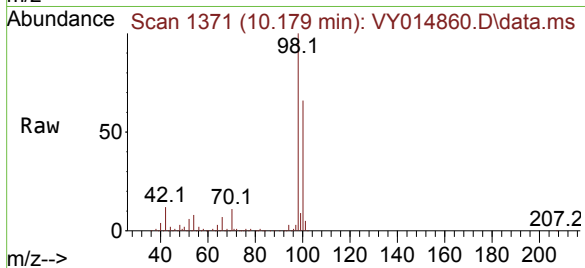




#50
Toluene-d8
Concen: 50.681 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014860.D
Acq: 26 Jul 2023 19:25

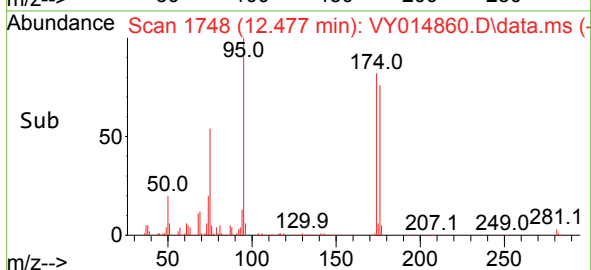
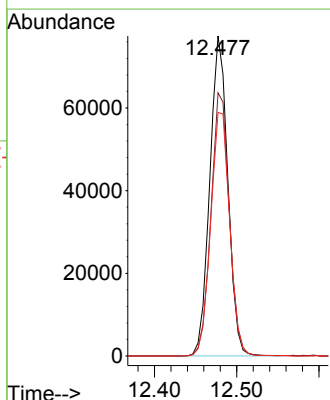
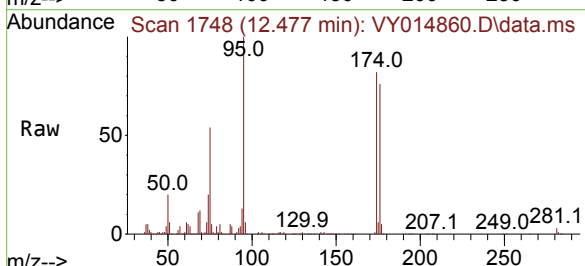
Instrument :
MSVOA_Y
ClientSampleId :

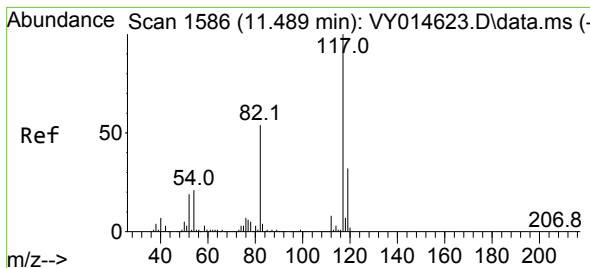
Tgt Ion: 98 Resp: 321989
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 48.438 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014860.D
Acq: 26 Jul 2023 19:25

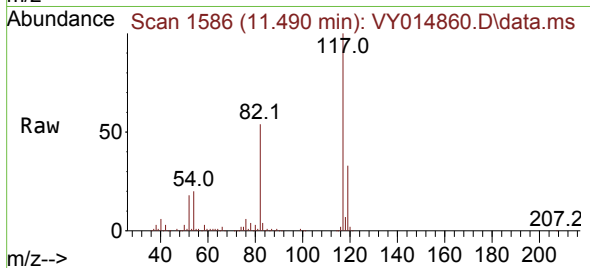
Tgt Ion: 95 Resp: 117999
Ion Ratio Lower Upper
95 100
174 83.7 0.0 178.2
176 80.1 0.0 173.8



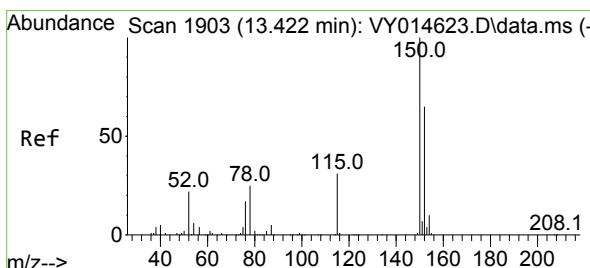
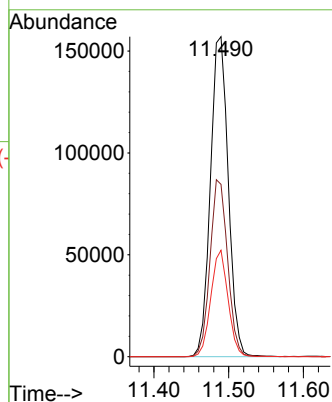
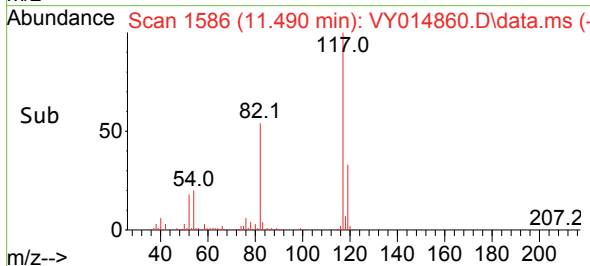


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014860.D
Acq: 26 Jul 2023 19:25

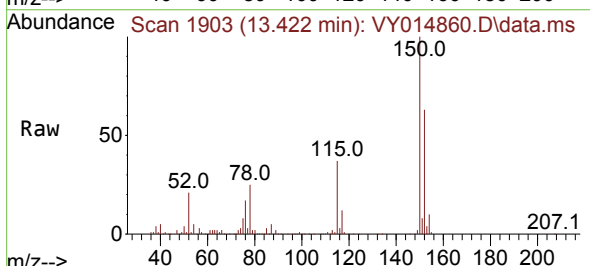
Instrument :
MSVOA_Y
ClientSampleId :



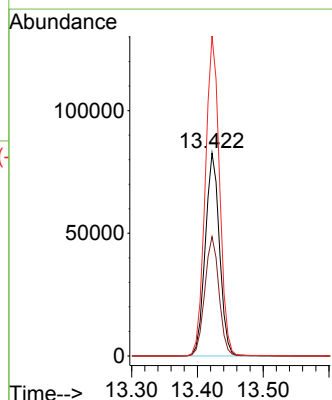
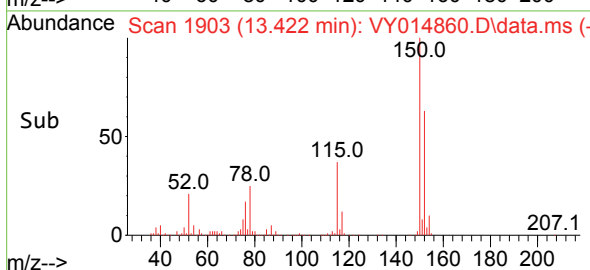
Tgt Ion:117 Resp: 260646
Ion Ratio Lower Upper
117 100
82 53.8 43.4 65.0
119 33.2 26.3 39.5

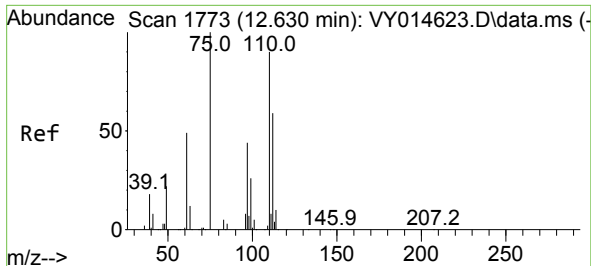


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014860.D
Acq: 26 Jul 2023 19:25



Tgt Ion:152 Resp: 124295
Ion Ratio Lower Upper
152 100
115 58.8 28.8 86.5
150 158.3 0.0 348.8

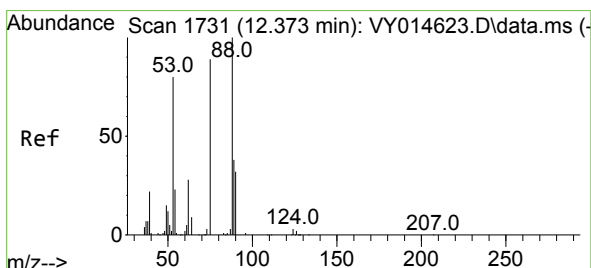
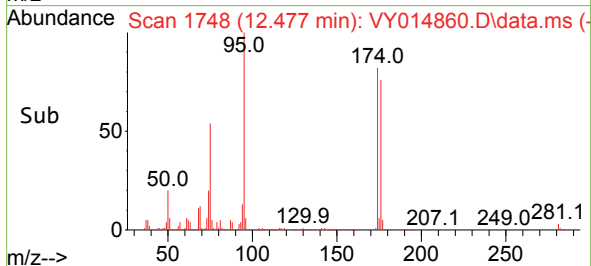
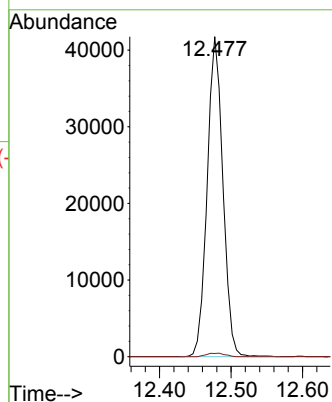
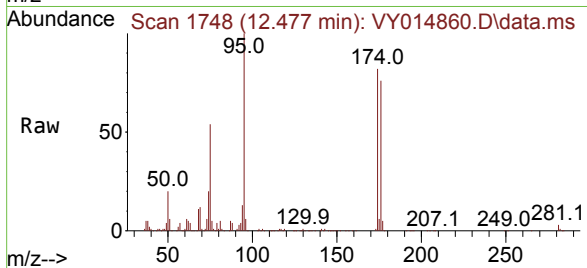




#76
1,2,3-Trichloropropane
Concen: 40.577 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014860.D
Acq: 26 Jul 2023 19:25

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 63698
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.564 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014860.D
Acq: 26 Jul 2023 19:25

Tgt Ion: 75 Resp: 63698
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.2 37.4 56.0#

