

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062623\
 Data File : VY014430.D
 Acq On : 26 Jun 2023 13:43
 Operator : KP/MD
 Sample : 03394-04
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ORA-1651

Quant Time: Jun 27 01:46:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

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

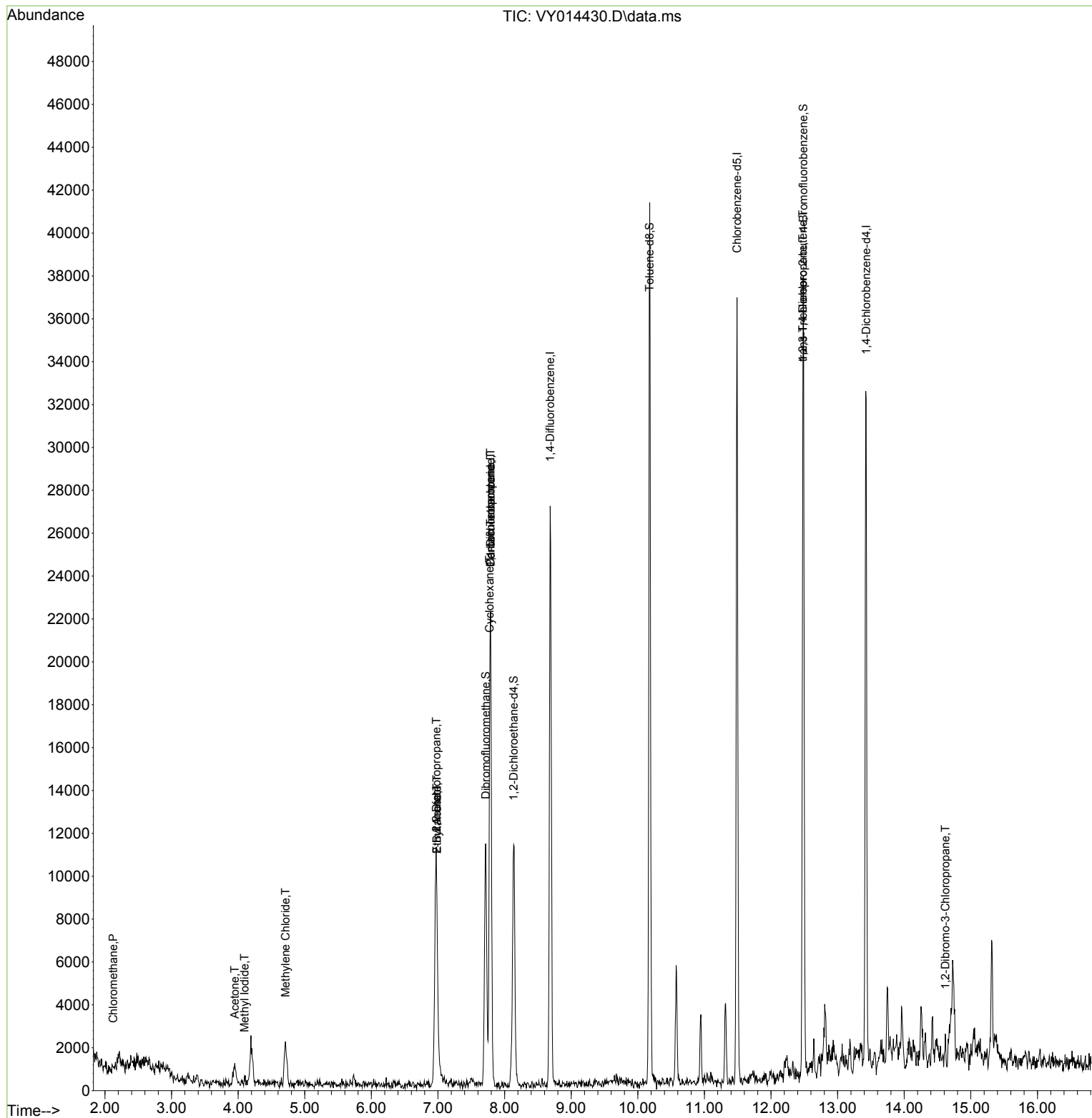
Internal Standards						
1) Pentafluorobenzene	7.789	168	17903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	23250	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	20552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	8793	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	10357	46.594	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.180%		
35) Dibromofluoromethane	7.716	113	7326	51.001	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.000%		
50) Toluene-d8	10.179	98	27160	47.566	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.140%		
62) 4-Bromofluorobenzene	12.483	95	7702	37.783	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	75.560%		
Target Compounds						Qvalue
3) Chloromethane	2.125	50	169	1.039	ug/l #	43
10) Methyl Iodide	4.095	142	97	3.293	ug/l #	38
11) Tert butyl alcohol	4.991	59	25	Below Cal	#	89
16) Acetone	3.948	43	1749	25.006	ug/l	90
20) Methylene Chloride	4.710	84	1433	1.729	ug/l #	68
25) 2-Butanone	6.984	43	328	3.765	ug/l #	49
26) 2,2-Dichloropropane	6.978	77	346	1.053	ug/l #	54
31) Cyclohexane	7.777	56	411	1.497	ug/l #	25
36) 1,1-Dichloropropene	7.789	75	1218	5.502	ug/l #	46
37) Ethyl Acetate	6.984	43	328	2.150	ug/l #	71
38) Carbon Tetrachloride	7.789	117	1799	6.458	ug/l #	12
76) 1,2,3-Trichloropropane	12.477	75	4191	37.996	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	4191	86.504	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.617	75	31	1.108	ug/l #	3

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

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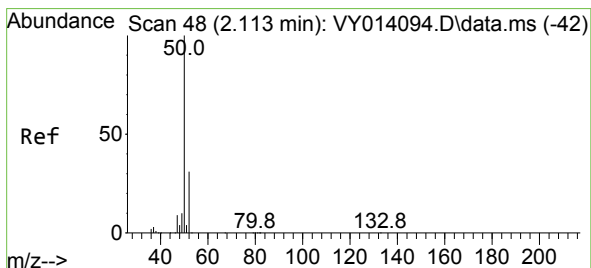
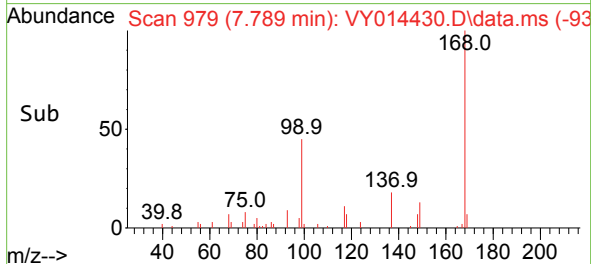
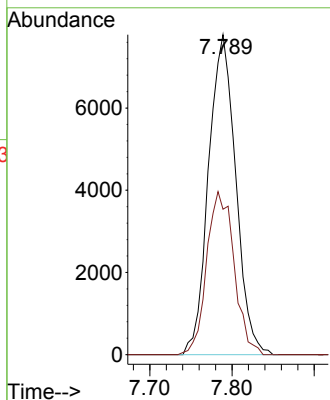
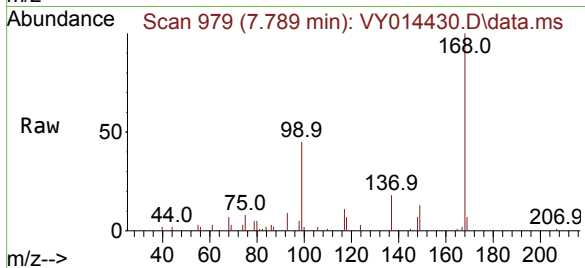




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014430.D
Acq: 26 Jun 2023 13:43

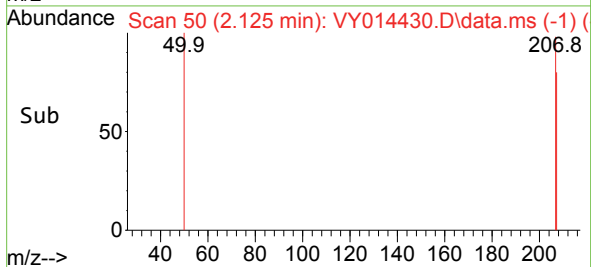
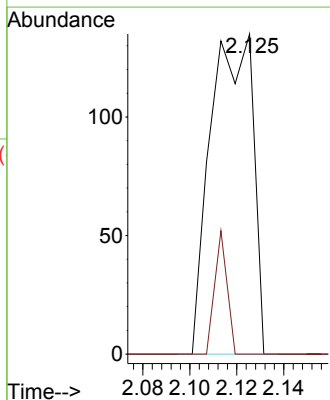
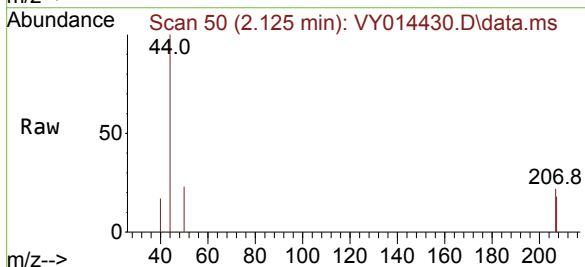
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1651

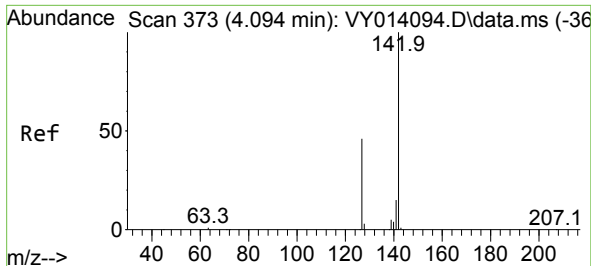
Tgt Ion:168 Resp: 17903
Ion Ratio Lower Upper
168 100
99 45.4 43.4 65.0



#3
Chloromethane
Concen: 1.039 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.012 min
Lab File: VY014430.D
Acq: 26 Jun 2023 13:43

Tgt Ion: 50 Resp: 169
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#10

Methyl Iodide

Concen: 3.293 ug/l

RT: 4.095 min Scan# 31

Delta R.T. 0.001 min

Lab File: VY014430.D

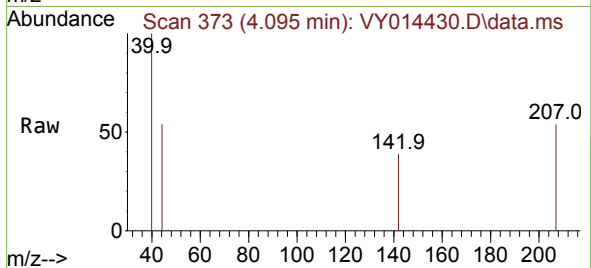
Acq: 26 Jun 2023 13:43

Instrument :

MSVOA_Y

ClientSampleId :

ORA-1651



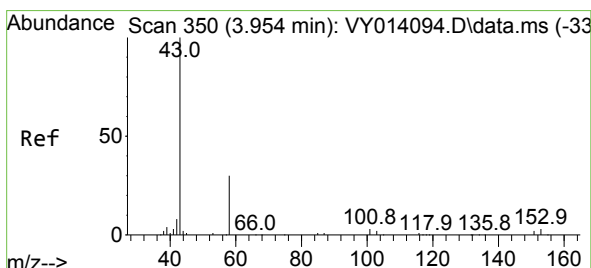
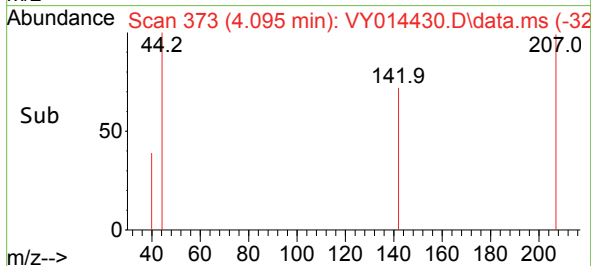
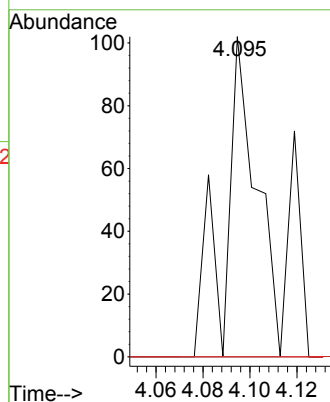
Tgt Ion:142 Resp: 97

Ion Ratio Lower Upper

142 100

127 0.0 37.6 56.4#

141 0.0 11.8 17.8#



#16

Acetone

Concen: 25.006 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.006 min

Lab File: VY014430.D

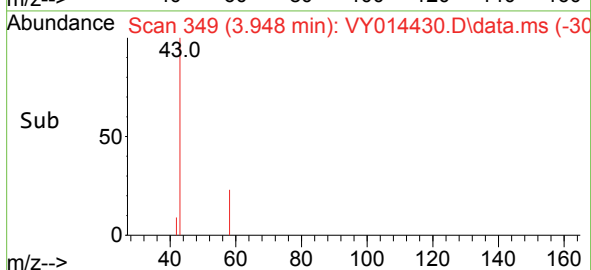
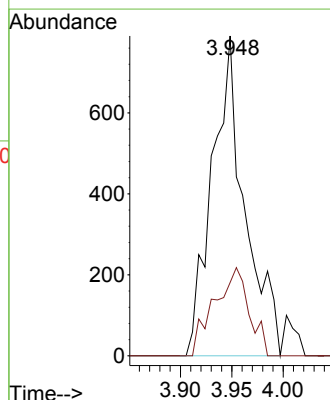
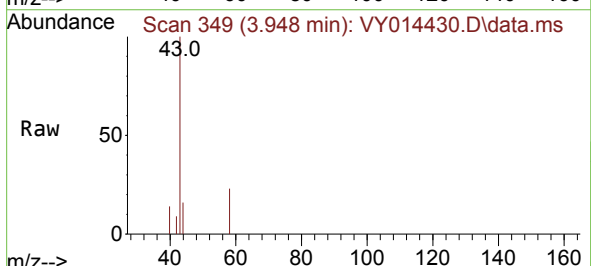
Acq: 26 Jun 2023 13:43

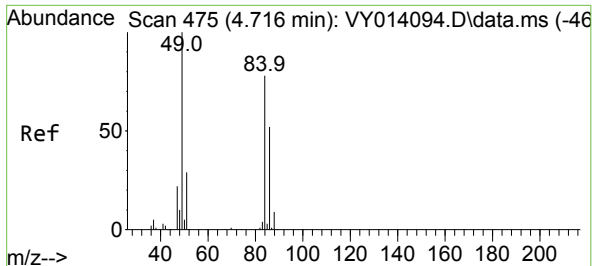
Tgt Ion: 43 Resp: 1749

Ion Ratio Lower Upper

43 100

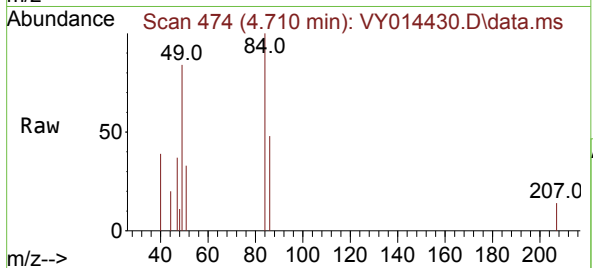
58 22.9 22.7 34.1





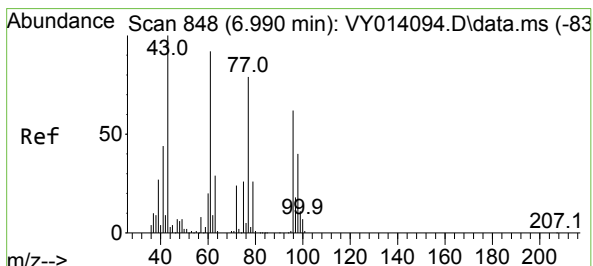
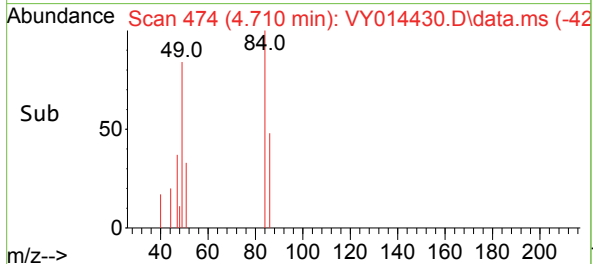
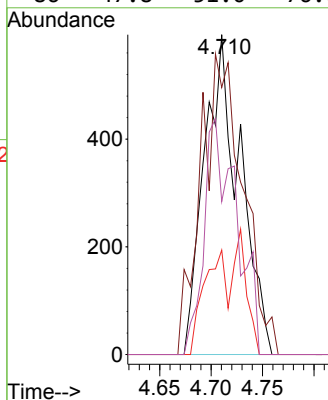
#20
Methylene Chloride
Concen: 1.729 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY014430.D
Acq: 26 Jun 2023 13:43

Instrument :
MSVOA_Y
ClientSampleId :
ORA-1651



Tgt Ion: 84 Resp: 1433

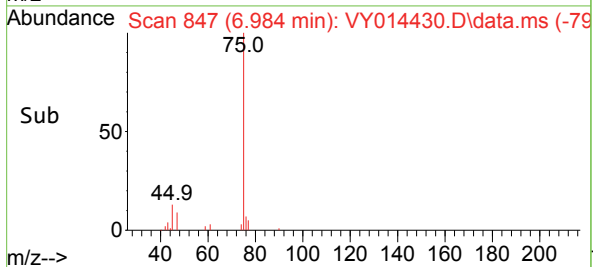
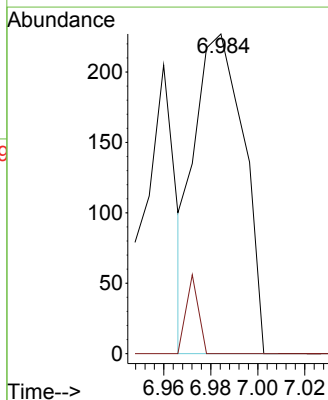
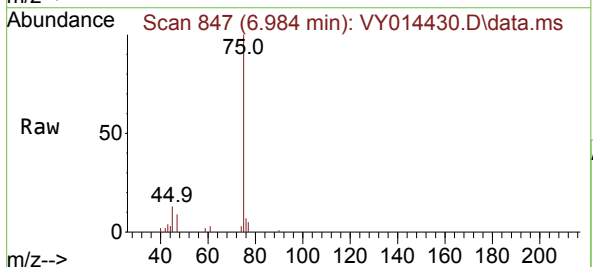
Ion	Ratio	Lower	Upper
84	100		
49	83.5	106.9	160.3#
51	32.7	33.2	49.8#
86	47.8	51.0	76.6#

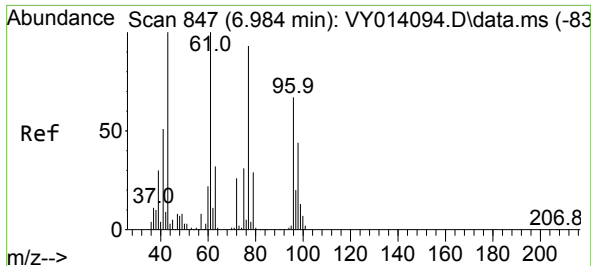


#25
2-Butanone
Concen: 3.765 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY014430.D
Acq: 26 Jun 2023 13:43

Tgt Ion: 43 Resp: 328

Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.5	30.7#

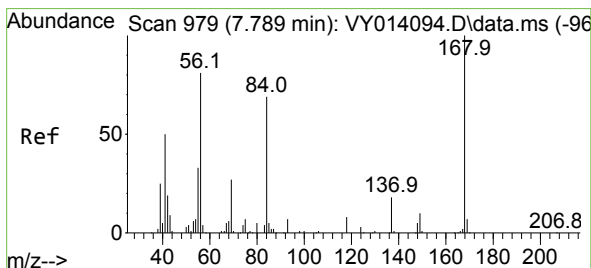
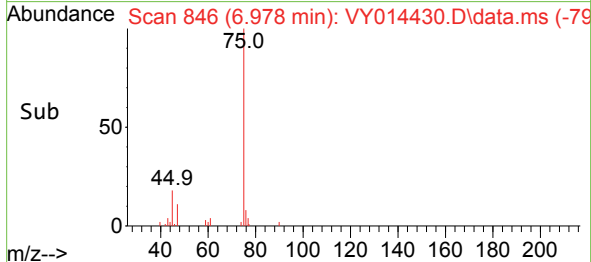
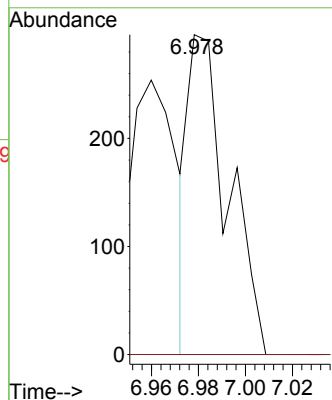
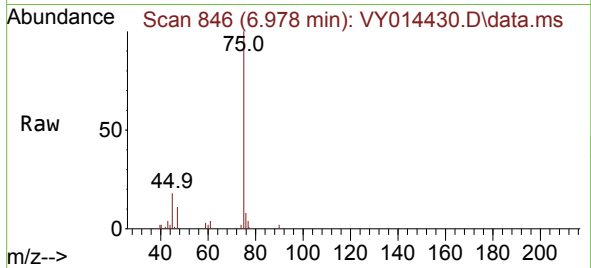




#26
2,2-Dichloropropane
Concen: 1.053 ug/l
RT: 6.978 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY014430.D
Acq: 26 Jun 2023 13:43

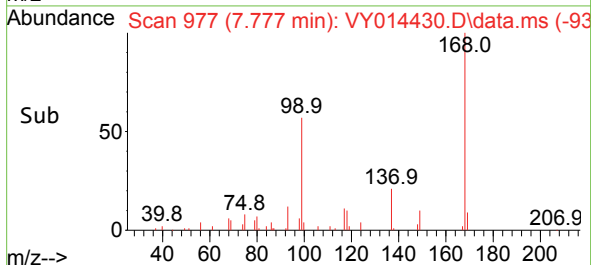
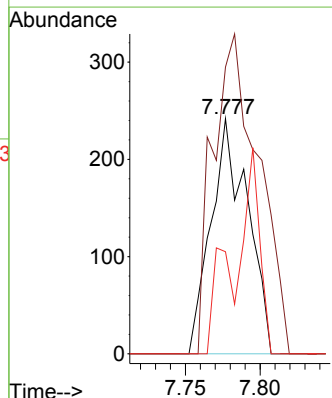
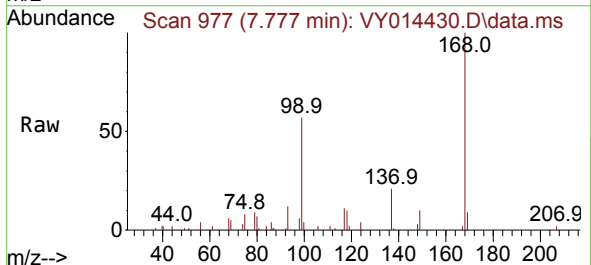
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1651

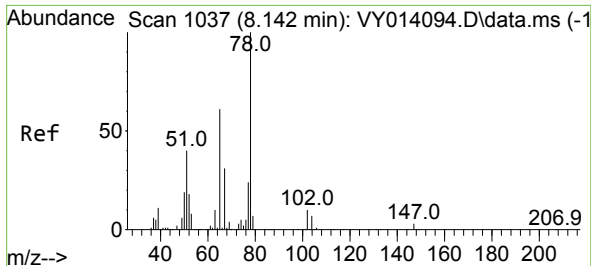
Tgt Ion: 77 Resp: 346
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.497 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.012 min
Lab File: VY014430.D
Acq: 26 Jun 2023 13:43

Tgt Ion: 56 Resp: 411
Ion Ratio Lower Upper
56 100
69 121.9 27.8 41.6#
84 43.4 66.4 99.6#

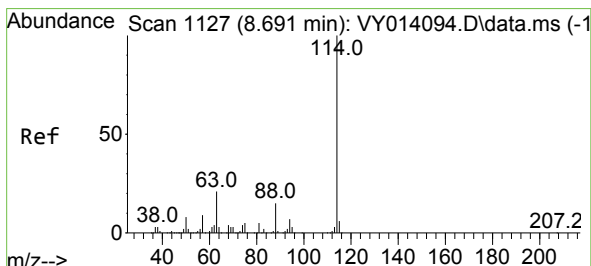
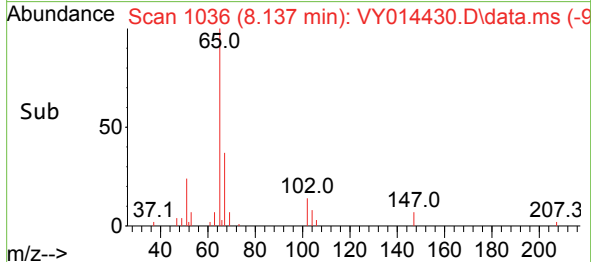
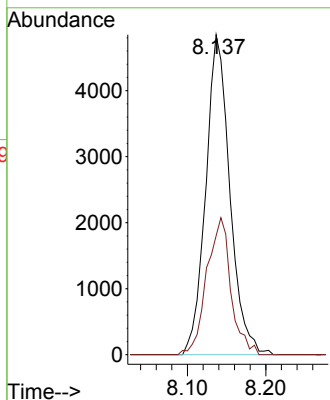
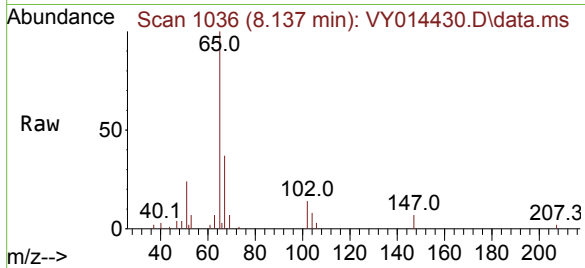




#33
 1,2-Dichloroethane-d4
 Concen: 46.594 ug/l
 RT: 8.137 min Scan# 1037
 Delta R.T. -0.005 min
 Lab File: VY014430.D
 Acq: 26 Jun 2023 13:43

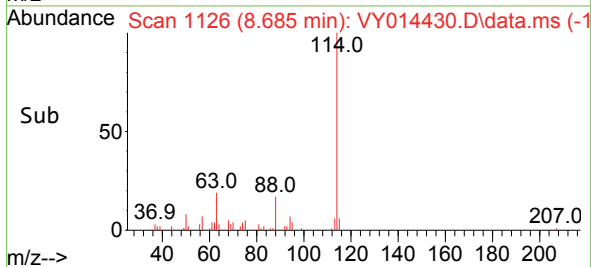
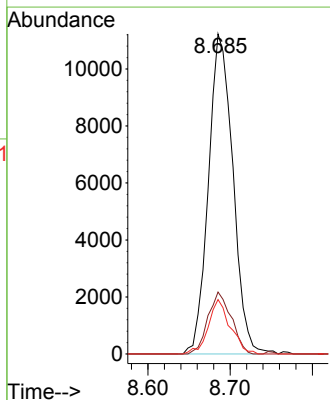
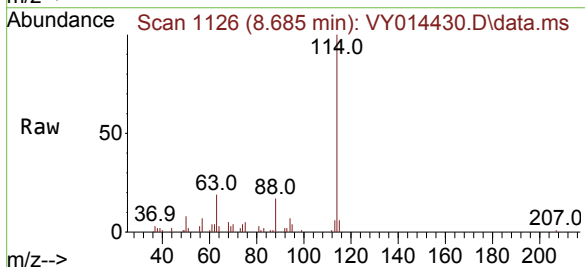
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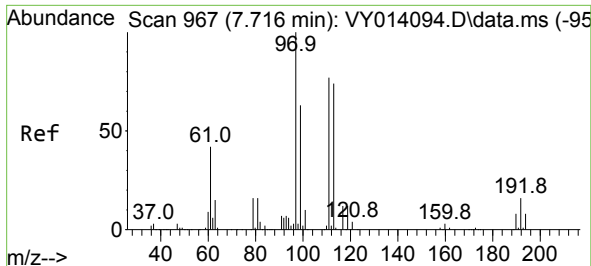
Tgt Ion: 65 Resp: 10357
 Ion Ratio Lower Upper
 65 100
 67 42.9 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VY014430.D
 Acq: 26 Jun 2023 13:43

Tgt Ion: 114 Resp: 23250
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 42.4
 88 17.0 0.0 30.6

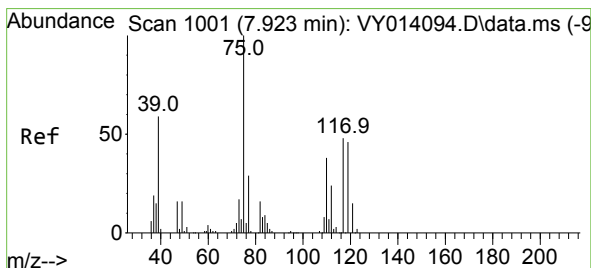
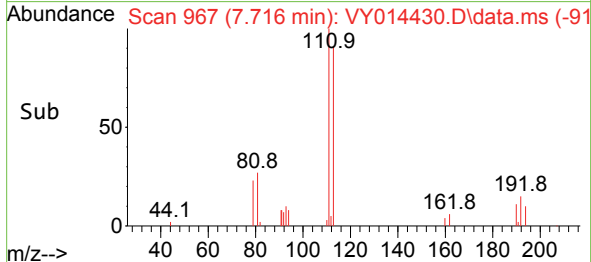
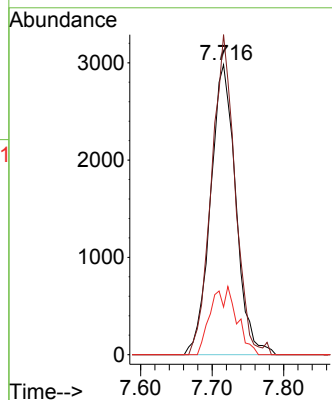
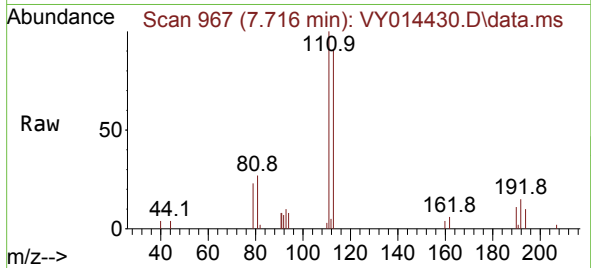




#35
 Dibromofluoromethane
 Concen: 51.001 ug/l
 RT: 7.716 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VY014430.D
 Acq: 26 Jun 2023 13:43

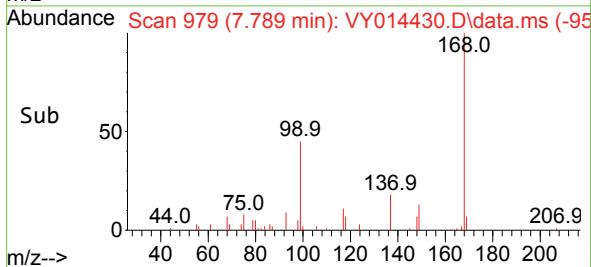
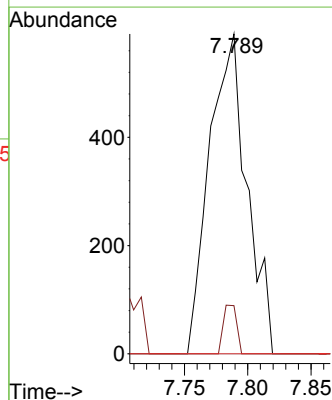
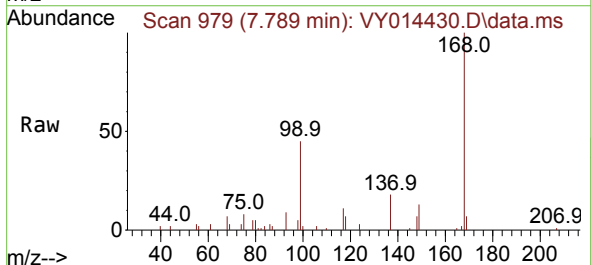
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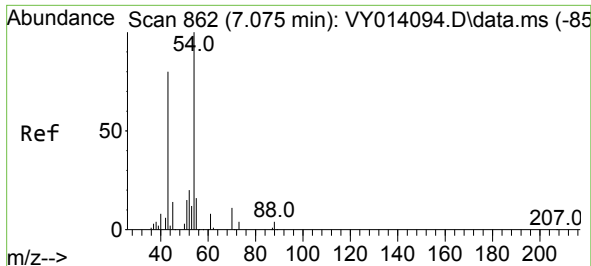
Tgt Ion:113 Resp: 7326
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.3 121.9
 192 24.1 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 5.502 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.134 min
 Lab File: VY014430.D
 Acq: 26 Jun 2023 13:43

Tgt Ion: 75 Resp: 1218
 Ion Ratio Lower Upper
 75 100
 110 5.3 17.8 53.5#
 77 0.0 24.4 36.6#

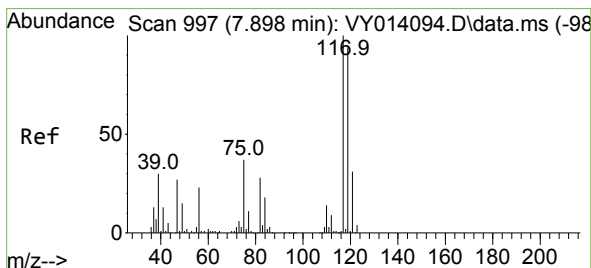
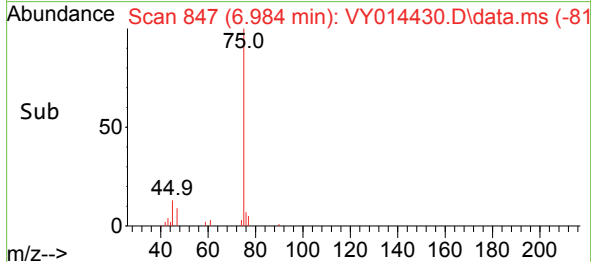
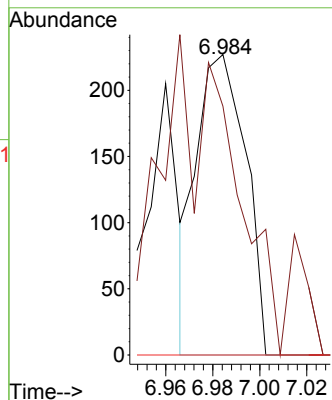
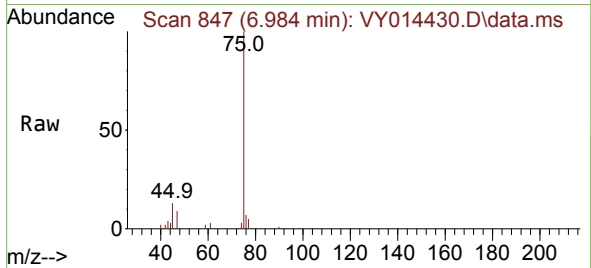




#37
Ethyl Acetate
Concen: 2.150 ug/l
RT: 6.984 min Scan# 84
Delta R.T. -0.091 min
Lab File: VY014430.D
Acq: 26 Jun 2023 13:43

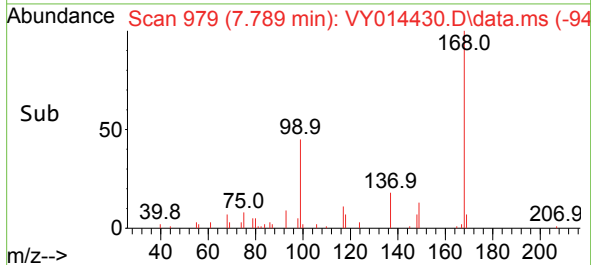
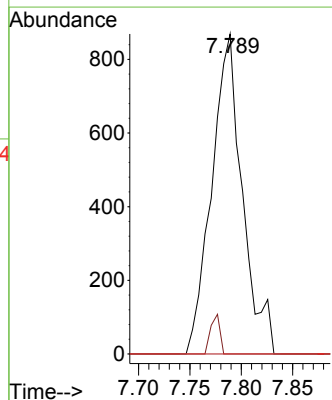
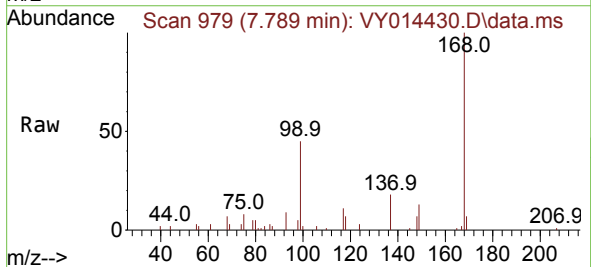
Instrument :
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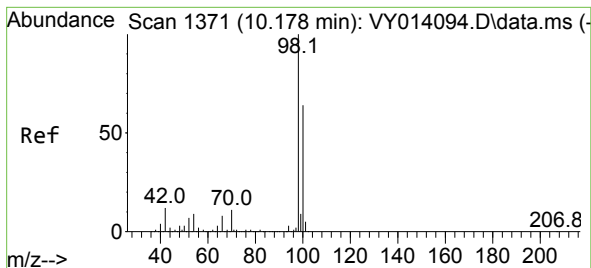
Tgt Ion: 43 Resp: 328
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.458 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.109 min
Lab File: VY014430.D
Acq: 26 Jun 2023 13:43

Tgt Ion: 117 Resp: 1799
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#

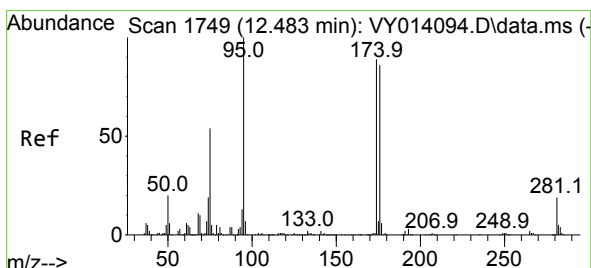
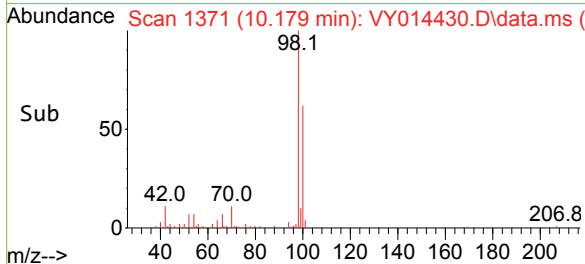
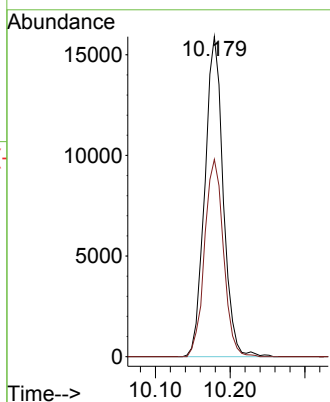
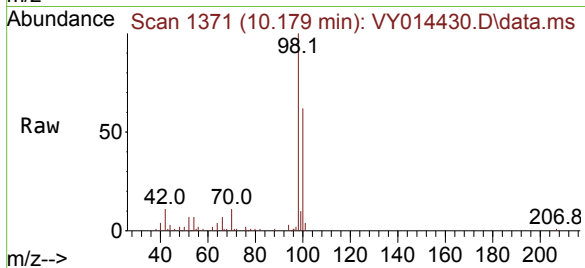




#50
Toluene-d8
Concen: 47.566 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014430.D
Acq: 26 Jun 2023 13:43

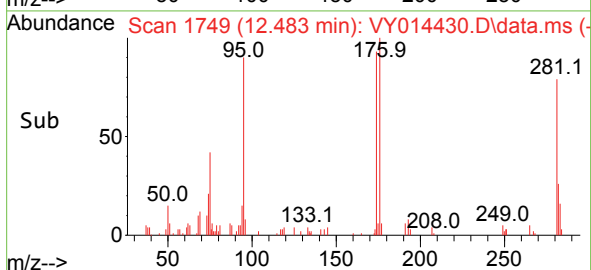
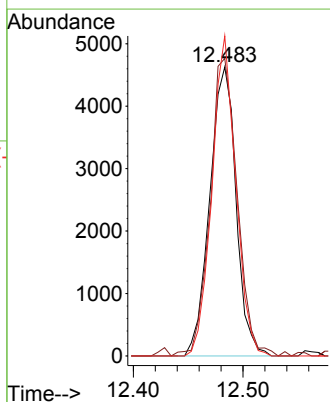
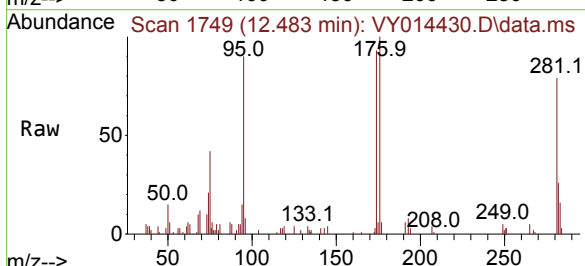
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1651

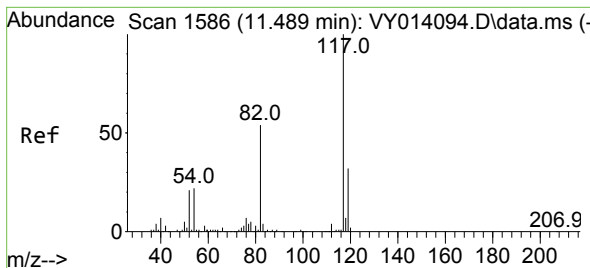
Tgt Ion: 98 Resp: 27160
Ion Ratio Lower Upper
98 100
100 63.4 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 37.783 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014430.D
Acq: 26 Jun 2023 13:43

Tgt Ion: 95 Resp: 7702
Ion Ratio Lower Upper
95 100
174 106.1 0.0 178.2
176 100.5 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: VY014430.D

Acq: 26 Jun 2023 13:43

Instrument :

MSVOA_Y

ClientSampleId :

ORA-1651

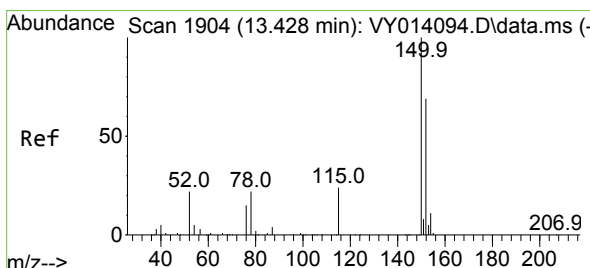
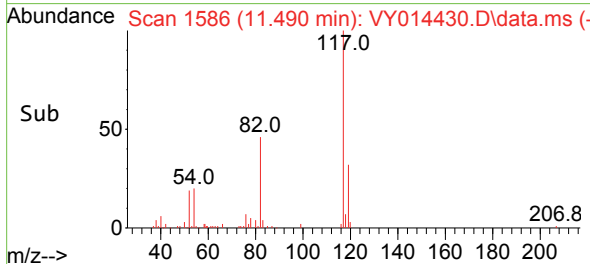
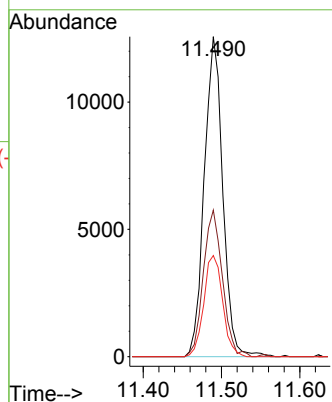
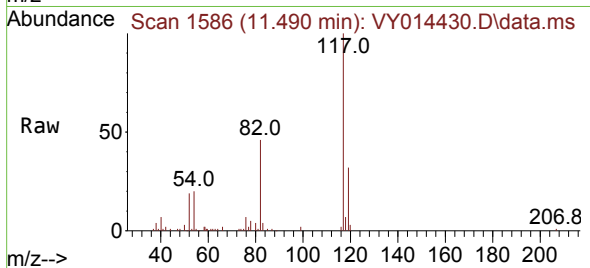
Tgt Ion:117 Resp: 20552

Ion Ratio Lower Upper

117 100

82 45.8 43.4 65.0

119 31.6 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY014430.D

Acq: 26 Jun 2023 13:43

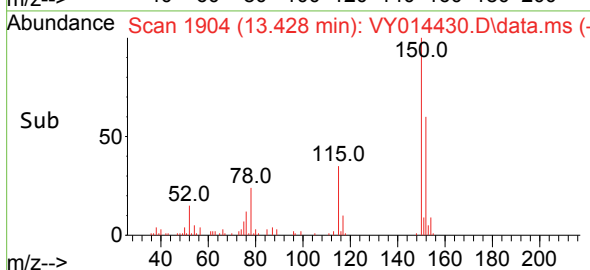
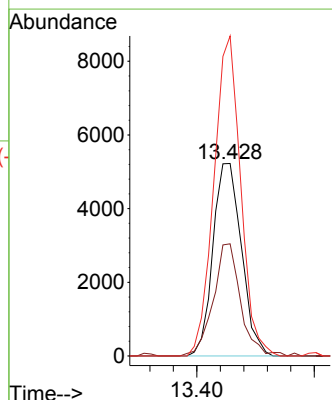
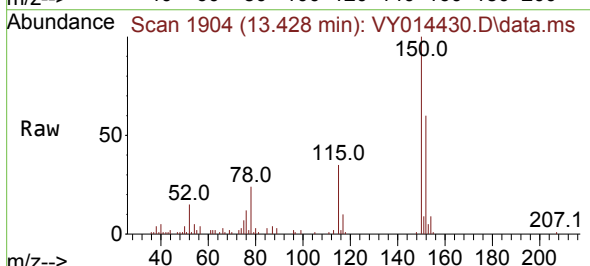
Tgt Ion:152 Resp: 8793

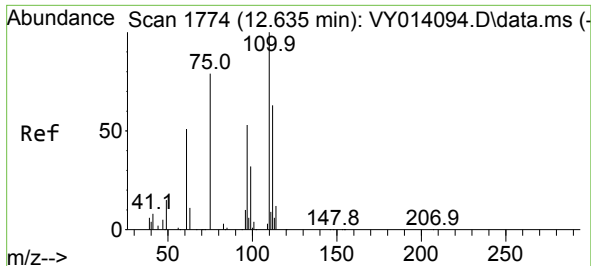
Ion Ratio Lower Upper

152 100

115 56.2 28.8 86.5

150 156.4 0.0 348.8

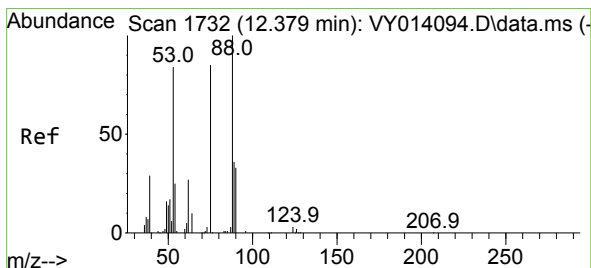
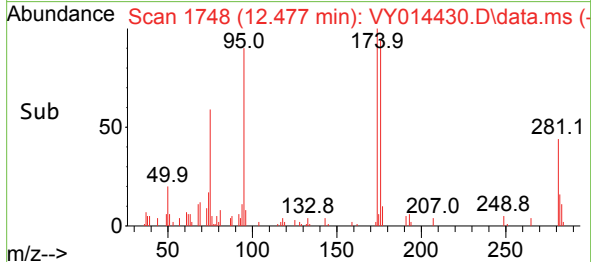
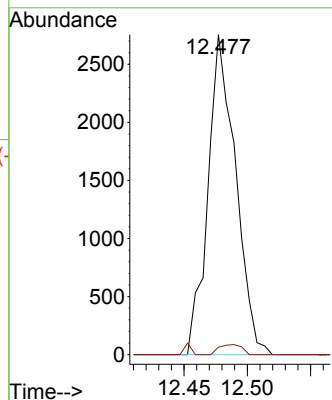
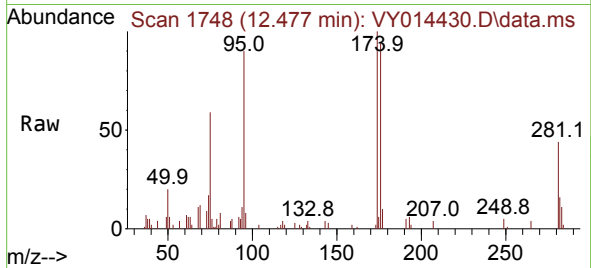




#76
1,2,3-Trichloropropane
Concen: 37.996 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014430.D
Acq: 26 Jun 2023 13:43

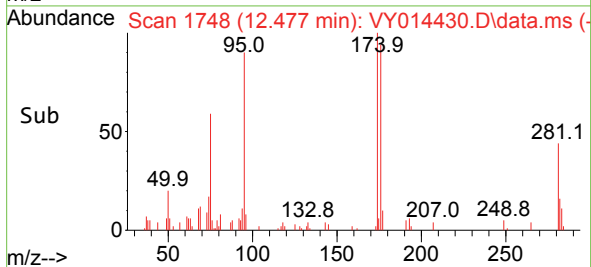
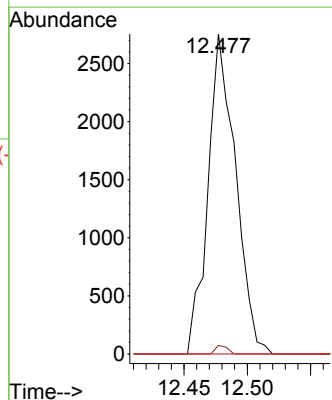
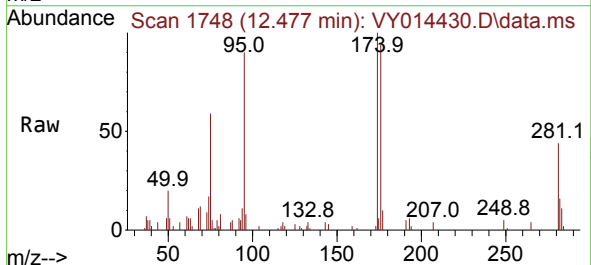
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1651

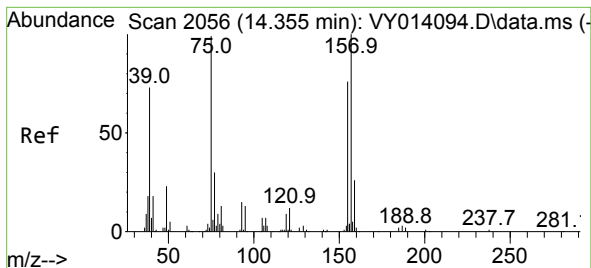
Tgt Ion: 75 Resp: 4191
Ion Ratio Lower Upper
75 100
77 2.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.504 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014430.D
Acq: 26 Jun 2023 13:43

Tgt Ion: 75 Resp: 4191
Ion Ratio Lower Upper
75 100
53 1.1 77.8 116.8#
89 0.0 37.4 56.0#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.108 ug/l
 RT: 14.617 min Scan# 2099
 Delta R.T. 0.262 min
 Lab File: VY014430.D
 Acq: 26 Jun 2023 13:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 ORA-1651

Tgt Ion: 75 Resp: 31
 Ion Ratio Lower Upper
 75 100
 155 0.0 41.5 124.6#
 157 0.0 51.8 155.5#

