

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062723\
 Data File : VY014456.D
 Acq On : 27 Jun 2023 14:25
 Operator : KP/MD
 Sample : 03403-01RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ORA-1652RE

Quant Time: Jun 28 01:56:02 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)

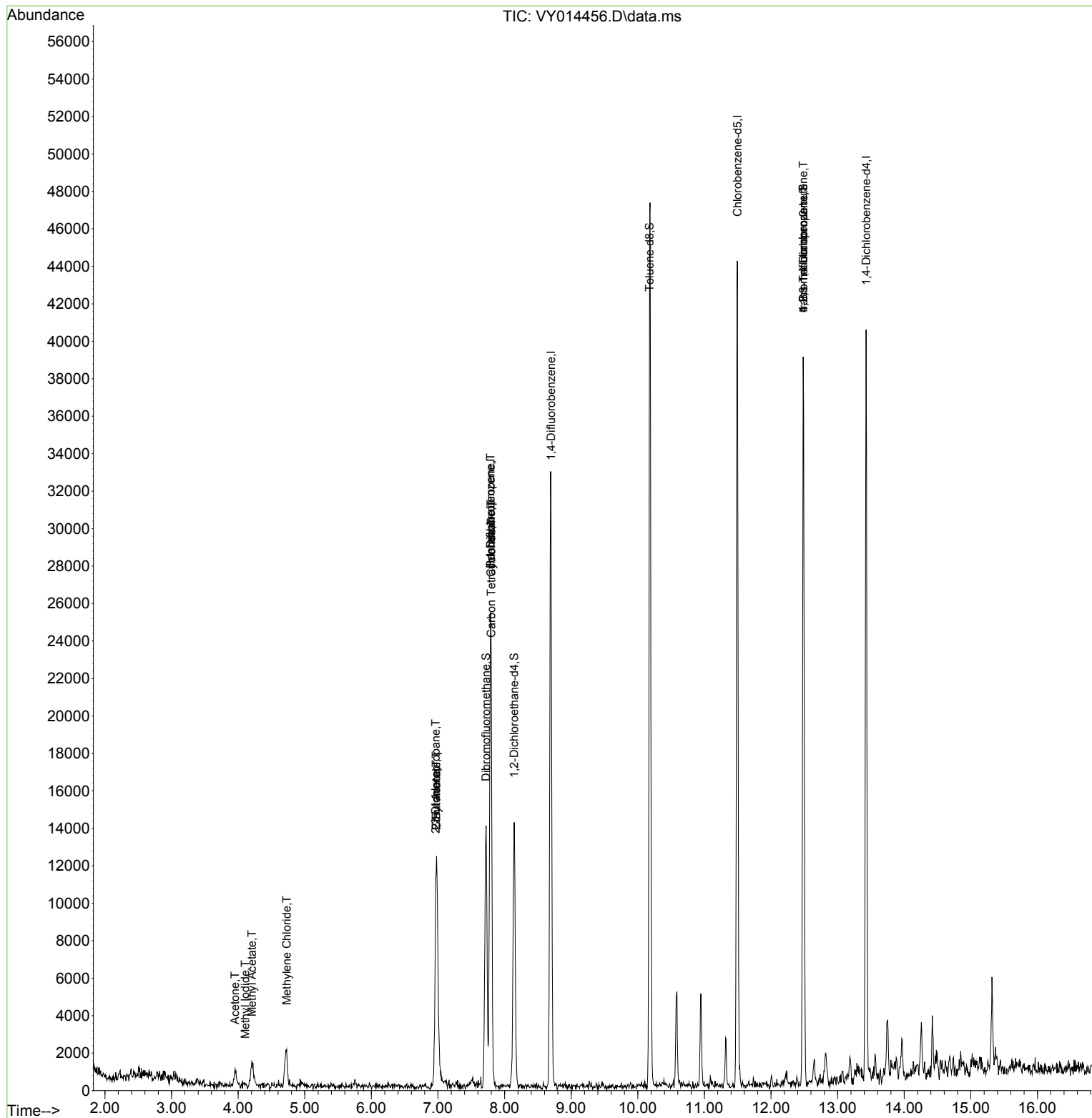
Internal Standards						
1) Pentafluorobenzene	7.789	168	20911	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	28789	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	24780	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	11354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	12593	48.504	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.000%		
35) Dibromofluoromethane	7.722	113	9064	50.960	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.920%		
50) Toluene-d8	10.179	98	32382	45.800	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.600%		
62) 4-Bromofluorobenzene	12.483	95	9225	36.547	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	73.100%		
Target Compounds						Qvalue
10) Methyl Iodide	4.107	142	177	3.528	ug/l #	75
11) Tert butyl alcohol	4.930	59	369	Below Cal	#	89
16) Acetone	3.954	43	1358	16.623	ug/l	95
18) Methyl Acetate	4.204	43	453	1.613	ug/l #	54
20) Methylene Chloride	4.728	84	1546	1.120	ug/l #	83
25) 2-Butanone	6.972	43	638	6.270	ug/l #	49
26) 2,2-Dichloropropane	6.966	77	597	1.555	ug/l #	54
31) Cyclohexane	7.795	56	470	1.466	ug/l #	3
36) 1,1-Dichloropropene	7.789	75	1682	6.137	ug/l #	44
37) Ethyl Acetate	6.972	43	638	3.378	ug/l #	1
38) Carbon Tetrachloride	7.801	117	2104	6.100	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	4884	34.291	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	4884	78.070	ug/l #	10

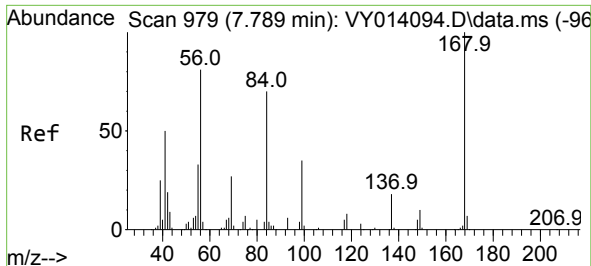
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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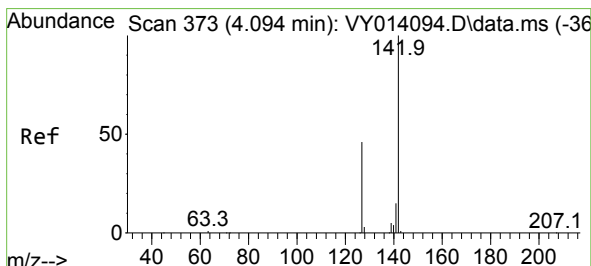
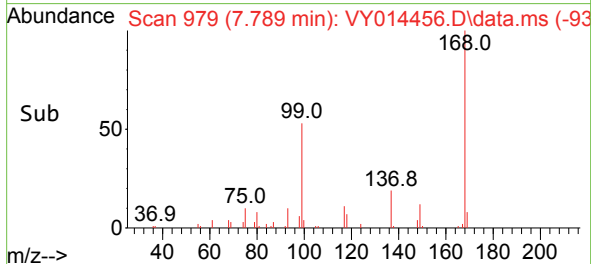
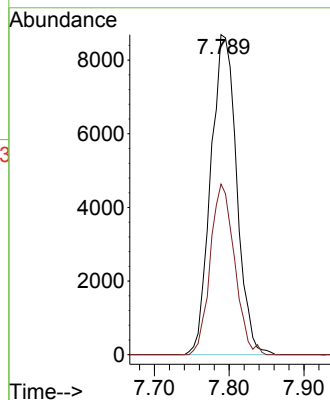
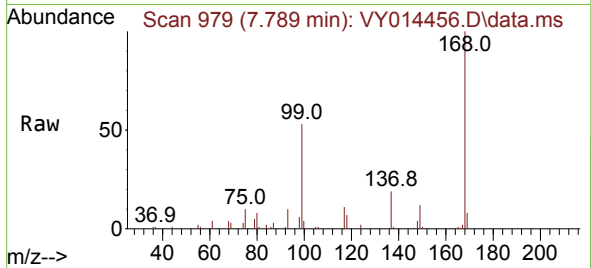




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014456.D
Acq: 27 Jun 2023 14:25

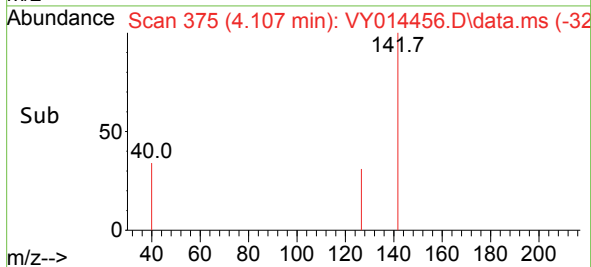
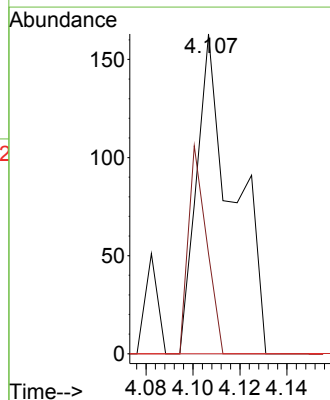
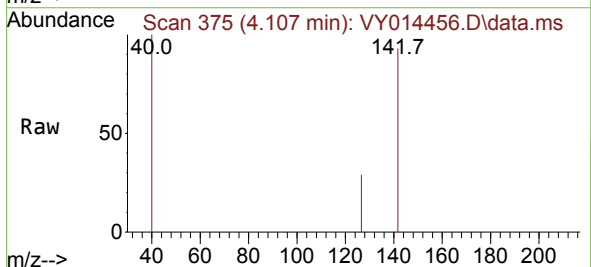
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1652RE

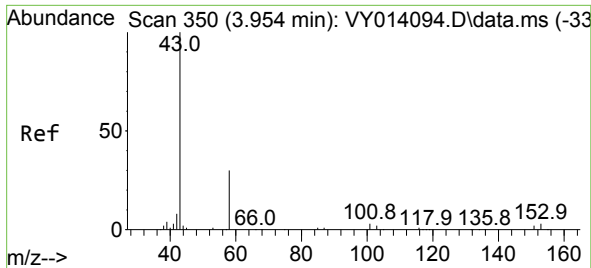
Tgt Ion:168 Resp: 20911
Ion Ratio Lower Upper
168 100
99 53.3 43.4 65.0



#10
Methyl Iodide
Concen: 3.528 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.013 min
Lab File: VY014456.D
Acq: 27 Jun 2023 14:25

Tgt Ion:142 Resp: 177
Ion Ratio Lower Upper
142 100
127 32.2 37.6 56.4#
141 0.0 11.8 17.8#

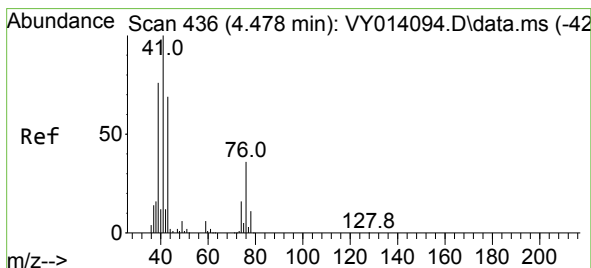
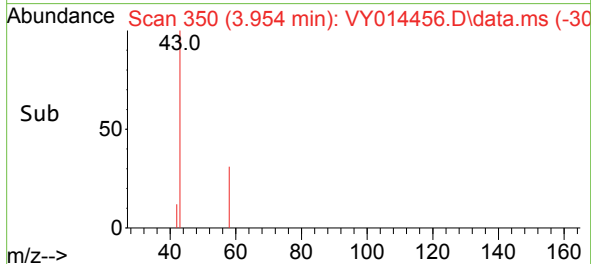
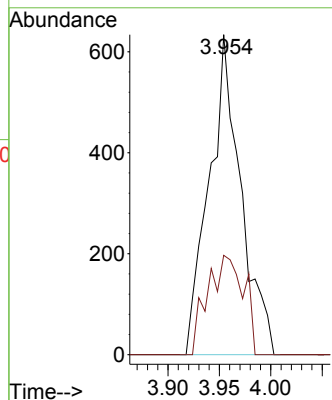
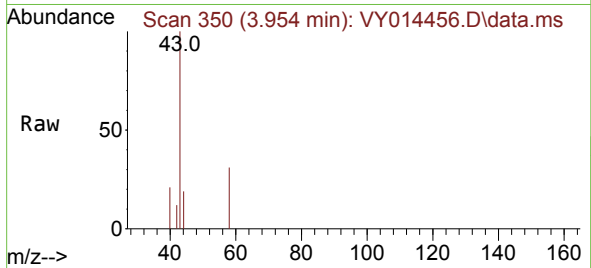




#16
Acetone
Concen: 16.623 ug/l
RT: 3.954 min Scan# 311
Delta R.T. 0.000 min
Lab File: VY014456.D
Acq: 27 Jun 2023 14:25

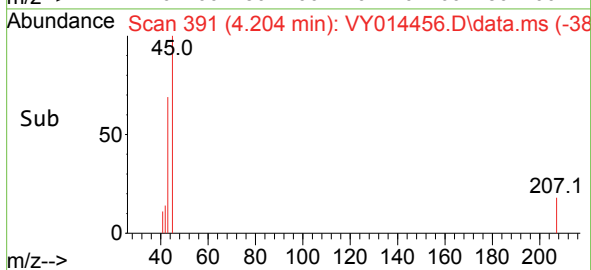
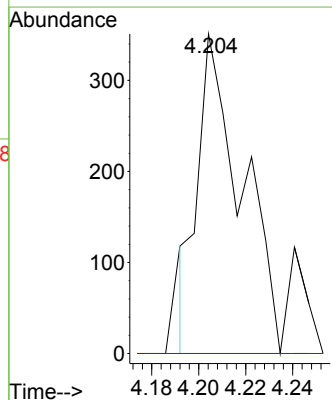
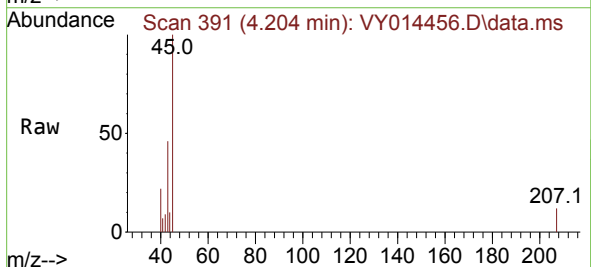
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1652RE

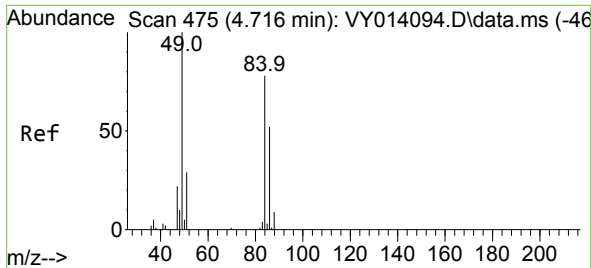
Tgt Ion: 43 Resp: 1358
Ion Ratio Lower Upper
43 100
58 31.1 22.7 34.1



#18
Methyl Acetate
Concen: 1.613 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.274 min
Lab File: VY014456.D
Acq: 27 Jun 2023 14:25

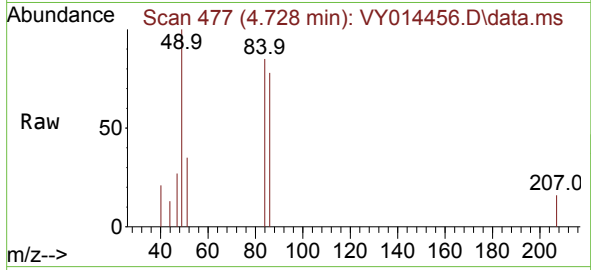
Tgt Ion: 43 Resp: 453
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



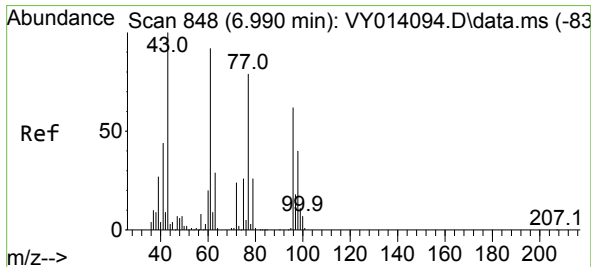
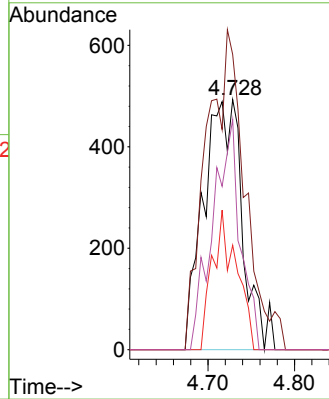
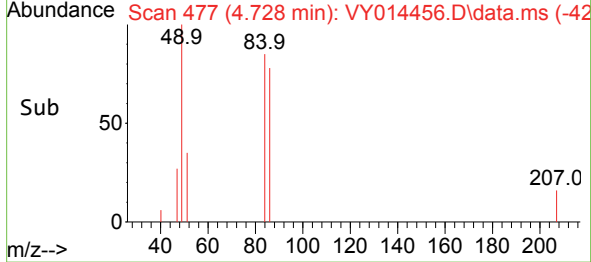


#20
Methylene Chloride
Concen: 1.120 ug/l
RT: 4.728 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY014456.D
Acq: 27 Jun 2023 14:25

Instrument :
MSVOA_Y
ClientSampleId :
ORA-1652RE

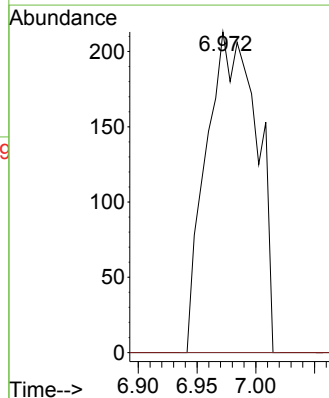
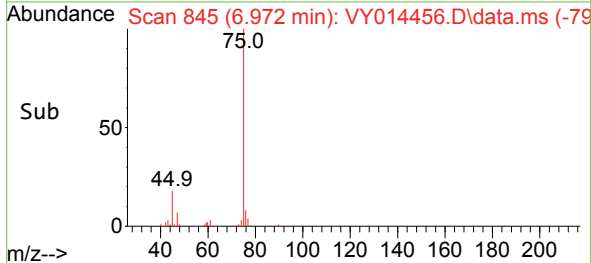
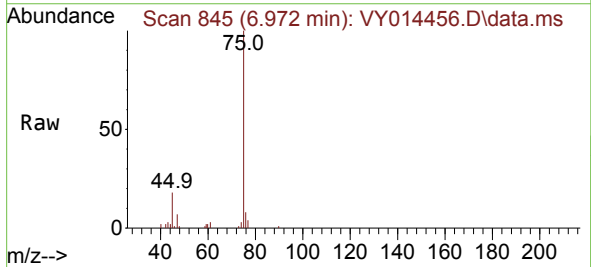


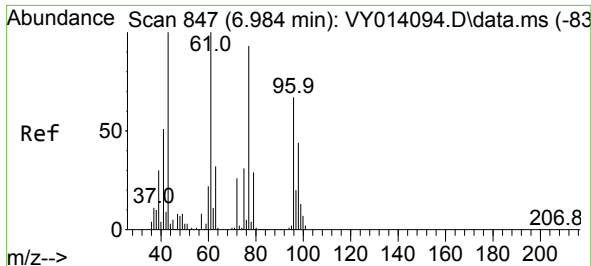
Tgt Ion: 84 Resp: 1546
Ion Ratio Lower Upper
84 100
49 118.1 106.9 160.3
51 41.8 33.2 49.8
86 92.1 51.0 76.6#



#25
2-Butanone
Concen: 6.270 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.018 min
Lab File: VY014456.D
Acq: 27 Jun 2023 14:25

Tgt Ion: 43 Resp: 638
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#

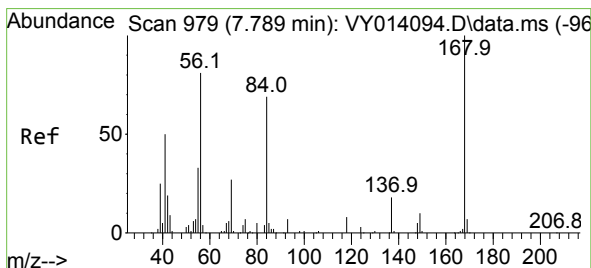
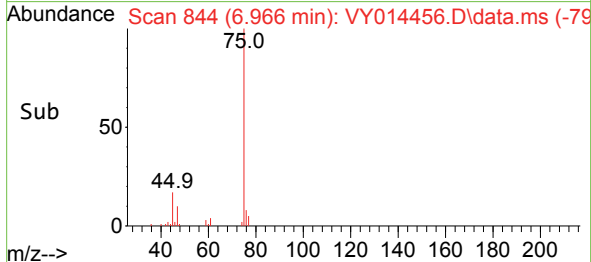
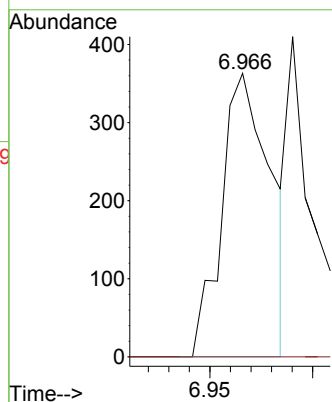
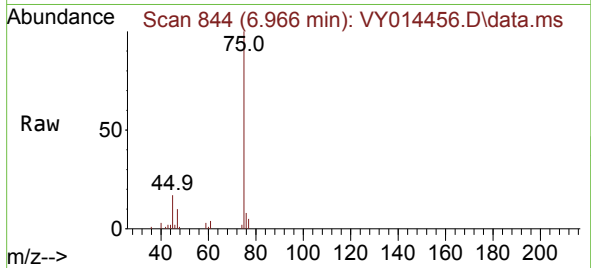




#26
2,2-Dichloropropane
Concen: 1.555 ug/l
RT: 6.966 min Scan# 84
Delta R.T. -0.018 min
Lab File: VY014456.D
Acq: 27 Jun 2023 14:25

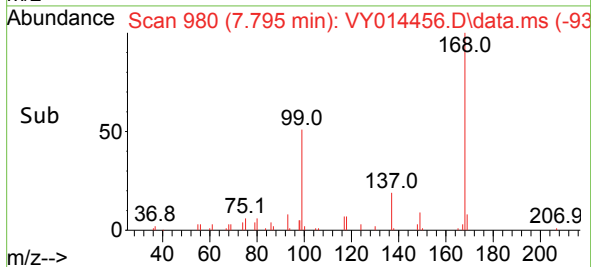
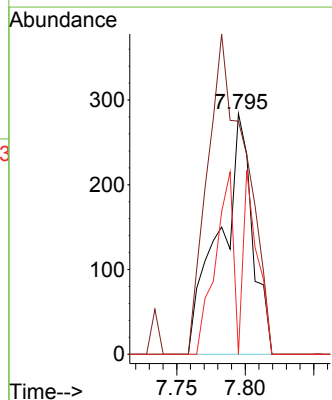
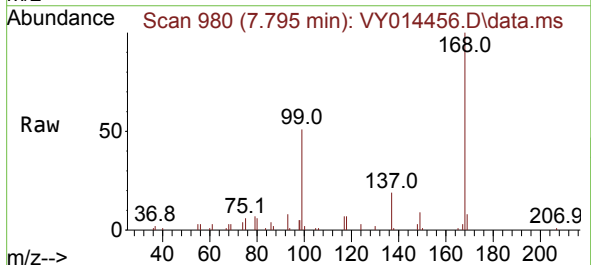
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1652RE

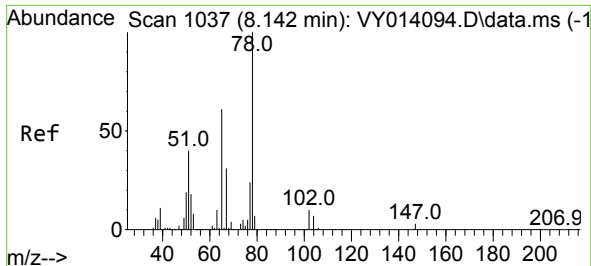
Tgt Ion: 77 Resp: 597
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.466 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY014456.D
Acq: 27 Jun 2023 14:25

Tgt Ion: 56 Resp: 470
Ion Ratio Lower Upper
56 100
69 96.8 27.8 41.6#
84 0.0 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 48.504 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY014456.D

Acq: 27 Jun 2023 14:25

Instrument :

MSVOA_Y

ClientSampleId :

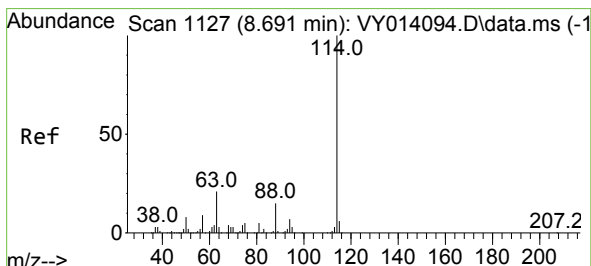
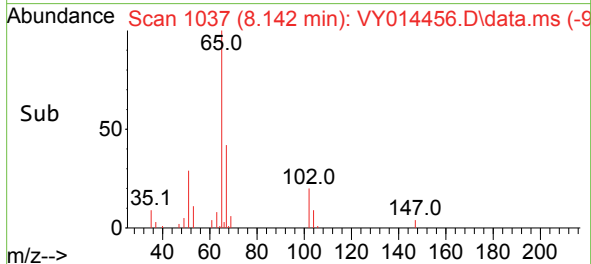
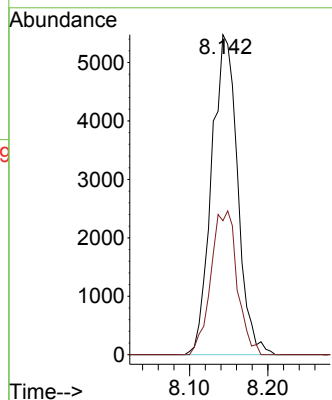
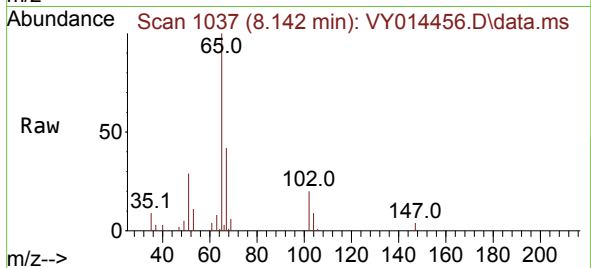
ORA-1652RE

Tgt Ion: 65 Resp: 12593

Ion Ratio Lower Upper

65 100

67 45.6 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY014456.D

Acq: 27 Jun 2023 14:25

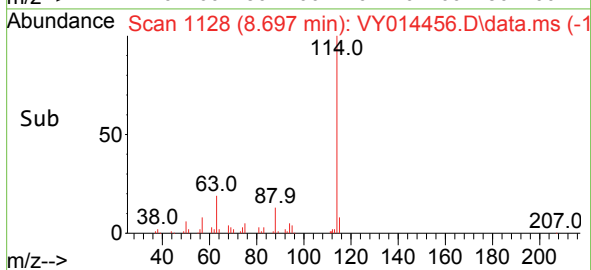
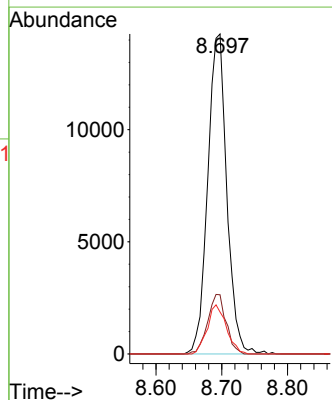
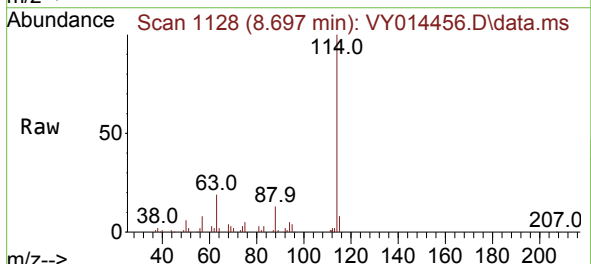
Tgt Ion: 114 Resp: 28789

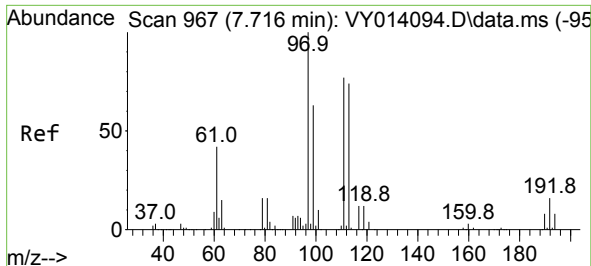
Ion Ratio Lower Upper

114 100

63 18.5 0.0 42.4

88 13.1 0.0 30.6

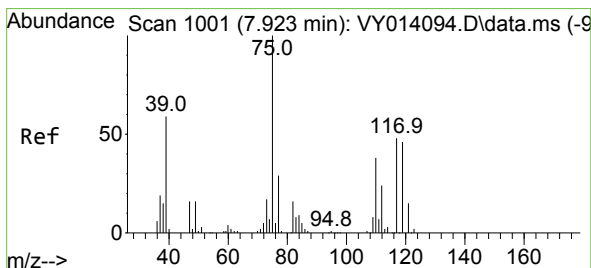
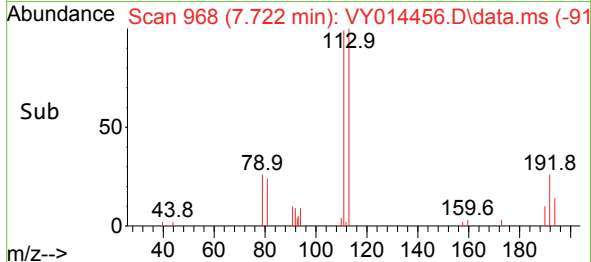
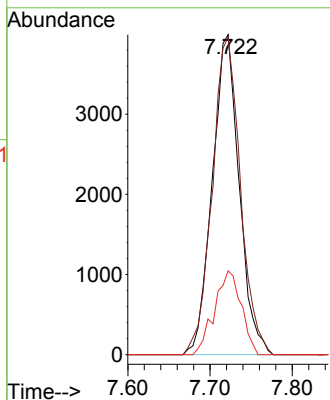
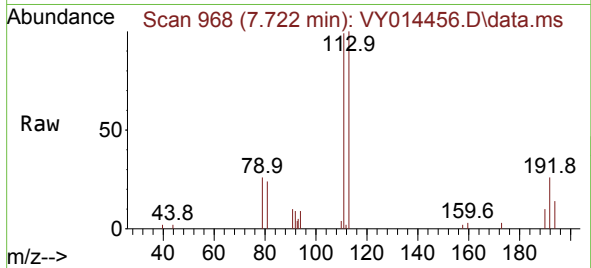




#35
Dibromofluoromethane
Concen: 50.960 ug/l
RT: 7.722 min Scan# 906
Delta R.T. 0.006 min
Lab File: VY014456.D
Acq: 27 Jun 2023 14:25

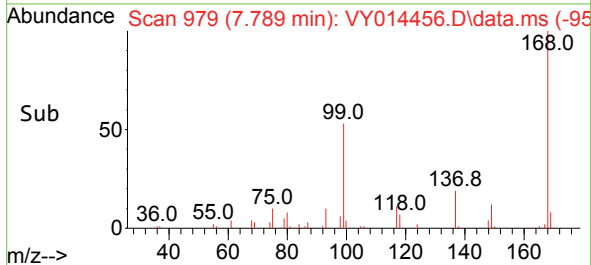
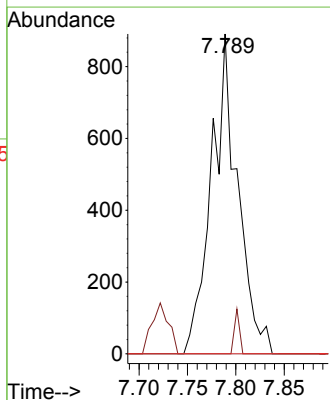
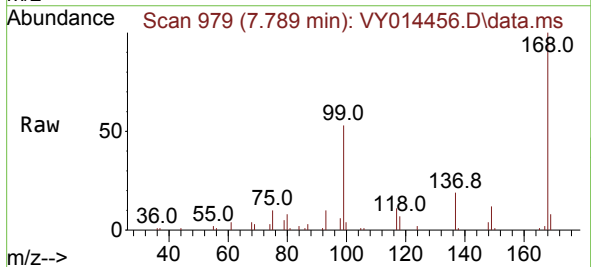
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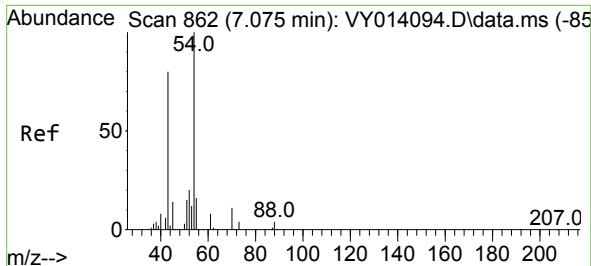
Tgt Ion:113 Resp: 9064
Ion Ratio Lower Upper
113 100
111 104.1 81.3 121.9
192 26.1 16.9 25.3#



#36
1,1-Dichloropropene
Concen: 6.137 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014456.D
Acq: 27 Jun 2023 14:25

Tgt Ion: 75 Resp: 1682
Ion Ratio Lower Upper
75 100
110 2.7 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 3.378 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.103 min

Lab File: VY014456.D

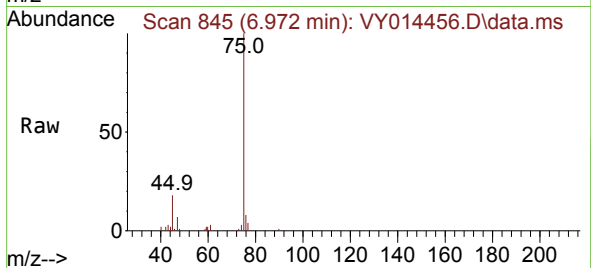
Acq: 27 Jun 2023 14:25

Instrument :

MSVOA_Y

ClientSampleId :

ORA-1652RE



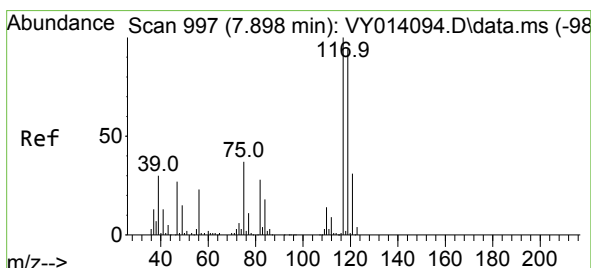
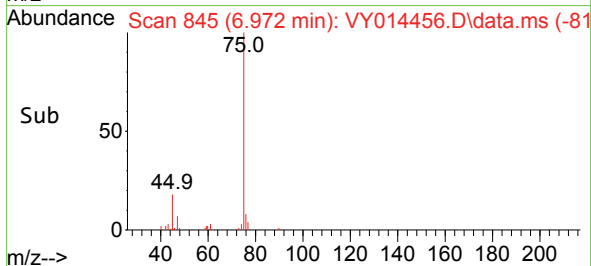
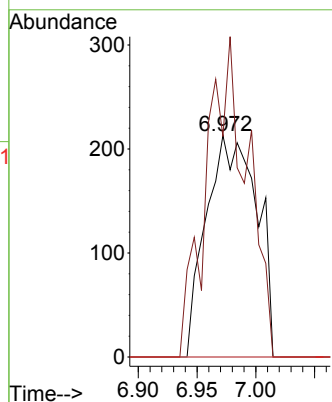
Tgt Ion: 43 Resp: 638

Ion Ratio Lower Upper

43 100

61 117.1 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.100 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.097 min

Lab File: VY014456.D

Acq: 27 Jun 2023 14:25

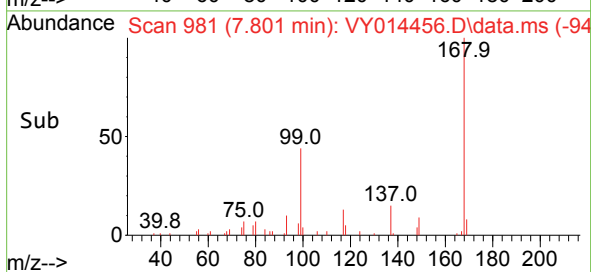
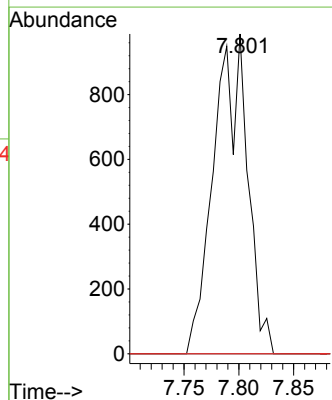
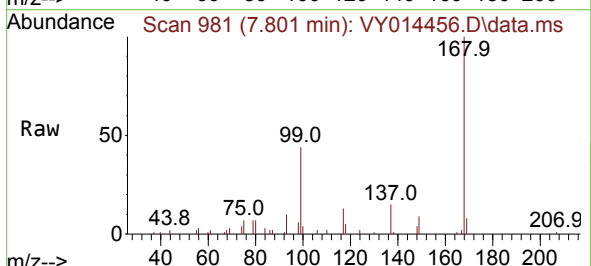
Tgt Ion: 117 Resp: 2104

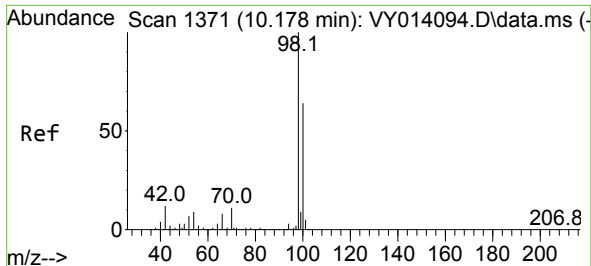
Ion Ratio Lower Upper

117 100

119 0.0 76.4 114.6#

121 0.0 25.8 38.6#

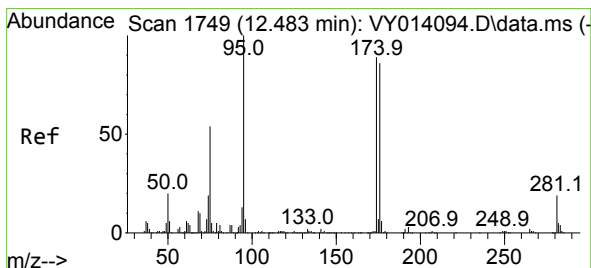
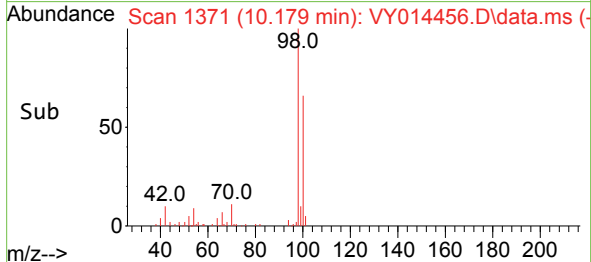
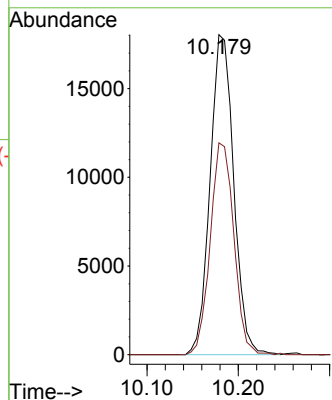
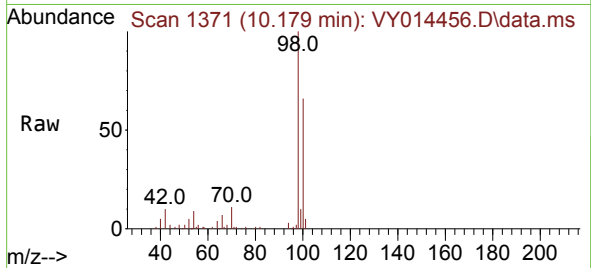




#50
Toluene-d8
Concen: 45.800 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014456.D
Acq: 27 Jun 2023 14:25

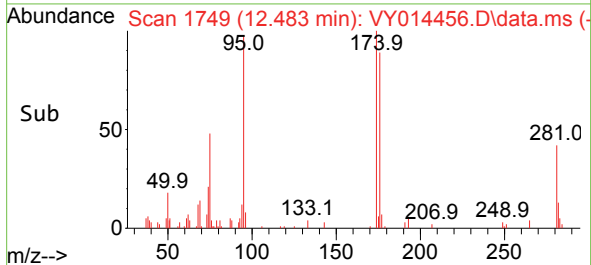
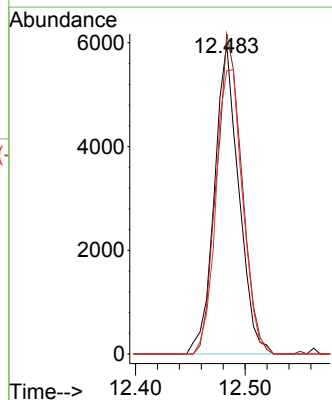
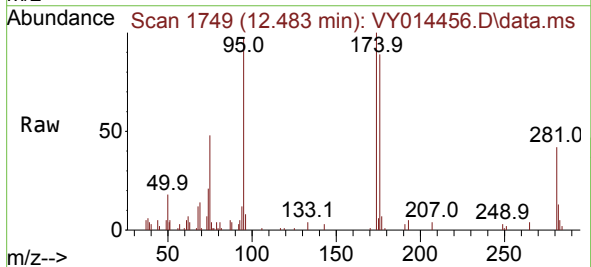
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1652RE

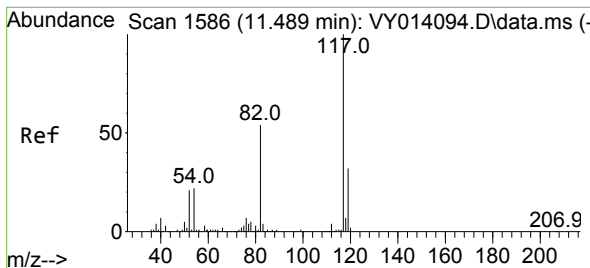
Tgt Ion: 98 Resp: 32382
Ion Ratio Lower Upper
98 100
100 66.1 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 36.547 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014456.D
Acq: 27 Jun 2023 14:25

Tgt Ion: 95 Resp: 9225
Ion Ratio Lower Upper
95 100
174 107.1 0.0 178.2
176 101.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY014456.D

Acq: 27 Jun 2023 14:25

Instrument :

MSVOA_Y

ClientSampleId :

ORA-1652RE

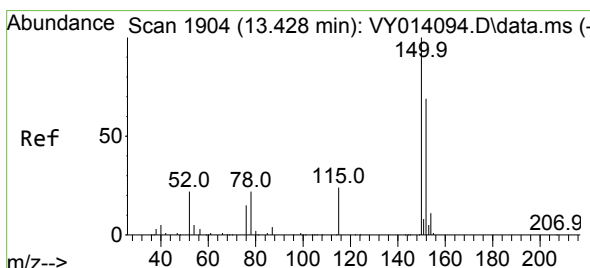
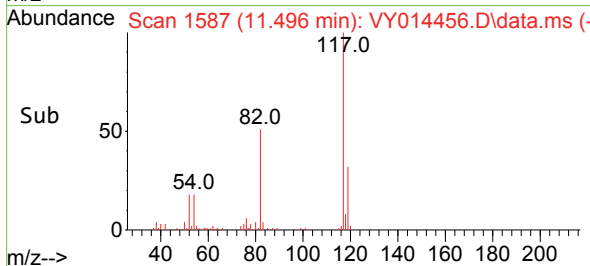
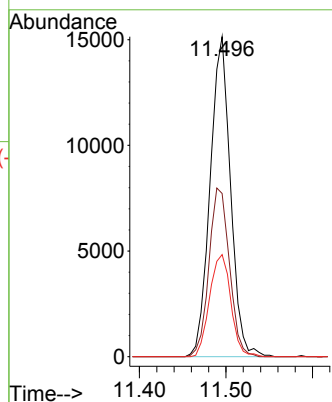
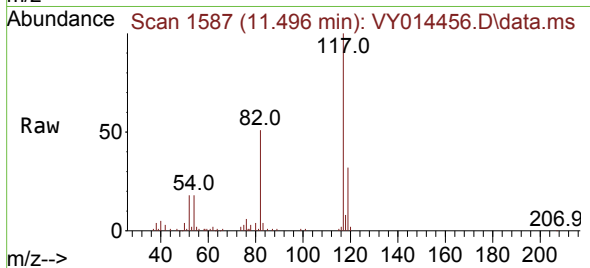
Tgt Ion:117 Resp: 24780

Ion Ratio Lower Upper

117 100

82 51.0 43.4 65.0

119 31.9 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: VY014456.D

Acq: 27 Jun 2023 14:25

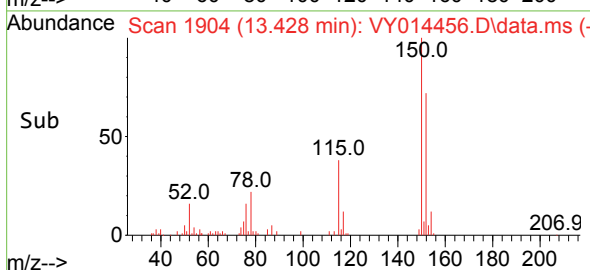
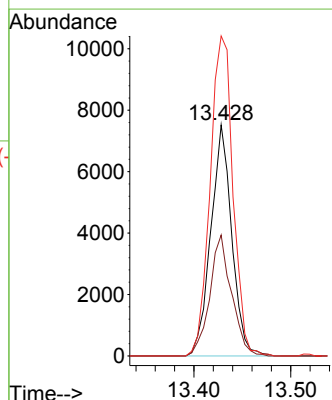
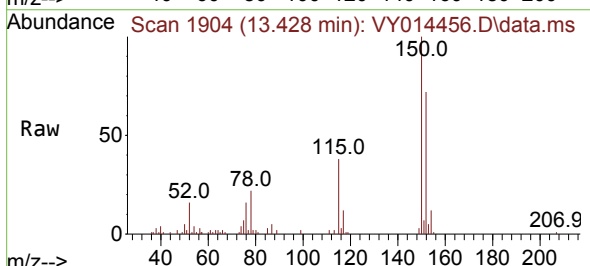
Tgt Ion:152 Resp: 11354

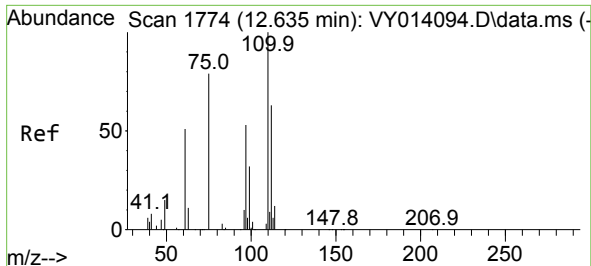
Ion Ratio Lower Upper

152 100

115 54.1 28.8 86.5

150 150.6 0.0 348.8

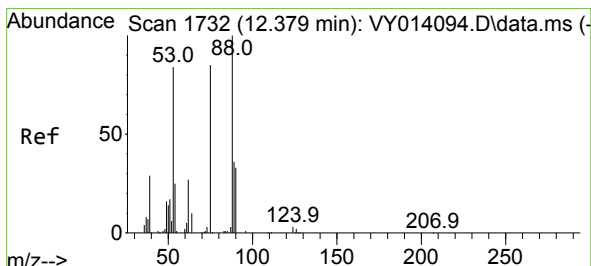
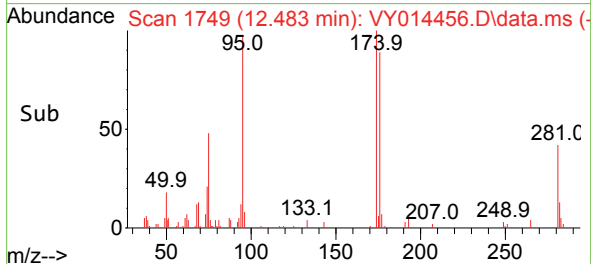
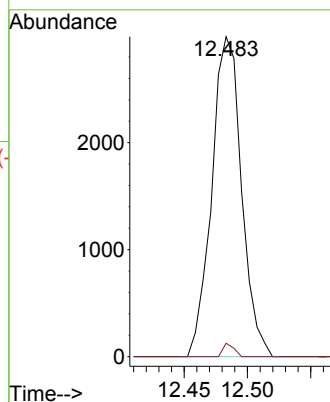
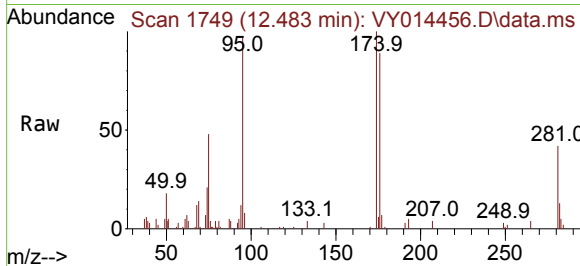




#76
1,2,3-Trichloropropane
Concen: 34.291 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014456.D
Acq: 27 Jun 2023 14:25

Instrument :
MSVOA_Y
ClientSampleId :
ORA-1652RE

Tgt Ion: 75 Resp: 4884
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.070 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014456.D
Acq: 27 Jun 2023 14:25

Tgt Ion: 75 Resp: 4884
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

