

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061223\
 Data File : VY014115.D
 Acq On : 12 Jun 2023 13:12
 Operator : KP/MD
 Sample : 03072-02
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 30100

Quant Time: Jun 13 05:41:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

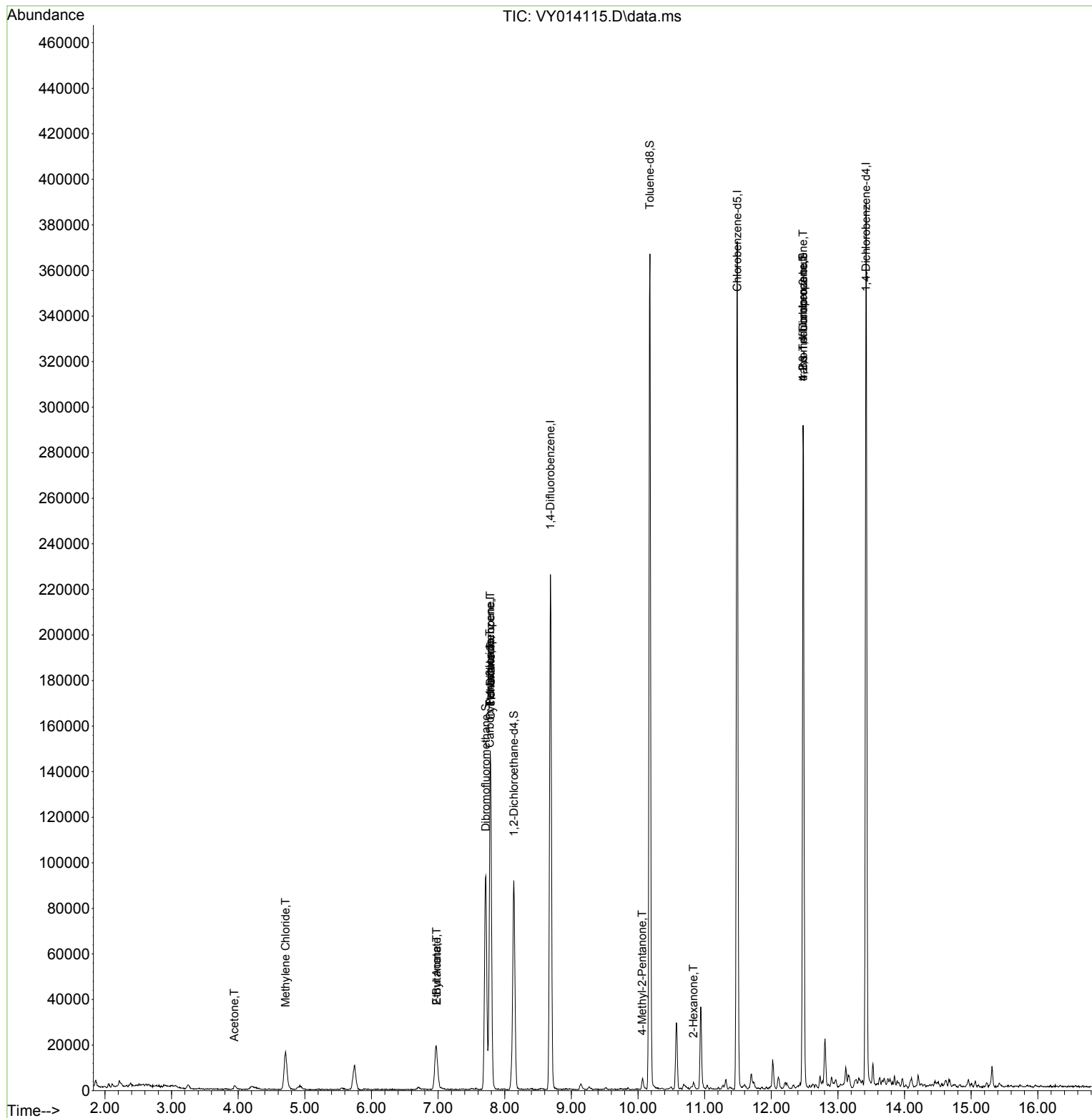
Internal Standards						
1) Pentafluorobenzene	7.783	168	114728	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	190556	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	197260	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	95952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	75184	47.060	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.120%
35) Dibromofluoromethane	7.716	113	63585	47.052	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.100%
50) Toluene-d8	10.179	98	238159	47.139	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.280%
62) 4-Bromofluorobenzene	12.477	95	80946	45.102	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.200%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.918	59	1075	Below Cal	#	89
13) Acrolein	3.454	56	19	Below Cal	#	14
16) Acetone	3.942	43	3104	6.446	ug/l	91
20) Methylene Chloride	4.710	84	11972	4.526	ug/l	98
25) 2-Butanone	6.978	43	2502	4.221	ug/l	94
31) Cyclohexane	7.789	56	2701	1.262	ug/l	# 10
36) 1,1-Dichloropropene	7.783	75	8276	3.928	ug/l	# 52
37) Ethyl Acetate	6.978	43	2502	1.721	ug/l	# 39
38) Carbon Tetrachloride	7.777	117	11400	4.689	ug/l	# 15
51) 4-Methyl-2-Pentanone	10.063	43	3351	2.421	ug/l	92
59) 2-Hexanone	10.831	43	1934	1.934	ug/l	87
76) 1,2,3-Trichloropropane	12.477	75	44706	35.513	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	44706	76.765	ug/l	# 11

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

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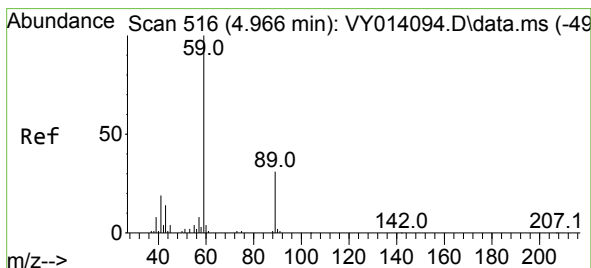
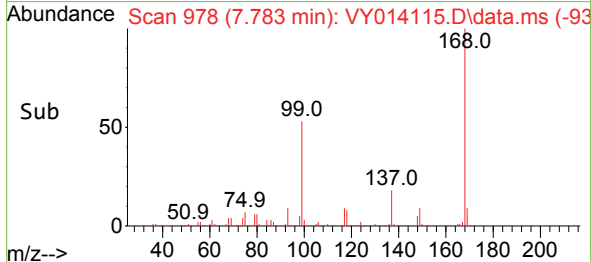
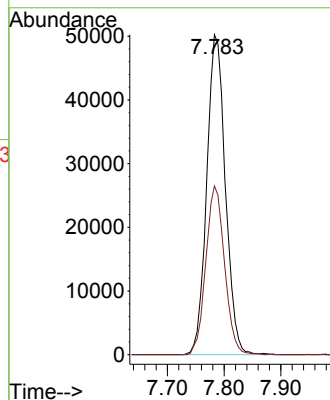
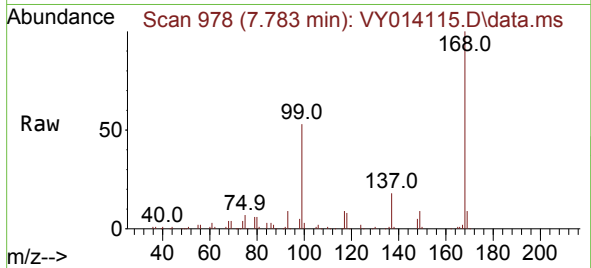




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014115.D
Acq: 12 Jun 2023 13:12

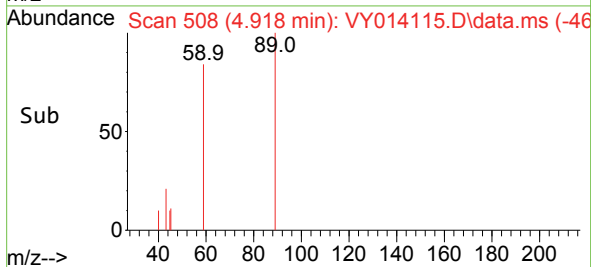
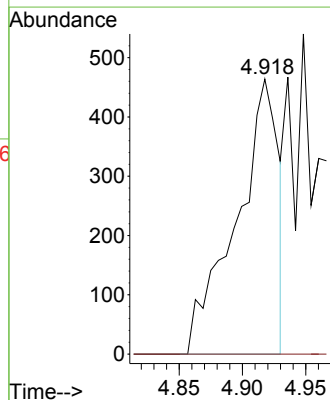
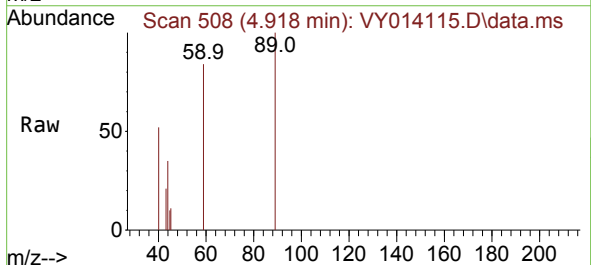
Instrument :
MSVOA_Y
ClientSampleId :
30100

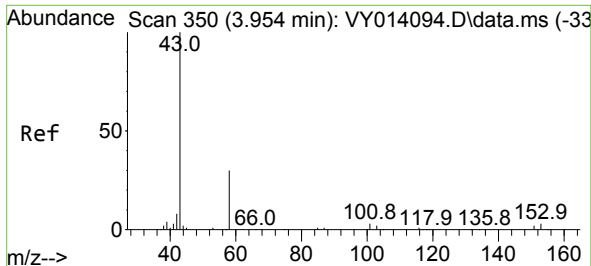
Tgt Ion:168 Resp: 114728
Ion Ratio Lower Upper
168 100
99 52.7 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.048 min
Lab File: VY014115.D
Acq: 12 Jun 2023 13:12

Tgt Ion: 59 Resp: 1075
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

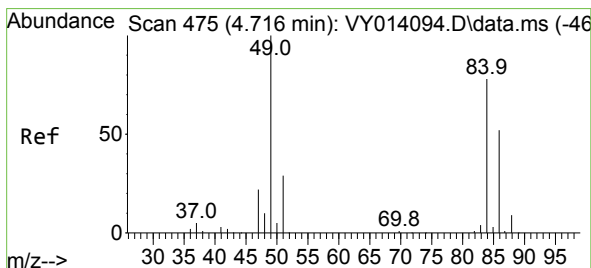
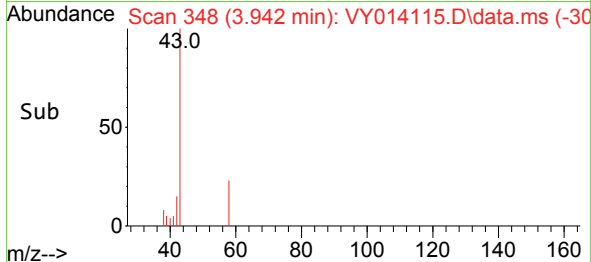
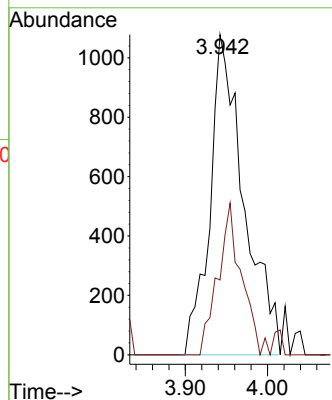
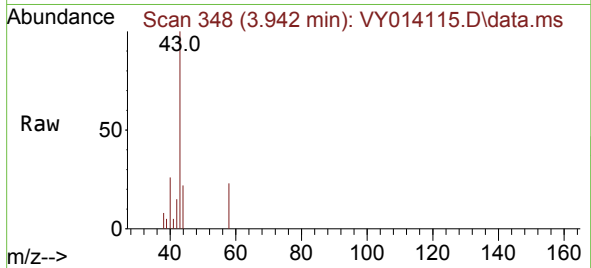




#16
Acetone
Concen: 6.446 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY014115.D
Acq: 12 Jun 2023 13:12

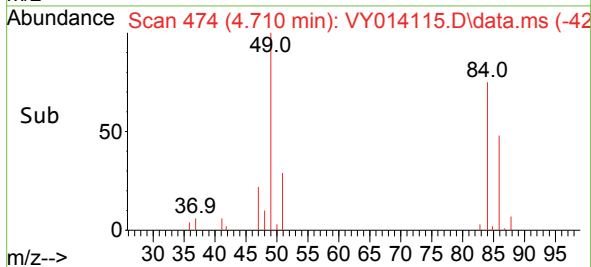
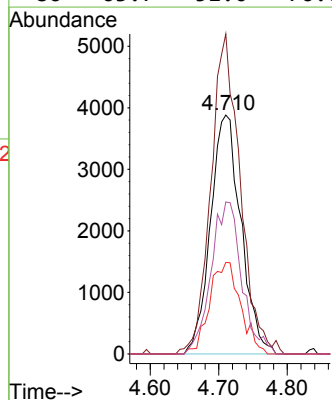
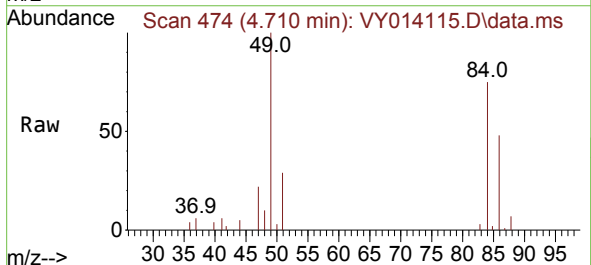
Instrument :
MSVOA_Y
ClientSampleId :
30100

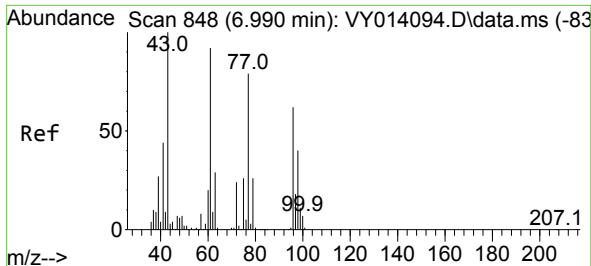
Tgt Ion: 43 Resp: 3104
Ion Ratio Lower Upper
43 100
58 23.4 22.7 34.1



#20
Methylene Chloride
Concen: 4.526 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY014115.D
Acq: 12 Jun 2023 13:12

Tgt Ion: 84 Resp: 11972
Ion Ratio Lower Upper
84 100
49 132.0 106.9 160.3
51 38.3 33.2 49.8
86 63.7 51.0 76.6

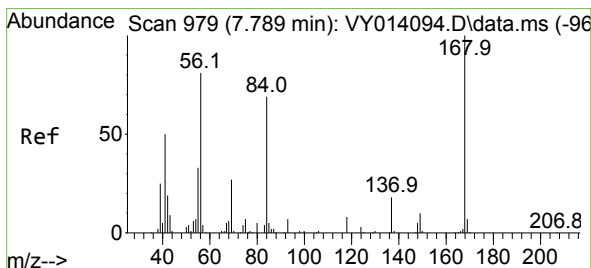
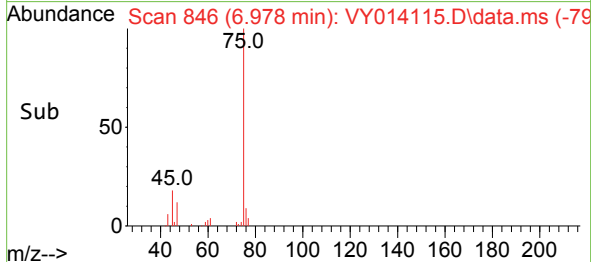
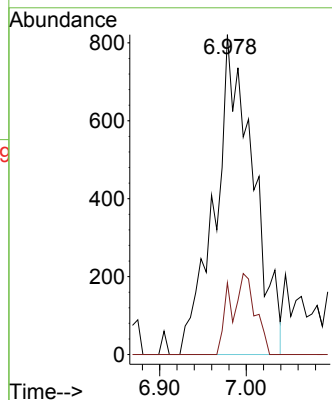
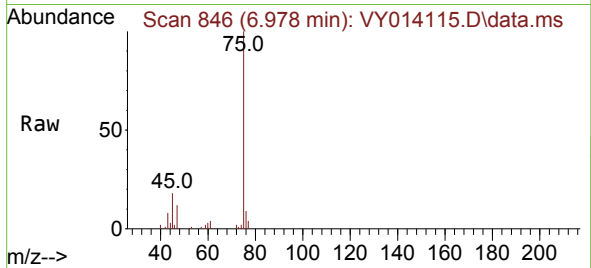




#25
2-Butanone
Concen: 4.221 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY014115.D
Acq: 12 Jun 2023 13:12

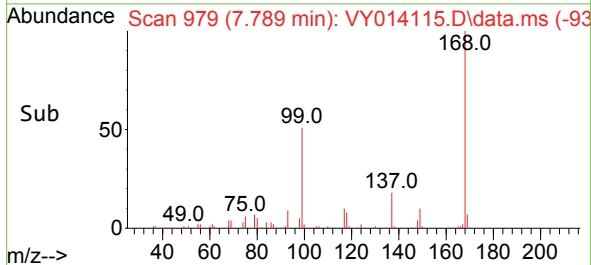
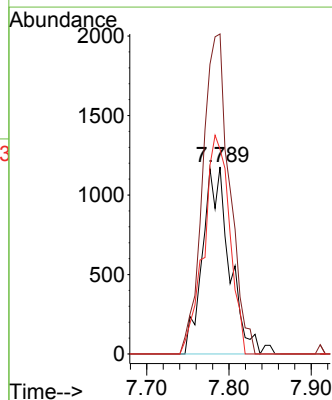
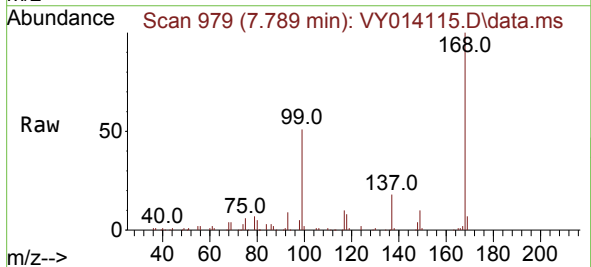
Instrument :
MSVOA_Y
ClientSampleId :
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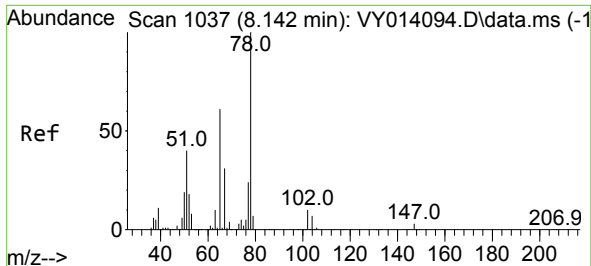
Tgt Ion: 43 Resp: 2502
Ion Ratio Lower Upper
43 100
72 22.4 20.5 30.7



#31
Cyclohexane
Concen: 1.262 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY014115.D
Acq: 12 Jun 2023 13:12

Tgt Ion: 56 Resp: 2701
Ion Ratio Lower Upper
56 100
69 171.0 27.8 41.6#
84 109.3 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 47.060 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.005 min

Lab File: VY014115.D

Acq: 12 Jun 2023 13:12

Instrument :

MSVOA_Y

ClientSampleId :

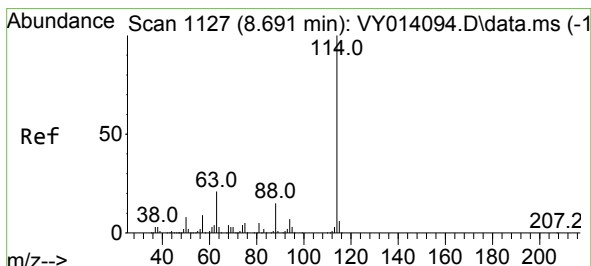
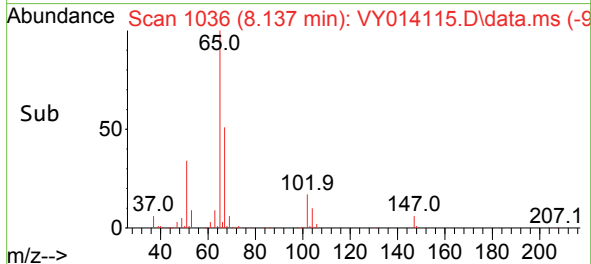
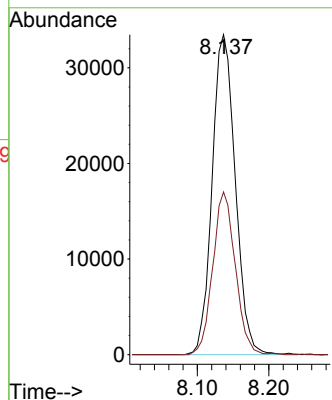
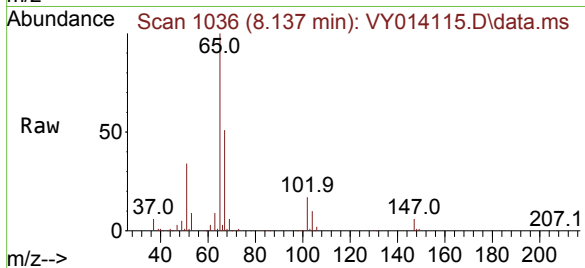
30100

Tgt Ion: 65 Resp: 75184

Ion Ratio Lower Upper

65 100

67 49.5 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: VY014115.D

Acq: 12 Jun 2023 13:12

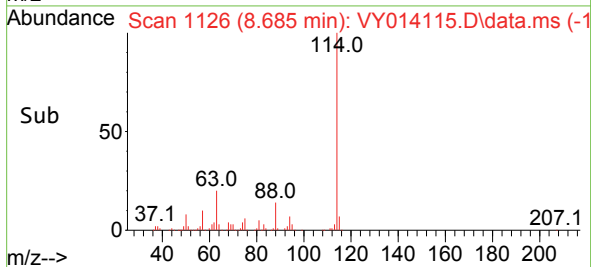
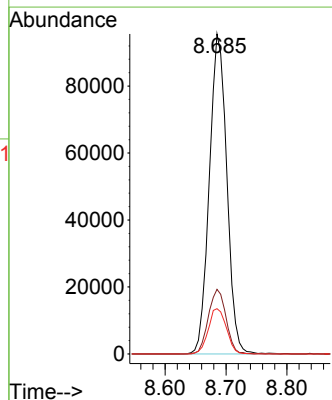
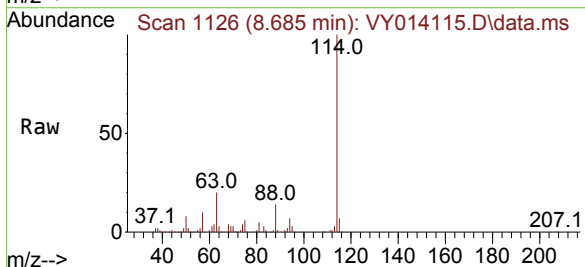
Tgt Ion: 114 Resp: 190556

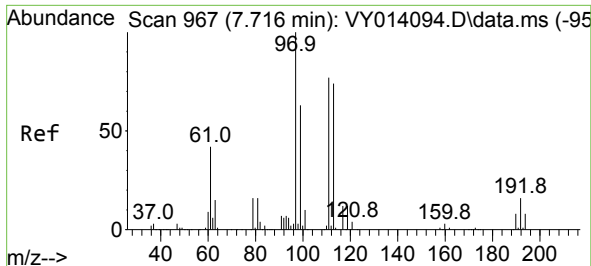
Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.4

88 14.2 0.0 30.6

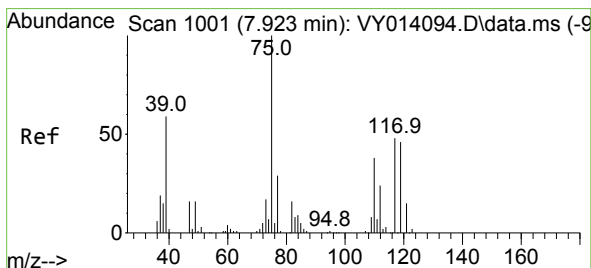
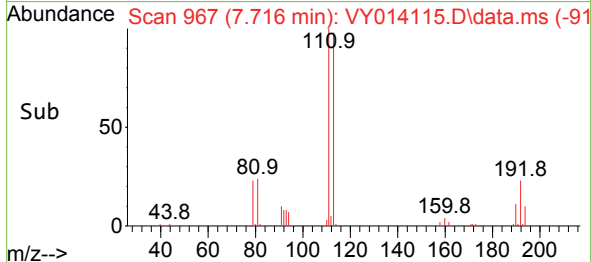
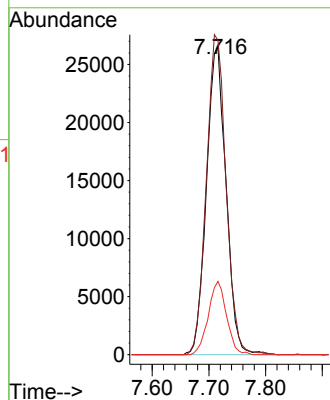
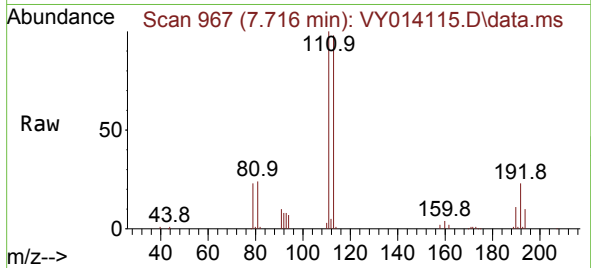




#35
Dibromofluoromethane
Concen: 47.052 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY014115.D
Acq: 12 Jun 2023 13:12

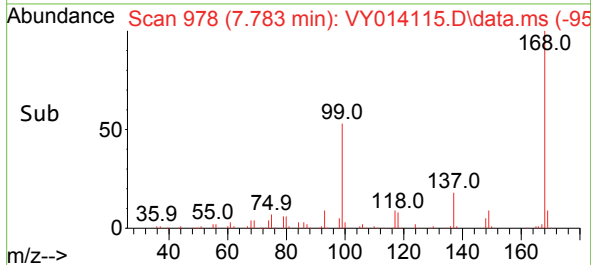
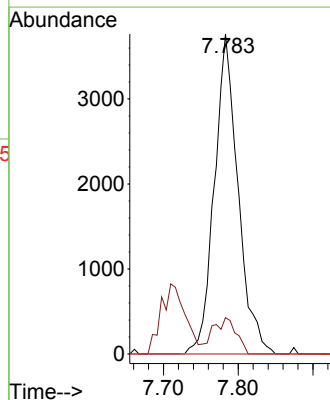
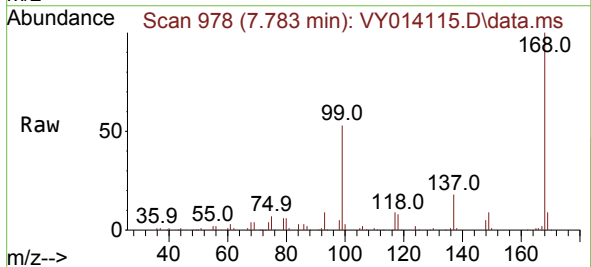
Instrument :
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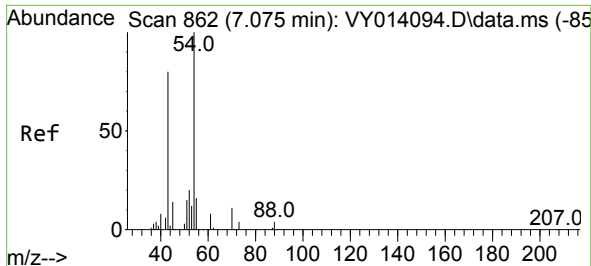
Tgt Ion:113 Resp: 63585
Ion Ratio Lower Upper
113 100
111 104.3 81.3 121.9
192 22.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 3.928 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY014115.D
Acq: 12 Jun 2023 13:12

Tgt Ion: 75 Resp: 8276
Ion Ratio Lower Upper
75 100
110 11.0 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.721 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.097 min

Lab File: VY014115.D

Acq: 12 Jun 2023 13:12

Instrument :

MSVOA_Y

ClientSampleId :

30100

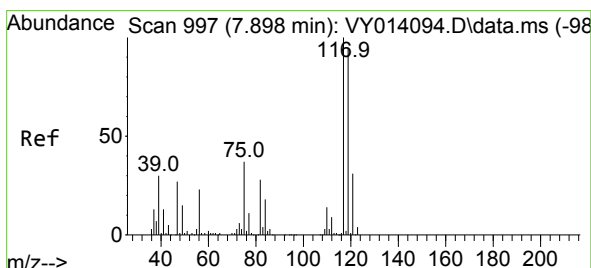
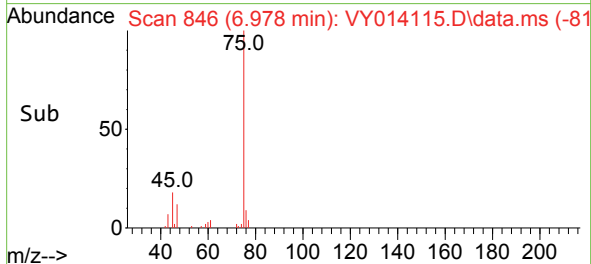
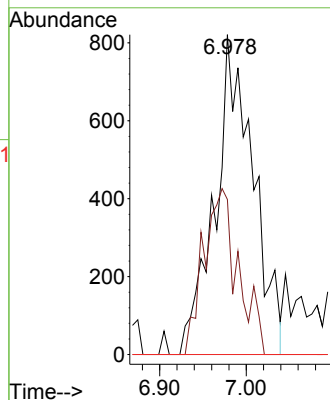
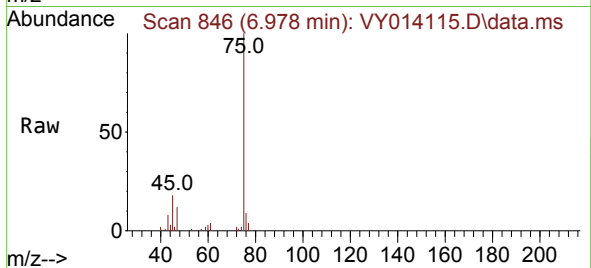
Tgt Ion: 43 Resp: 2502

Ion Ratio Lower Upper

43 100

61 46.8 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 4.689 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.121 min

Lab File: VY014115.D

Acq: 12 Jun 2023 13:12

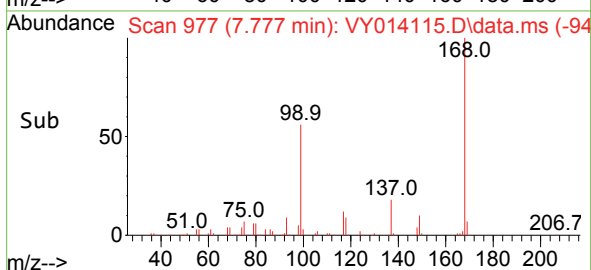
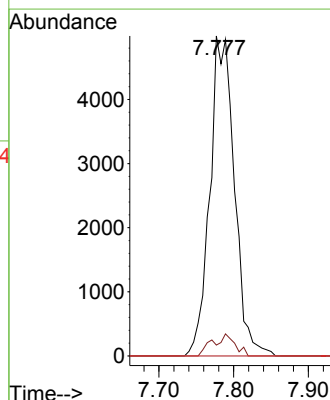
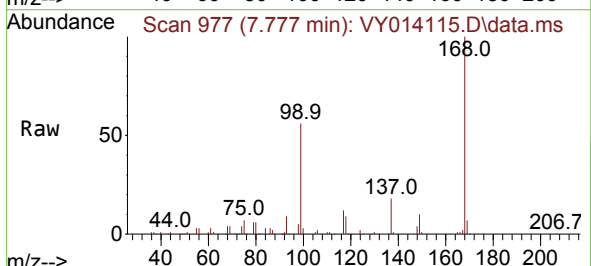
Tgt Ion: 117 Resp: 11400

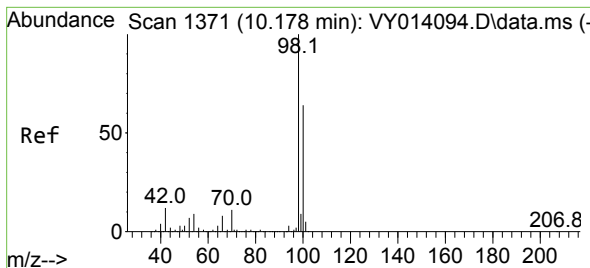
Ion Ratio Lower Upper

117 100

119 3.4 76.4 114.6#

121 0.0 25.8 38.6#

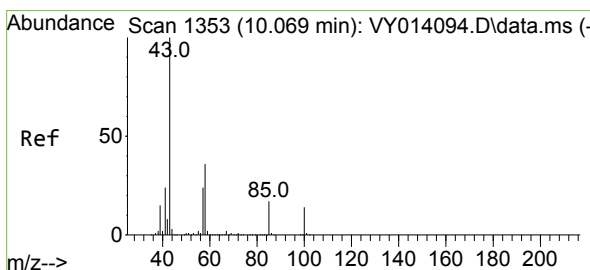
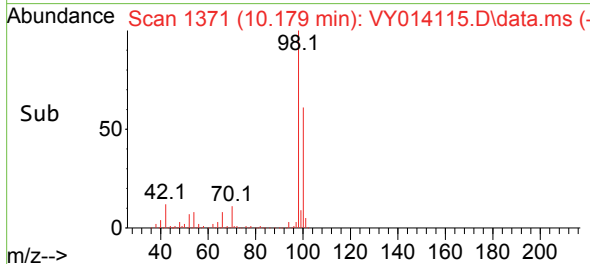
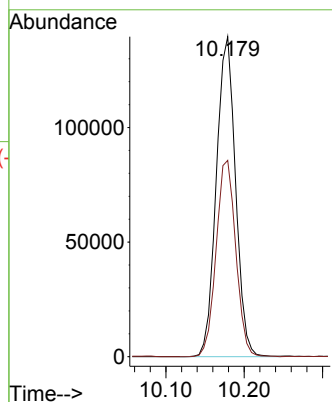
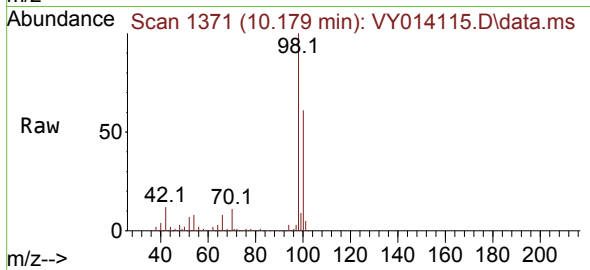




#50
Toluene-d8
Concen: 47.139 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014115.D
Acq: 12 Jun 2023 13:12

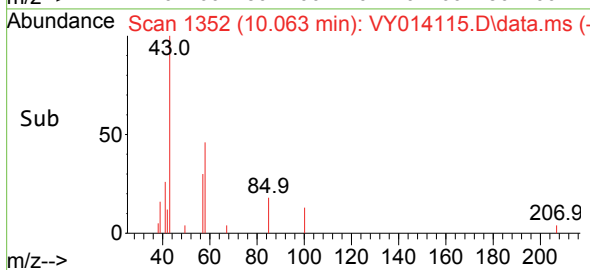
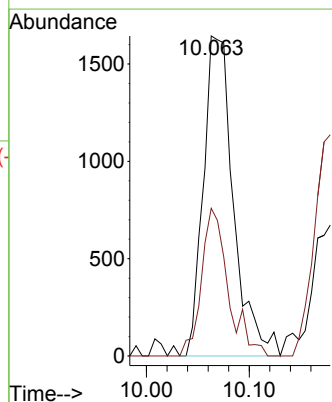
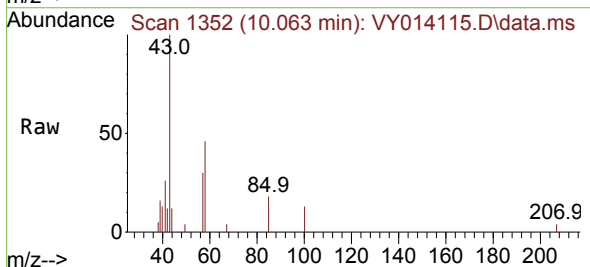
Instrument :
MSVOA_Y
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30100

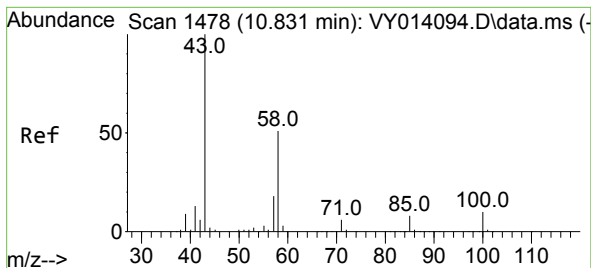
Tgt Ion: 98 Resp: 238159
Ion Ratio Lower Upper
98 100
100 62.8 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 2.421 ug/l
RT: 10.063 min Scan# 1352
Delta R.T. -0.006 min
Lab File: VY014115.D
Acq: 12 Jun 2023 13:12

Tgt Ion: 43 Resp: 3351
Ion Ratio Lower Upper
43 100
58 40.9 29.0 43.6





#59

2-Hexanone

Concen: 1.934 ug/l

RT: 10.831 min Scan# 1478

Delta R.T. 0.000 min

Lab File: VY014115.D

Acq: 12 Jun 2023 13:12

Instrument :

MSVOA_Y

ClientSampleId :

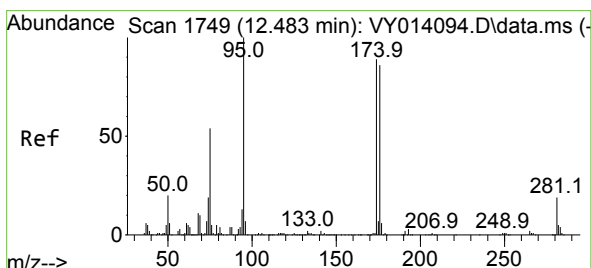
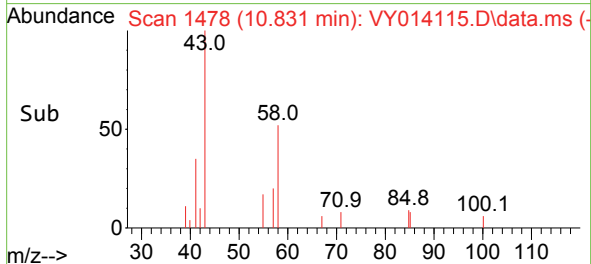
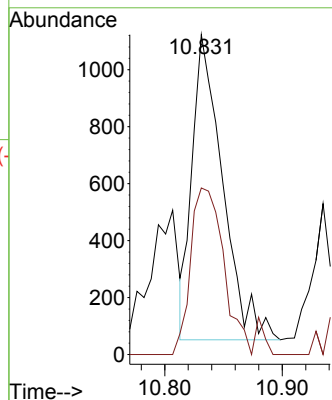
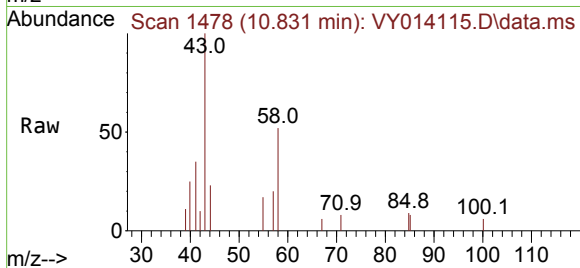
30100

Tgt Ion: 43 Resp: 1934

Ion Ratio Lower Upper

43 100

58 59.2 25.1 75.3



#62

4-Bromofluorobenzene

Concen: 45.102 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY014115.D

Acq: 12 Jun 2023 13:12

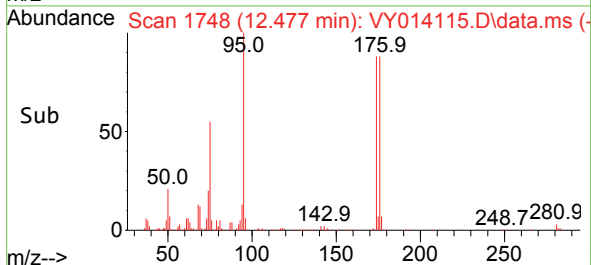
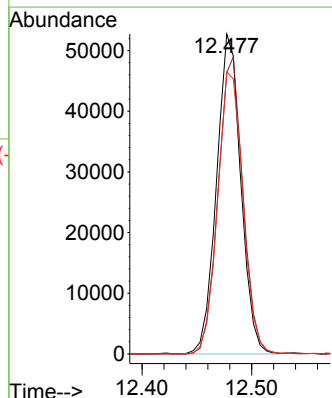
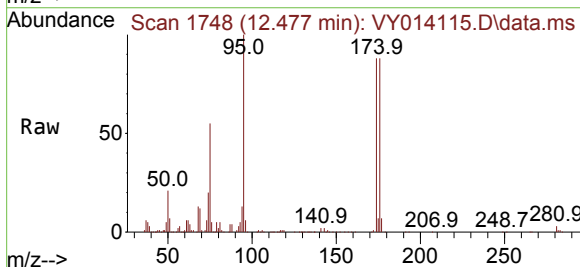
Tgt Ion: 95 Resp: 80946

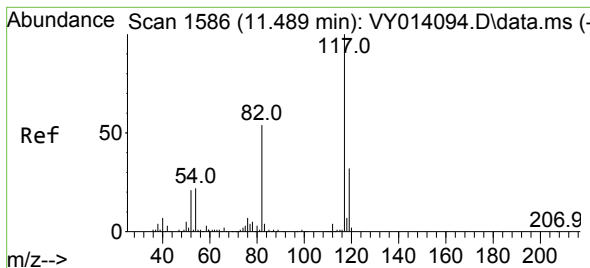
Ion Ratio Lower Upper

95 100

174 95.2 0.0 178.2

176 91.8 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: VY014115.D

Acq: 12 Jun 2023 13:12

Instrument :

MSVOA_Y

ClientSampleId :

30100

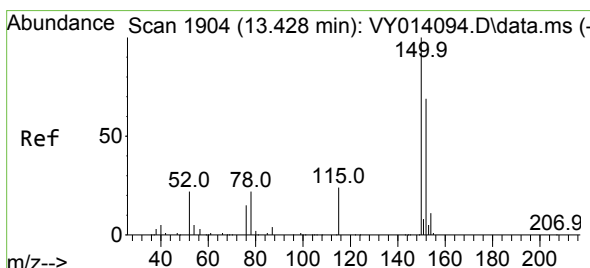
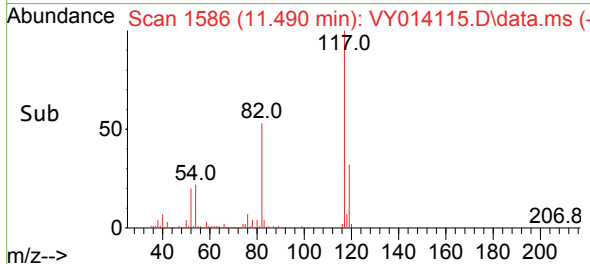
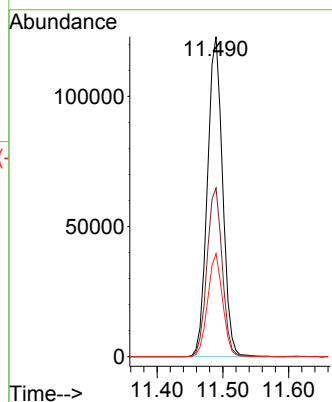
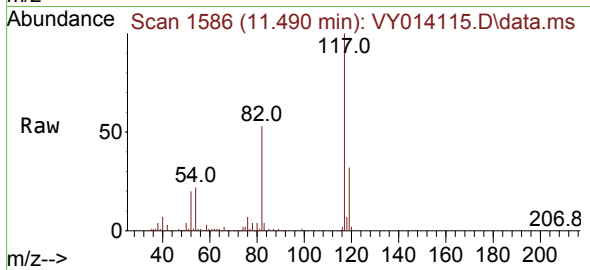
Tgt Ion:117 Resp: 197260

Ion Ratio Lower Upper

117 100

82 52.7 43.4 65.0

119 32.2 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY014115.D

Acq: 12 Jun 2023 13:12

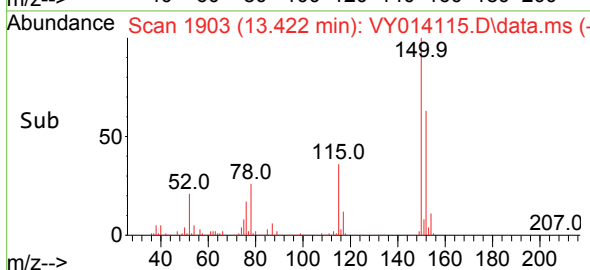
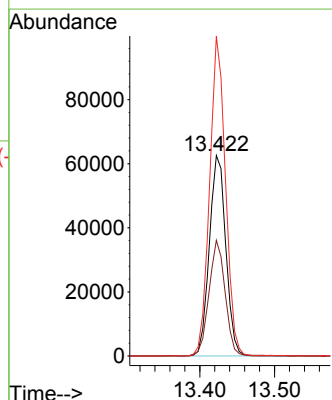
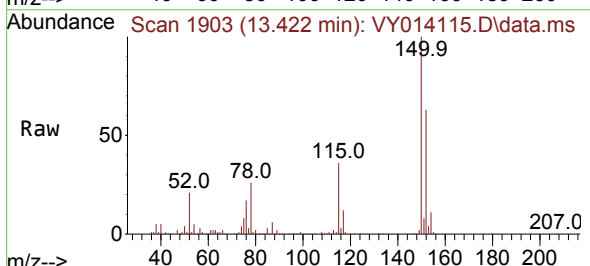
Tgt Ion:152 Resp: 95952

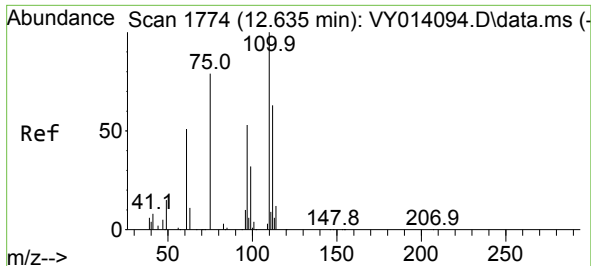
Ion Ratio Lower Upper

152 100

115 56.1 28.8 86.5

150 153.3 0.0 348.8

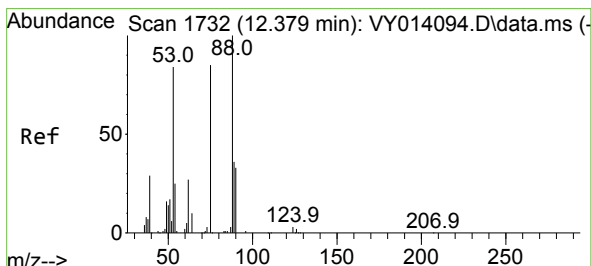
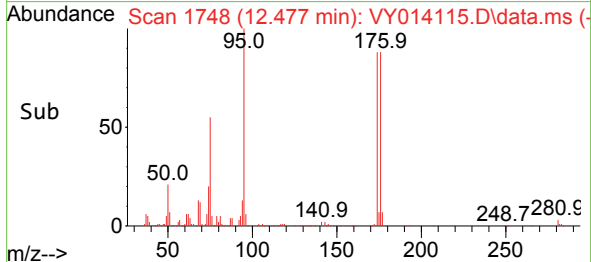
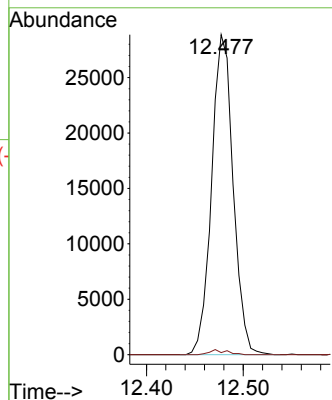
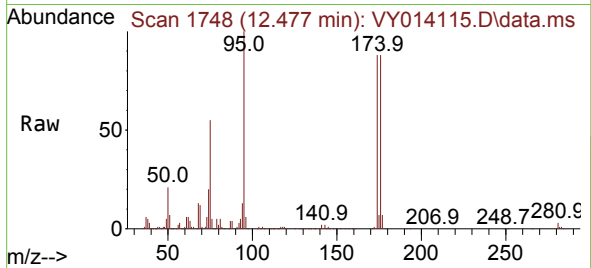




#76
1,2,3-Trichloropropane
Concen: 35.513 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014115.D
Acq: 12 Jun 2023 13:12

Instrument :
MSVOA_Y
ClientSampleId :
30100

Tgt Ion: 75 Resp: 44706
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.765 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014115.D
Acq: 12 Jun 2023 13:12

Tgt Ion: 75 Resp: 44706
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.0 37.4 56.0#

