

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012224\
 Data File : VY017066.D
 Acq On : 22 Jan 2024 10:52
 Operator : SY/MD
 Sample : VY0122SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 23 01:42:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.826	168	105904	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.722	114	224095	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.514	117	211238	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.447	152	77944	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	47334	45.222	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.440%
35) Dibromofluoromethane	7.752	113	53046	37.147	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	74.300%
50) Toluene-d8	10.209	98	197703	40.205	ug/l	0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	=	80.400%
62) 4-Bromofluorobenzene	12.502	95	60200	36.285	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.580%

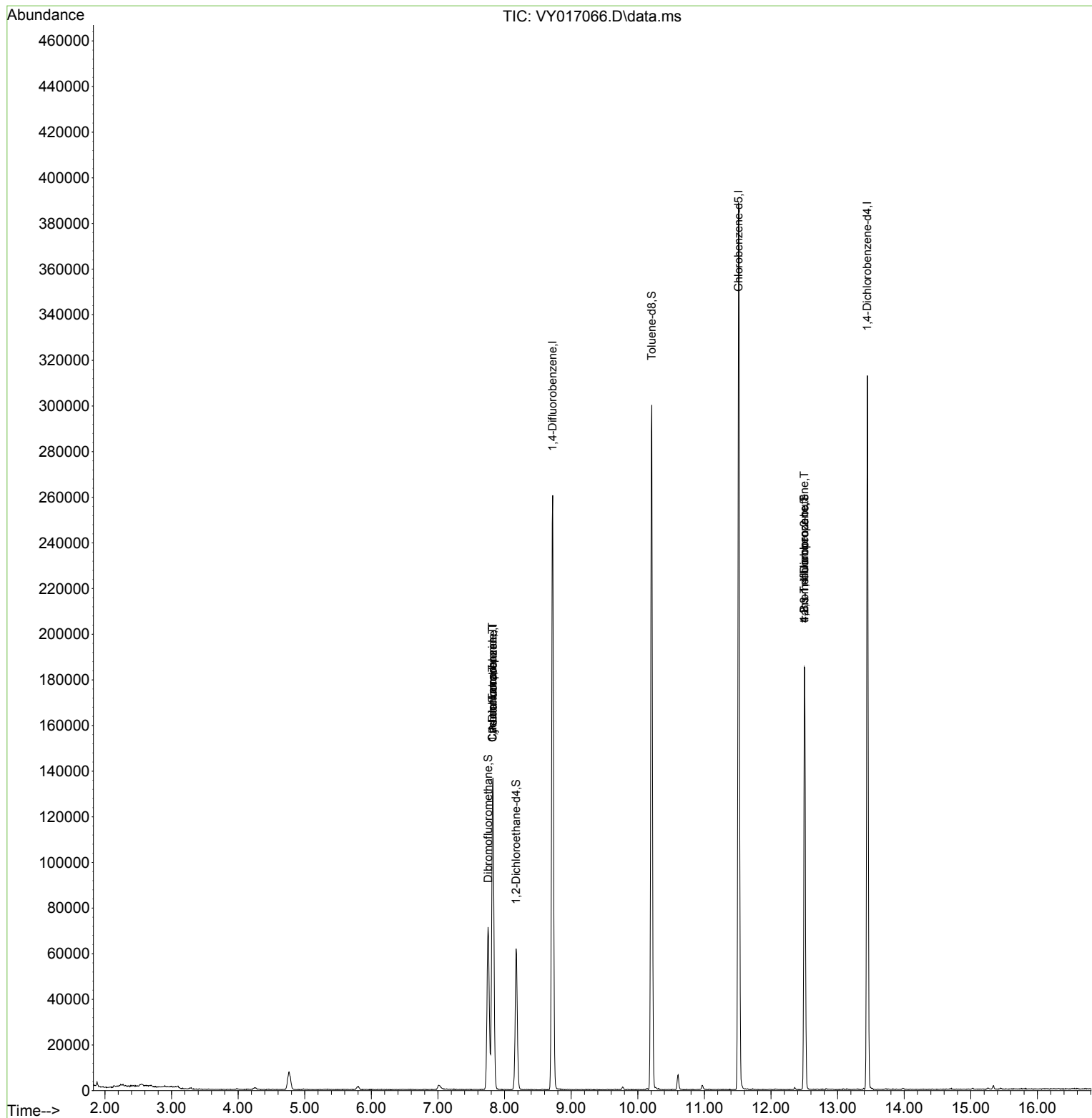
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.924	85	21	Below Cal	# 40
11) Tert butyl alcohol	4.979	59	80	Below Cal	# 75
16) Acetone	3.979	43	334	Below Cal	# 76
20) Methylene Chloride	4.765	84	5999	Below Cal	# 96
25) 2-Butanone	7.021	43	46	Below Cal	# 48
31) Cyclohexane	7.820	56	2290	1.275 ug/l	# 1
36) 1,1-Dichloropropene	7.820	75	8471	4.070 ug/l	# 50
38) Carbon Tetrachloride	7.820	117	10570	4.999 ug/l	# 15
76) 1,2,3-Trichloropropane	12.502	75	32102	37.953 ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.502	75	32102	86.182 ug/l	# 12

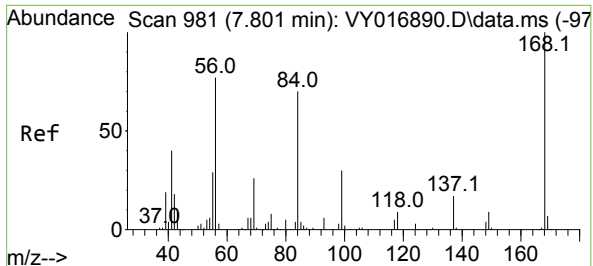
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

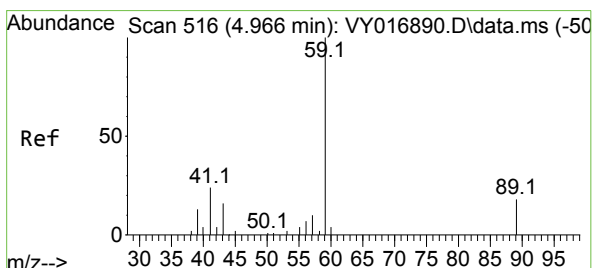
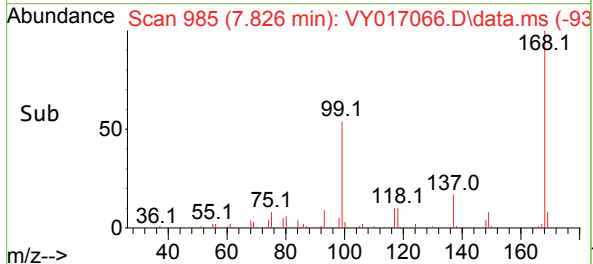
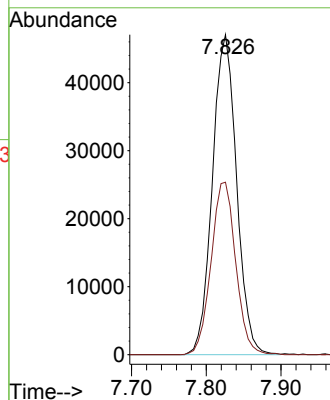
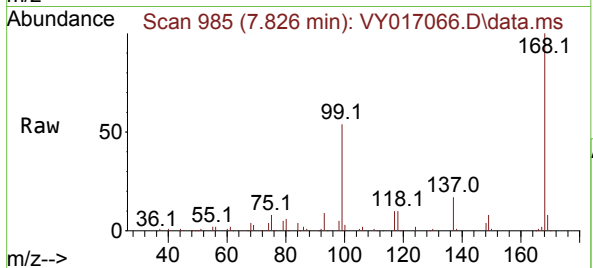




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.826 min Scan# 91
Delta R.T. 0.025 min
Lab File: VY017066.D
Acq: 22 Jan 2024 10:52

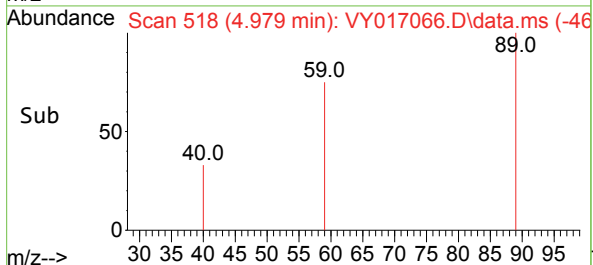
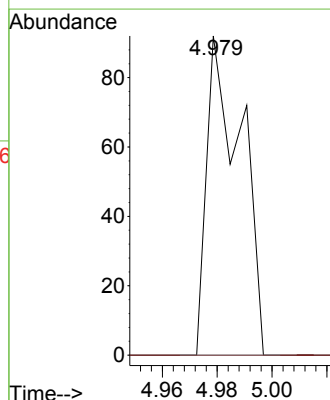
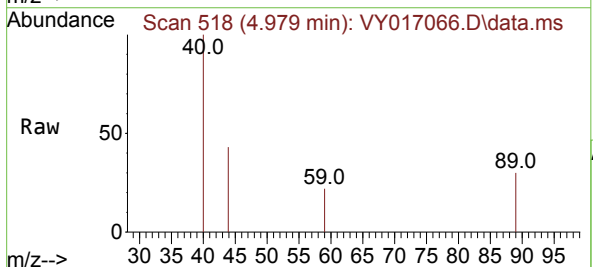
Instrument :
MSVOA_Y
ClientSampleId :

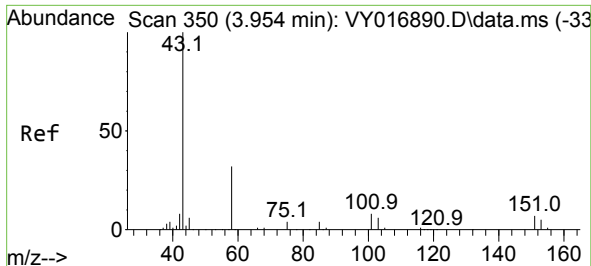
Tgt Ion:168 Resp: 105904
Ion Ratio Lower Upper
168 100
99 53.9 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.979 min Scan# 518
Delta R.T. 0.013 min
Lab File: VY017066.D
Acq: 22 Jan 2024 10:52

Tgt Ion: 59 Resp: 80
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

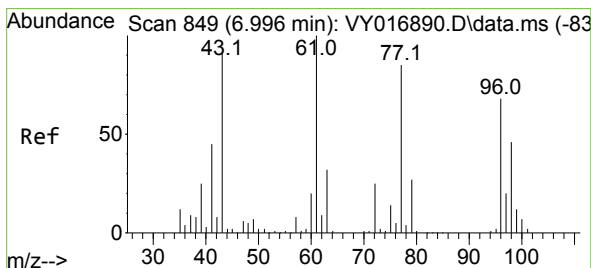
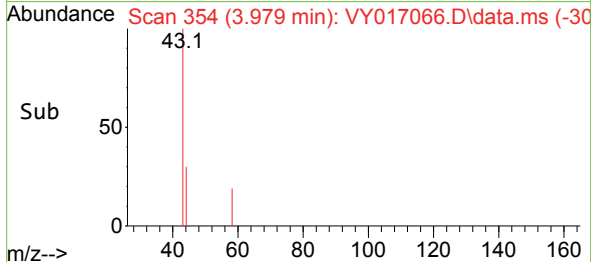
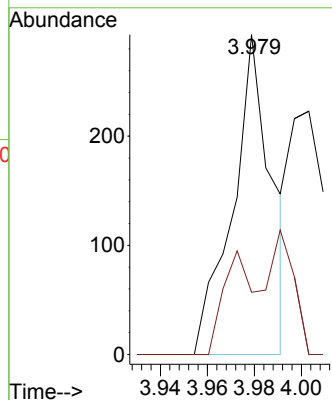
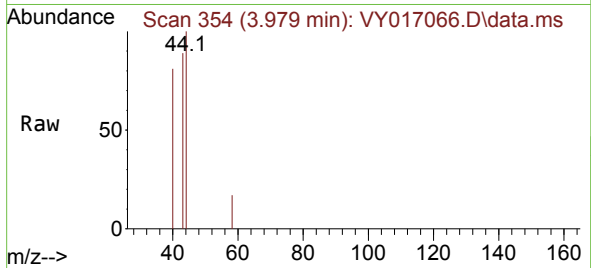




#16
Acetone
Concen: Below Cal
RT: 3.979 min Scan# 311
Delta R.T. 0.019 min
Lab File: VY017066.D
Acq: 22 Jan 2024 10:52

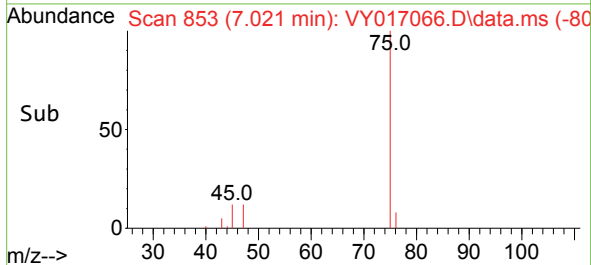
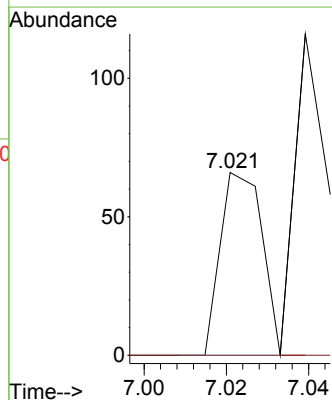
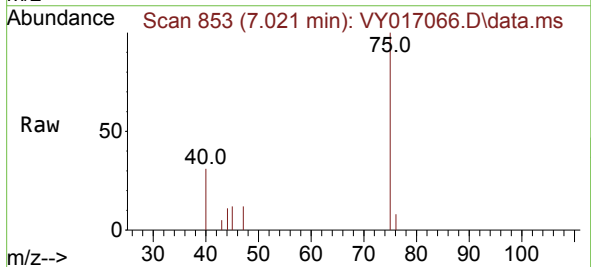
Instrument :
MSVOA_Y
ClientSampleId :

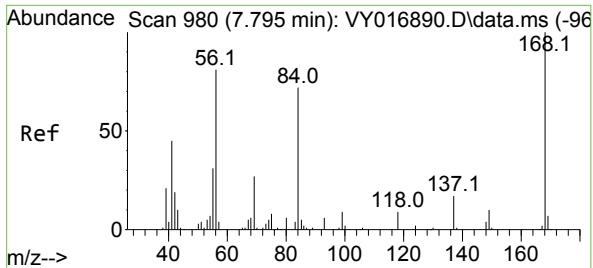
Tgt Ion: 43 Resp: 334
Ion Ratio Lower Upper
43 100
58 19.5 26.6 39.8#



#25
2-Butanone
Concen: Below Cal
RT: 7.021 min Scan# 853
Delta R.T. 0.025 min
Lab File: VY017066.D
Acq: 22 Jan 2024 10:52

Tgt Ion: 43 Resp: 46
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#

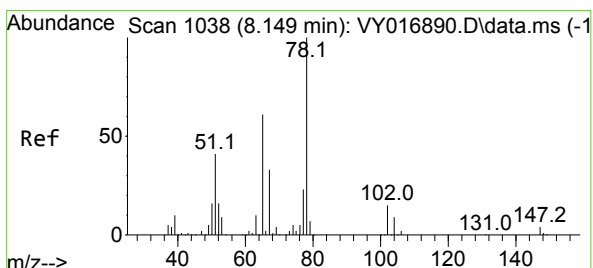
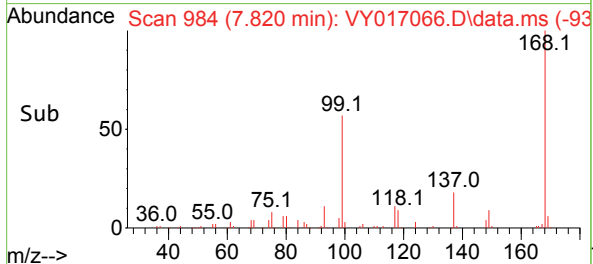
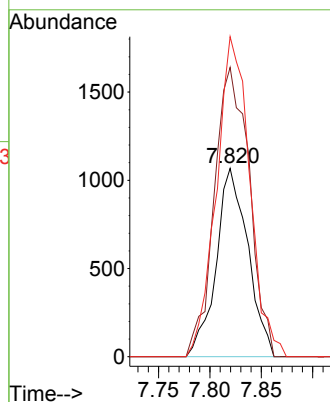
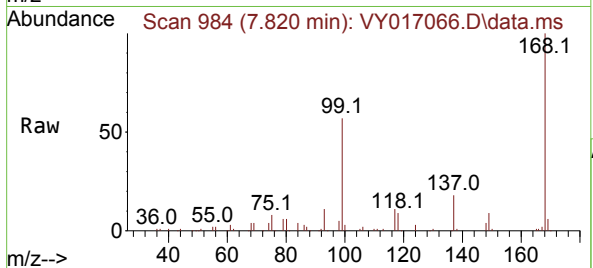




#31
Cyclohexane
Concen: 1.275 ug/l
RT: 7.820 min Scan# 91
Delta R.T. 0.019 min
Lab File: VY017066.D
Acq: 22 Jan 2024 10:52

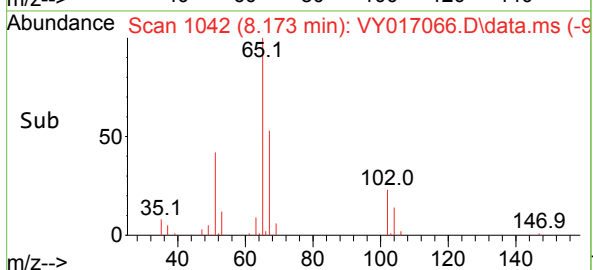
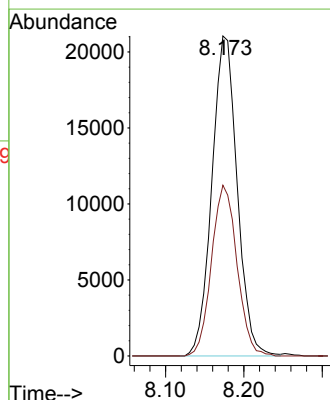
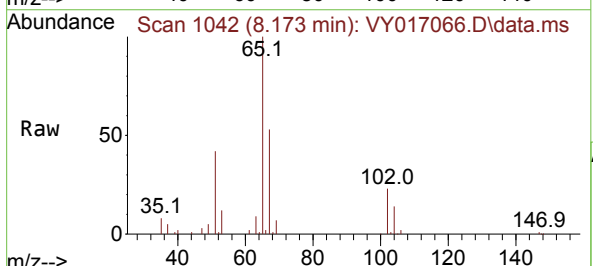
Instrument :
MSVOA_Y
ClientSampleId :

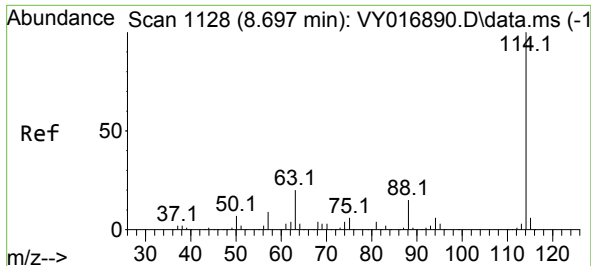
Tgt Ion: 56 Resp: 2290
Ion Ratio Lower Upper
56 100
69 153.6 27.0 40.6#
84 169.9 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 45.222 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.018 min
Lab File: VY017066.D
Acq: 22 Jan 2024 10:52

Tgt Ion: 65 Resp: 47334
Ion Ratio Lower Upper
65 100
67 53.6 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.722 min Scan# 1132

Delta R.T. 0.019 min

Lab File: VY017066.D

Acq: 22 Jan 2024 10:52

Instrument :

MSVOA_Y

ClientSampleId :

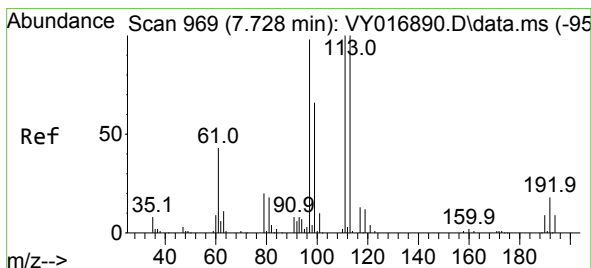
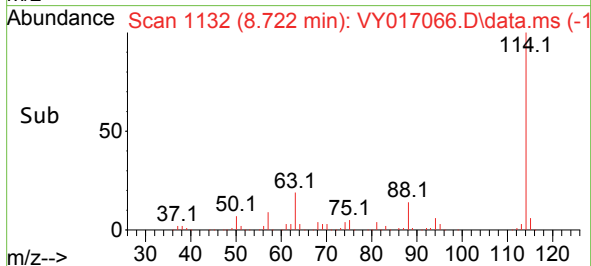
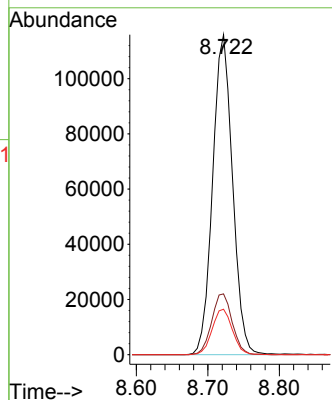
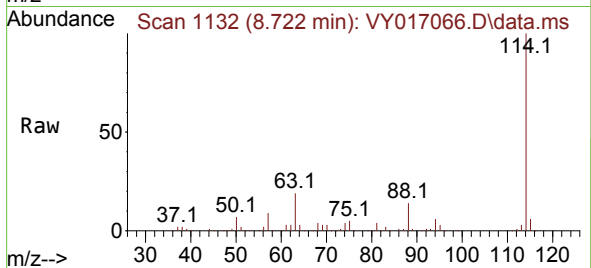
Tgt Ion:114 Resp: 224095

Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.4

88 14.2 0.0 29.0



#35

Dibromofluoromethane

Concen: 37.147 ug/l

RT: 7.752 min Scan# 973

Delta R.T. 0.024 min

Lab File: VY017066.D

Acq: 22 Jan 2024 10:52

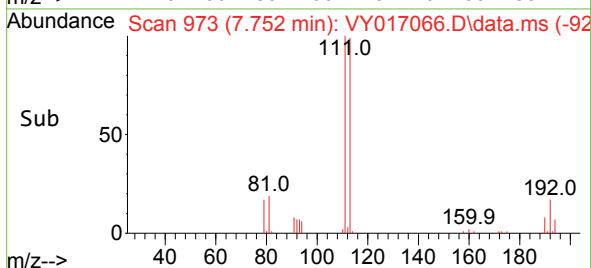
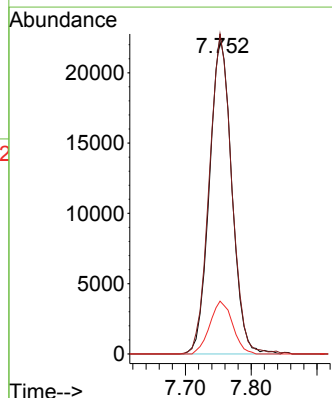
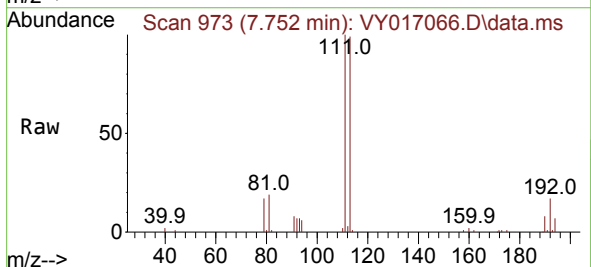
Tgt Ion:113 Resp: 53046

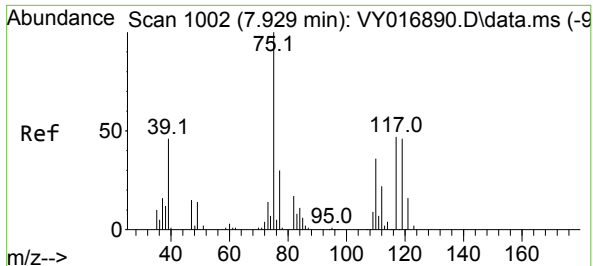
Ion Ratio Lower Upper

113 100

111 101.8 83.8 125.6

192 17.1 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.070 ug/l

RT: 7.820 min Scan# 984

Delta R.T. -0.109 min

Lab File: VY017066.D

Acq: 22 Jan 2024 10:52

Instrument :

MSVOA_Y

ClientSampleId :

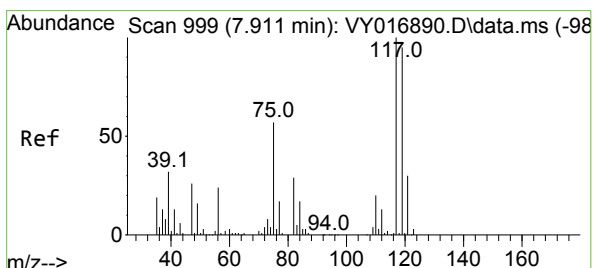
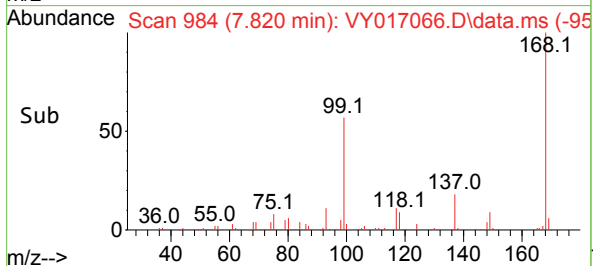
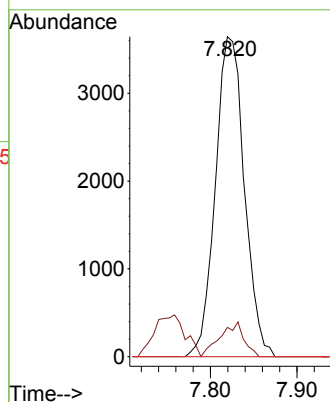
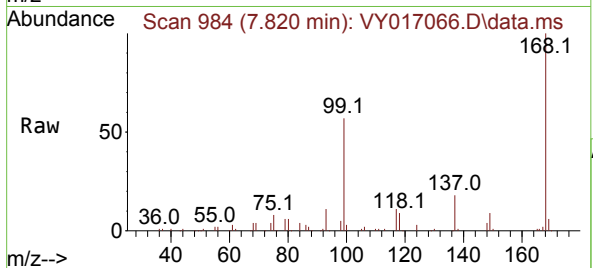
Tgt Ion: 75 Resp: 8471

Ion Ratio Lower Upper

75 100

110 8.9 17.4 52.3#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.999 ug/l

RT: 7.820 min Scan# 984

Delta R.T. -0.097 min

Lab File: VY017066.D

Acq: 22 Jan 2024 10:52

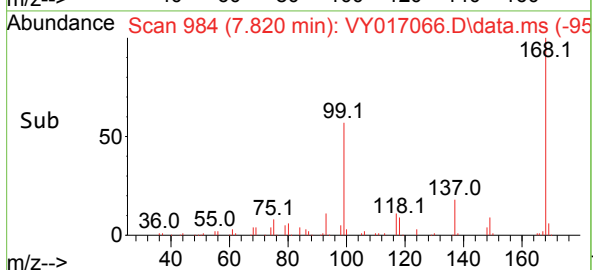
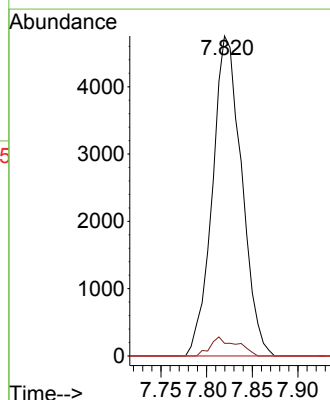
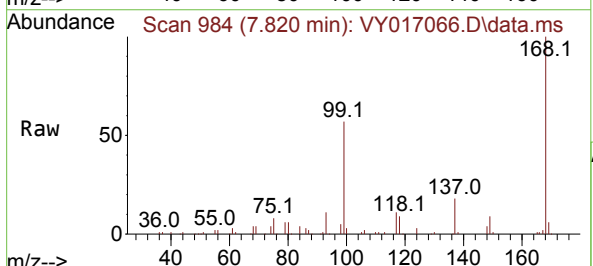
Tgt Ion: 117 Resp: 10570

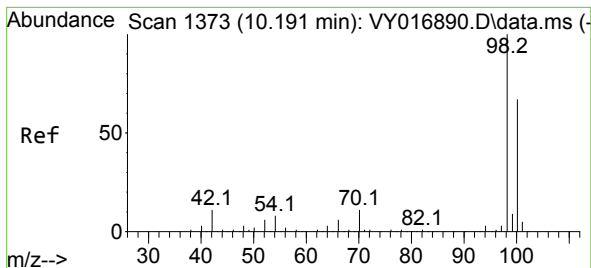
Ion Ratio Lower Upper

117 100

119 4.0 76.0 114.0#

121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 40.205 ug/l

RT: 10.209 min Scan# 11

Delta R.T. 0.018 min

Lab File: VY017066.D

Acq: 22 Jan 2024 10:52

Instrument :

MSVOA_Y

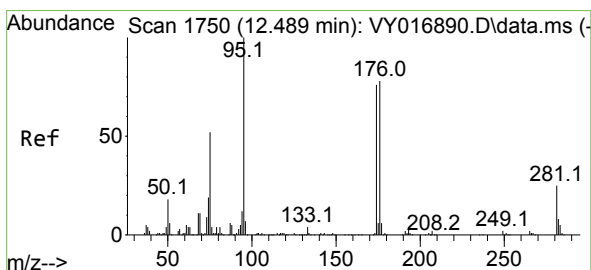
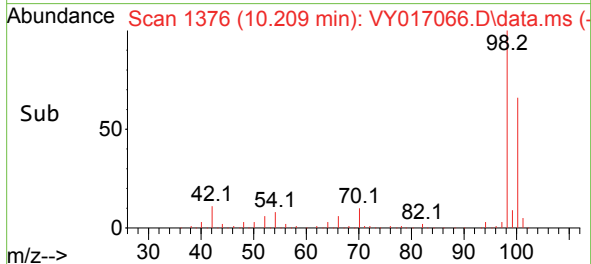
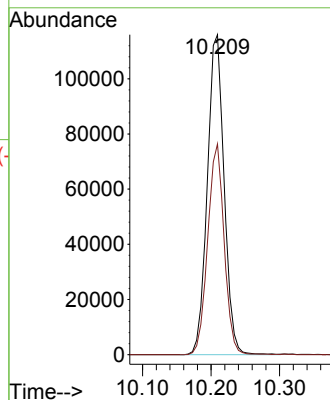
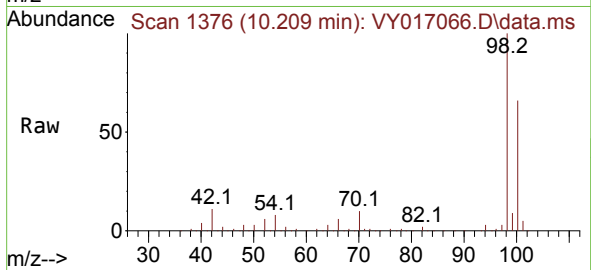
ClientSampleId :

Tgt Ion: 98 Resp: 197703

Ion Ratio Lower Upper

98 100

100 64.5 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 36.285 ug/l

RT: 12.502 min Scan# 1752

Delta R.T. 0.013 min

Lab File: VY017066.D

Acq: 22 Jan 2024 10:52

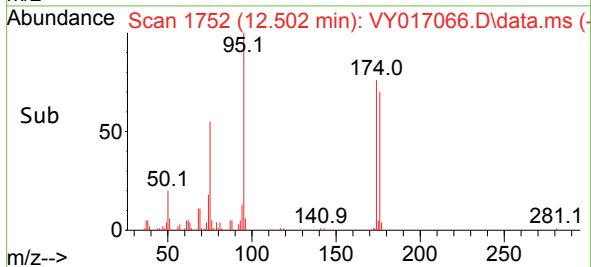
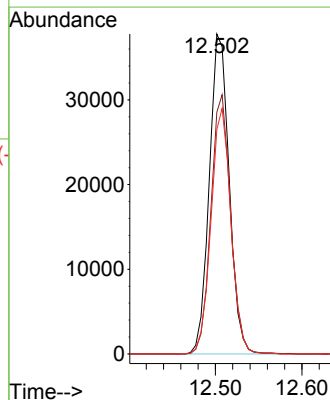
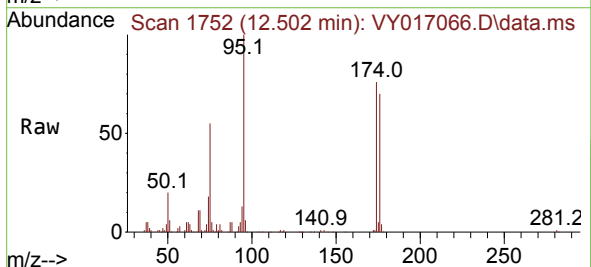
Tgt Ion: 95 Resp: 60200

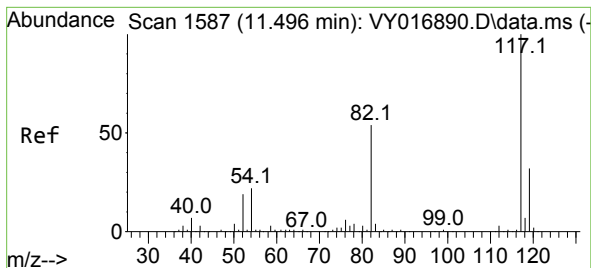
Ion Ratio Lower Upper

95 100

174 80.5 0.0 160.0

176 76.9 0.0 151.8

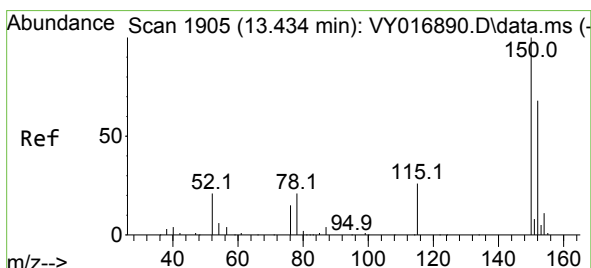
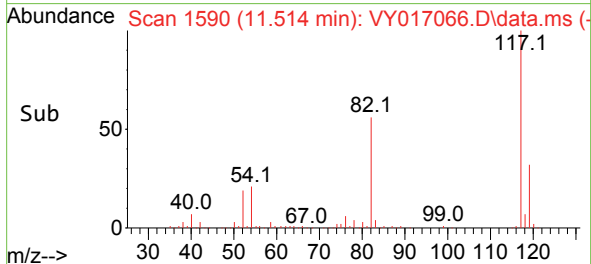
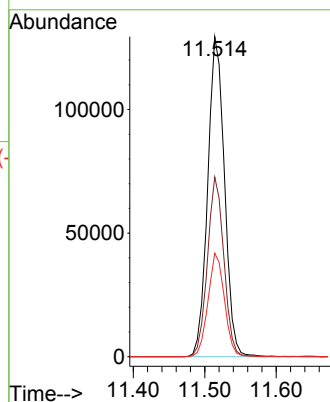
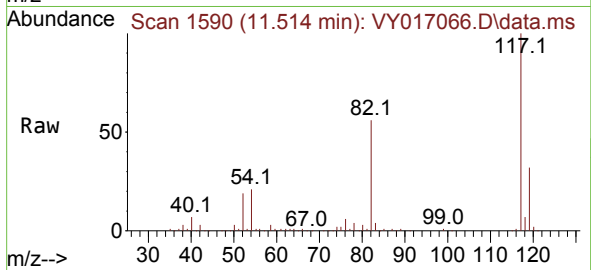




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.514 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY017066.D
Acq: 22 Jan 2024 10:52

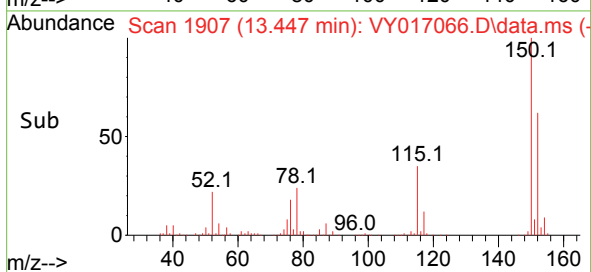
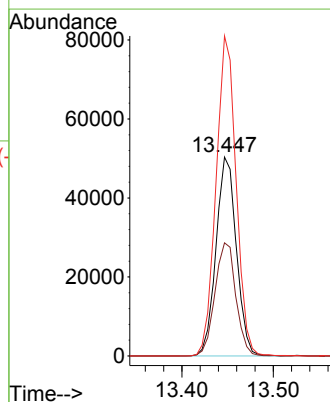
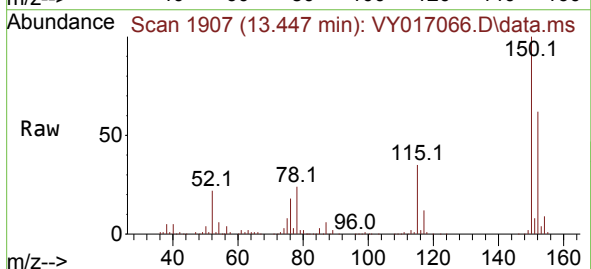
Instrument :
MSVOA_Y
ClientSampleId :

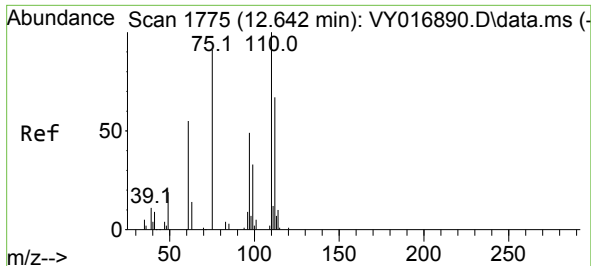
Tgt Ion:117 Resp: 211238
Ion Ratio Lower Upper
117 100
82 56.1 43.8 65.8
119 32.4 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.447 min Scan# 1907
Delta R.T. 0.013 min
Lab File: VY017066.D
Acq: 22 Jan 2024 10:52

Tgt Ion:152 Resp: 77944
Ion Ratio Lower Upper
152 100
115 58.6 30.0 90.0
150 158.7 0.0 344.6

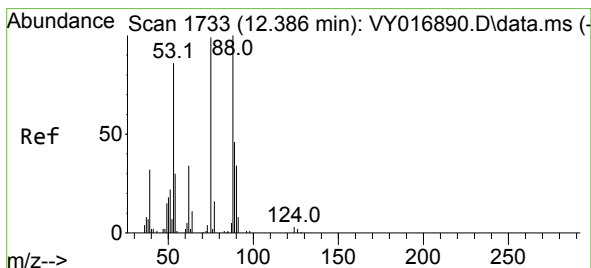
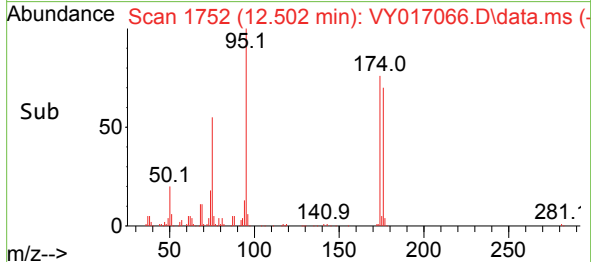
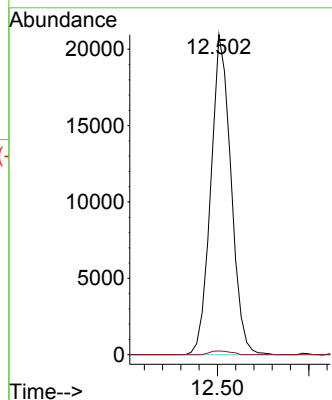
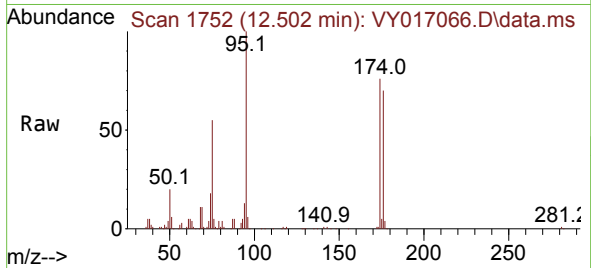




#76
1,2,3-Trichloropropane
Concen: 37.953 ug/l
RT: 12.502 min Scan# 1752
Delta R.T. -0.140 min
Lab File: VY017066.D
Acq: 22 Jan 2024 10:52

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 32102
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.182 ug/l
RT: 12.502 min Scan# 1752
Delta R.T. 0.117 min
Lab File: VY017066.D
Acq: 22 Jan 2024 10:52

Tgt Ion: 75 Resp: 32102
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.1 36.5 54.7#

