

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012624\
 Data File : VY017118.D
 Acq On : 26 Jan 2024 13:56
 Operator : SY/MD
 Sample : P1260-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-03-01252024

Quant Time: Jan 29 04:16:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012424S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 25 04:44:10 2024
 Response via : Initial Calibration

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

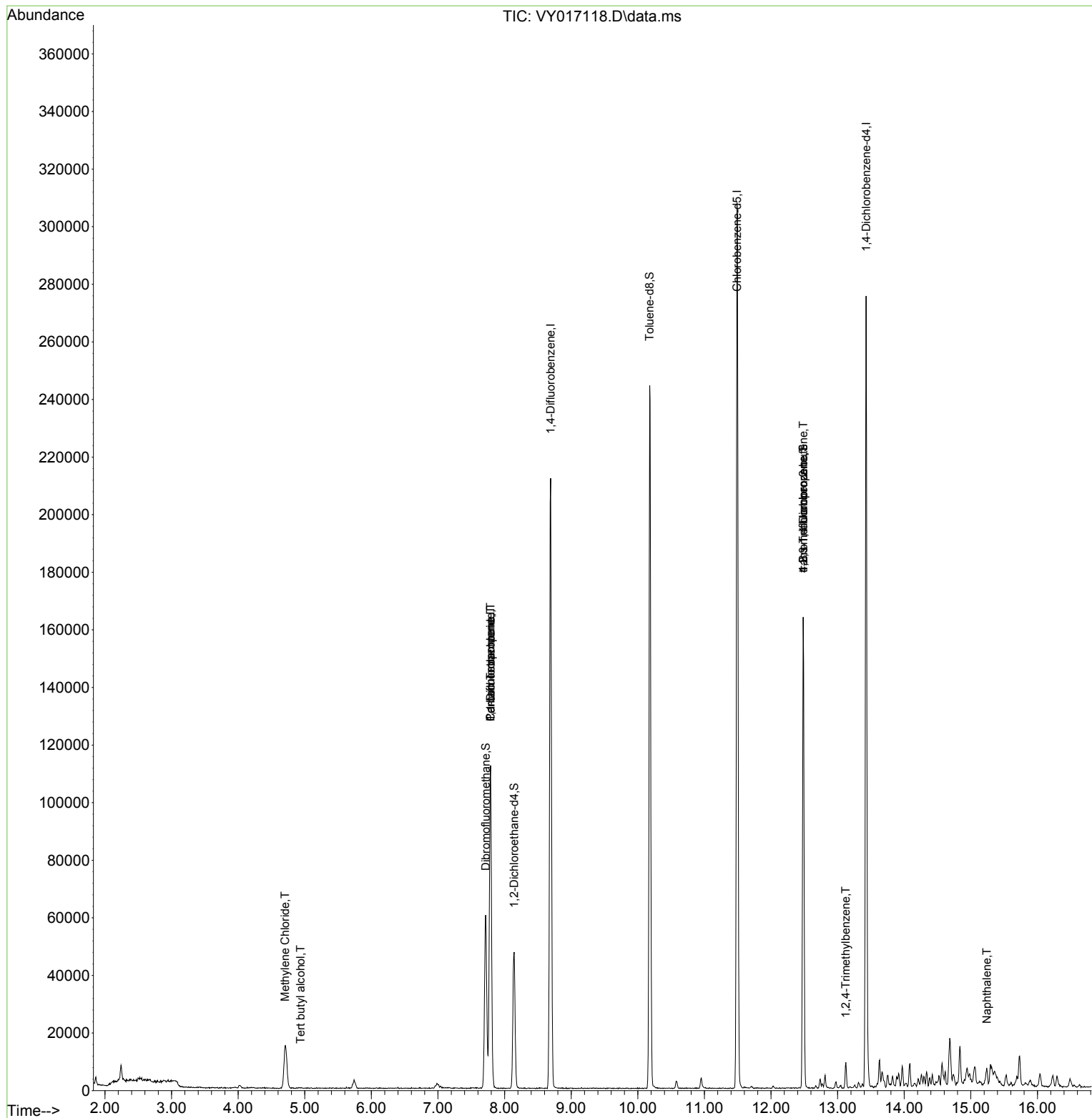
Internal Standards						
1) Pentafluorobenzene	7.789	168	84710	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.691	114	180946	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.489	117	171259	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.428	152	66002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	37100	44.951	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.900%		
35) Dibromofluoromethane	7.716	113	42953	39.331	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	78.660%		
50) Toluene-d8	10.179	98	159237	38.604	ug/l	-0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	77.200%		
62) 4-Bromofluorobenzene	12.483	95	49756	39.157	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	78.320%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	215	Below Cal	#	41
4) Vinyl Chloride	2.241	62	127	Below Cal	#	43
5) Bromomethane	2.656	94	228	Below Cal	#	69
6) Chloroethane	2.985	64	23	Below Cal	#	43
11) Tert butyl alcohol	4.936	59	137	2.190 ug/l	#	75
16) Acetone	3.948	43	539	Below Cal	#	41
20) Methylene Chloride	4.704	84	11498	7.348 ug/l		97
25) 2-Butanone	6.978	43	41	Below Cal	#	48
31) Cyclohexane	7.783	56	1872	Below Cal	#	11
36) 1,1-Dichloropropene	7.789	75	7443	4.142 ug/l	#	49
38) Carbon Tetrachloride	7.789	117	8435	4.790 ug/l	#	17
76) 1,2,3-Trichloropropane	12.483	75	26231	32.742 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	26231	84.766 ug/l	#	12
84) 1,2,4-Trimethylbenzene	13.123	105	4865	1.140 ug/l		99
95) Naphthalene	15.239	128	4218	2.309 ug/l	#	96

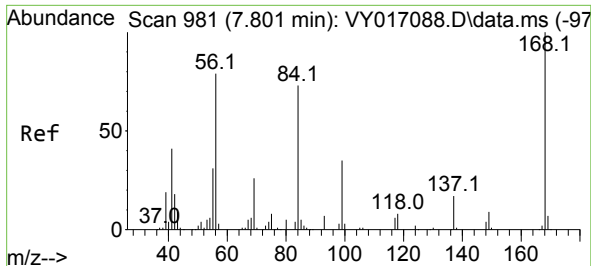
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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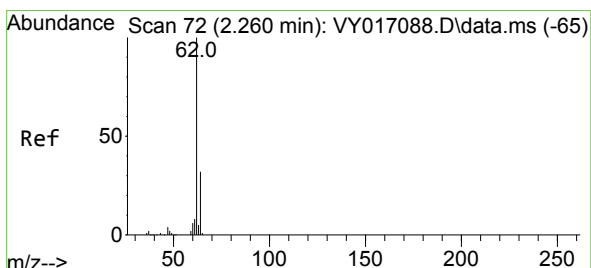
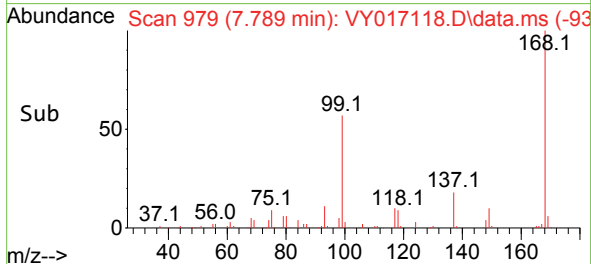
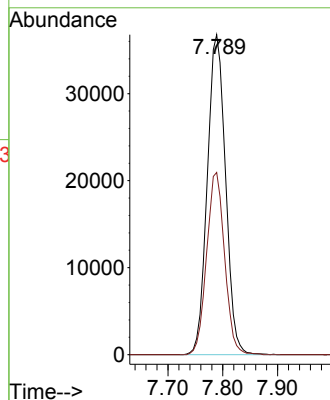
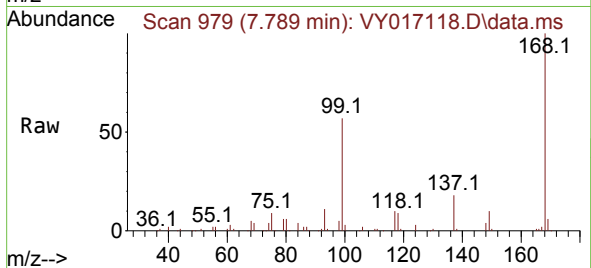




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY017118.D
Acq: 26 Jan 2024 13:56

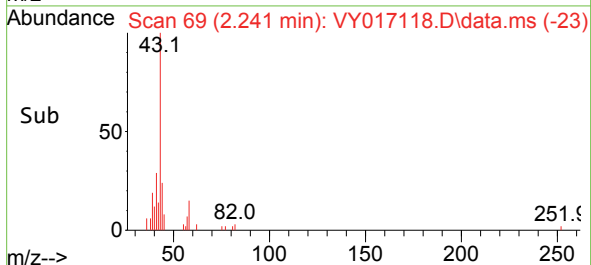
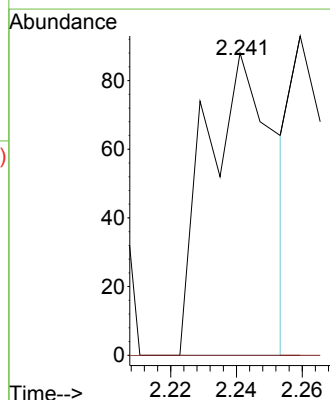
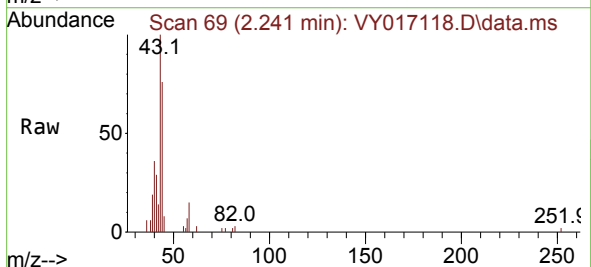
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-01252024

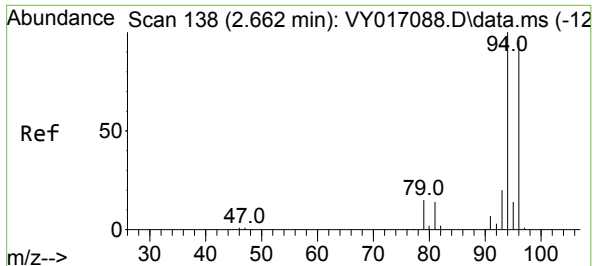
Tgt Ion:168 Resp: 84710
Ion Ratio Lower Upper
168 100
99 57.0 44.2 66.4



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.241 min Scan# 69
Delta R.T. -0.018 min
Lab File: VY017118.D
Acq: 26 Jan 2024 13:56

Tgt Ion: 62 Resp: 127
Ion Ratio Lower Upper
62 100
64 0.0 25.7 38.5#





#5

Bromomethane

Concen: Below Cal

RT: 2.656 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY017118.D

Acq: 26 Jan 2024 13:56

Instrument :

MSVOA_Y

ClientSampleId :

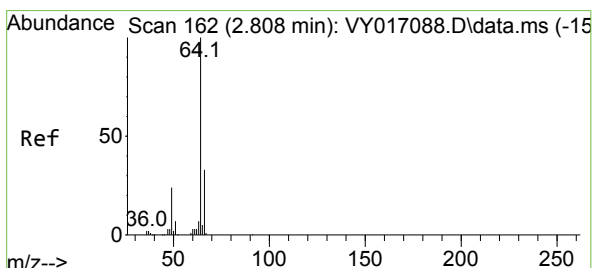
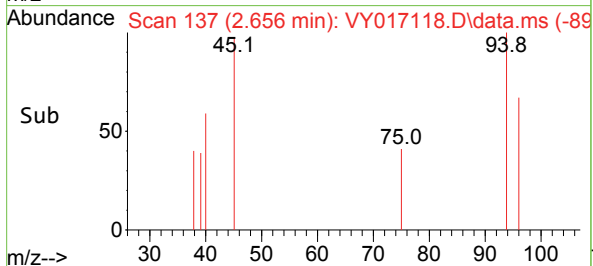
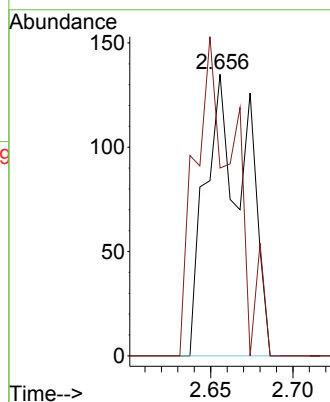
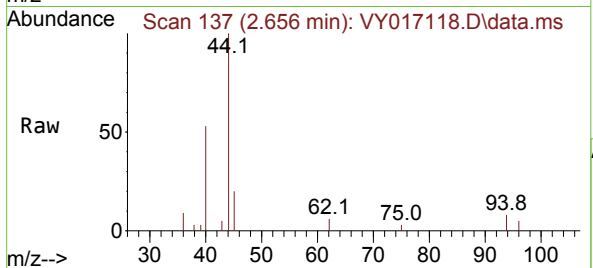
SU-03-01252024

Tgt Ion: 94 Resp: 228

Ion Ratio Lower Upper

94 100

96 66.7 77.3 115.9#



#6

Chloroethane

Concen: Below Cal

RT: 2.985 min Scan# 191

Delta R.T. 0.177 min

Lab File: VY017118.D

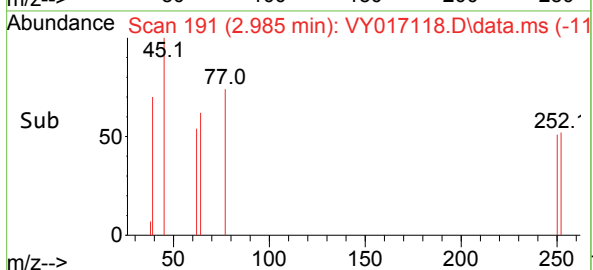
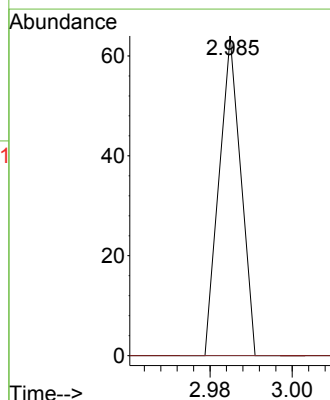
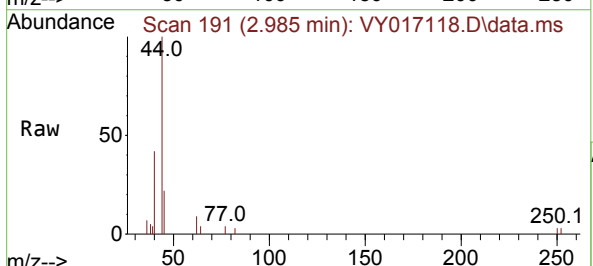
Acq: 26 Jan 2024 13:56

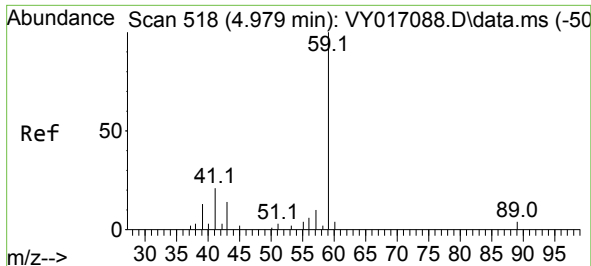
Tgt Ion: 64 Resp: 23

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 2.190 ug/l

RT: 4.936 min Scan# 511

Delta R.T. -0.030 min

Lab File: VY017118.D

Acq: 26 Jan 2024 13:56

Instrument :

MSVOA_Y

ClientSampleId :

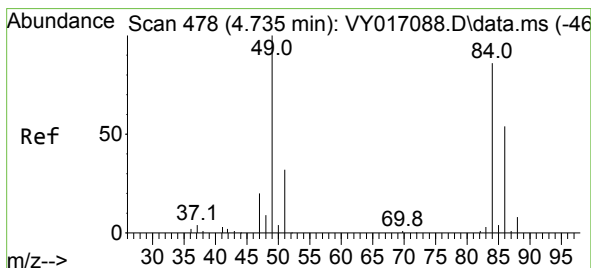
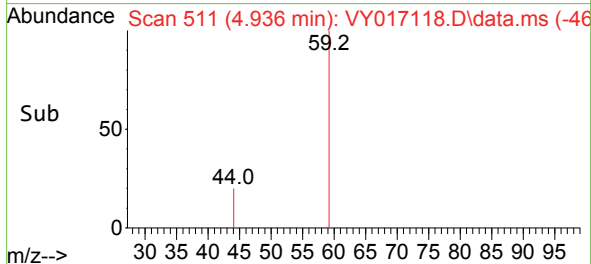
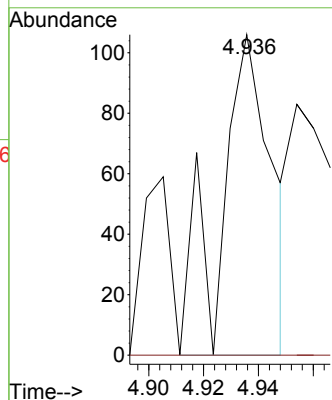
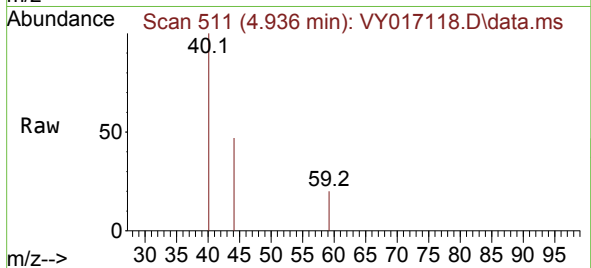
SU-03-01252024

Tgt Ion: 59 Resp: 137

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.0#



#20

Methylene Chloride

Concen: 7.348 ug/l

RT: 4.704 min Scan# 473

Delta R.T. -0.030 min

Lab File: VY017118.D

Acq: 26 Jan 2024 13:56

Tgt Ion: 84 Resp: 11498

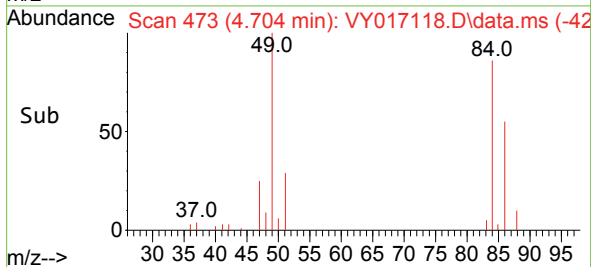
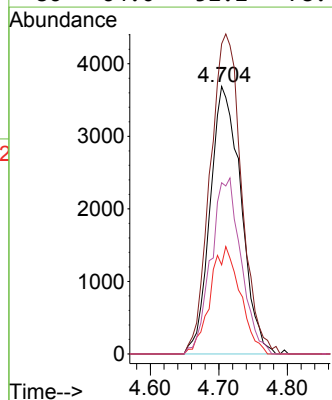
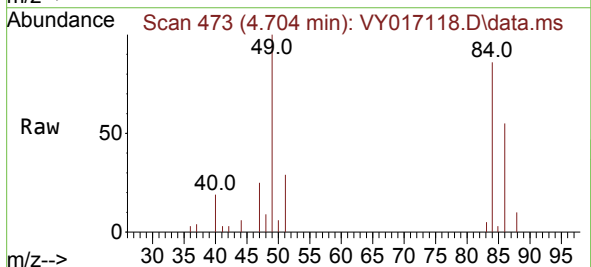
Ion Ratio Lower Upper

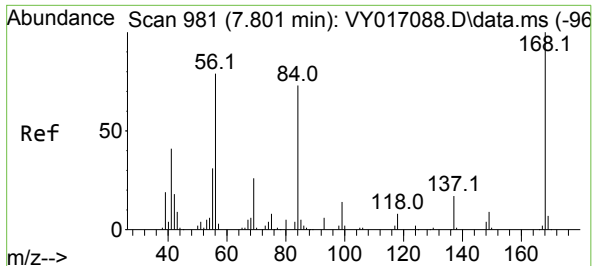
84 100

49 115.9 95.2 142.8

51 33.3 29.9 44.9

86 64.0 52.2 78.4

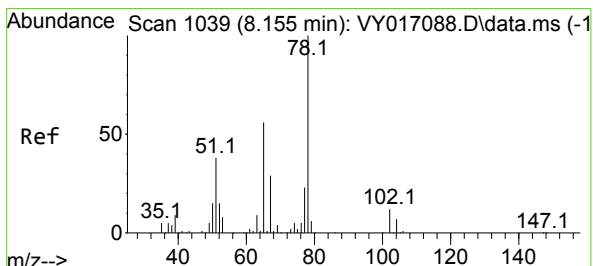
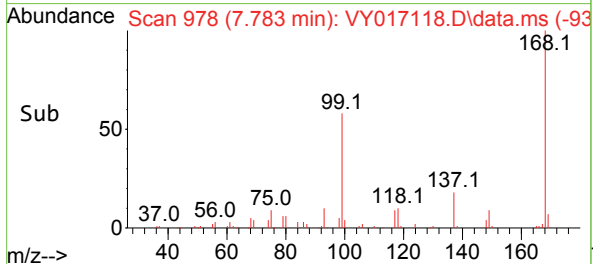
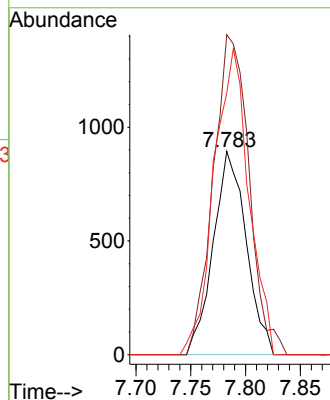
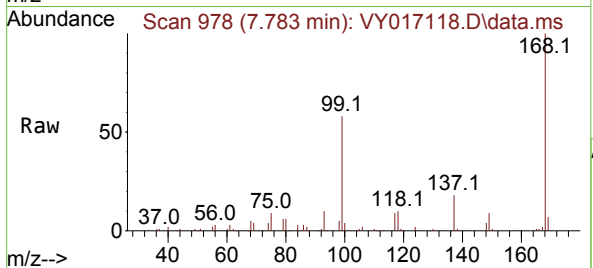




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.018 min
Lab File: VY017118.D
Acq: 26 Jan 2024 13:56

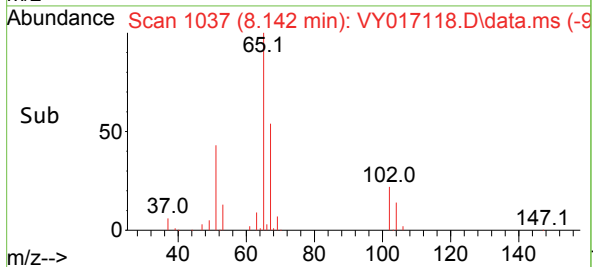
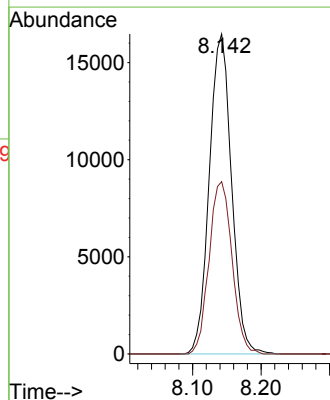
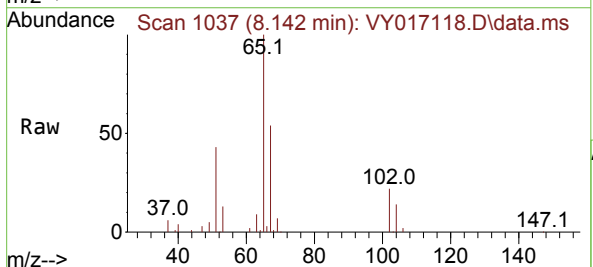
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-01252024

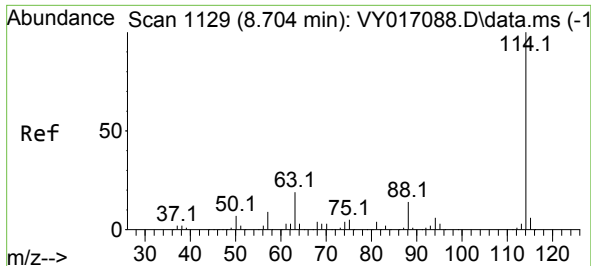
Tgt Ion: 56 Resp: 1872
Ion Ratio Lower Upper
56 100
69 157.4 27.0 40.6#
84 128.7 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 44.951 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.013 min
Lab File: VY017118.D
Acq: 26 Jan 2024 13:56

Tgt Ion: 65 Resp: 37100
Ion Ratio Lower Upper
65 100
67 55.6 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.012 min

Lab File: VY017118.D

Acq: 26 Jan 2024 13:56

Instrument :

MSVOA_Y

ClientSampleId :

SU-03-01252024

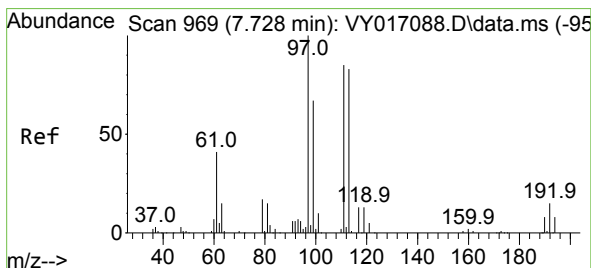
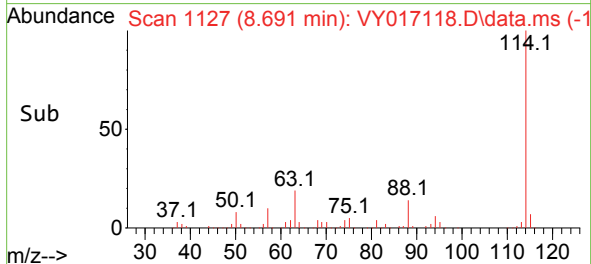
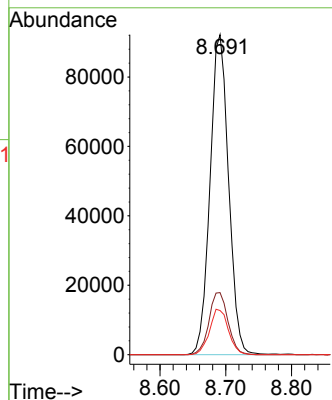
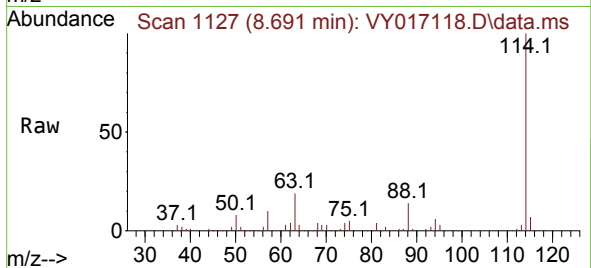
Tgt Ion:114 Resp: 180946

Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.4

88 13.8 0.0 29.0



#35

Dibromofluoromethane

Concen: 39.331 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.012 min

Lab File: VY017118.D

Acq: 26 Jan 2024 13:56

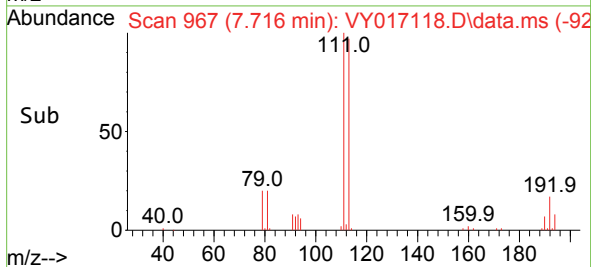
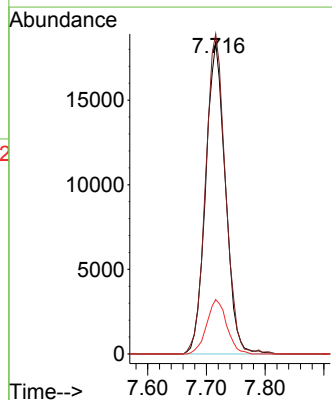
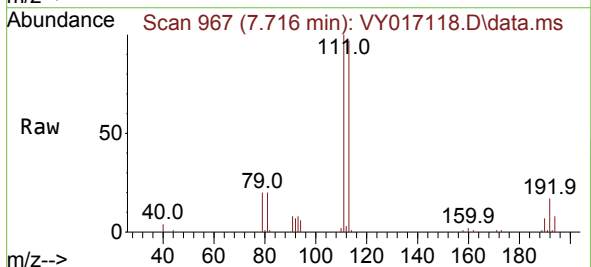
Tgt Ion:113 Resp: 42953

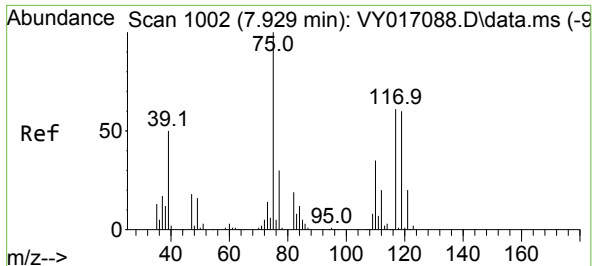
Ion Ratio Lower Upper

113 100

111 103.5 83.8 125.6

192 17.7 14.5 21.7

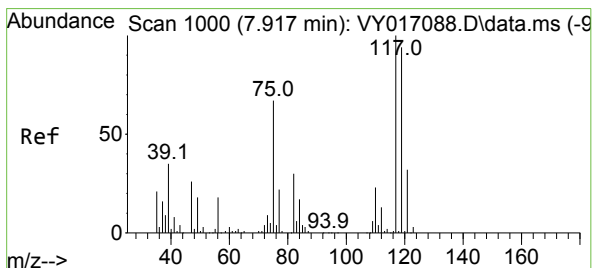
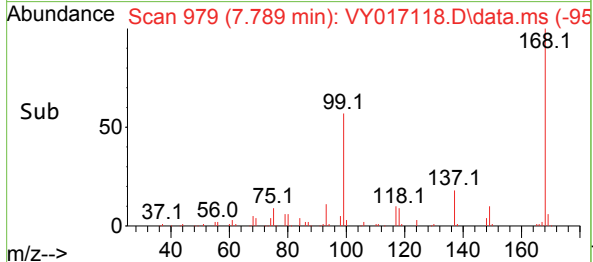
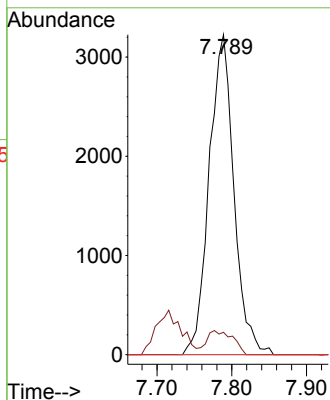
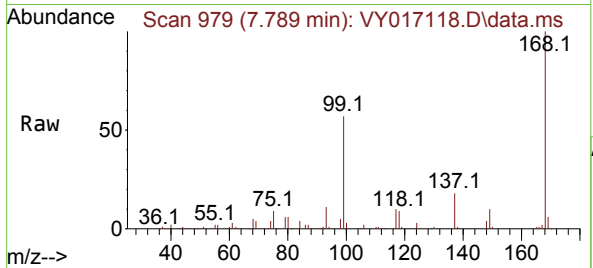




#36
1,1-Dichloropropene
Concen: 4.142 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY017118.D
Acq: 26 Jan 2024 13:56

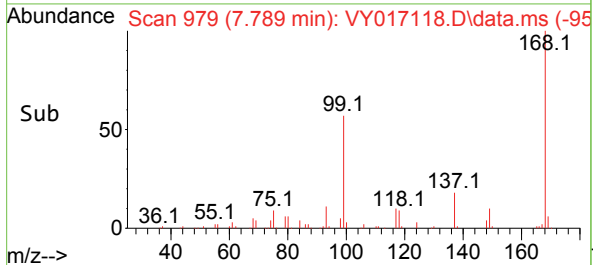
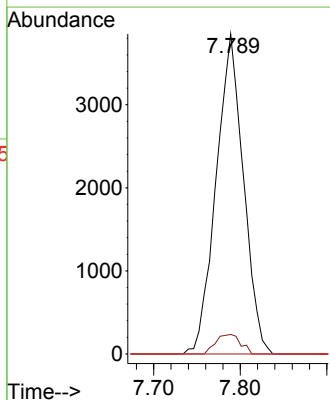
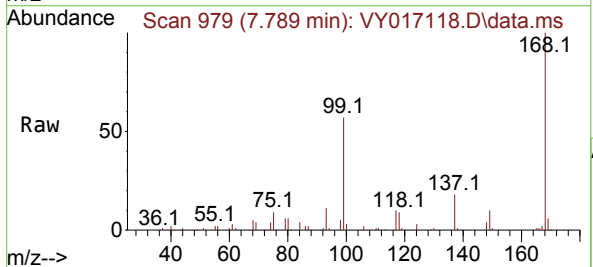
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SU-03-01252024

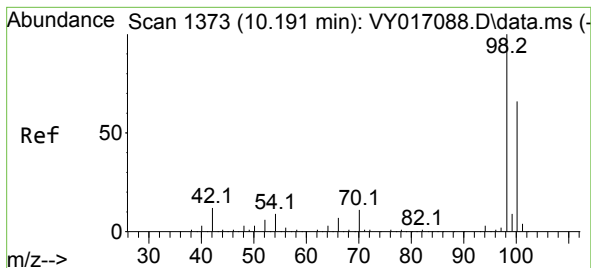
Tgt Ion: 75 Resp: 7443
Ion Ratio Lower Upper
75 100
110 8.0 17.4 52.3#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 4.790 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY017118.D
Acq: 26 Jan 2024 13:56

Tgt Ion: 117 Resp: 8435
Ion Ratio Lower Upper
117 100
119 6.1 76.0 114.0#
121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 38.604 ug/l

RT: 10.179 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY017118.D

Acq: 26 Jan 2024 13:56

Instrument :

MSVOA_Y

ClientSampleId :

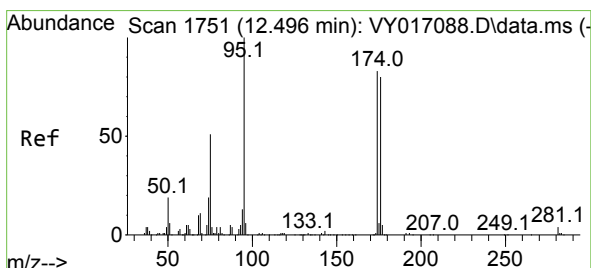
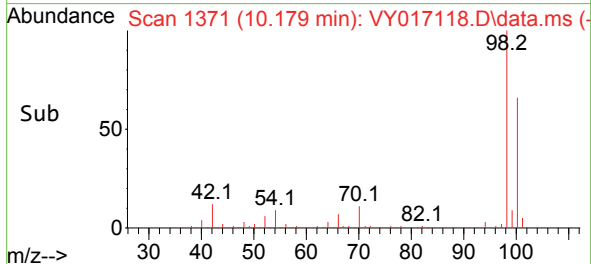
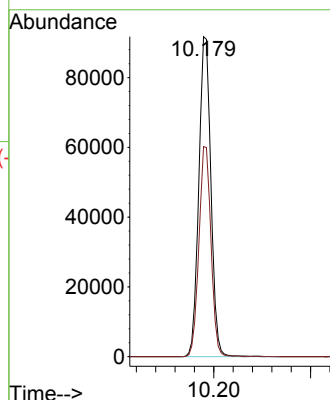
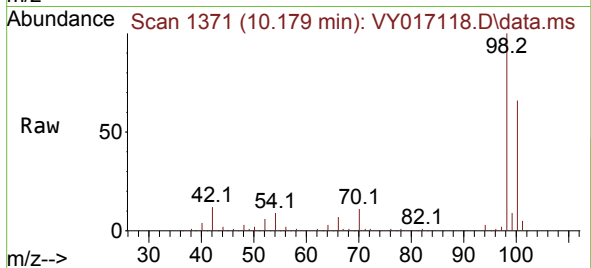
SU-03-01252024

Tgt Ion: 98 Resp: 159237

Ion Ratio Lower Upper

98 100

100 65.3 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 39.157 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.006 min

Lab File: VY017118.D

Acq: 26 Jan 2024 13:56

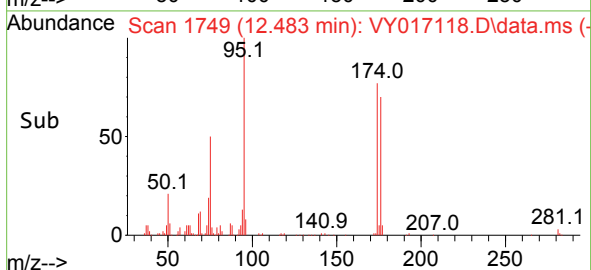
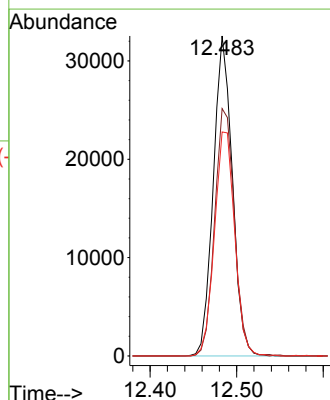
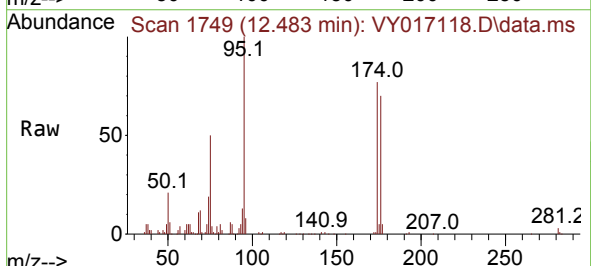
Tgt Ion: 95 Resp: 49756

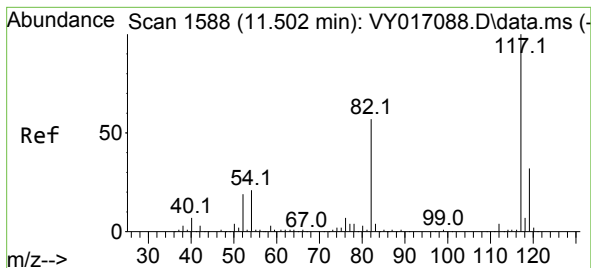
Ion Ratio Lower Upper

95 100

174 80.0 0.0 160.0

176 74.5 0.0 151.8

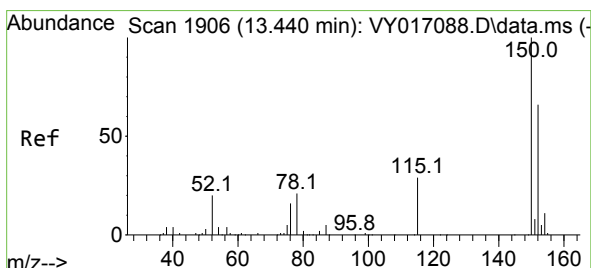
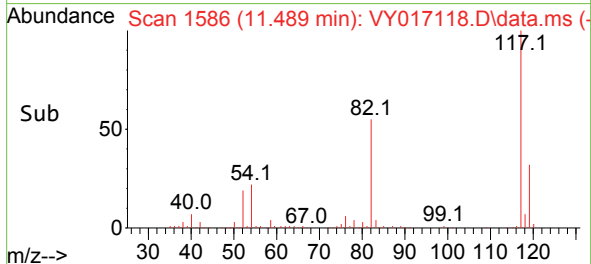
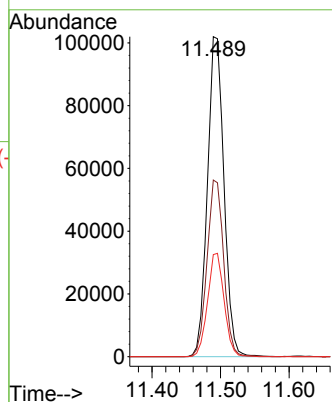
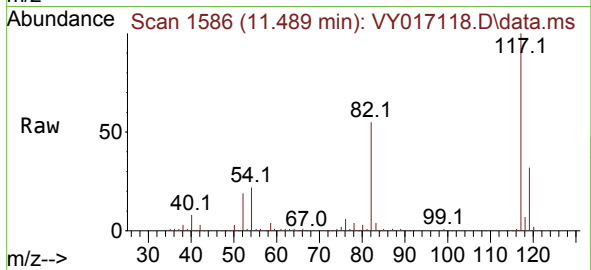




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.013 min
Lab File: VY017118.D
Acq: 26 Jan 2024 13:56

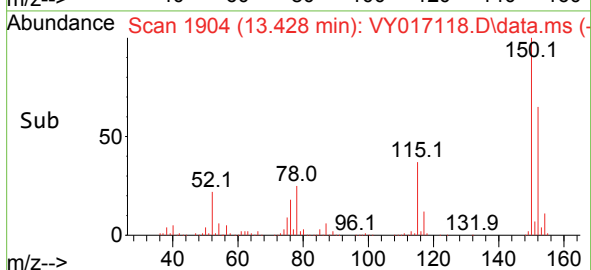
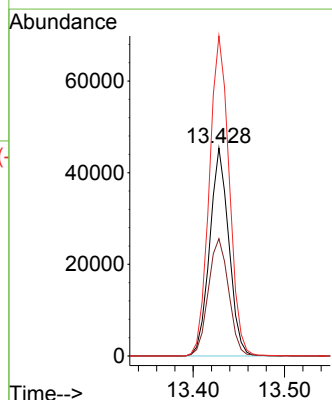
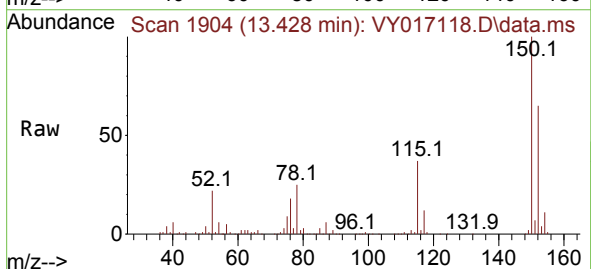
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-01252024

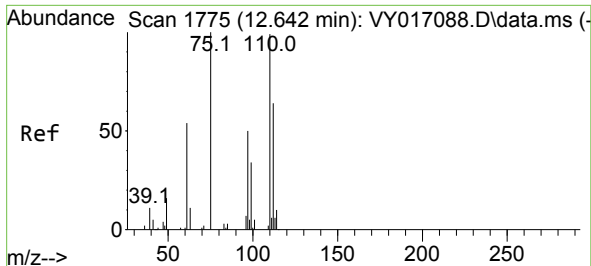
Tgt Ion:117 Resp: 171259
Ion Ratio Lower Upper
117 100
82 55.2 43.8 65.8
119 31.9 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY017118.D
Acq: 26 Jan 2024 13:56

Tgt Ion:152 Resp: 66002
Ion Ratio Lower Upper
152 100
115 59.9 30.0 90.0
150 159.8 0.0 344.6

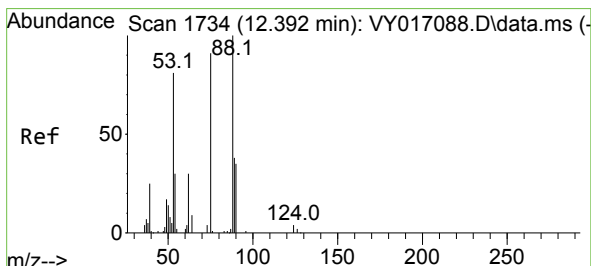
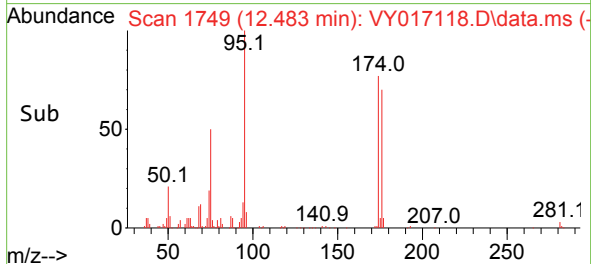
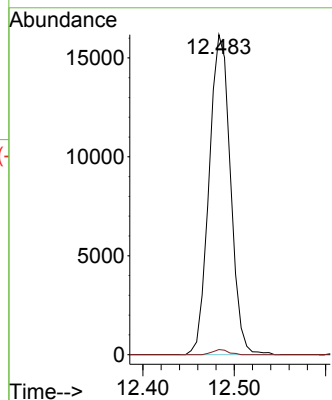
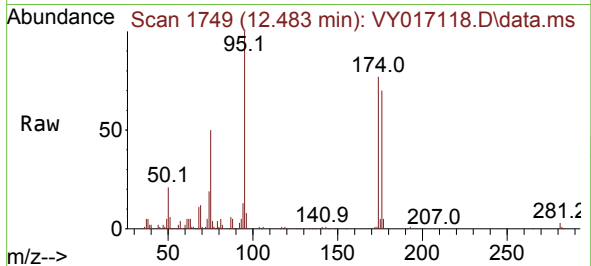




#76
1,2,3-Trichloropropane
Concen: 32.742 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.159 min
Lab File: VY017118.D
Acq: 26 Jan 2024 13:56

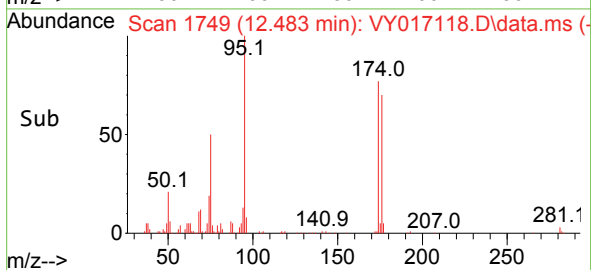
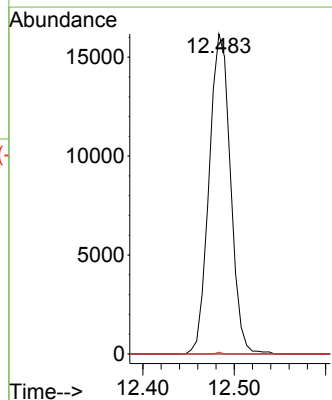
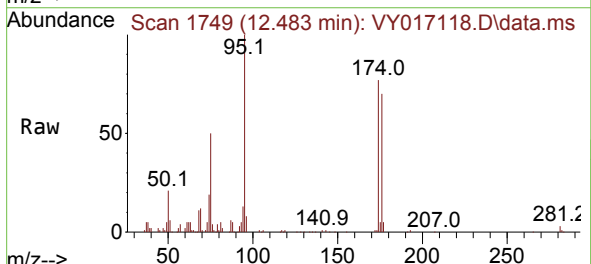
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-01252024

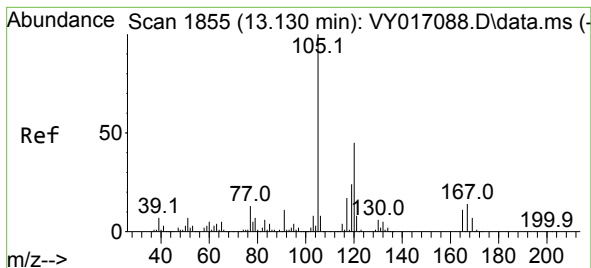
Tgt Ion: 75 Resp: 26231
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.766 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY017118.D
Acq: 26 Jan 2024 13:56

Tgt Ion: 75 Resp: 26231
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.1 36.5 54.7#





#84

1,2,4-Trimethylbenzene

Concen: 1.140 ug/l

RT: 13.123 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY017118.D

Acq: 26 Jan 2024 13:56

Instrument :

MSVOA_Y

ClientSampleId :

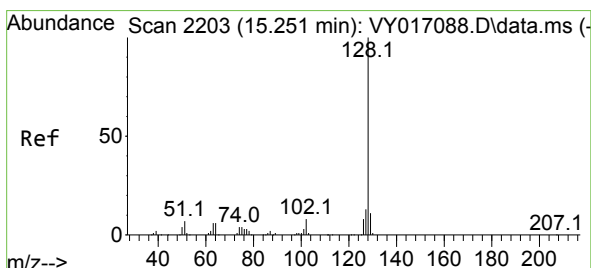
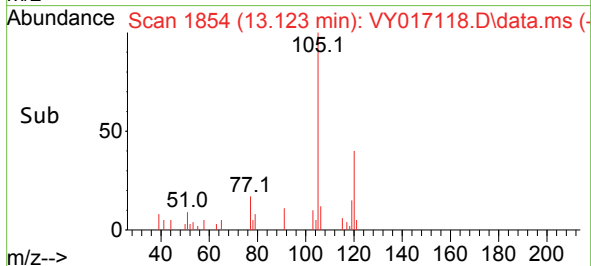
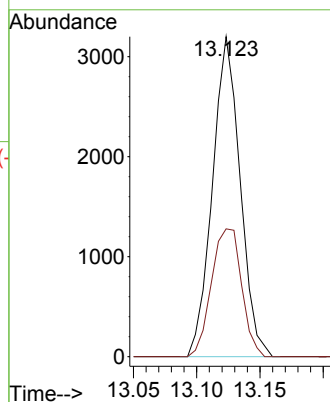
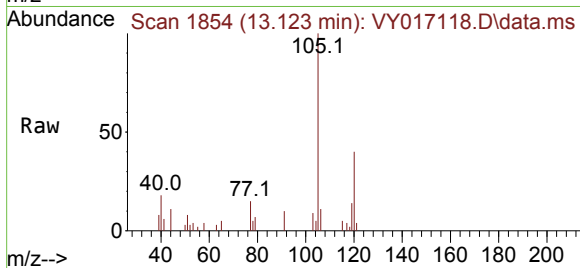
SU-03-01252024

Tgt Ion:105 Resp: 4865

Ion Ratio Lower Upper

105 100

120 43.5 22.1 66.3



#95

Naphthalene

Concen: 2.309 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. -0.006 min

Lab File: VY017118.D

Acq: 26 Jan 2024 13:56

Tgt Ion:128 Resp: 4218

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 14.0 8.6 12.8#

