

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030124\
 Data File : VY017552.D
 Acq On : 01 Mar 2024 15:50
 Operator : SY/MD
 Sample : P1639-31
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-8

Quant Time: Mar 02 00:19:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

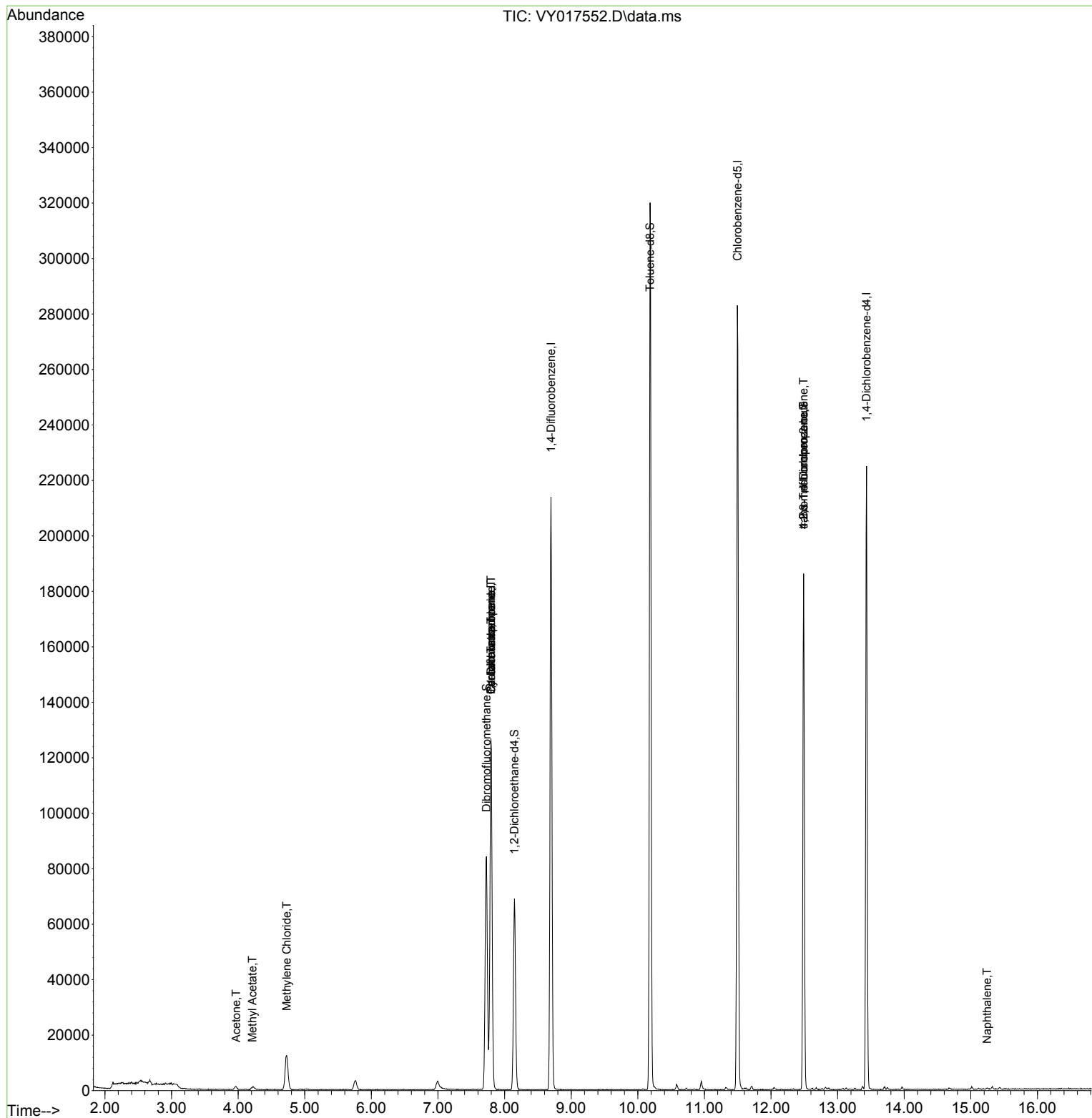
Internal Standards						
1) Pentafluorobenzene	7.795	168	103662	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	191907	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	165573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	59775	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	50864	51.773	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.540%
35) Dibromofluoromethane	7.728	113	61498	45.988	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.980%
50) Toluene-d8	10.185	98	216509	46.306	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.620%
62) 4-Bromofluorobenzene	12.489	95	55297	37.632	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.260%
Target Compounds						
					Qvalue	
16) Acetone	3.972	43	1941	10.186	ug/l #	74
18) Methyl Acetate	4.216	43	525	1.136	ug/l #	46
20) Methylene Chloride	4.728	84	10102	3.982	ug/l	96
31) Cyclohexane	7.795	56	1938	1.212	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	7848	4.350	ug/l #	46
38) Carbon Tetrachloride	7.795	117	9805	5.422	ug/l #	17
76) 1,2,3-Trichloropropane	12.489	75	28206	49.663	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	28206	114.113	ug/l #	16
95) Naphthalene	15.245	128	643	4.231	ug/l #	78

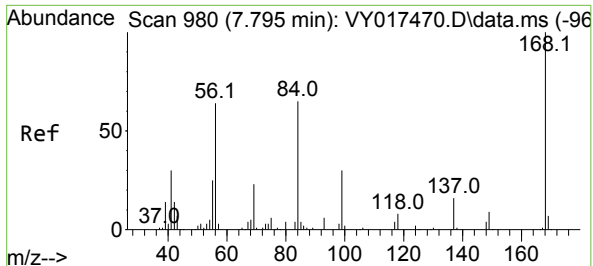
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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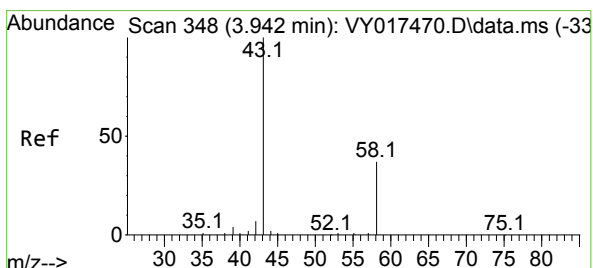
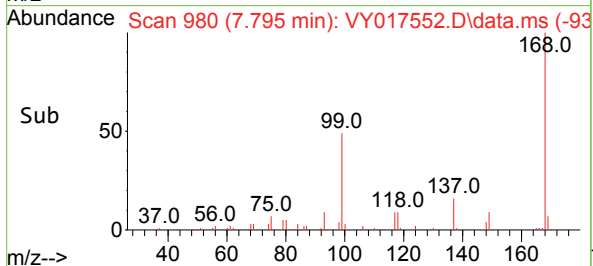
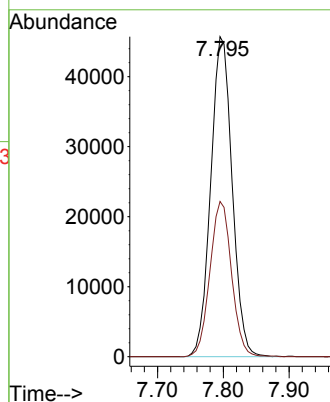
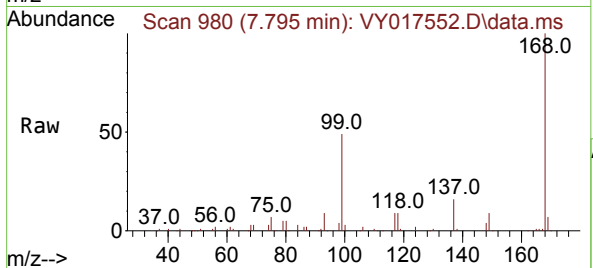




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY017552.D
Acq: 01 Mar 2024 15:50

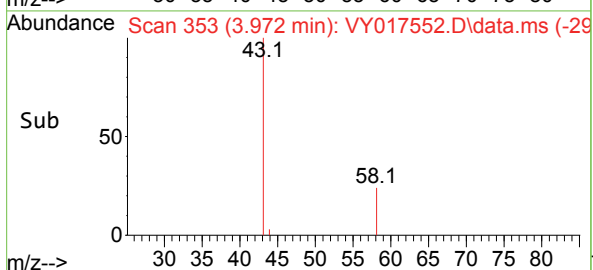
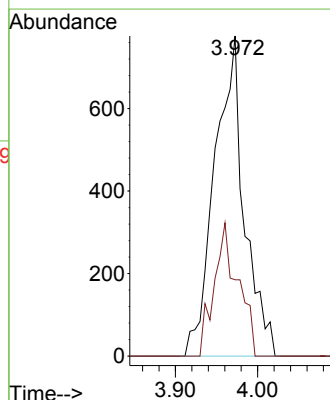
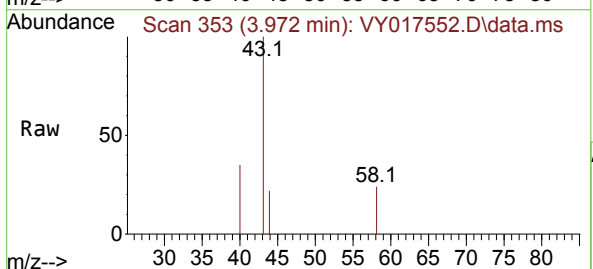
Instrument :
MSVOA_Y
ClientSampleId :
SP-8

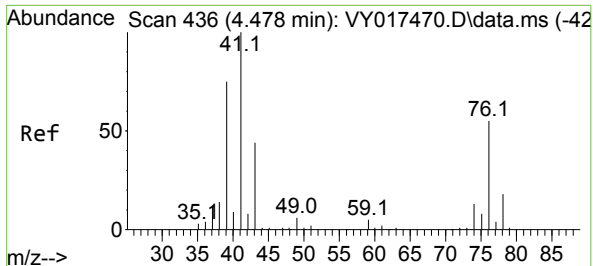
Tgt Ion:168 Resp: 103662
Ion Ratio Lower Upper
168 100
99 48.5 39.1 58.7



#16
Acetone
Concen: 10.186 ug/l
RT: 3.972 min Scan# 353
Delta R.T. 0.031 min
Lab File: VY017552.D
Acq: 01 Mar 2024 15:50

Tgt Ion: 43 Resp: 1941
Ion Ratio Lower Upper
43 100
58 23.8 31.7 47.5#

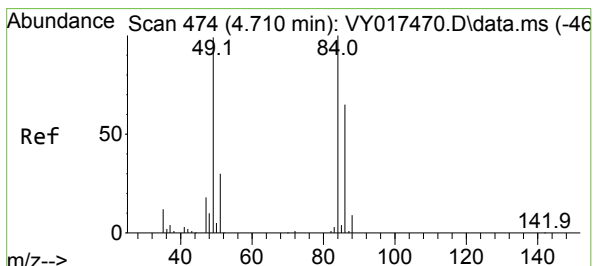
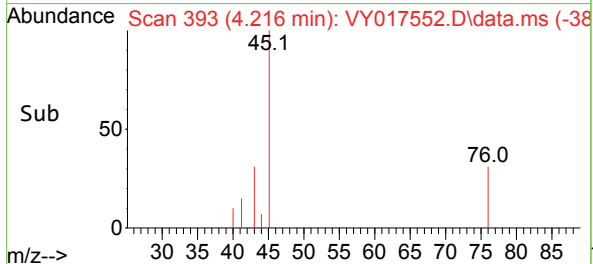
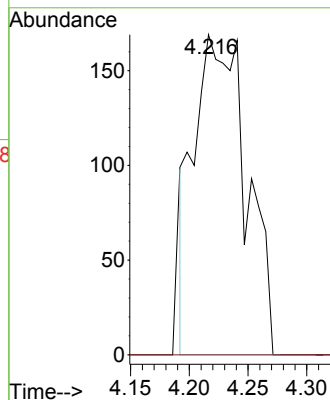
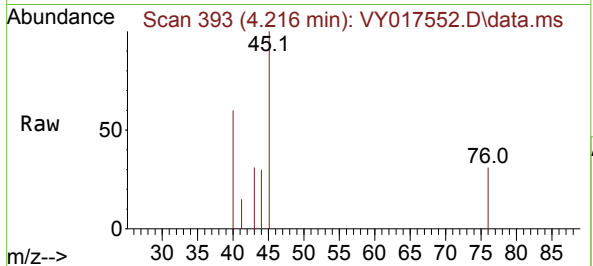




#18
Methyl Acetate
Concen: 1.136 ug/l
RT: 4.216 min Scan# 393
Delta R.T. -0.262 min
Lab File: VY017552.D
Acq: 01 Mar 2024 15:50

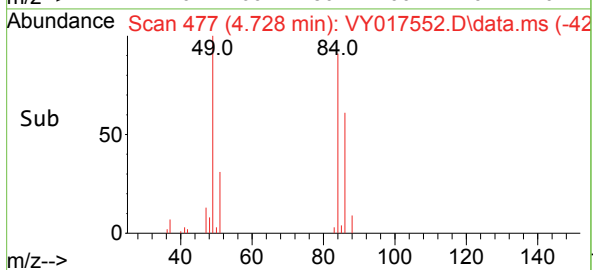
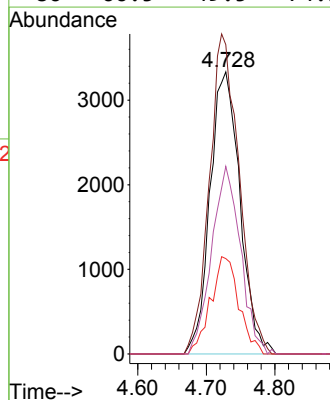
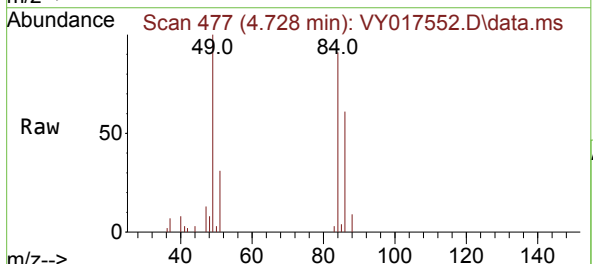
Instrument :
MSVOA_Y
ClientSampleId :
SP-8

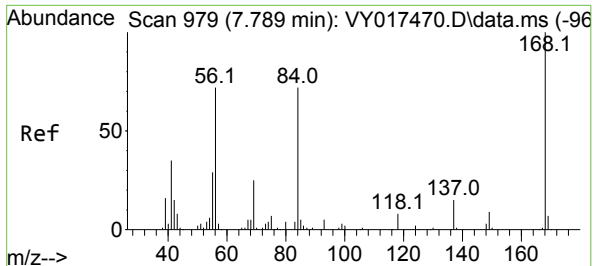
Tgt Ion: 43 Resp: 525
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#



#20
Methylene Chloride
Concen: 3.982 ug/l
RT: 4.728 min Scan# 477
Delta R.T. 0.018 min
Lab File: VY017552.D
Acq: 01 Mar 2024 15:50

Tgt Ion: 84 Resp: 10102
Ion Ratio Lower Upper
84 100
49 109.7 84.4 126.6
51 33.8 26.0 39.0
86 66.5 49.5 74.3

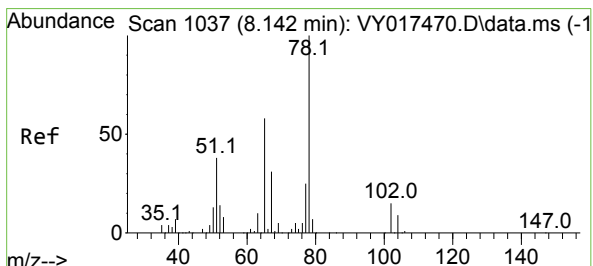
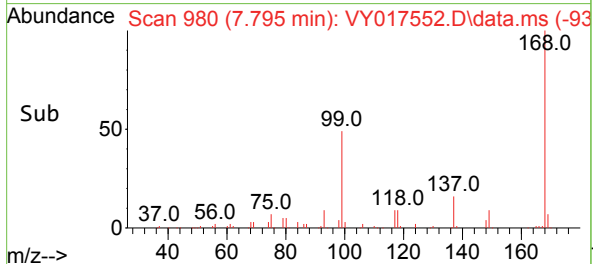
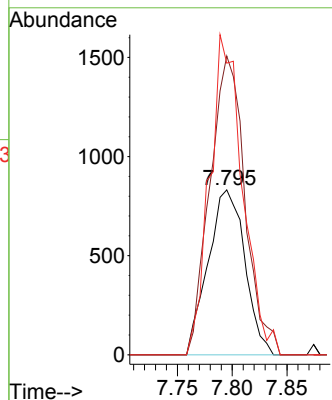
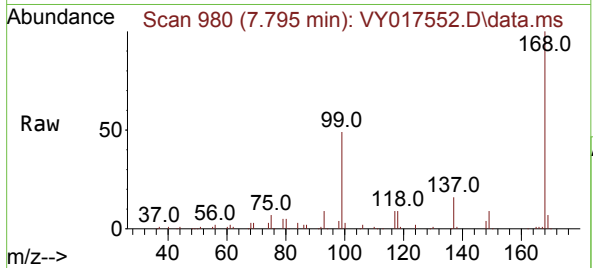




#31
Cyclohexane
Concen: 1.212 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017552.D
Acq: 01 Mar 2024 15:50

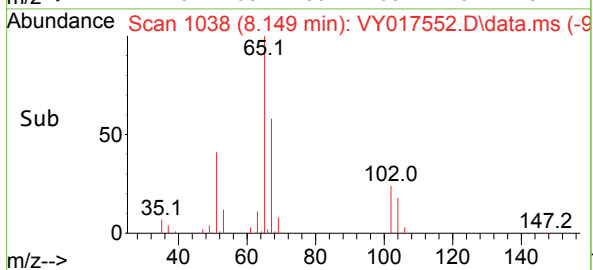
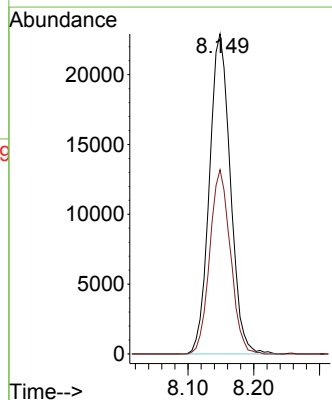
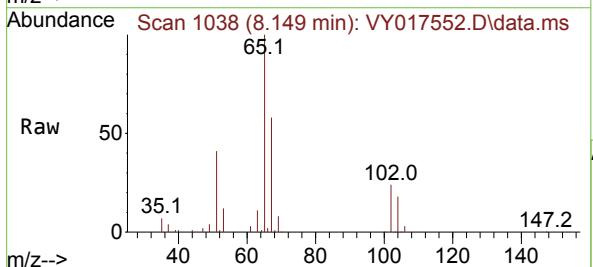
Instrument :
MSVOA_Y
ClientSampleId :
SP-8

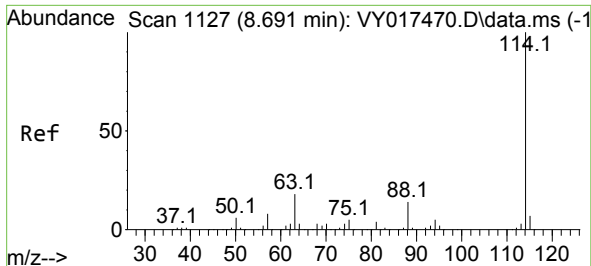
Tgt Ion: 56 Resp: 1938
Ion Ratio Lower Upper
56 100
69 181.2 28.7 43.1#
84 176.8 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 51.773 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY017552.D
Acq: 01 Mar 2024 15:50

Tgt Ion: 65 Resp: 50864
Ion Ratio Lower Upper
65 100
67 56.7 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY017552.D

Acq: 01 Mar 2024 15:50

Instrument :

MSVOA_Y

ClientSampleId :

SP-8

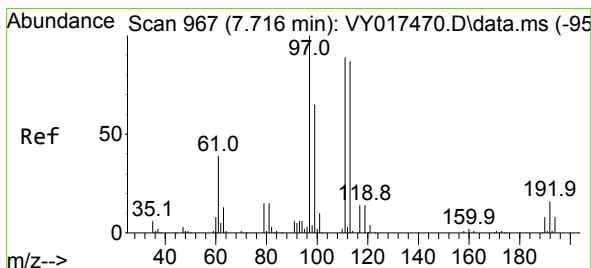
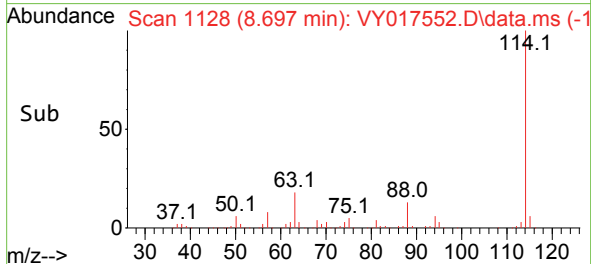
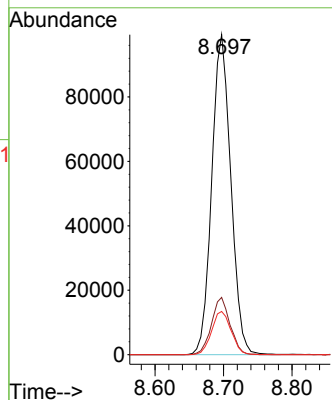
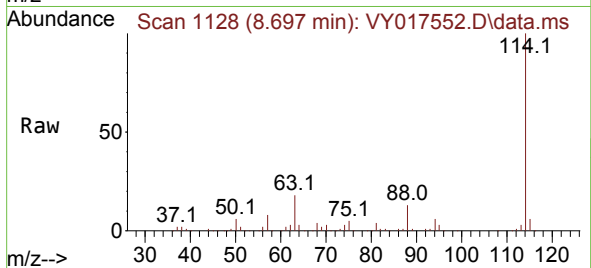
Tgt Ion:114 Resp: 191907

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.0

88 13.5 0.0 27.2



#35

Dibromofluoromethane

Concen: 45.988 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY017552.D

Acq: 01 Mar 2024 15:50

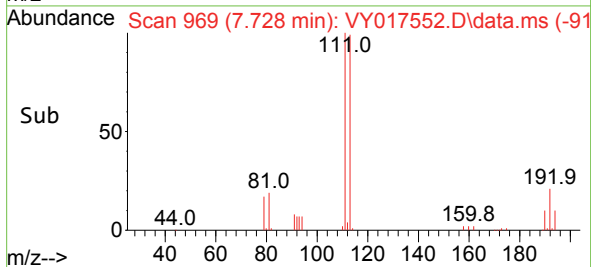
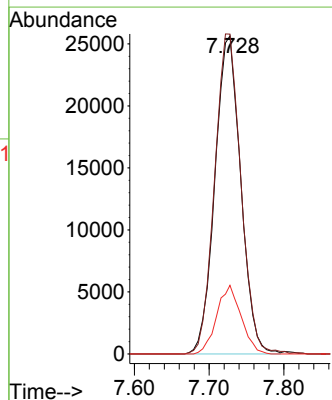
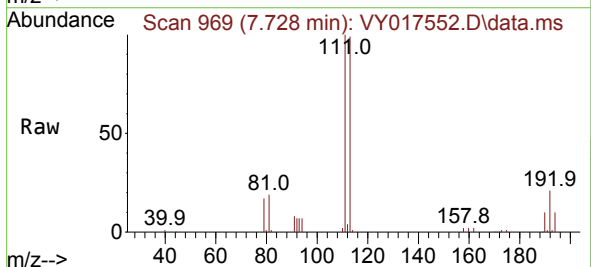
Tgt Ion:113 Resp: 61498

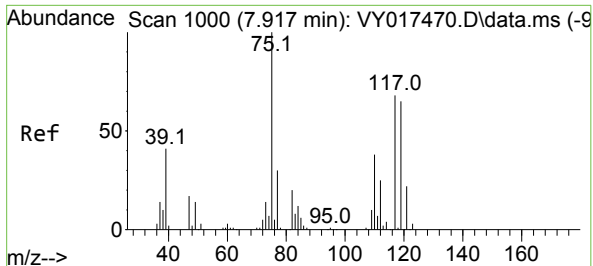
Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

192 20.4 15.9 23.9

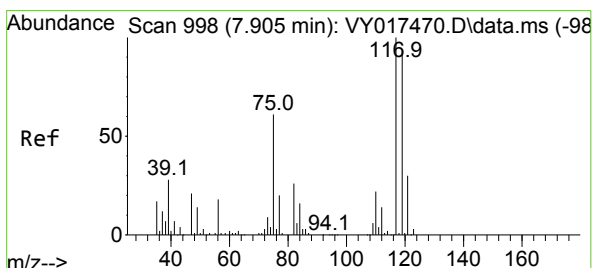
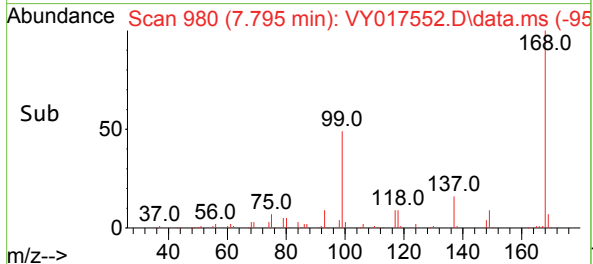
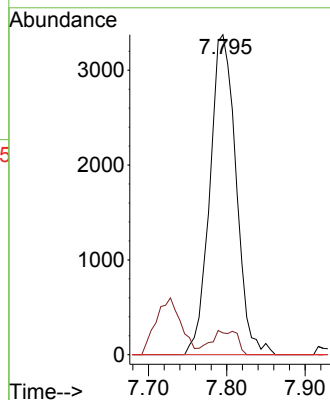
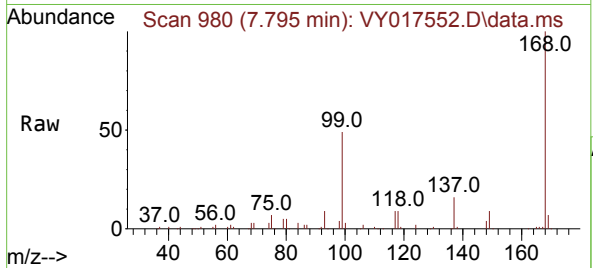




#36
1,1-Dichloropropene
Concen: 4.350 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY017552.D
Acq: 01 Mar 2024 15:50

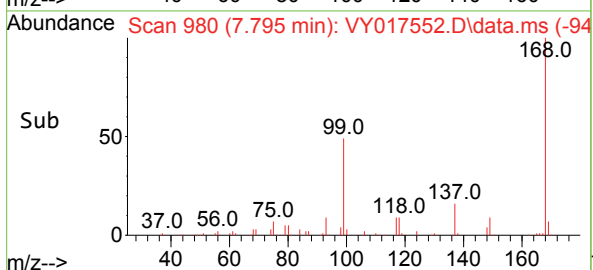
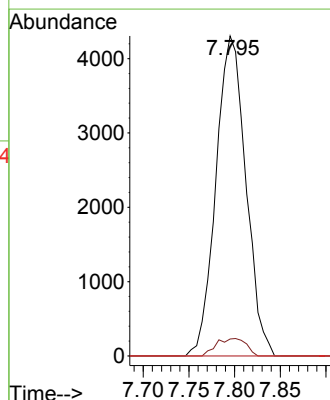
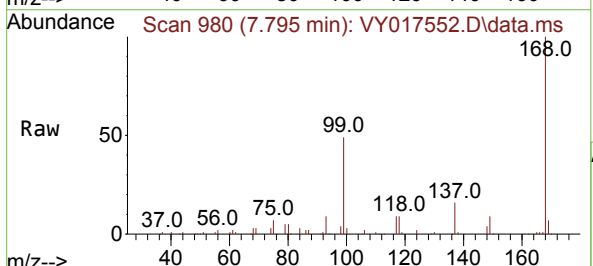
Instrument :
MSVOA_Y
ClientSampleId :
SP-8

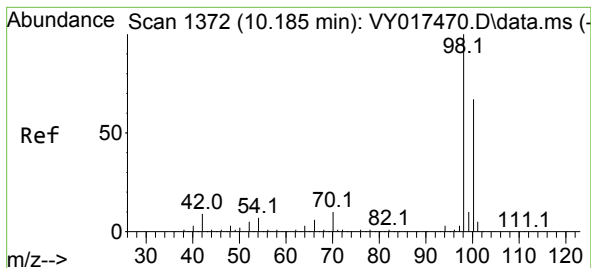
Tgt Ion: 75 Resp: 7848
Ion Ratio Lower Upper
75 100
110 7.4 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.422 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY017552.D
Acq: 01 Mar 2024 15:50

Tgt Ion: 117 Resp: 9805
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.6#
121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 46.306 ug/l

RT: 10.185 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY017552.D

Acq: 01 Mar 2024 15:50

Instrument :

MSVOA_Y

ClientSampleId :

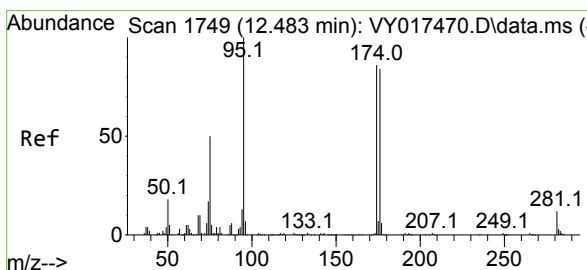
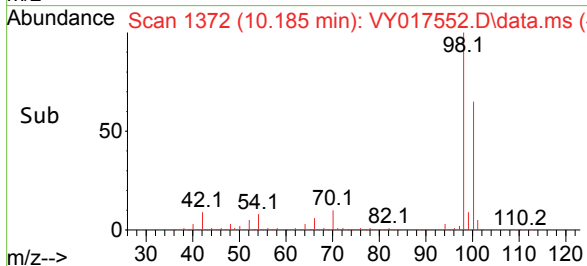
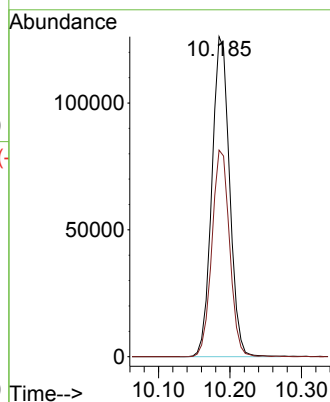
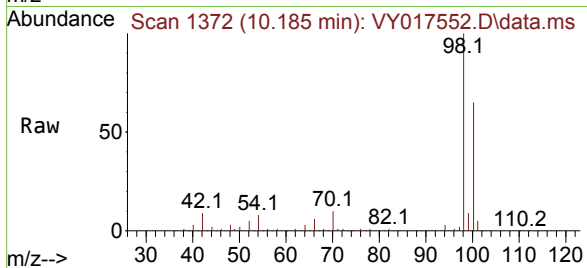
SP-8

Tgt Ion: 98 Resp: 216509

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 37.632 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VY017552.D

Acq: 01 Mar 2024 15:50

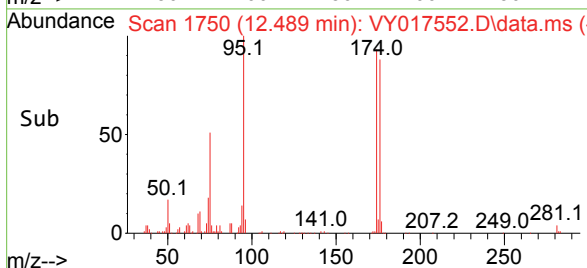
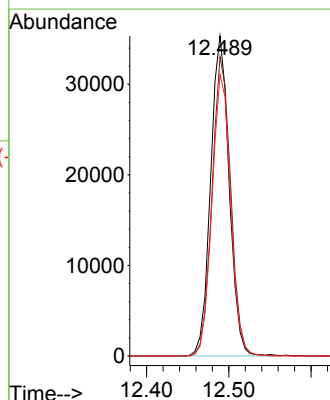
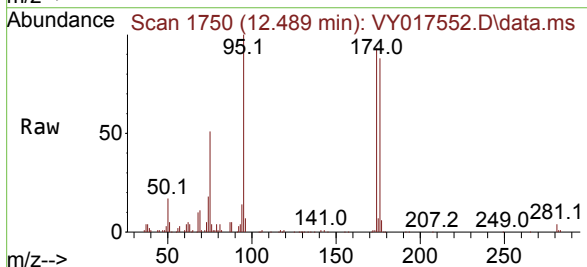
Tgt Ion: 95 Resp: 55297

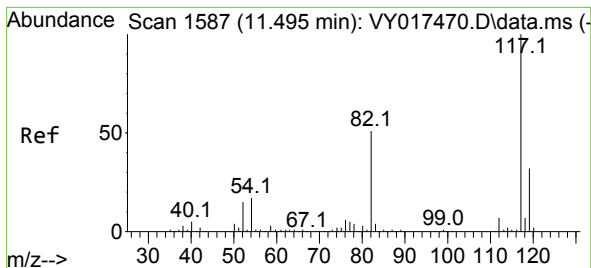
Ion Ratio Lower Upper

95 100

174 94.3 0.0 175.6

176 88.4 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY017552.D

Acq: 01 Mar 2024 15:50

Instrument :

MSVOA_Y

ClientSampleId :

SP-8

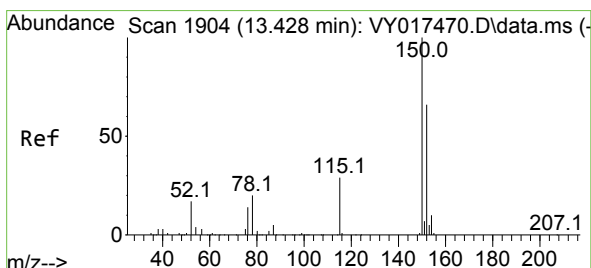
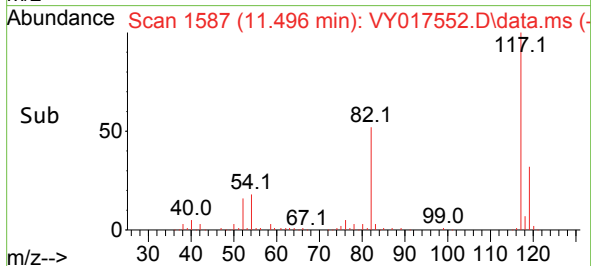
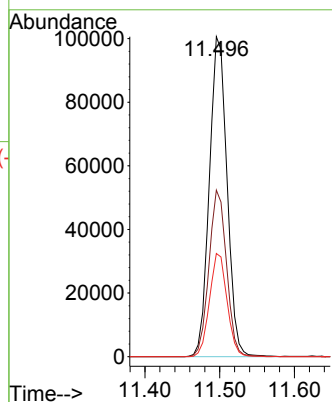
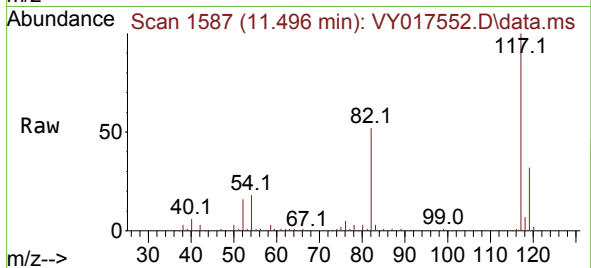
Tgt Ion:117 Resp: 165573

Ion Ratio Lower Upper

117 100

82 52.1 42.4 63.6

119 32.3 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY017552.D

Acq: 01 Mar 2024 15:50

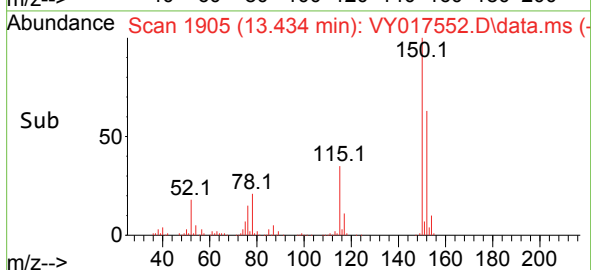
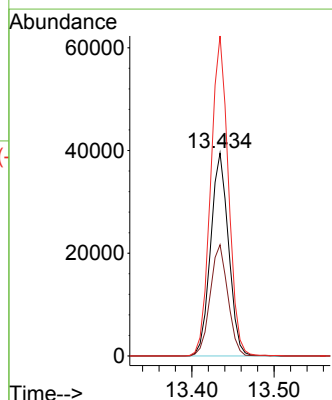
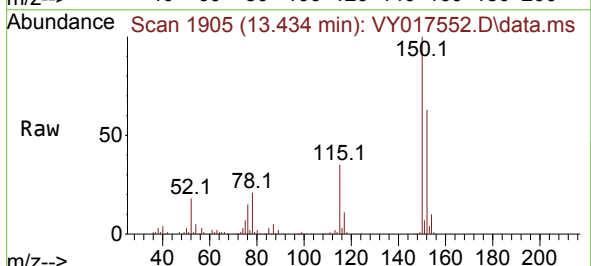
Tgt Ion:152 Resp: 59775

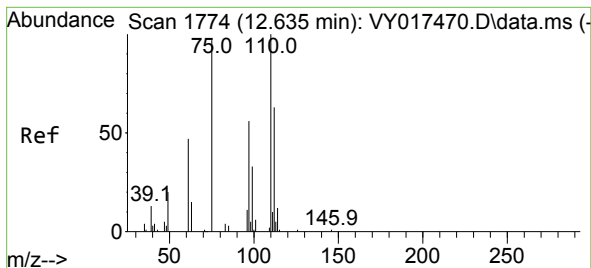
Ion Ratio Lower Upper

152 100

115 54.2 28.2 84.7

150 155.8 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 49.663 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.146 min

Lab File: VY017552.D

Acq: 01 Mar 2024 15:50

Instrument :

MSVOA_Y

ClientSampleId :

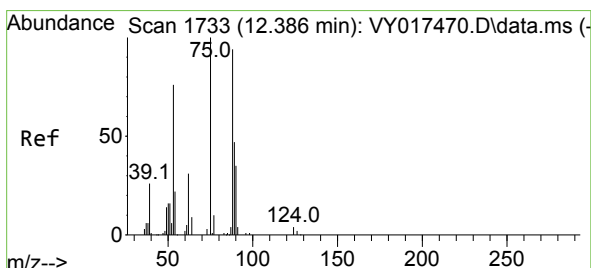
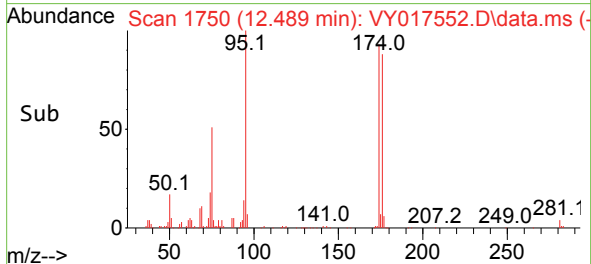
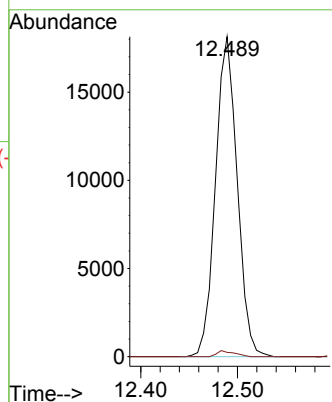
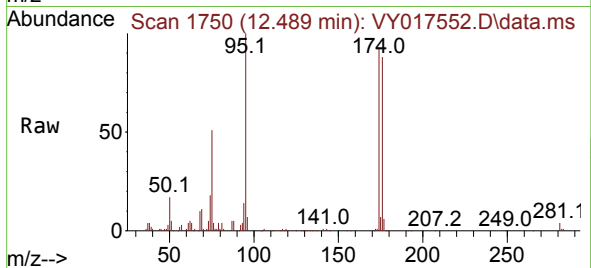
SP-8

Tgt Ion: 75 Resp: 28206

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 114.113 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.104 min

Lab File: VY017552.D

Acq: 01 Mar 2024 15:50

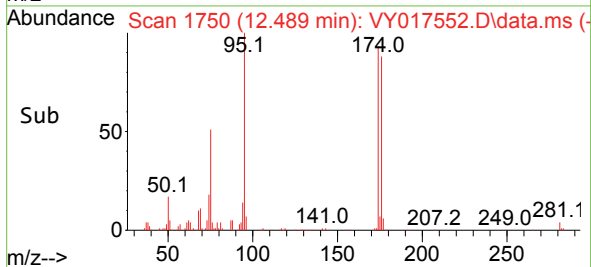
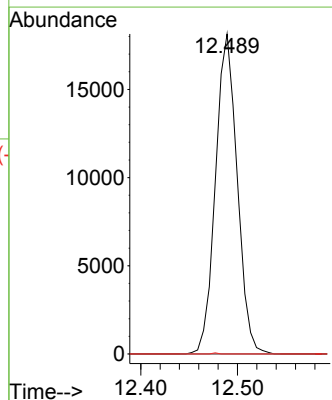
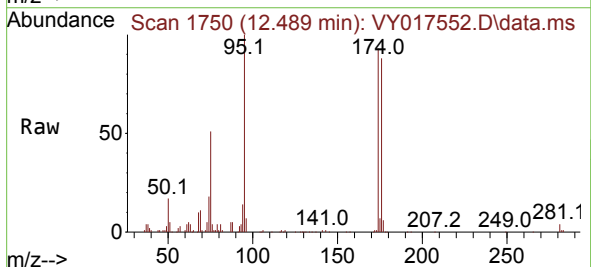
Tgt Ion: 75 Resp: 28206

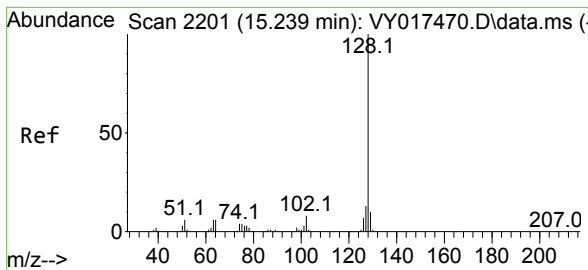
Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

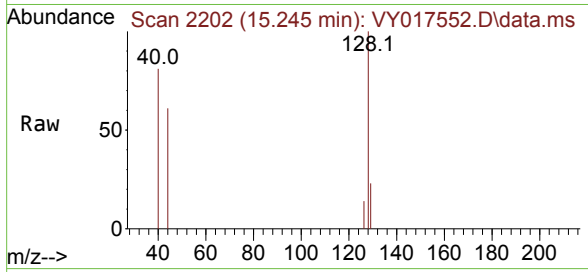
89 0.1 35.8 53.6#





#95
 Naphthalene
 Concen: 4.231 ug/l
 RT: 15.245 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY017552.D
 Acq: 01 Mar 2024 15:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-8



Tgt Ion:	128	Resp:	643
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	7.9	8.6	13.0#

