

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020524\
 Data File : VY017238.D
 Acq On : 05 Feb 2024 18:48
 Operator : SY/MD
 Sample : P1141-07
 Misc : 5.48g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EB-4-6-8

Quant Time: Feb 06 01:03:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

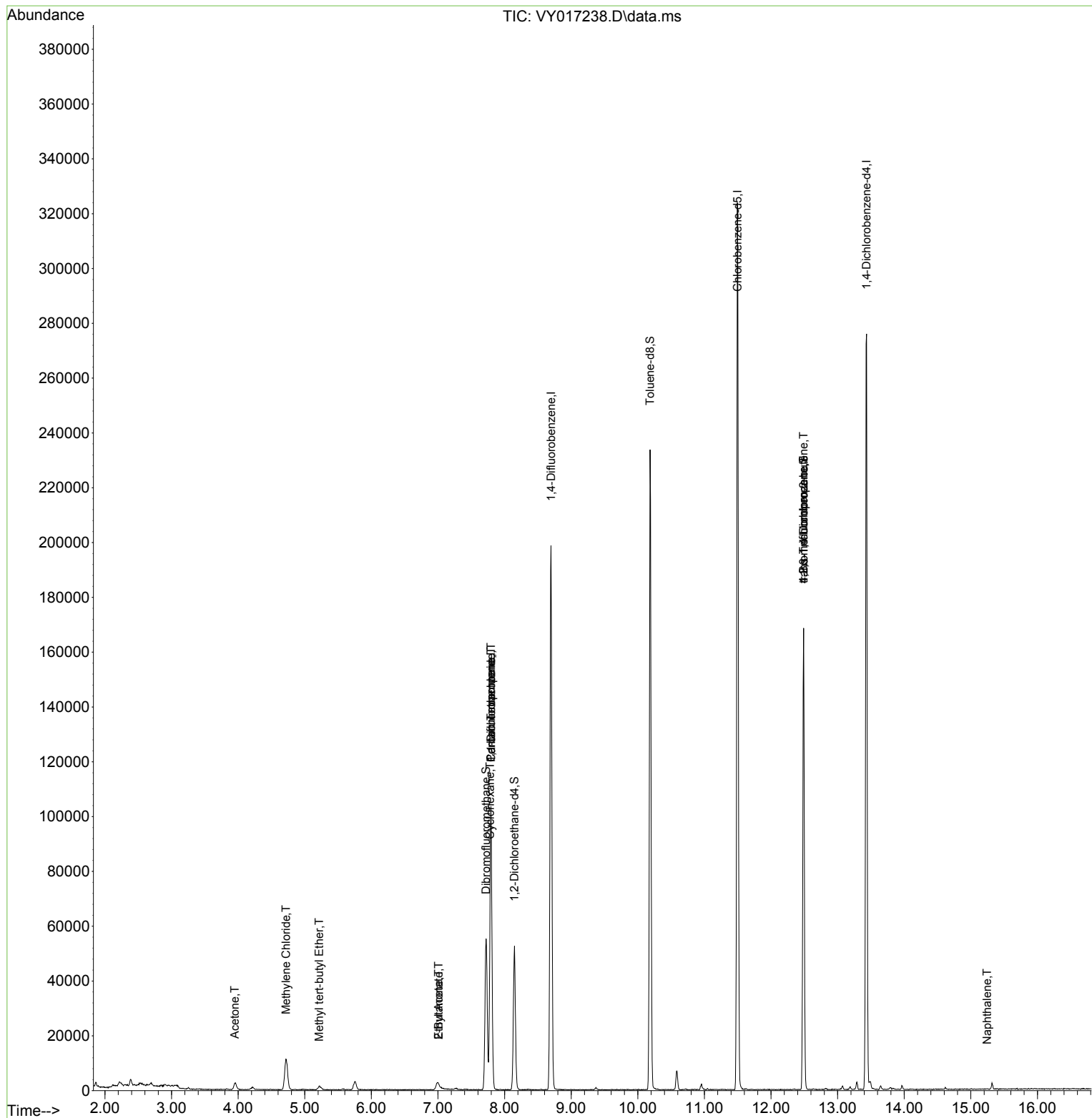
Internal Standards						
1) Pentafluorobenzene	7.795	168	77742	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	171268	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	175604	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	71134	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	38115	54.881	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.760%			
35) Dibromofluoromethane	7.722	113	40559	43.860	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 87.720%			
50) Toluene-d8	10.185	98	149318	44.349	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 88.700%			
62) 4-Bromofluorobenzene	12.489	95	51907	47.063	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.120%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	50	Below Cal	#	75
16) Acetone	3.948	43	4698	23.016	ug/l	97
19) Methyl tert-butyl Ether	5.216	73	2225	1.226	ug/l	99
20) Methylene Chloride	4.716	84	8618	7.318	ug/l	98
25) 2-Butanone	7.009	43	833	3.070	ug/l #	48
31) Cyclohexane	7.783	56	1841	1.315	ug/l #	46
36) 1,1-Dichloropropene	7.795	75	6490	4.069	ug/l #	49
37) Ethyl Acetate	7.009	43	833	1.126	ug/l #	69
38) Carbon Tetrachloride	7.795	117	7871	5.154	ug/l #	18
76) 1,2,3-Trichloropropane	12.489	75	26813	40.839	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	26813	84.858	ug/l #	12
95) Naphthalene	15.245	128	208	3.526	ug/l #	69

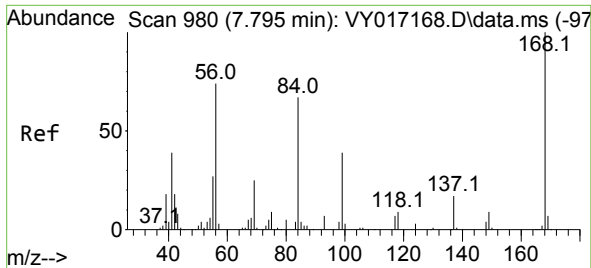
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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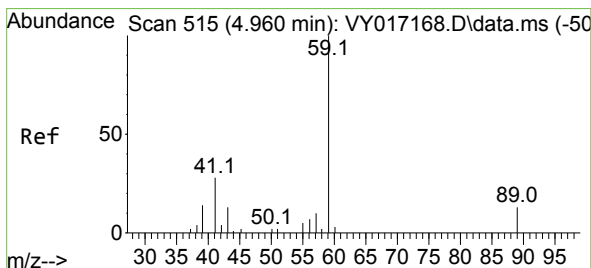
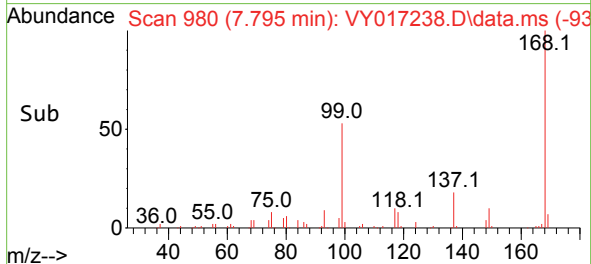
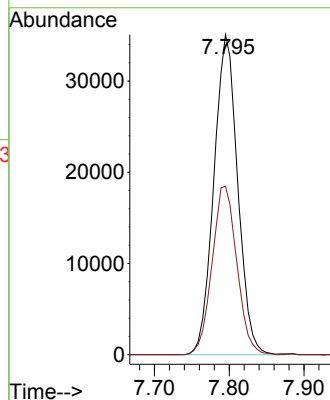
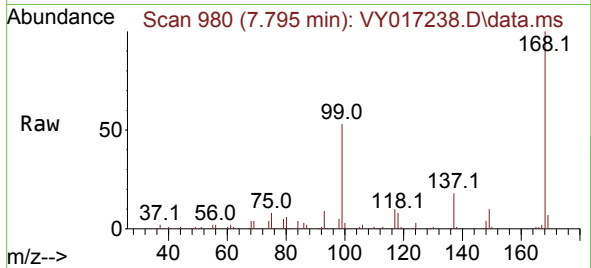




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY017238.D
Acq: 05 Feb 2024 18:48

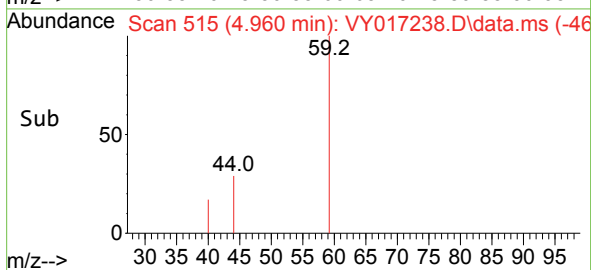
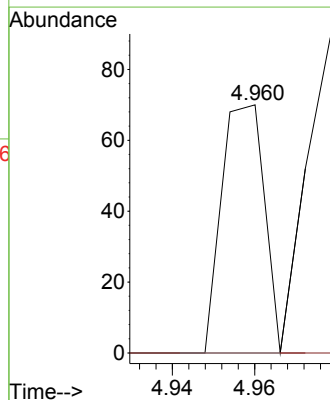
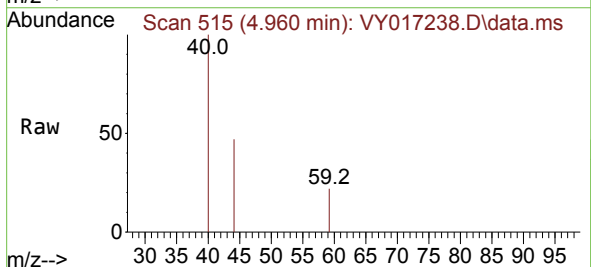
Instrument :
MSVOA_Y
ClientSampleId :
EB-4-6-8

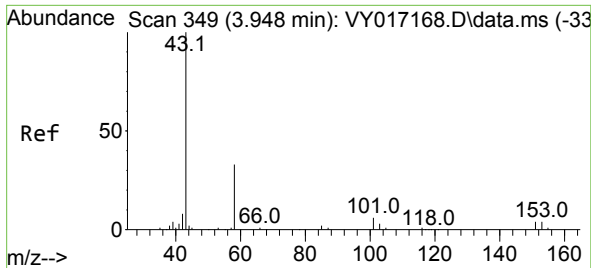
Tgt Ion:168 Resp: 77742
Ion Ratio Lower Upper
168 100
99 52.7 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY017238.D
Acq: 05 Feb 2024 18:48

Tgt Ion: 59 Resp: 50
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

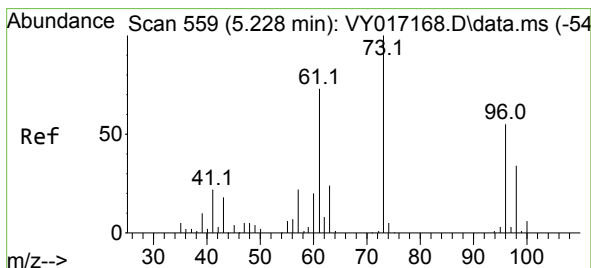
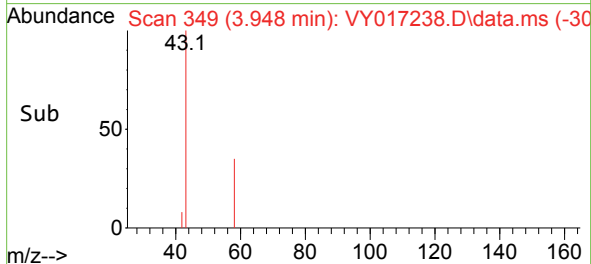
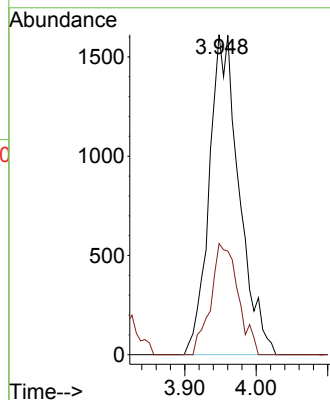
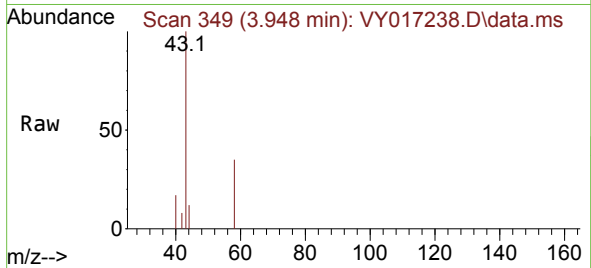




#16
Acetone
Concen: 23.016 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY017238.D
Acq: 05 Feb 2024 18:48

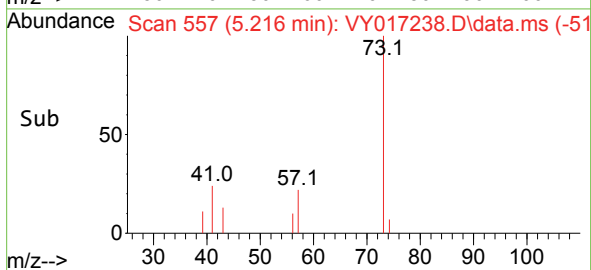
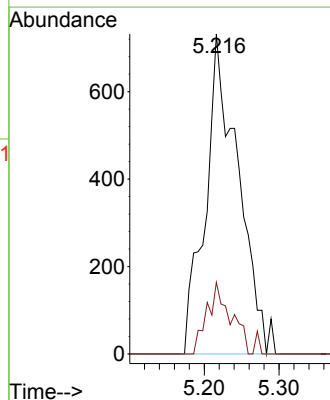
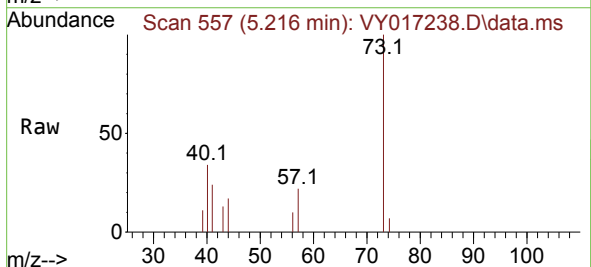
Instrument :
MSVOA_Y
ClientSampleId :
EB-4-6-8

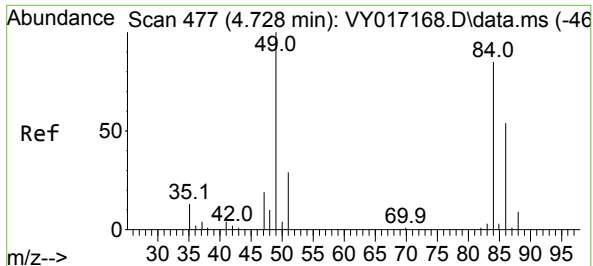
Tgt Ion: 43 Resp: 4698
Ion Ratio Lower Upper
43 100
58 34.7 26.6 39.8



#19
Methyl tert-butyl Ether
Concen: 1.226 ug/l
RT: 5.216 min Scan# 557
Delta R.T. -0.012 min
Lab File: VY017238.D
Acq: 05 Feb 2024 18:48

Tgt Ion: 73 Resp: 2225
Ion Ratio Lower Upper
73 100
57 22.4 17.7 26.5





#20

Methylene Chloride

Concen: 7.318 ug/l

RT: 4.716 min Scan# 41

Delta R.T. -0.012 min

Lab File: VY017238.D

Acq: 05 Feb 2024 18:48

Instrument :

MSVOA_Y

ClientSampleId :

EB-4-6-8

Tgt Ion: 84 Resp: 8618

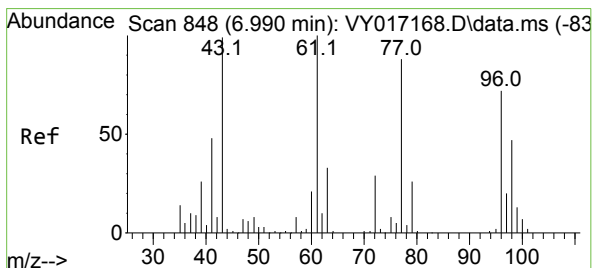
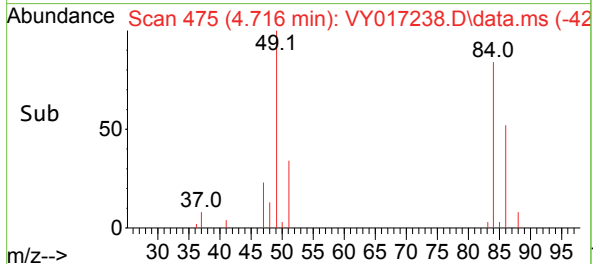
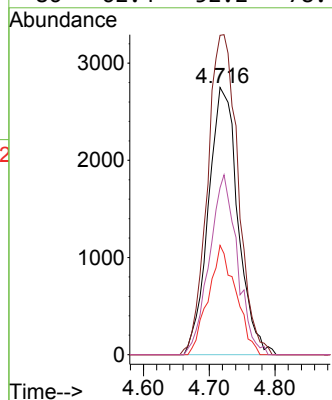
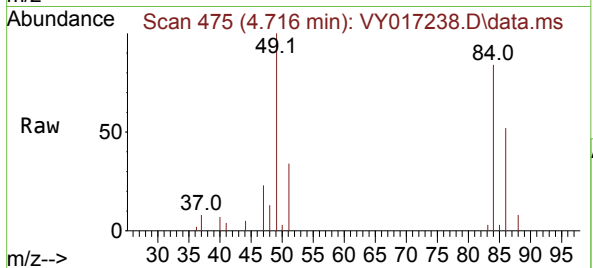
Ion Ratio Lower Upper

84 100

49 119.5 95.2 142.8

51 40.9 29.9 44.9

86 62.4 52.2 78.4



#25

2-Butanone

Concen: 3.070 ug/l

RT: 7.009 min Scan# 851

Delta R.T. 0.019 min

Lab File: VY017238.D

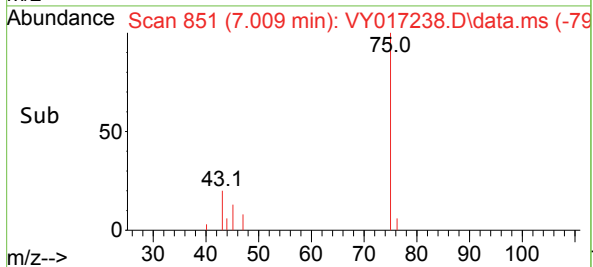
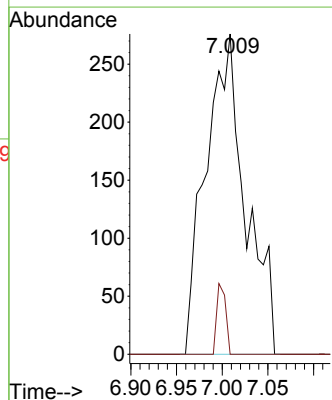
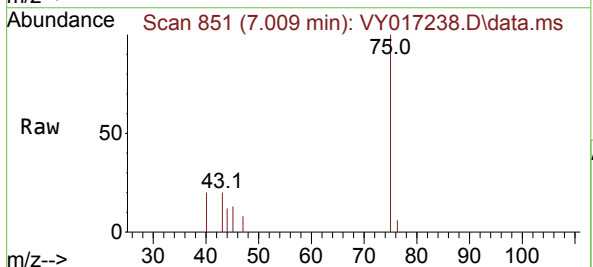
Acq: 05 Feb 2024 18:48

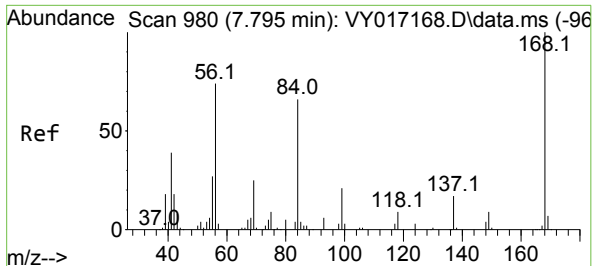
Tgt Ion: 43 Resp: 833

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#

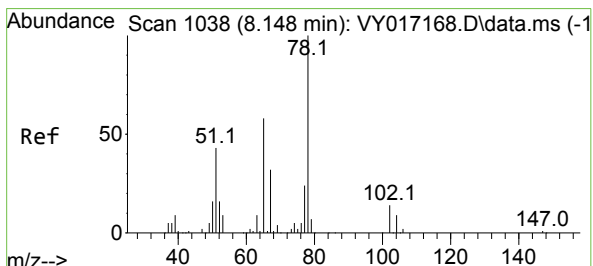
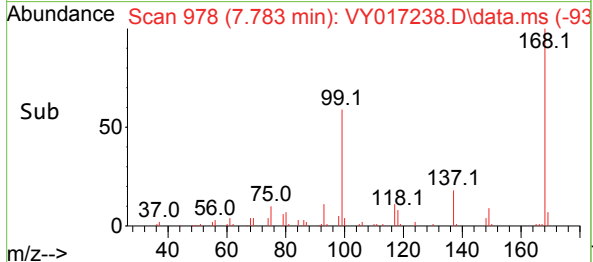
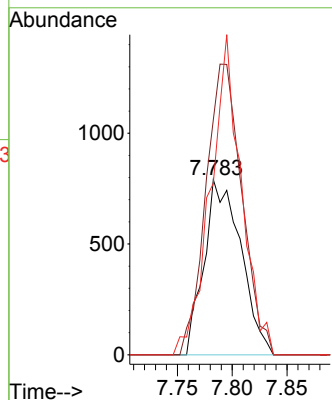
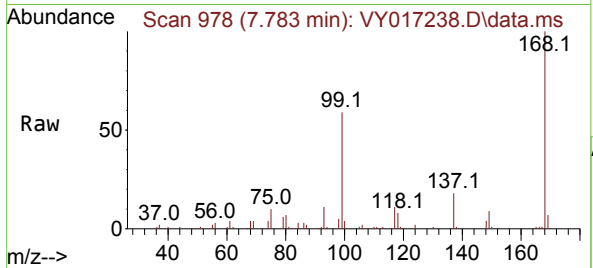




#31
Cyclohexane
Concen: 1.315 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY017238.D
Acq: 05 Feb 2024 18:48

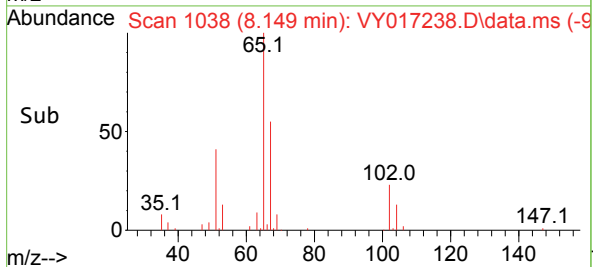
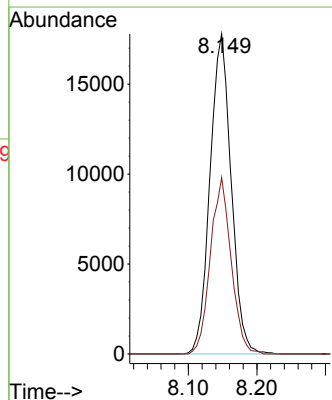
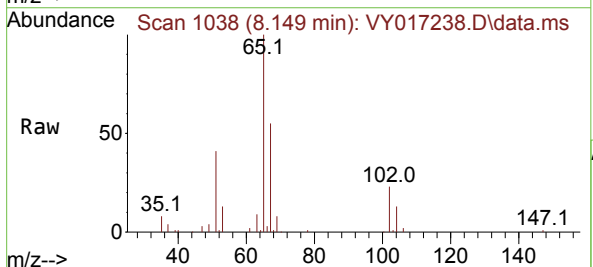
Instrument :
MSVOA_Y
ClientSampleId :
EB-4-6-8

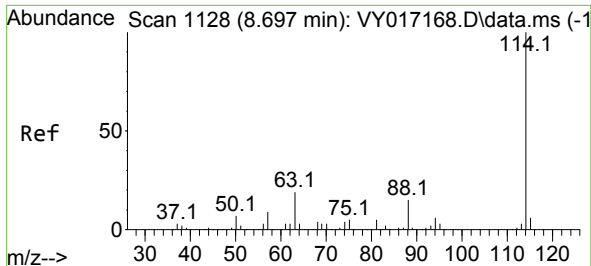
Tgt Ion: 56 Resp: 1841
Ion Ratio Lower Upper
56 100
69 134.1 27.0 40.6#
84 97.9 71.8 107.6



#33
1,2-Dichloroethane-d4
Concen: 54.881 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY017238.D
Acq: 05 Feb 2024 18:48

Tgt Ion: 65 Resp: 38115
Ion Ratio Lower Upper
65 100
67 54.0 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY017238.D

Acq: 05 Feb 2024 18:48

Instrument :

MSVOA_Y

ClientSampleId :

EB-4-6-8

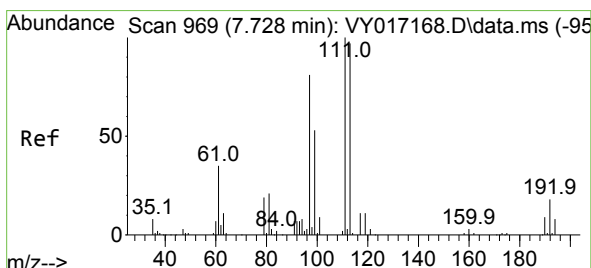
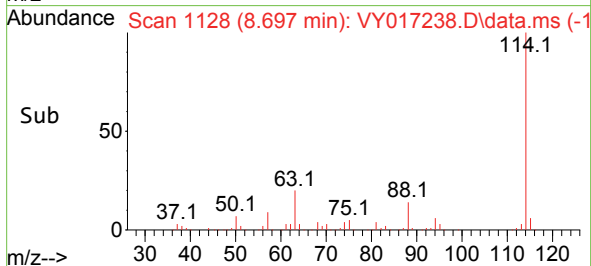
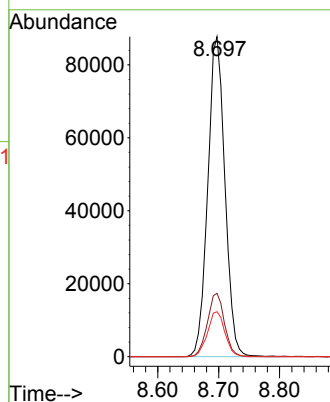
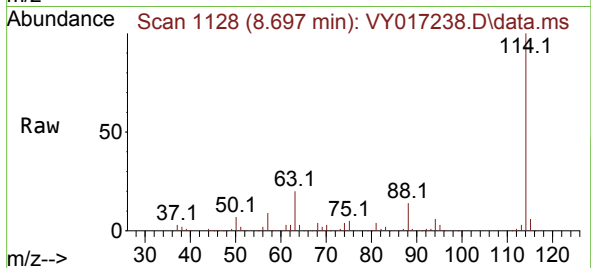
Tgt Ion:114 Resp: 171268

Ion Ratio Lower Upper

114 100

63 19.8 0.0 37.4

88 14.0 0.0 29.0



#35

Dibromofluoromethane

Concen: 43.860 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.006 min

Lab File: VY017238.D

Acq: 05 Feb 2024 18:48

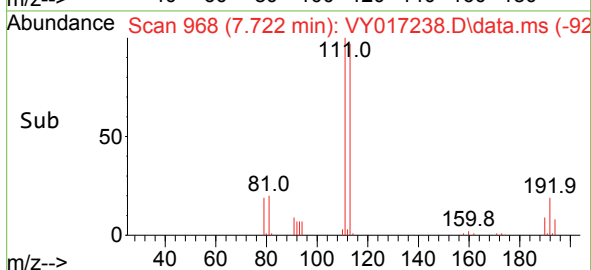
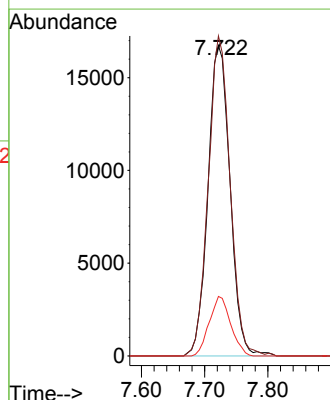
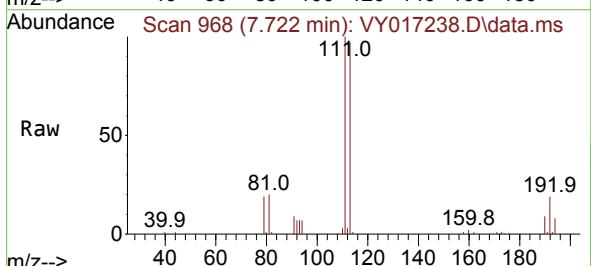
Tgt Ion:113 Resp: 40559

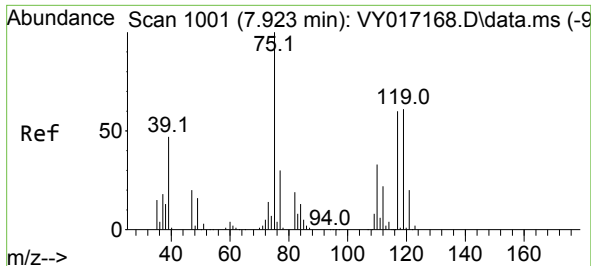
Ion Ratio Lower Upper

113 100

111 102.1 83.8 125.6

192 18.6 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.069 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY017238.D

Acq: 05 Feb 2024 18:48

Instrument :

MSVOA_Y

ClientSampleId :

EB-4-6-8

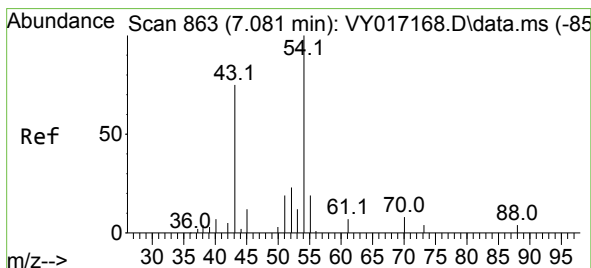
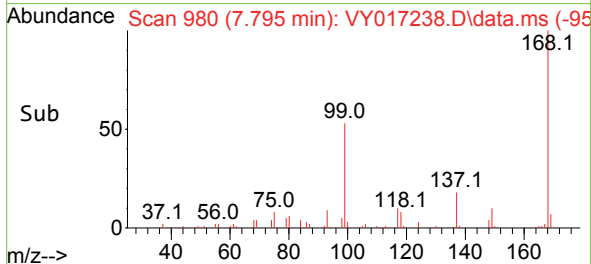
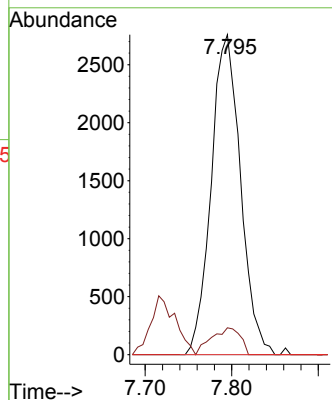
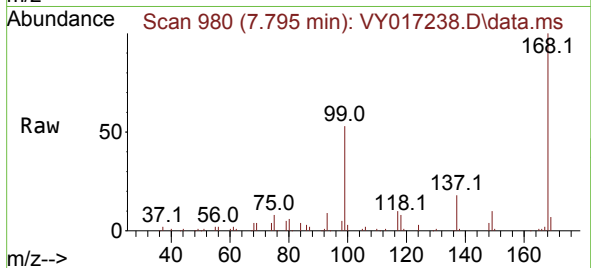
Tgt Ion: 75 Resp: 6490

Ion Ratio Lower Upper

75 100

110 8.3 17.4 52.3#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 1.126 ug/l

RT: 7.009 min Scan# 851

Delta R.T. -0.073 min

Lab File: VY017238.D

Acq: 05 Feb 2024 18:48

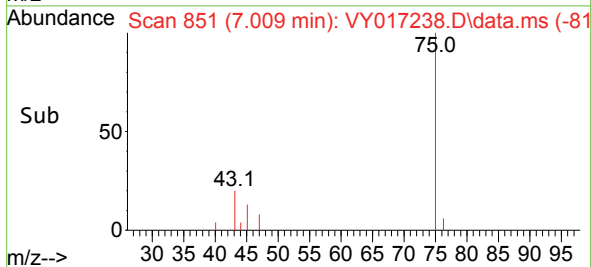
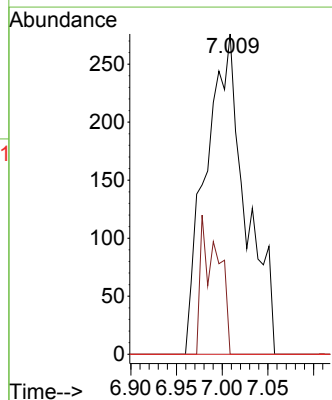
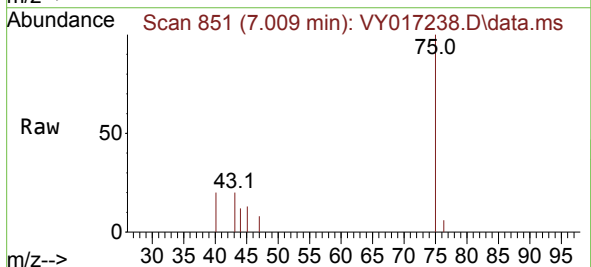
Tgt Ion: 43 Resp: 833

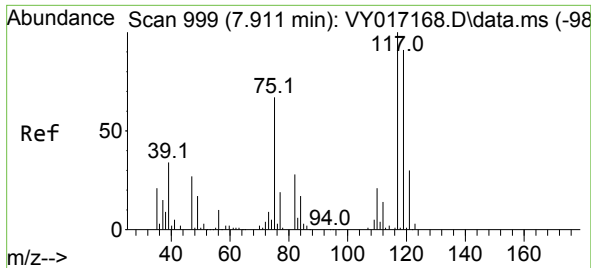
Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.6#

70 0.0 8.1 12.1#

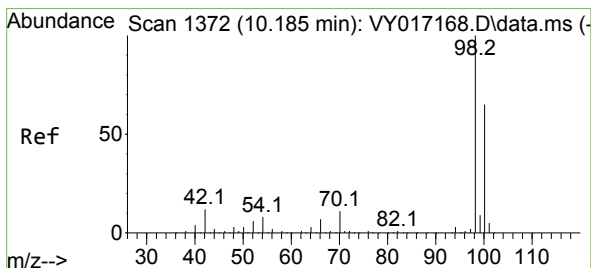
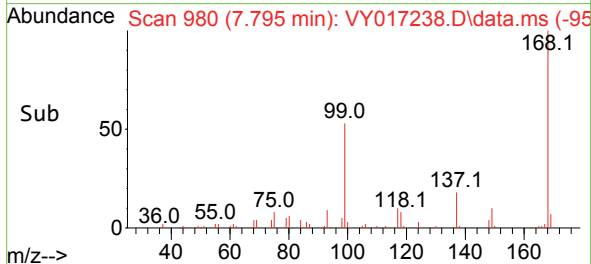
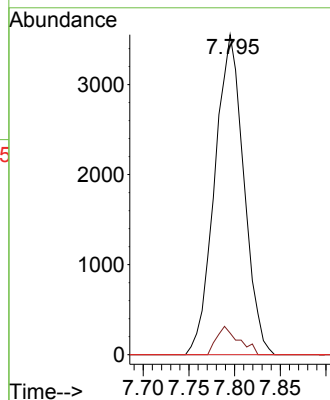
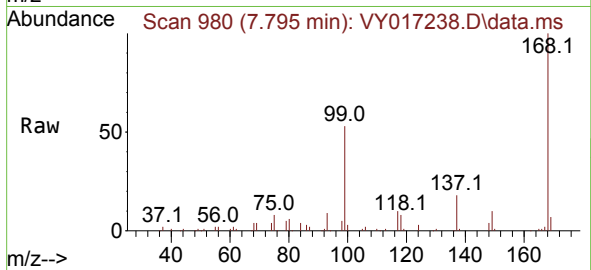




#38
Carbon Tetrachloride
Concen: 5.154 ug/l
RT: 7.795 min Scan# 999
Delta R.T. -0.116 min
Lab File: VY017238.D
Acq: 05 Feb 2024 18:48

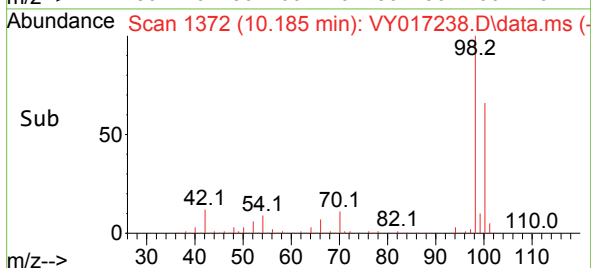
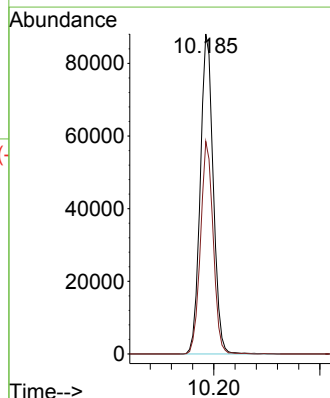
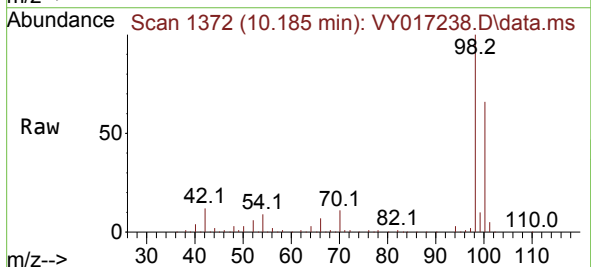
Instrument :
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EB-4-6-8

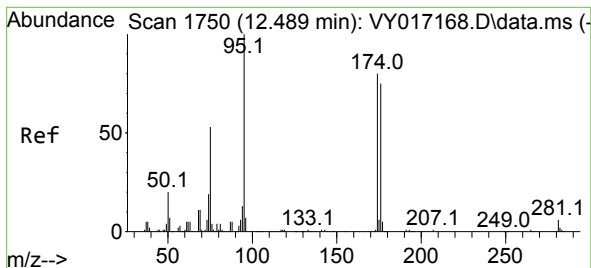
Tgt Ion:117 Resp: 7871
Ion Ratio Lower Upper
117 100
119 6.8 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 44.349 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY017238.D
Acq: 05 Feb 2024 18:48

Tgt Ion: 98 Resp: 149318
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5

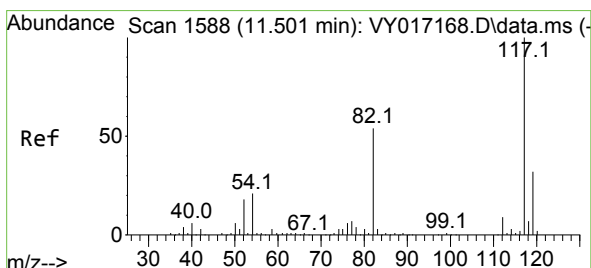
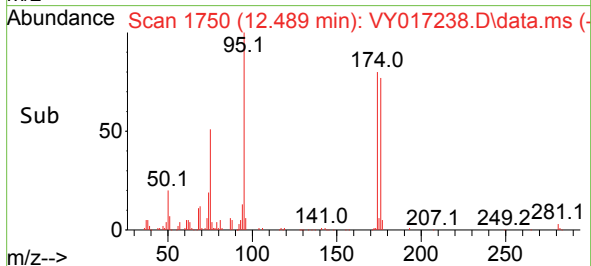
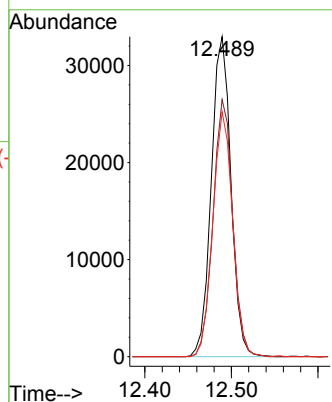
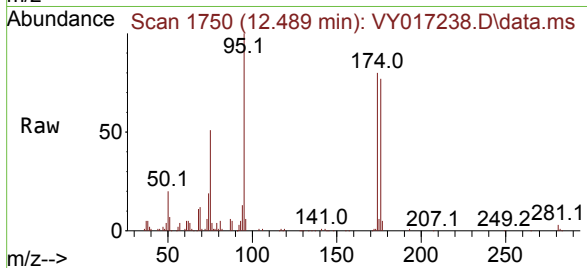




#62
4-Bromofluorobenzene
Concen: 47.063 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017238.D
Acq: 05 Feb 2024 18:48

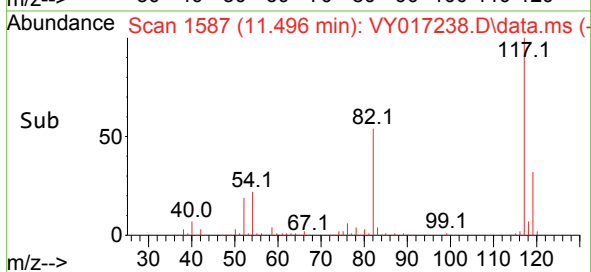
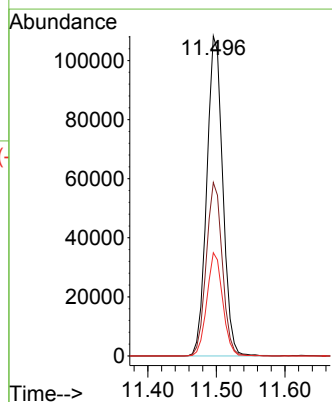
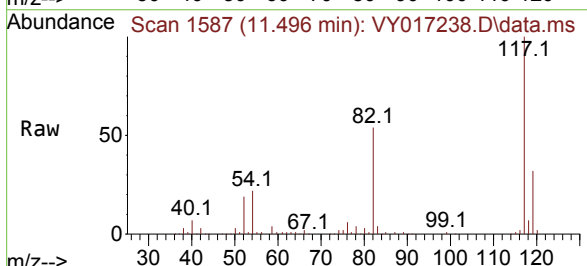
Instrument :
MSVOA_Y
ClientSampleId :
EB-4-6-8

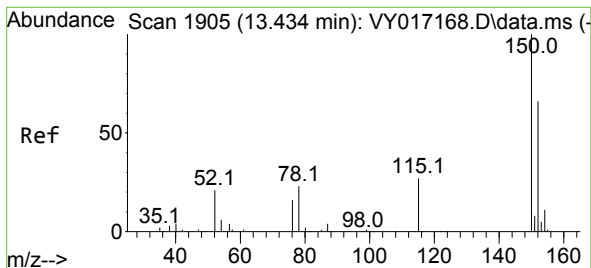
Tgt Ion:	95	Resp:	51907
Ion	Ratio	Lower	Upper
95	100		
174	80.5	0.0	160.0
176	77.4	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY017238.D
Acq: 05 Feb 2024 18:48

Tgt Ion:	117	Resp:	175604
Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.8	65.8
119	32.3	26.5	39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY017238.D

Acq: 05 Feb 2024 18:48

Instrument :

MSVOA_Y

ClientSampleId :

EB-4-6-8

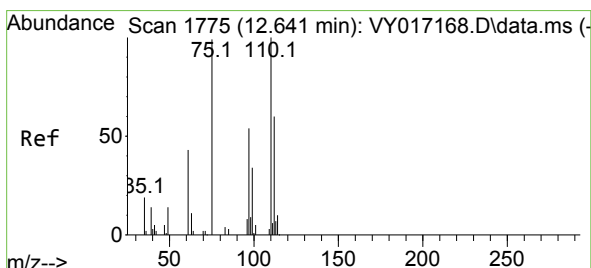
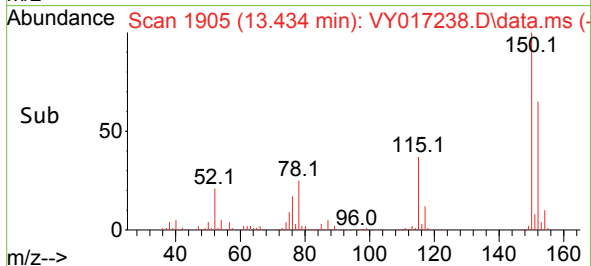
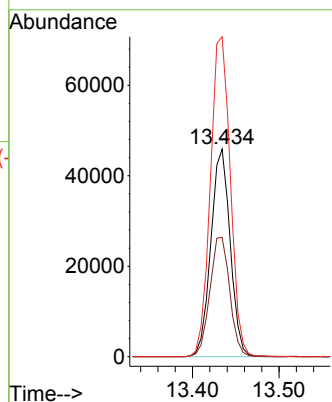
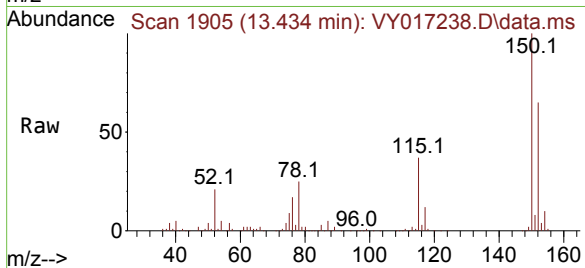
Tgt Ion:152 Resp: 71134

Ion Ratio Lower Upper

152 100

115 59.1 30.0 90.0

150 159.3 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 40.839 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY017238.D

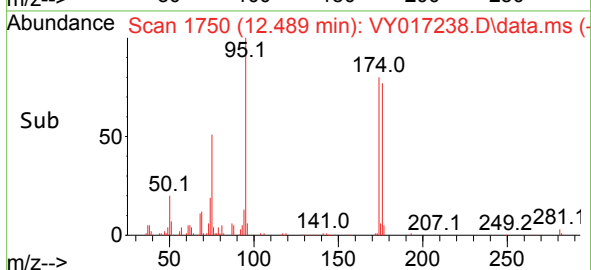
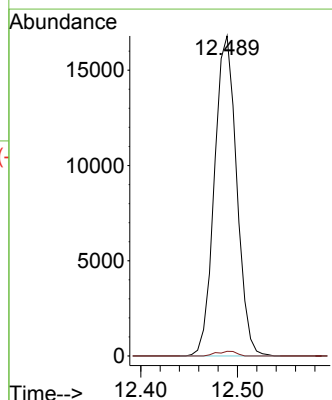
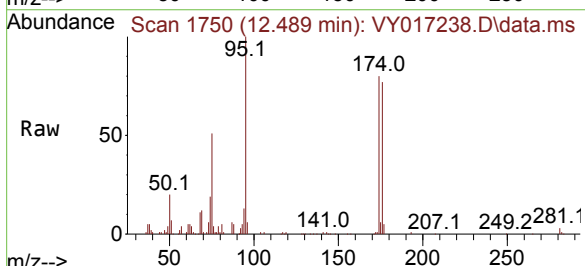
Acq: 05 Feb 2024 18:48

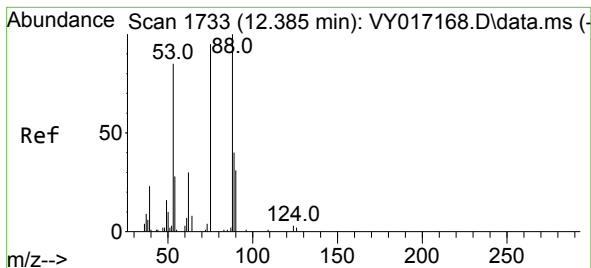
Tgt Ion: 75 Resp: 26813

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

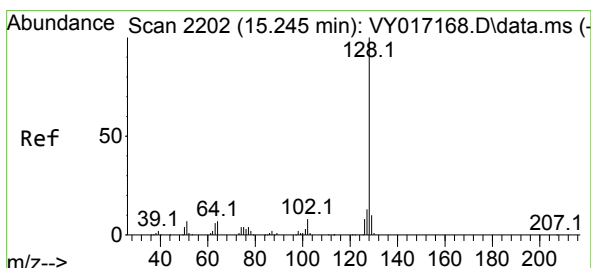
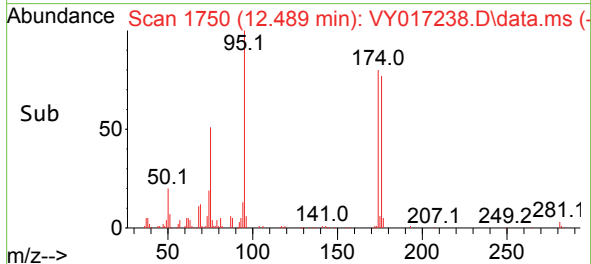
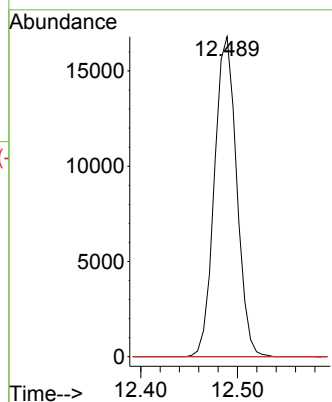
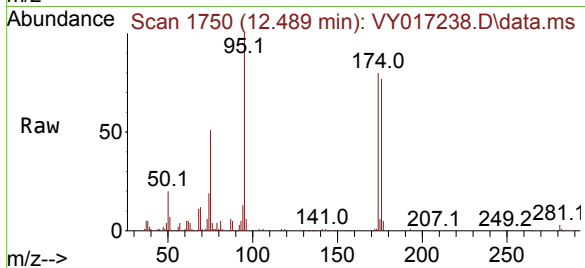




#81
trans-1,4-Dichloro-2-butene
Concen: 84.858 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY017238.D
Acq: 05 Feb 2024 18:48

Instrument :
MSVOA_Y
ClientSampleId :
EB-4-6-8

Tgt Ion: 75 Resp: 26813
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#95
Naphthalene
Concen: 3.526 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY017238.D
Acq: 05 Feb 2024 18:48

Tgt Ion: 128 Resp: 208
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

