

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020524\
 Data File : VY017228.D
 Acq On : 05 Feb 2024 14:53
 Operator : SY/MD
 Sample : P1367-11
 Misc : 5.59g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EB-5-0-2

Quant Time: Feb 06 01:00:13 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)

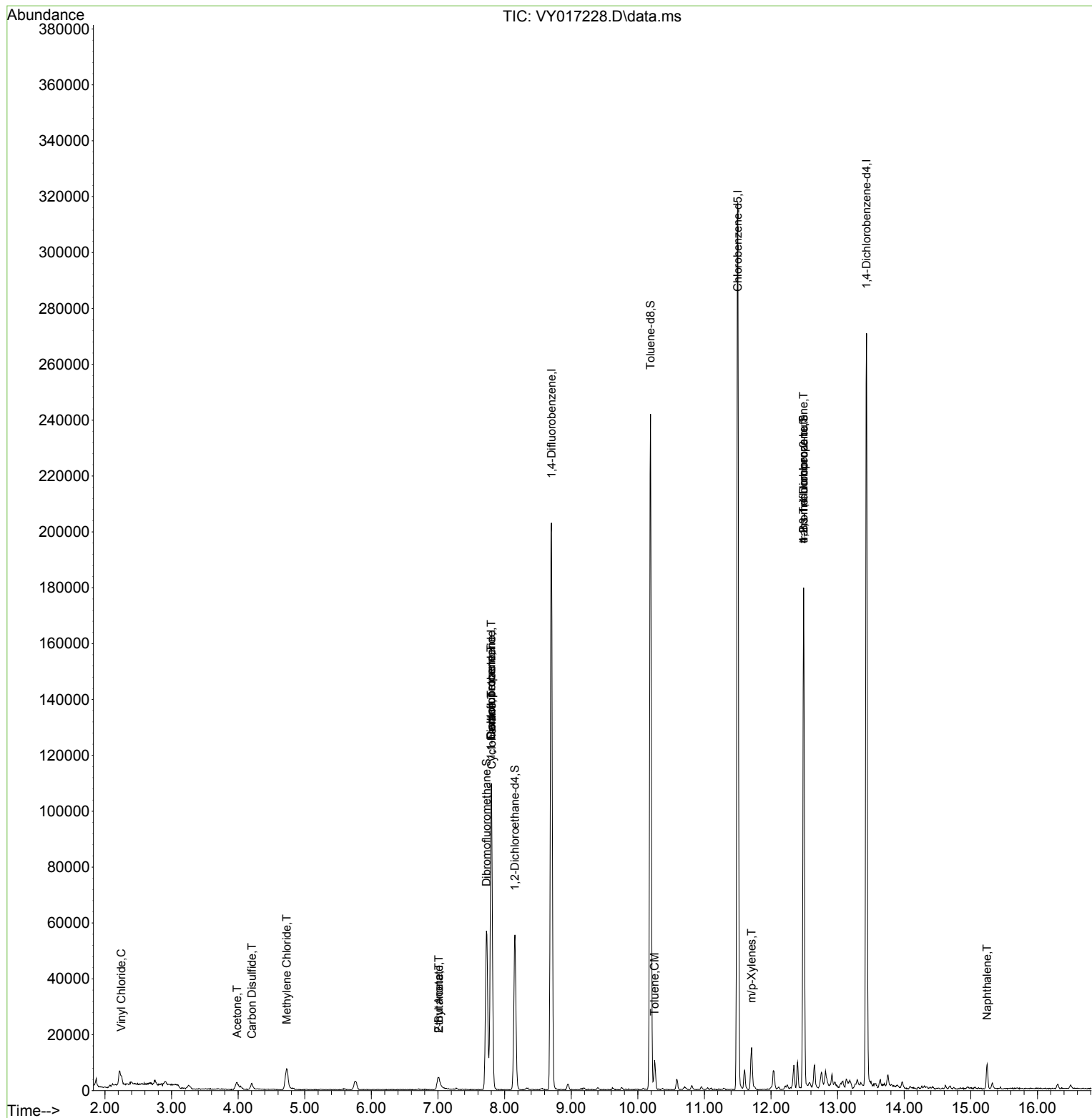
Internal Standards						
1) Pentafluorobenzene	7.801	168	84087	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	178310	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	179352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	67810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	39989	53.235	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.460%			
35) Dibromofluoromethane	7.728	113	41424	43.026	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 86.060%			
50) Toluene-d8	10.191	98	157748	45.002	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 90.000%			
62) 4-Bromofluorobenzene	12.489	95	54309	47.296	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.600%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.247	62	1721	1.233	ug/l	96
11) Tert butyl alcohol	5.027	59	90	Below Cal	#	75
13) Acrolein	3.747	56	68	Below Cal	#	15
16) Acetone	3.985	43	6312	28.589	ug/l	92
17) Carbon Disulfide	4.204	76	4241	1.630	ug/l	96
20) Methylene Chloride	4.728	84	5949	3.307	ug/l	96
25) 2-Butanone	7.015	43	1776	6.051	ug/l	97
31) Cyclohexane	7.807	56	1931	1.275	ug/l #	7
36) 1,1-Dichloropropene	7.795	75	7026	4.231	ug/l #	49
37) Ethyl Acetate	7.015	43	1776	2.306	ug/l #	24
38) Carbon Tetrachloride	7.801	117	8243	5.184	ug/l #	16
52) Toluene	10.252	92	4374	1.528	ug/l	95
68) m/p-Xylenes	11.709	106	4267	1.798	ug/l	99
76) 1,2,3-Trichloropropane	12.489	75	28610	45.712	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	28610	94.983	ug/l #	12
95) Naphthalene	15.245	128	7519	7.326	ug/l	99

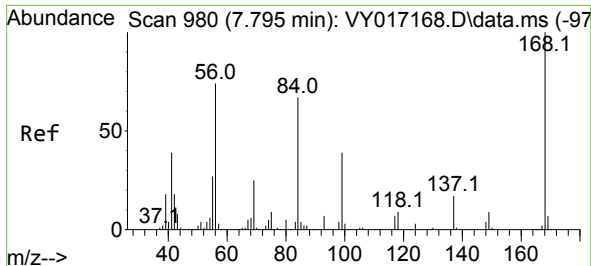
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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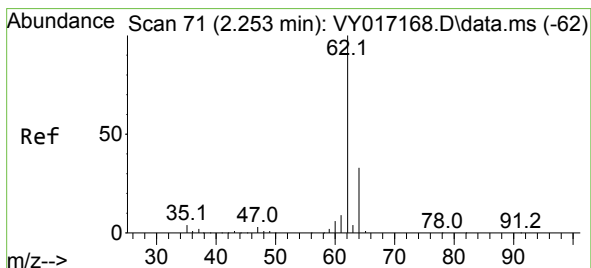
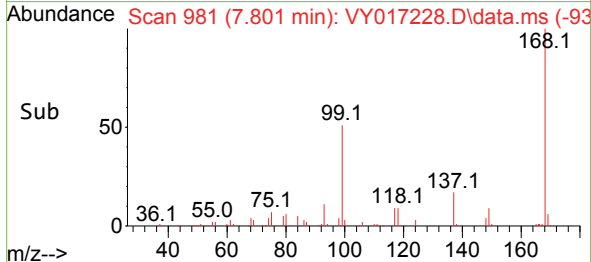
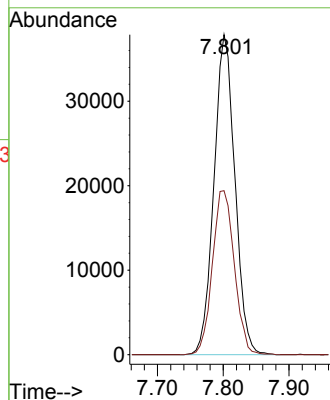
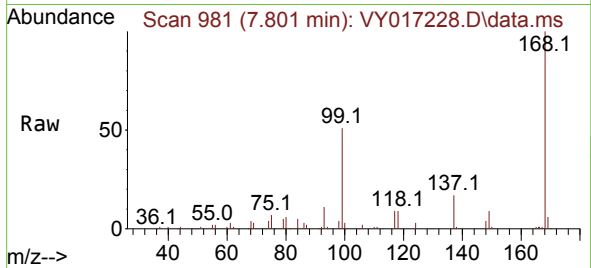




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017228.D
Acq: 05 Feb 2024 14:53

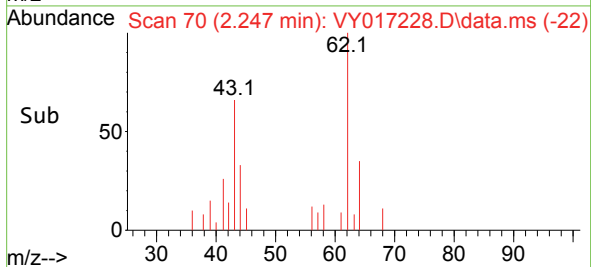
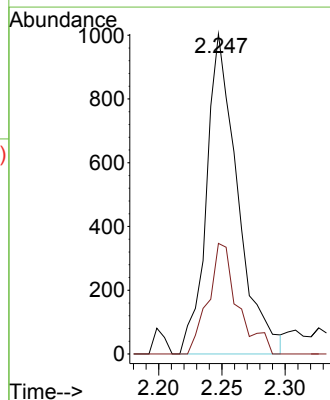
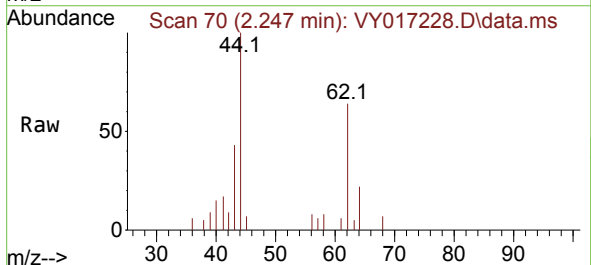
Instrument :
MSVOA_Y
ClientSampleId :
EB-5-0-2

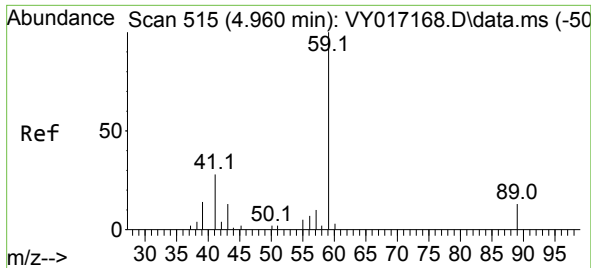
Tgt Ion:168 Resp: 84087
Ion Ratio Lower Upper
168 100
99 51.3 44.2 66.4



#4
Vinyl Chloride
Concen: 1.233 ug/l
RT: 2.247 min Scan# 70
Delta R.T. -0.006 min
Lab File: VY017228.D
Acq: 05 Feb 2024 14:53

Tgt Ion: 62 Resp: 1721
Ion Ratio Lower Upper
62 100
64 34.6 25.7 38.5

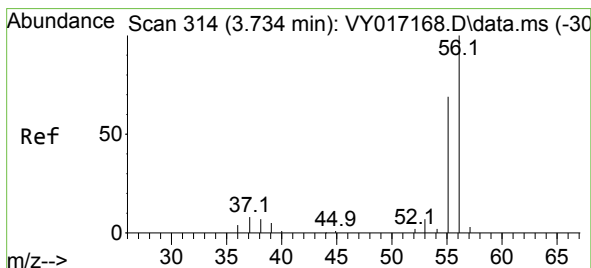
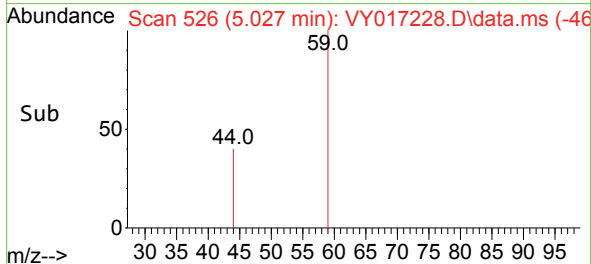
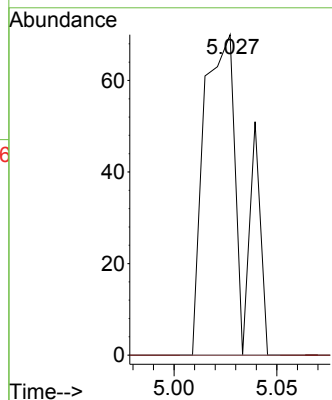
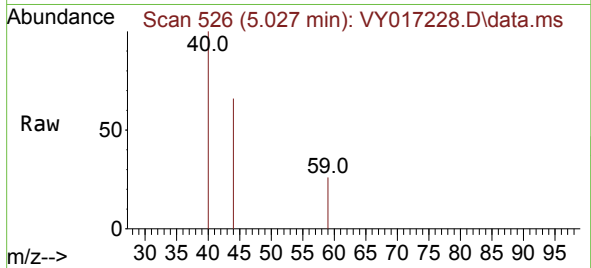




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.027 min Scan# 51
Delta R.T. 0.067 min
Lab File: VY017228.D
Acq: 05 Feb 2024 14:53

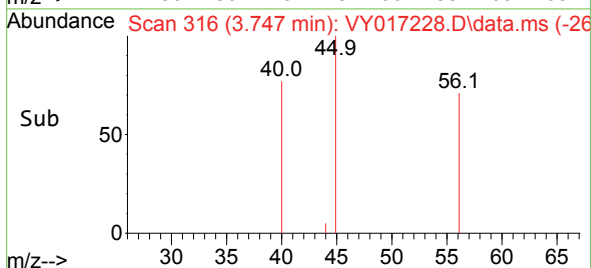
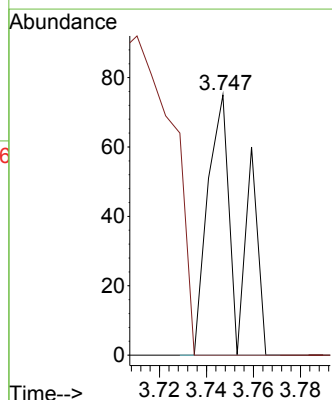
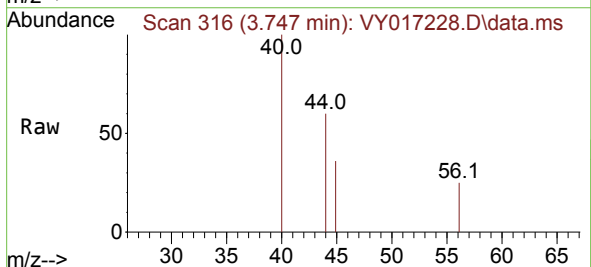
Instrument :
MSVOA_Y
ClientSampleId :
EB-5-0-2

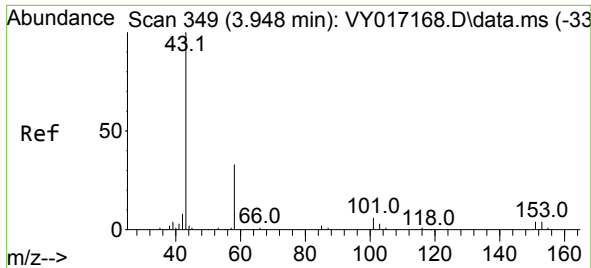
Tgt Ion: 59 Resp: 90
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



#13
Acrolein
Concen: Below Cal
RT: 3.747 min Scan# 316
Delta R.T. 0.013 min
Lab File: VY017228.D
Acq: 05 Feb 2024 14:53

Tgt Ion: 56 Resp: 68
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.0#

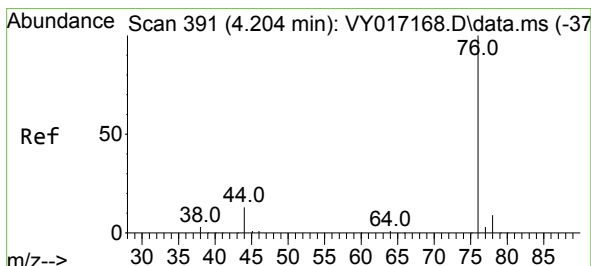
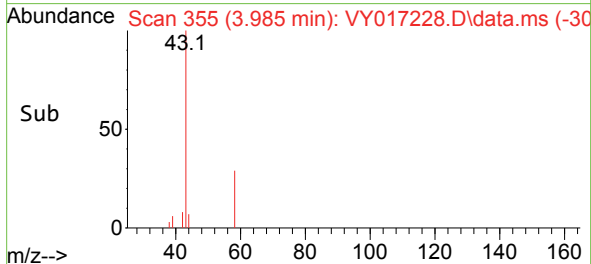
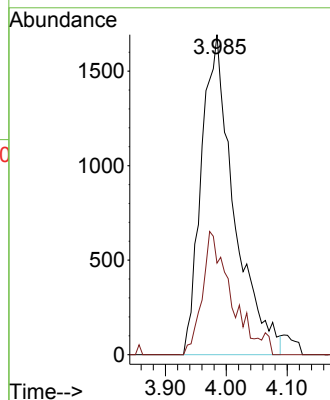
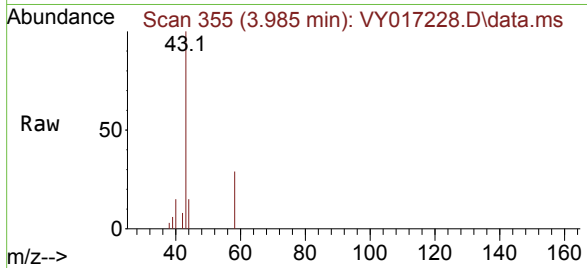




#16
Acetone
Concen: 28.589 ug/l
RT: 3.985 min Scan# 31
Delta R.T. 0.037 min
Lab File: VY017228.D
Acq: 05 Feb 2024 14:53

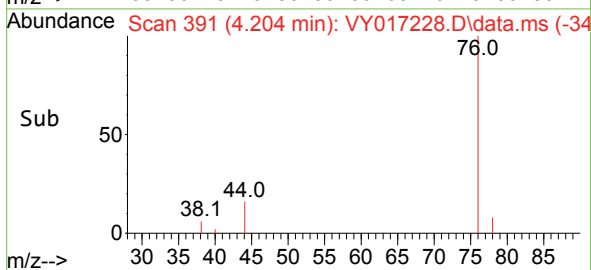
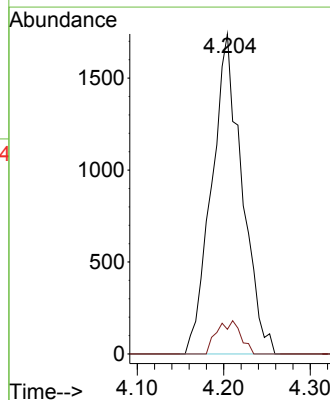
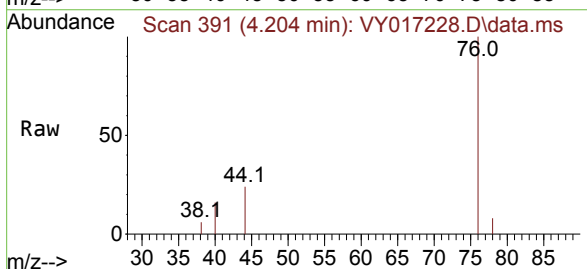
Instrument :
MSVOA_Y
ClientSampleId :
EB-5-0-2

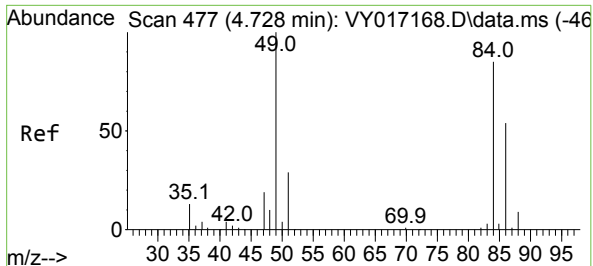
Tgt Ion: 43 Resp: 6312
Ion Ratio Lower Upper
43 100
58 28.6 26.6 39.8



#17
Carbon Disulfide
Concen: 1.630 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY017228.D
Acq: 05 Feb 2024 14:53

Tgt Ion: 76 Resp: 4241
Ion Ratio Lower Upper
76 100
78 7.7 7.4 11.0



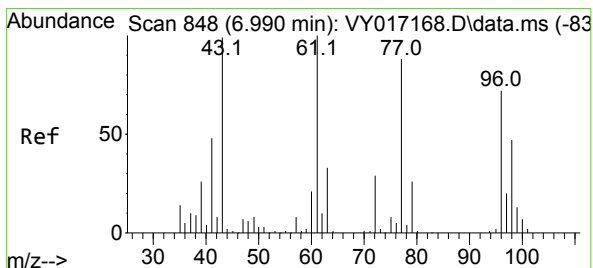
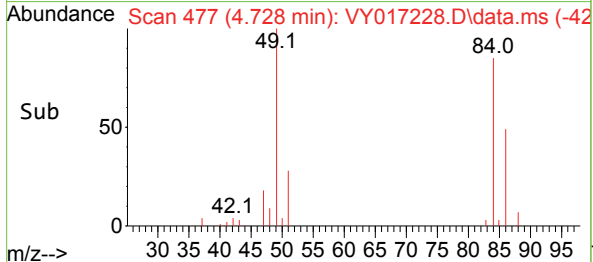
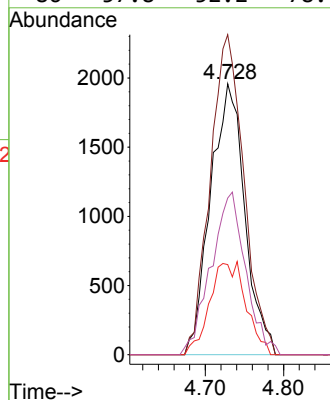
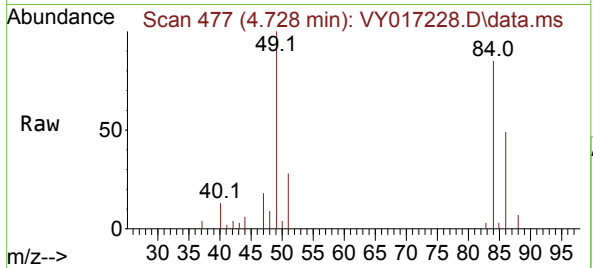


#20
Methylene Chloride
Concen: 3.307 ug/l
RT: 4.728 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY017228.D
Acq: 05 Feb 2024 14:53

Instrument :
MSVOA_Y
ClientSampleId :
EB-5-0-2

Tgt Ion: 84 Resp: 5949

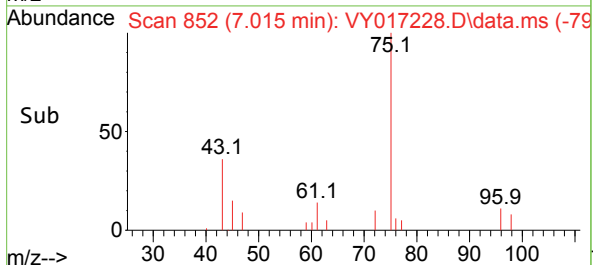
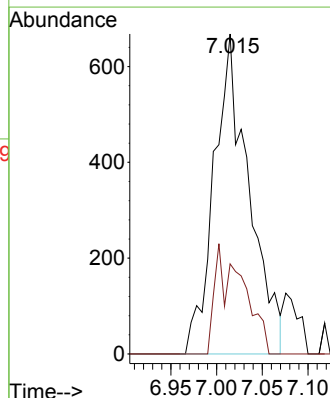
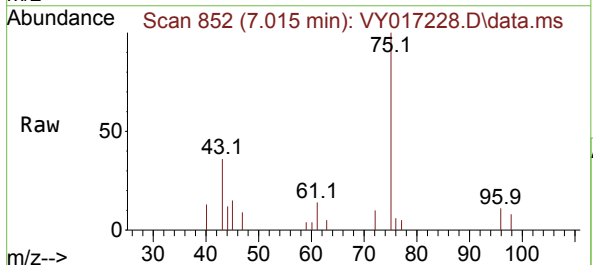
Ion	Ratio	Lower	Upper
84	100		
49	118.1	95.2	142.8
51	33.2	29.9	44.9
86	57.8	52.2	78.4

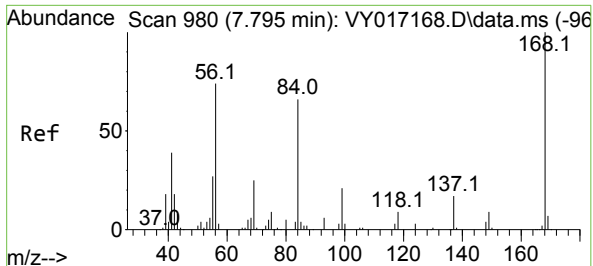


#25
2-Butanone
Concen: 6.051 ug/l
RT: 7.015 min Scan# 852
Delta R.T. 0.025 min
Lab File: VY017228.D
Acq: 05 Feb 2024 14:53

Tgt Ion: 43 Resp: 1776

Ion	Ratio	Lower	Upper
43	100		
72	28.1	21.4	32.2

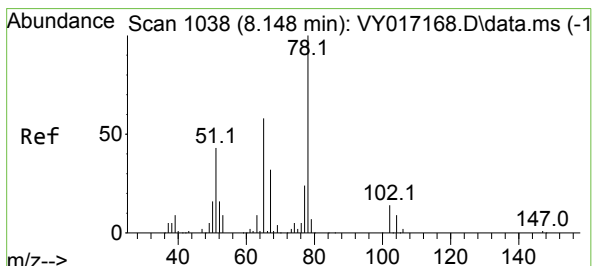
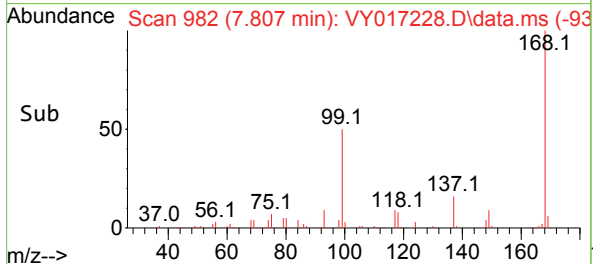
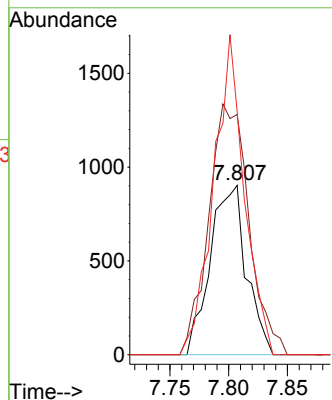
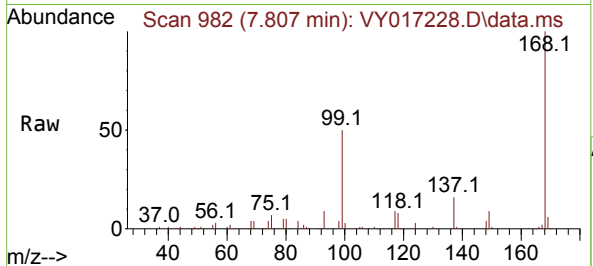




#31
Cyclohexane
Concen: 1.275 ug/l
RT: 7.807 min Scan# 980
Delta R.T. 0.013 min
Lab File: VY017228.D
Acq: 05 Feb 2024 14:53

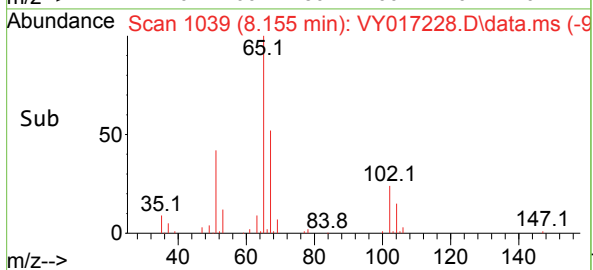
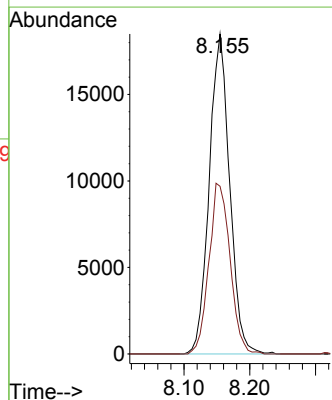
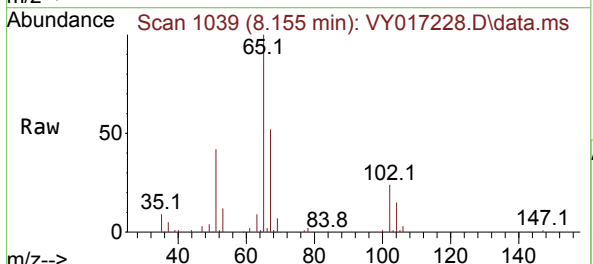
Instrument :
MSVOA_Y
ClientSampleId :
EB-5-0-2

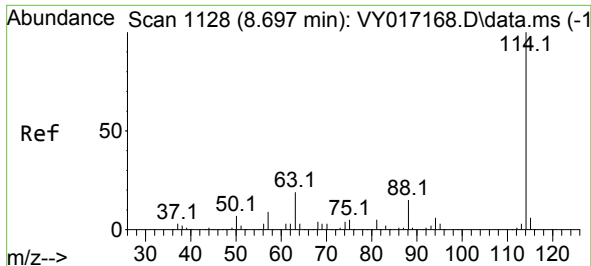
Tgt Ion: 56 Resp: 1931
Ion Ratio Lower Upper
56 100
69 141.7 27.0 40.6#
84 143.4 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 53.235 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY017228.D
Acq: 05 Feb 2024 14:53

Tgt Ion: 65 Resp: 39989
Ion Ratio Lower Upper
65 100
67 55.1 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY017228.D

Acq: 05 Feb 2024 14:53

Instrument :

MSVOA_Y

ClientSampleId :

EB-5-0-2

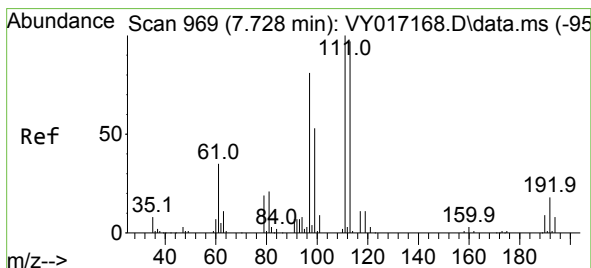
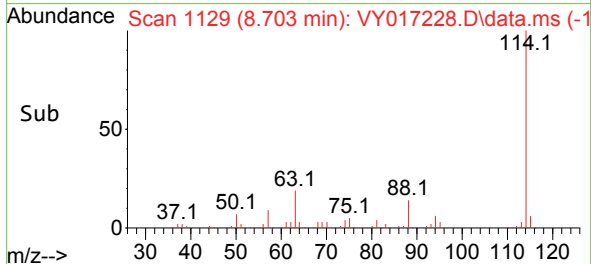
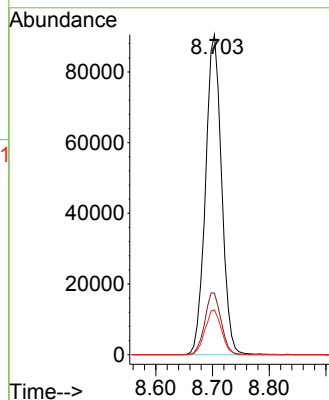
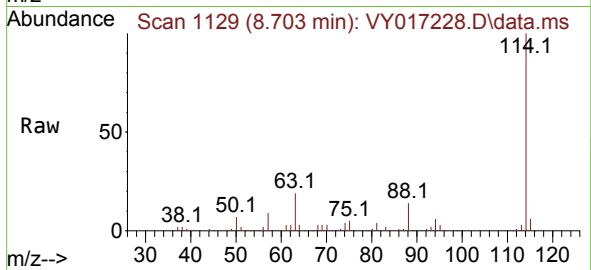
Tgt Ion:114 Resp: 178310

Ion Ratio Lower Upper

114 100

63 19.2 0.0 37.4

88 14.0 0.0 29.0



#35

Dibromofluoromethane

Concen: 43.026 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY017228.D

Acq: 05 Feb 2024 14:53

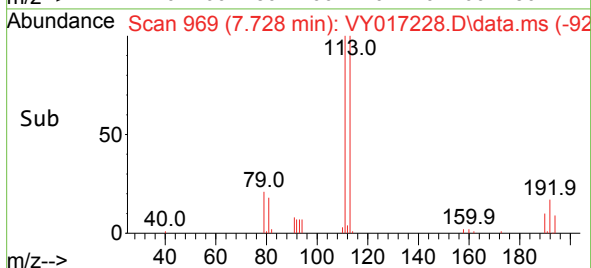
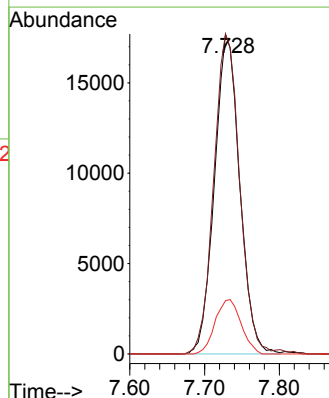
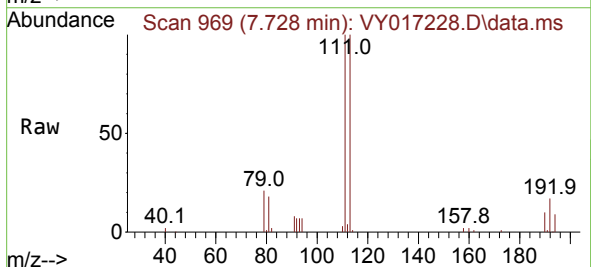
Tgt Ion:113 Resp: 41424

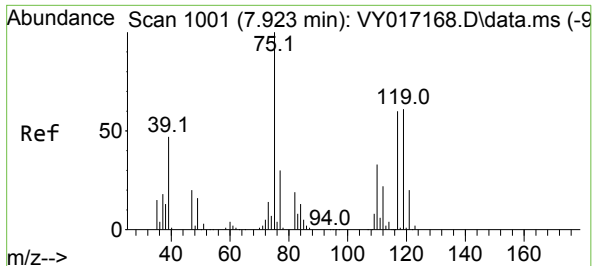
Ion Ratio Lower Upper

113 100

111 103.3 83.8 125.6

192 17.5 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.231 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY017228.D

Acq: 05 Feb 2024 14:53

Instrument :

MSVOA_Y

ClientSampleId :

EB-5-0-2

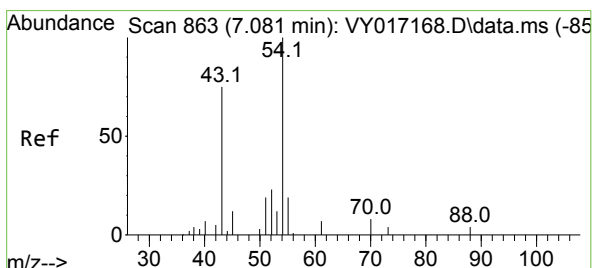
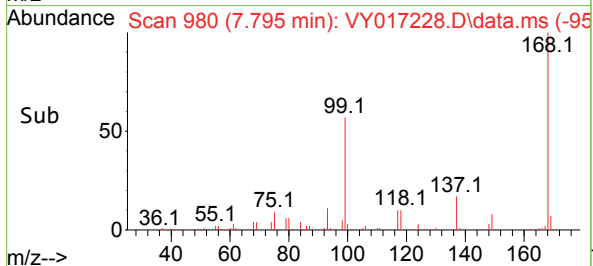
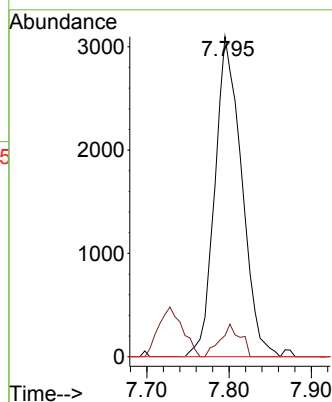
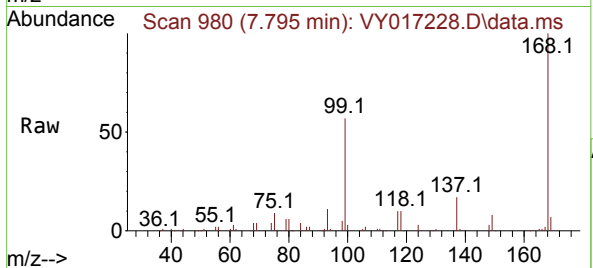
Tgt Ion: 75 Resp: 7026

Ion Ratio Lower Upper

75 100

110 7.6 17.4 52.3#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 2.306 ug/l

RT: 7.015 min Scan# 852

Delta R.T. -0.067 min

Lab File: VY017228.D

Acq: 05 Feb 2024 14:53

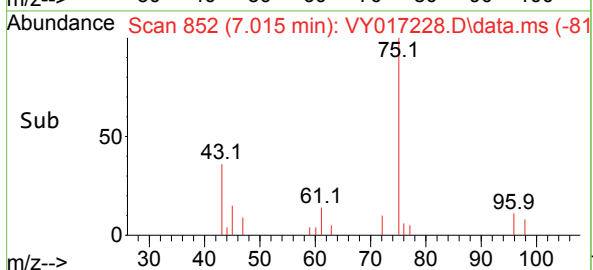
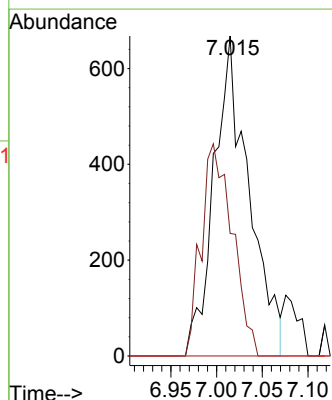
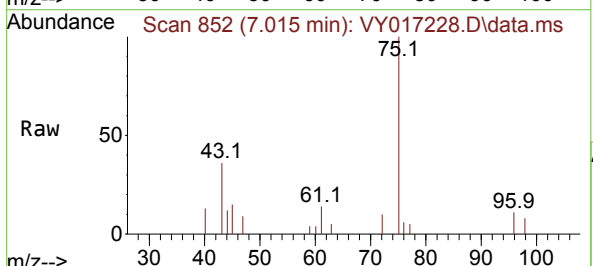
Tgt Ion: 43 Resp: 1776

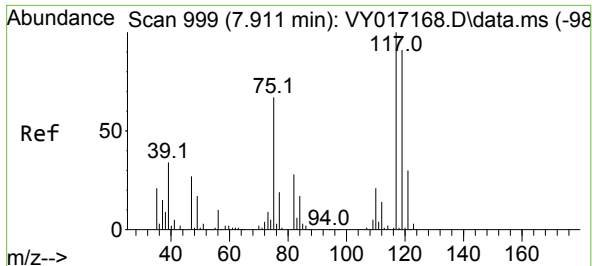
Ion Ratio Lower Upper

43 100

61 59.0 11.0 16.6#

70 0.0 8.1 12.1#

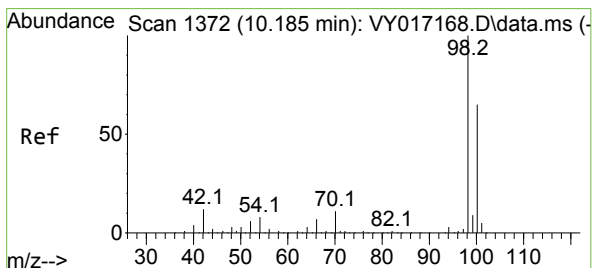
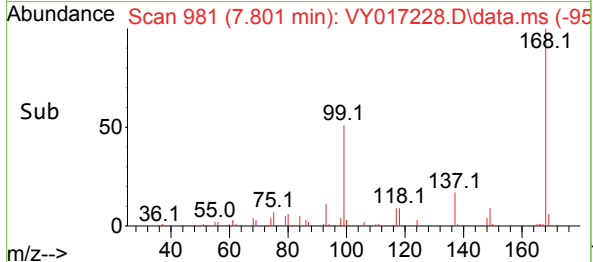
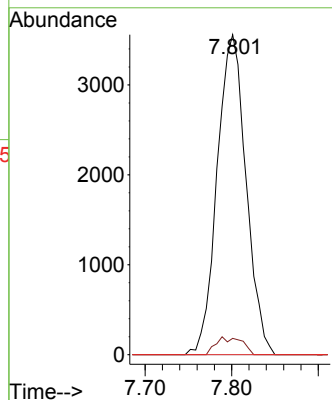
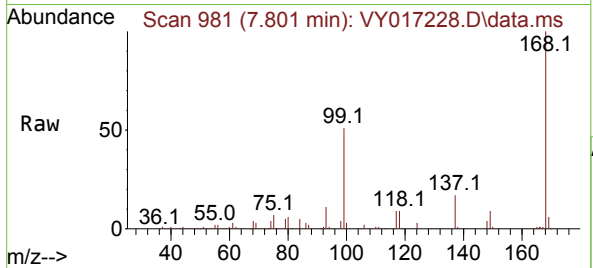




#38
Carbon Tetrachloride
Concen: 5.184 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY017228.D
Acq: 05 Feb 2024 14:53

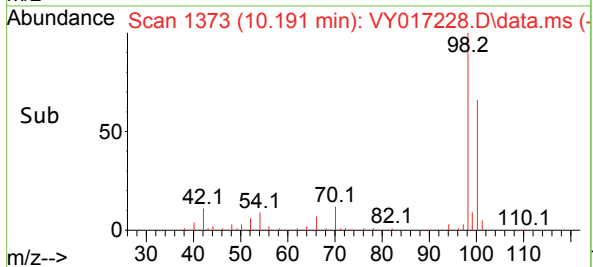
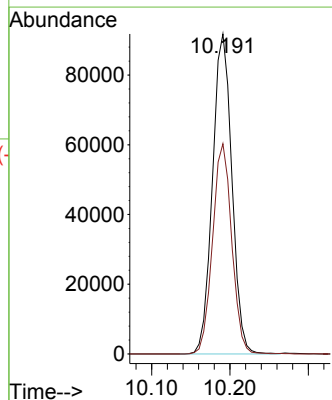
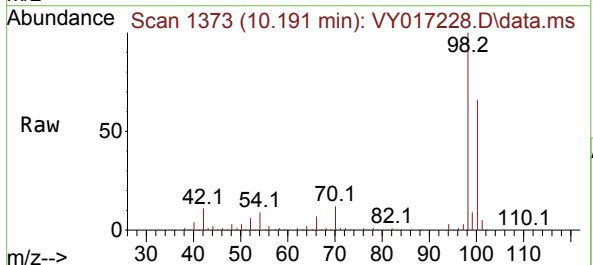
Instrument :
MSVOA_Y
ClientSampleId :
EB-5-0-2

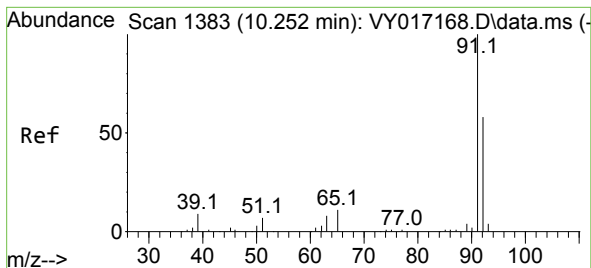
Tgt Ion:117 Resp: 8243
Ion Ratio Lower Upper
117 100
119 5.1 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 45.002 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.006 min
Lab File: VY017228.D
Acq: 05 Feb 2024 14:53

Tgt Ion: 98 Resp: 157748
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5





#52

Toluene

Concen: 1.528 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VY017228.D

Acq: 05 Feb 2024 14:53

Instrument :

MSVOA_Y

ClientSampleId :

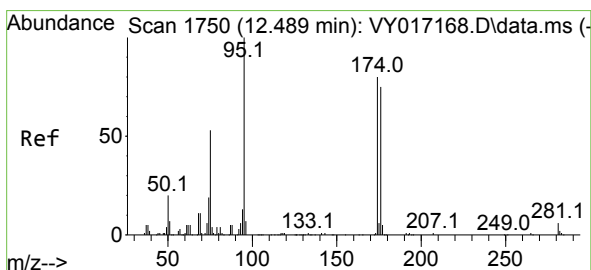
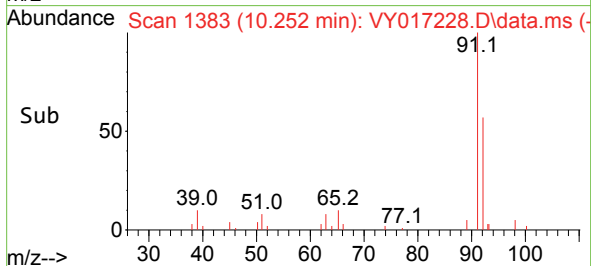
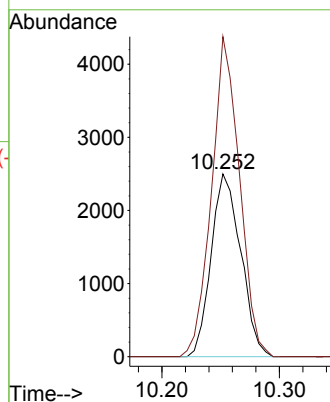
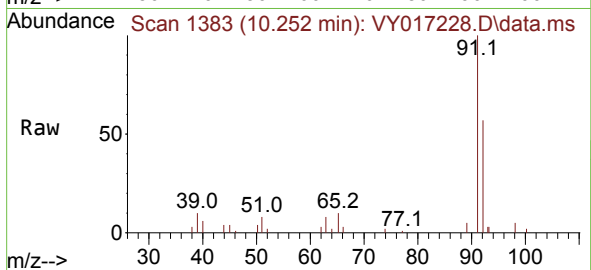
EB-5-0-2

Tgt Ion: 92 Resp: 4374

Ion Ratio Lower Upper

92 100

91 165.3 137.6 206.4



#62

4-Bromofluorobenzene

Concen: 47.296 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.000 min

Lab File: VY017228.D

Acq: 05 Feb 2024 14:53

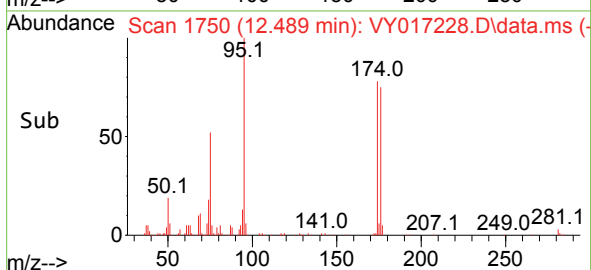
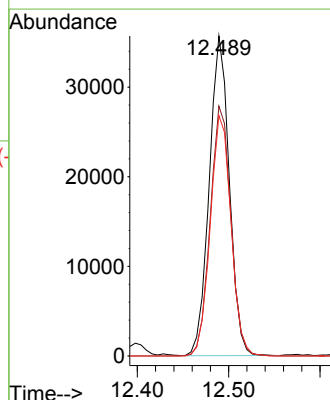
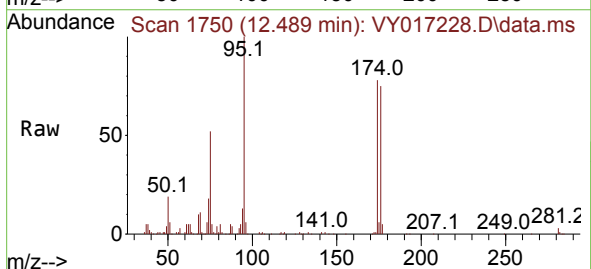
Tgt Ion: 95 Resp: 54309

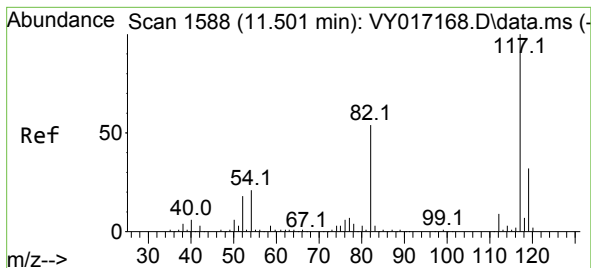
Ion Ratio Lower Upper

95 100

174 80.5 0.0 160.0

176 77.7 0.0 151.8

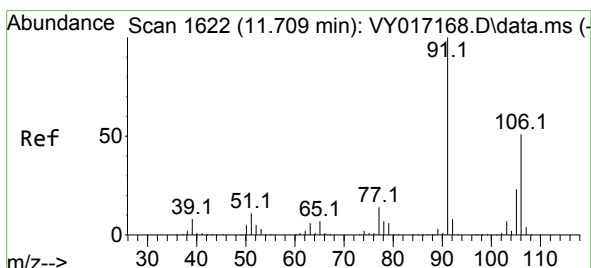
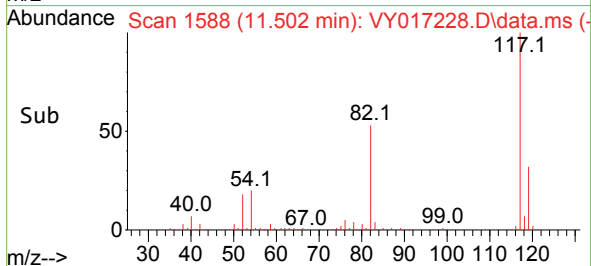
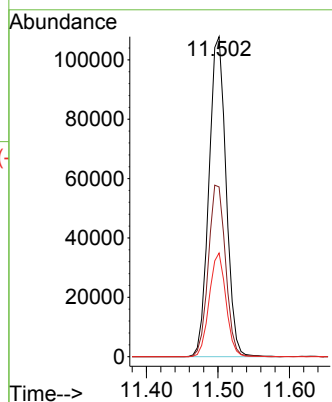
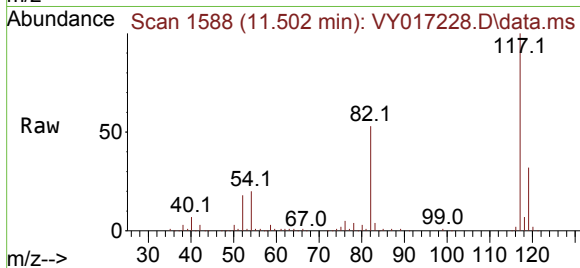




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY017228.D
Acq: 05 Feb 2024 14:53

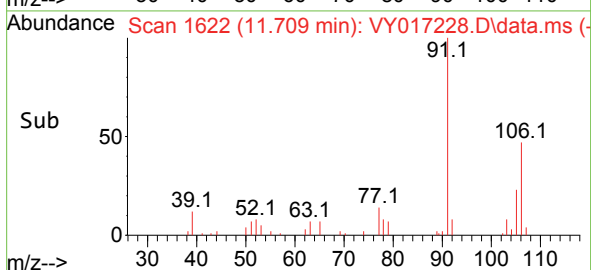
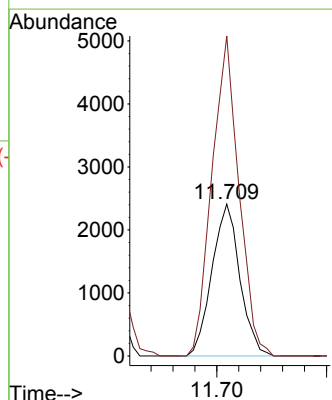
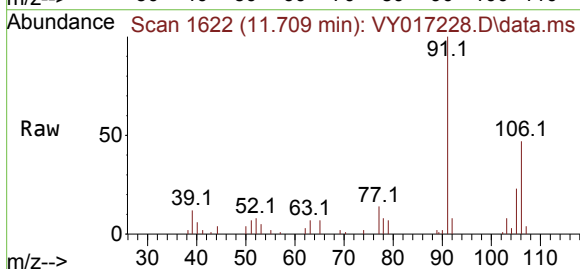
Instrument :
MSVOA_Y
ClientSampleId :
EB-5-0-2

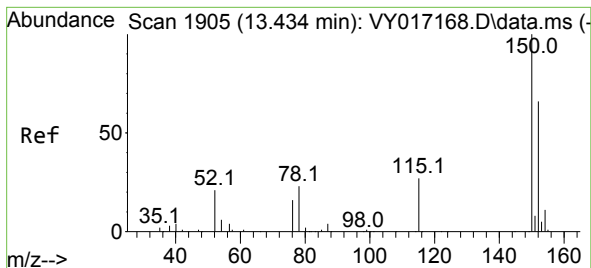
Tgt Ion:117 Resp: 179352
Ion Ratio Lower Upper
117 100
82 53.0 43.8 65.8
119 32.4 26.5 39.7



#68
m/p-Xylenes
Concen: 1.798 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.000 min
Lab File: VY017228.D
Acq: 05 Feb 2024 14:53

Tgt Ion:106 Resp: 4267
Ion Ratio Lower Upper
106 100
91 203.1 160.7 241.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY017228.D

Acq: 05 Feb 2024 14:53

Instrument :

MSVOA_Y

ClientSampleId :

EB-5-0-2

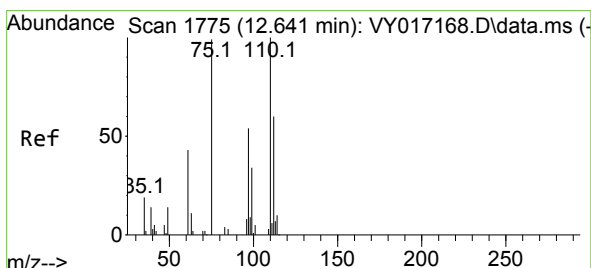
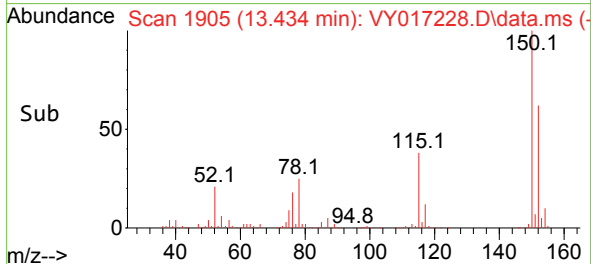
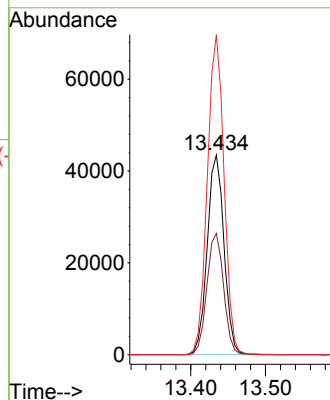
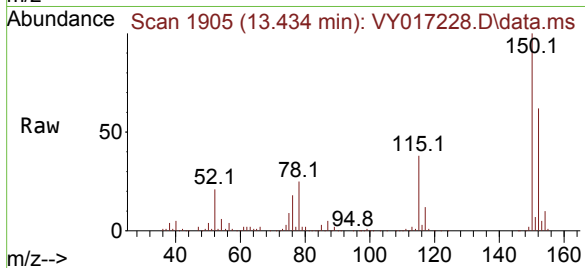
Tgt Ion:152 Resp: 67810

Ion Ratio Lower Upper

152 100

115 60.6 30.0 90.0

150 159.2 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 45.712 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY017228.D

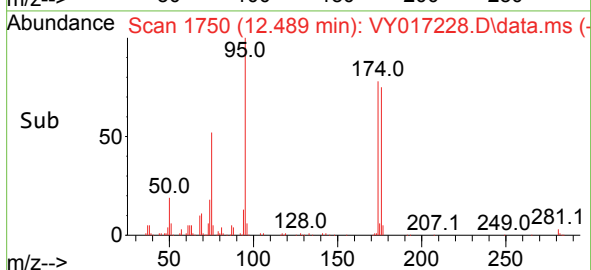
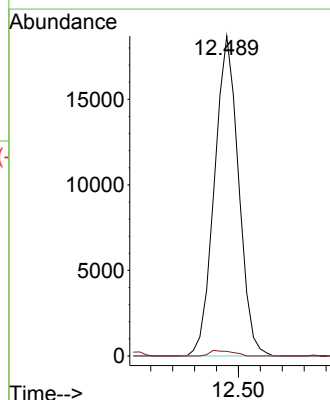
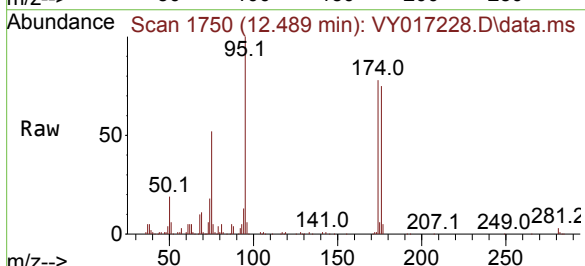
Acq: 05 Feb 2024 14:53

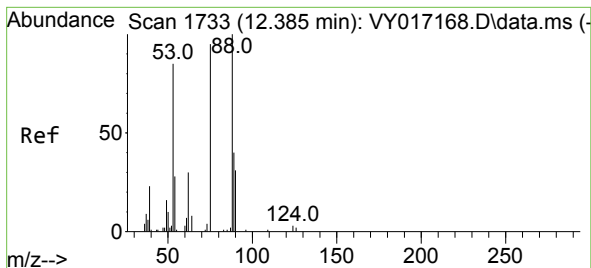
Tgt Ion: 75 Resp: 28610

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#

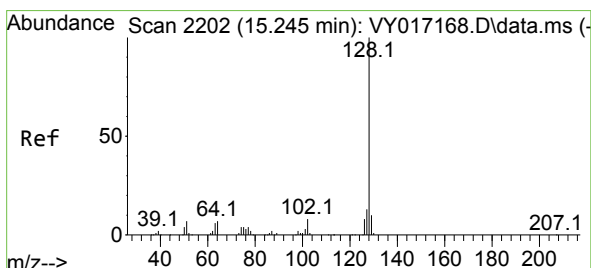
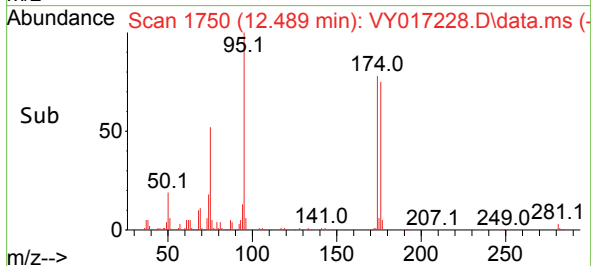
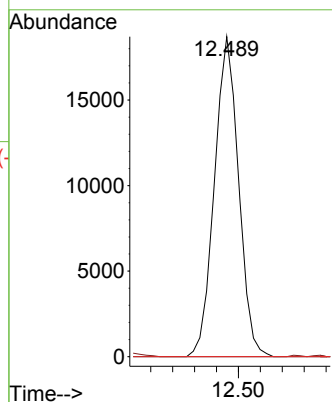
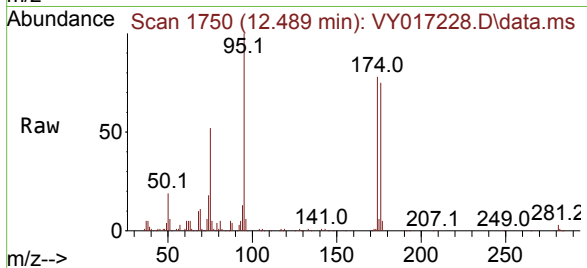




#81
trans-1,4-Dichloro-2-butene
Concen: 94.983 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY017228.D
Acq: 05 Feb 2024 14:53

Instrument :
MSVOA_Y
ClientSampleId :
EB-5-0-2

Tgt Ion: 75 Resp: 28610
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#95
Naphthalene
Concen: 7.326 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY017228.D
Acq: 05 Feb 2024 14:53

Tgt Ion: 128 Resp: 7519
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.4
129 10.9 8.6 12.8

