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 Data File : VY017239.D
 Acq On : 05 Feb 2024 19:12
 Operator : SY/MD
 Sample : P1141-09
 Misc : 4.52g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

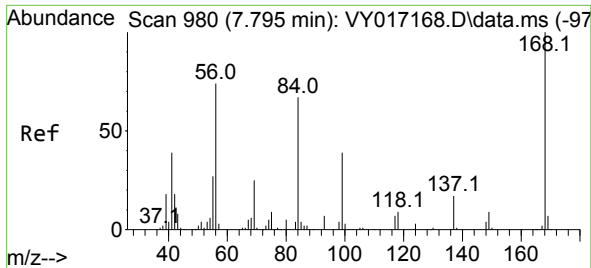
Instrument :
 MSVOA_Y
 ClientSampleId :
 EB-2-0-2

Quant Time: Feb 06 01:04:15 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	80478	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	177505	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	180509	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	74148	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	39080	54.358	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.720%			
35) Dibromofluoromethane	7.722	113	39367	41.075	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 82.160%			
50) Toluene-d8	10.185	98	162146	46.467	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 92.940%			
62) 4-Bromofluorobenzene	12.489	95	56282	49.236	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.480%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.960	59	229	Below Cal	#	75
14) Allyl chloride	4.704	41	5426	4.601	ug/l #	55
16) Acetone	3.954	43	6743	31.911	ug/l	99
17) Carbon Disulfide	4.192	76	3461	1.390	ug/l	98
18) Methyl Acetate	4.704	43	10514	22.304	ug/l #	51
20) Methylene Chloride	4.722	84	7629	5.712	ug/l	91
25) 2-Butanone	6.984	43	1841	6.554	ug/l #	73
31) Cyclohexane	7.783	56	2648	1.827	ug/l #	49
36) 1,1-Dichloropropene	7.795	75	6782	4.102	ug/l #	50
37) Ethyl Acetate	6.984	43	1841	2.401	ug/l #	69
38) Carbon Tetrachloride	7.795	117	7859	4.965	ug/l #	18
43) Isopropyl Acetate	8.331	43	71834	52.923	ug/l #	51
47) Bromodichloromethane	9.630	83	1665	1.062	ug/l #	23
48) Methyl methacrylate	9.331	41	8387	13.173	ug/l #	32
51) 4-Methyl-2-Pentanone	10.124	43	8463	11.631	ug/l #	81
52) Toluene	10.252	92	373527	131.078	ug/l	100
53) t-1,3-Dichloropropene	10.252	75	4271	2.901	ug/l #	1
56) Ethyl methacrylate	10.538	69	313	3.261	ug/l #	24
59) 2-Hexanone	10.807	43	539	1.024	ug/l #	23
67) Ethyl Benzene	11.599	91	16270	2.585	ug/l	94
68) m/p-Xylenes	11.709	106	6011	2.517	ug/l	91
76) 1,2,3-Trichloropropane	12.489	75	29775	43.507	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	29775	90.401	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.129	105	8684	2.031	ug/l	95
95) Naphthalene	15.245	128	1010	3.904	ug/l #	89

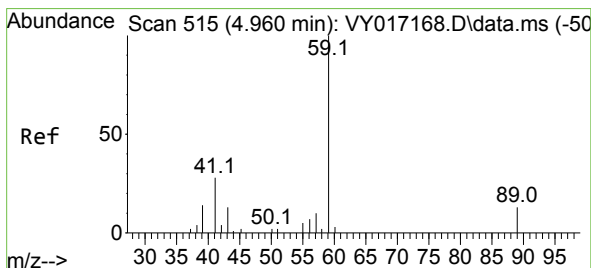
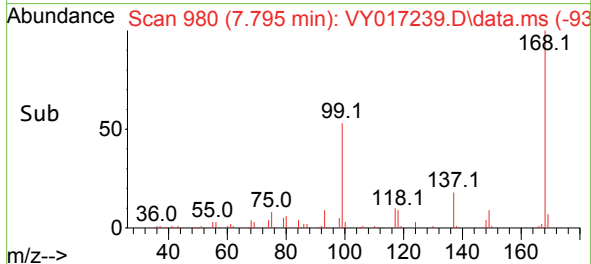
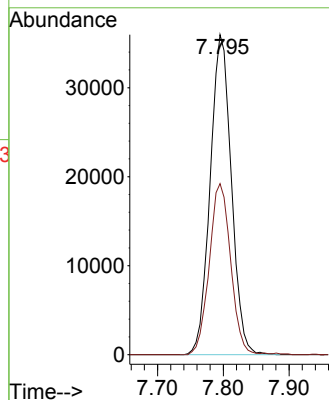
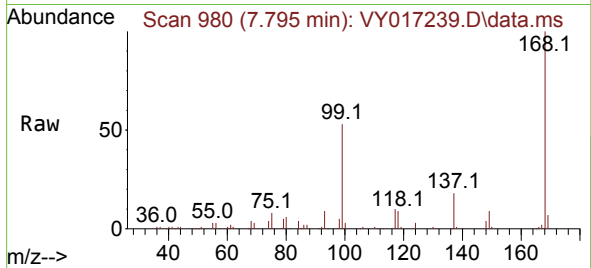
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY017239.D
Acq: 05 Feb 2024 19:12

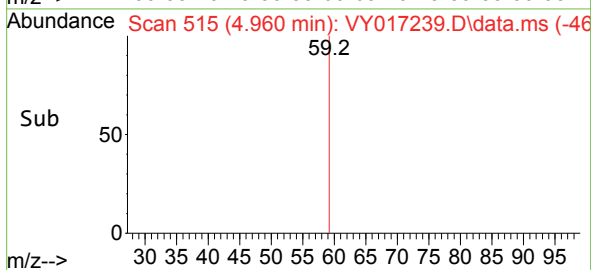
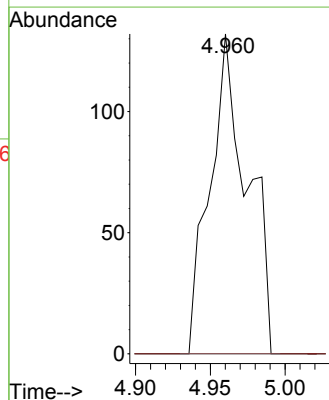
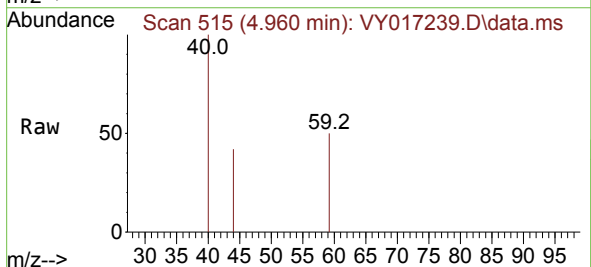
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MSVOA_Y
ClientSampleId :
EB-2-0-2

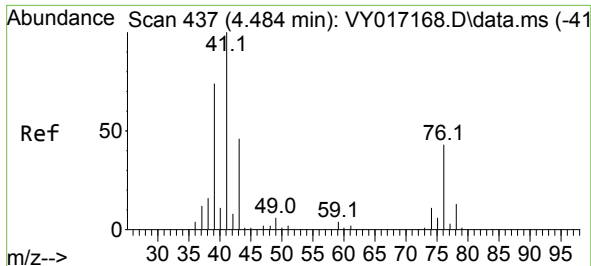
Tgt Ion:168 Resp: 80478
Ion Ratio Lower Upper
168 100
99 53.4 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY017239.D
Acq: 05 Feb 2024 19:12

Tgt Ion: 59 Resp: 229
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

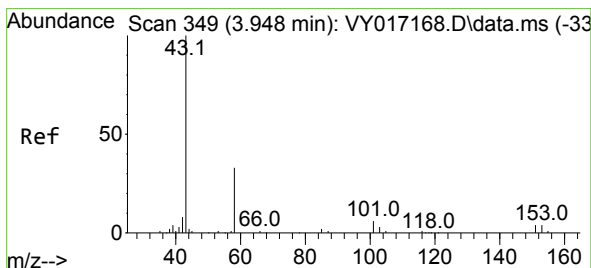
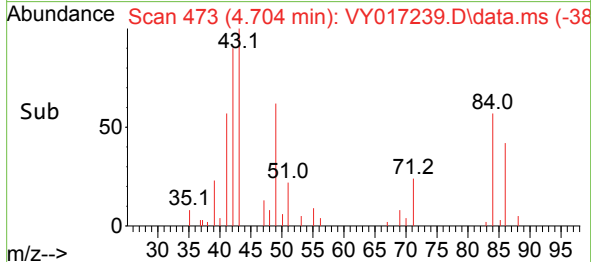
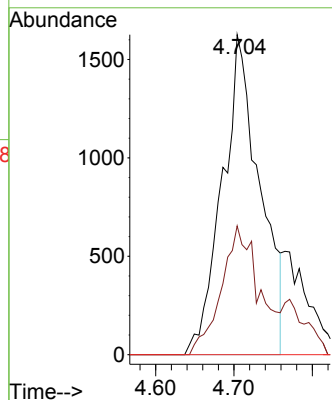
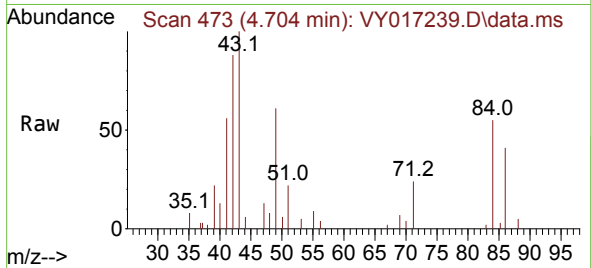




#14
 Allyl chloride
 Concen: 4.601 ug/l
 RT: 4.704 min Scan# 41
 Delta R.T. 0.220 min
 Lab File: VY017239.D
 Acq: 05 Feb 2024 19:12

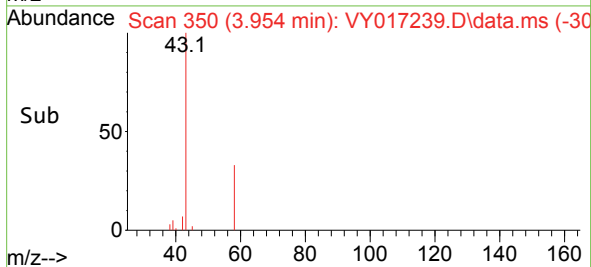
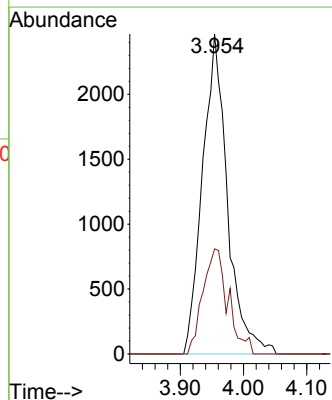
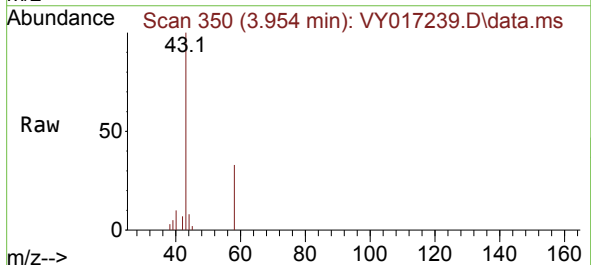
Instrument :
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 ClientSampleId :
 EB-2-0-2

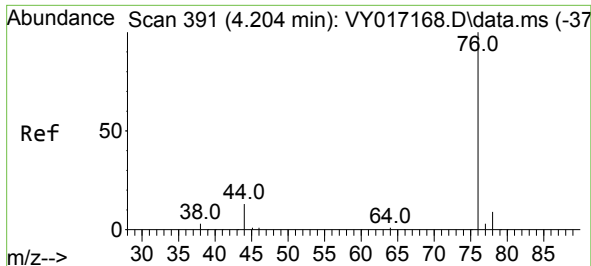
Tgt Ion: 41 Resp: 5426
 Ion Ratio Lower Upper
 41 100
 39 40.8 54.7 82.1#
 76 0.0 31.8 47.6#



#16
 Acetone
 Concen: 31.911 ug/l
 RT: 3.954 min Scan# 350
 Delta R.T. 0.006 min
 Lab File: VY017239.D
 Acq: 05 Feb 2024 19:12

Tgt Ion: 43 Resp: 6743
 Ion Ratio Lower Upper
 43 100
 58 32.9 26.6 39.8

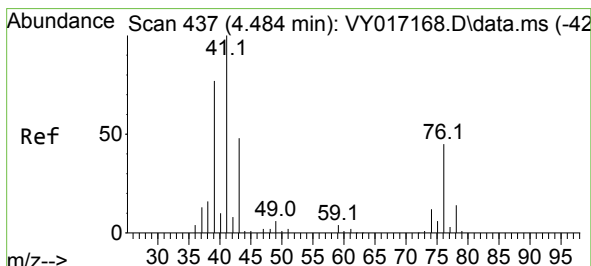
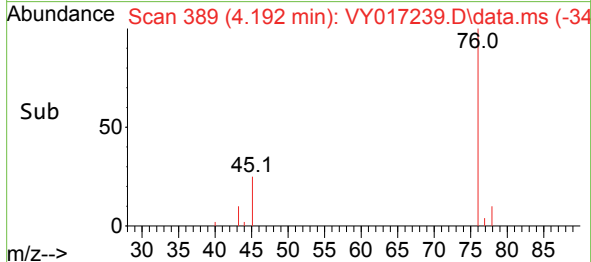
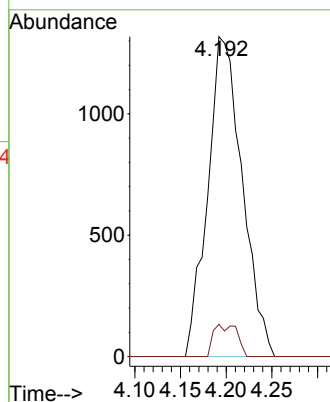
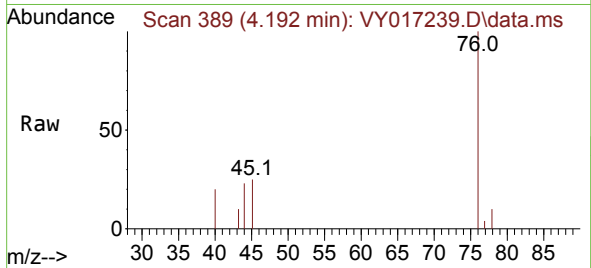




#17
Carbon Disulfide
Concen: 1.390 ug/l
RT: 4.192 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY017239.D
Acq: 05 Feb 2024 19:12

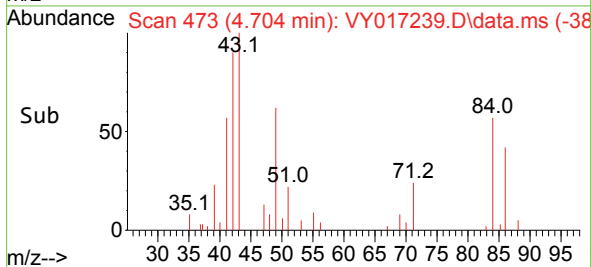
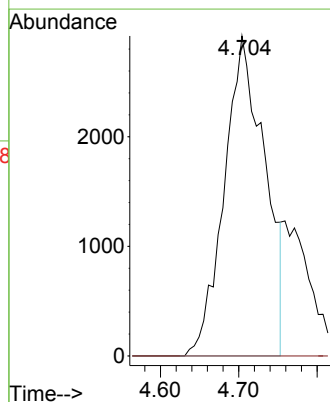
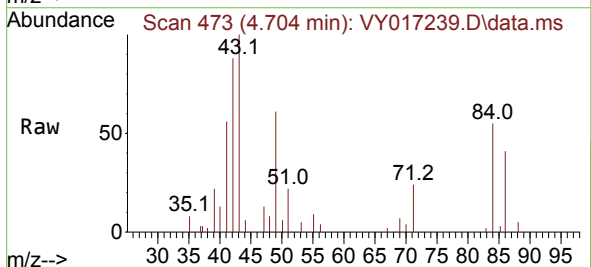
Instrument :
MSVOA_Y
ClientSampleId :
EB-2-0-2

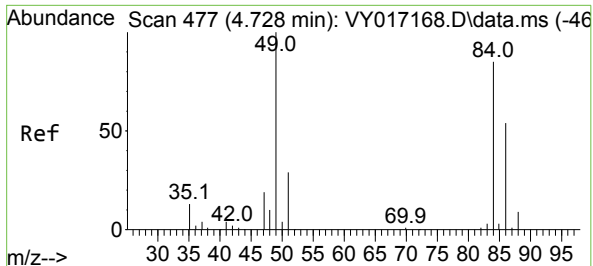
Tgt Ion: 76 Resp: 3461
Ion Ratio Lower Upper
76 100
78 10.1 7.4 11.0



#18
Methyl Acetate
Concen: 22.304 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.220 min
Lab File: VY017239.D
Acq: 05 Feb 2024 19:12

Tgt Ion: 43 Resp: 10514
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.6#





#20

Methylene Chloride

Concen: 5.712 ug/l

RT: 4.722 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY017239.D

Acq: 05 Feb 2024 19:12

Instrument :

MSVOA_Y

ClientSampleId :

EB-2-0-2

Tgt Ion: 84 Resp: 7629

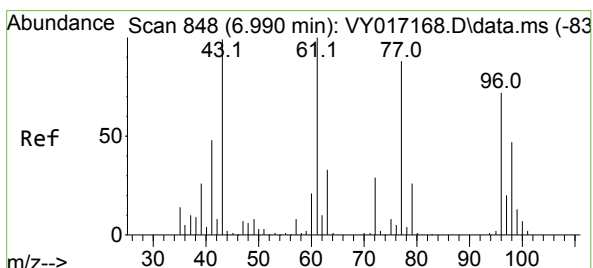
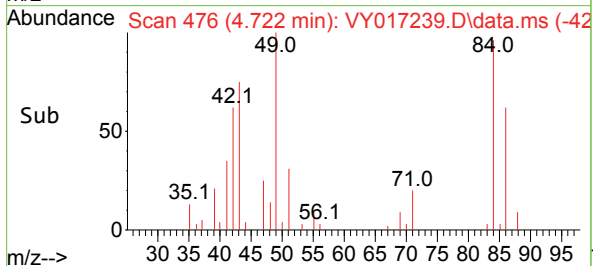
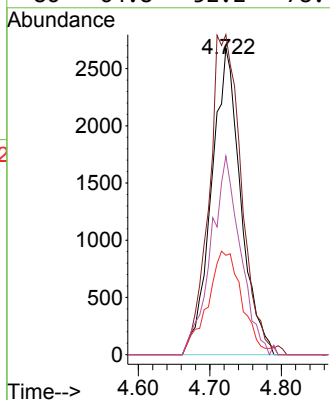
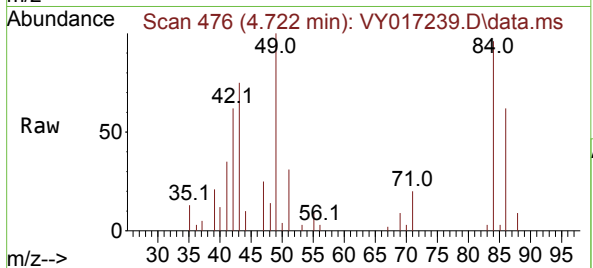
Ion Ratio Lower Upper

84 100

49 104.4 95.2 142.8

51 32.4 29.9 44.9

86 64.8 52.2 78.4



#25

2-Butanone

Concen: 6.554 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY017239.D

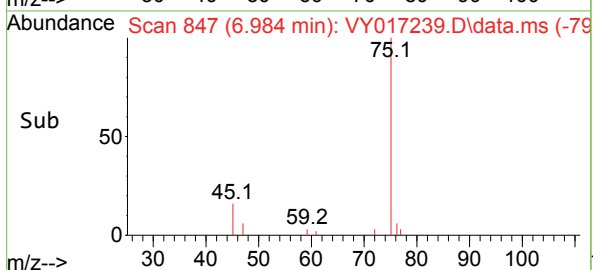
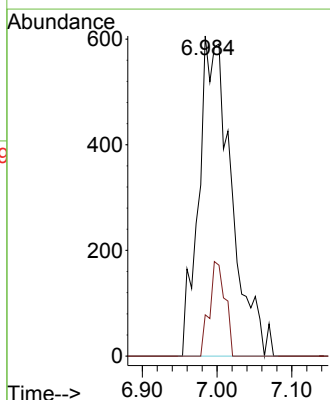
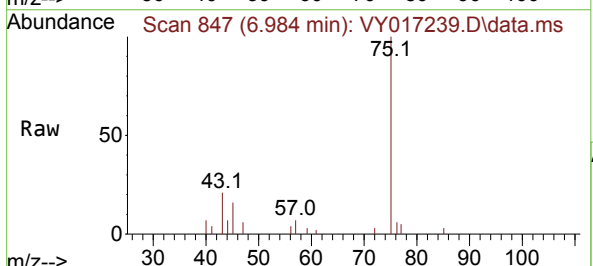
Acq: 05 Feb 2024 19:12

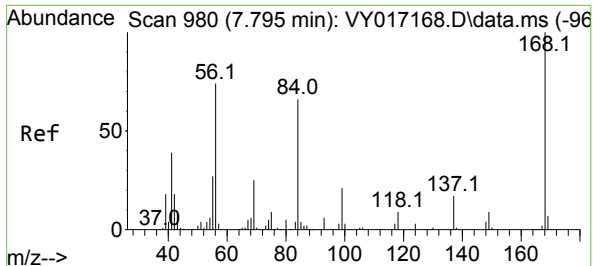
Tgt Ion: 43 Resp: 1841

Ion Ratio Lower Upper

43 100

72 12.9 21.4 32.2#

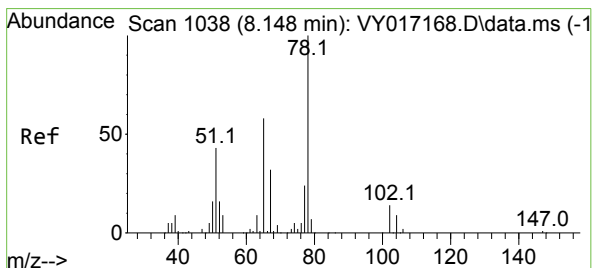
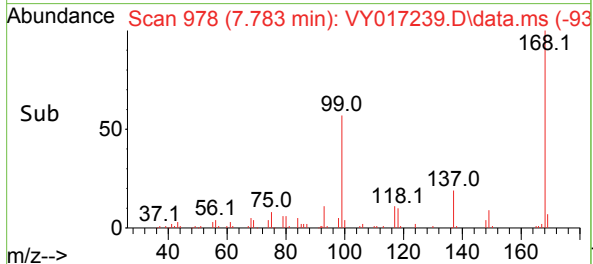
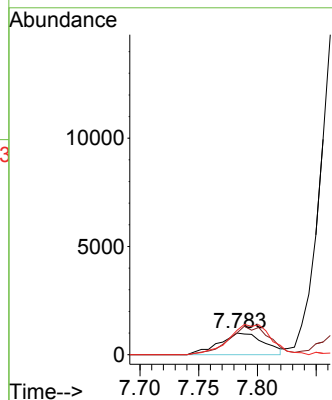
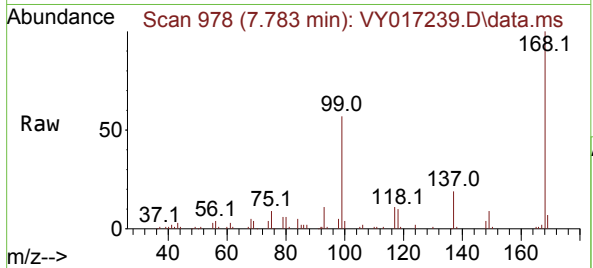




#31
Cyclohexane
Concen: 1.827 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY017239.D
Acq: 05 Feb 2024 19:12

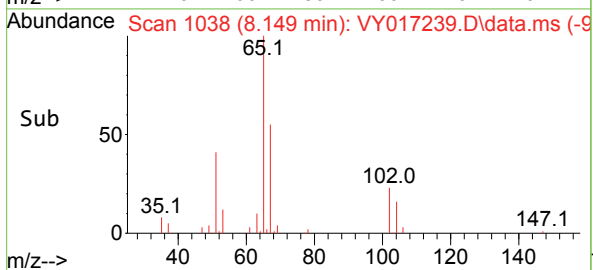
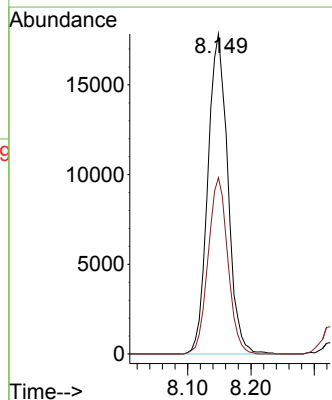
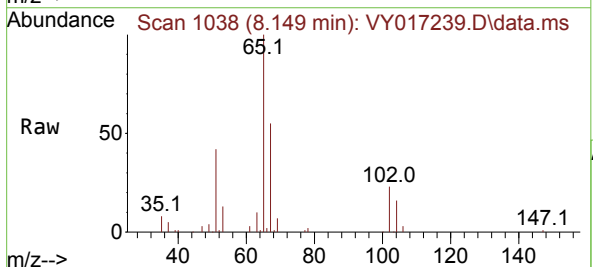
Instrument :
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EB-2-0-2

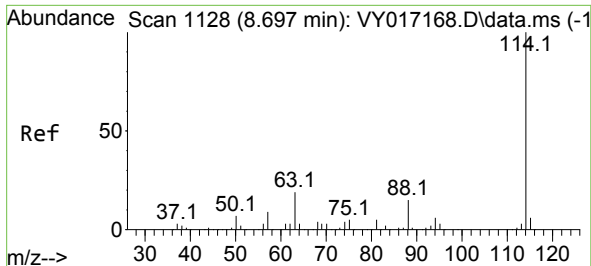
Tgt Ion: 56 Resp: 2648
Ion Ratio Lower Upper
56 100
69 101.6 27.0 40.6#
84 113.7 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 54.358 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY017239.D
Acq: 05 Feb 2024 19:12

Tgt Ion: 65 Resp: 39080
Ion Ratio Lower Upper
65 100
67 54.4 0.0 109.0

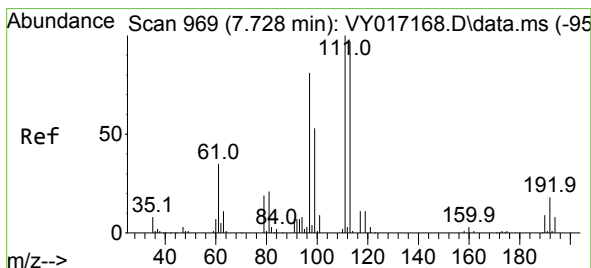
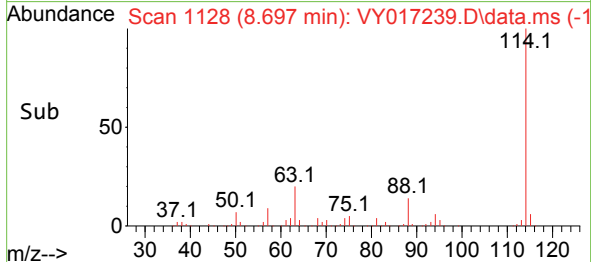
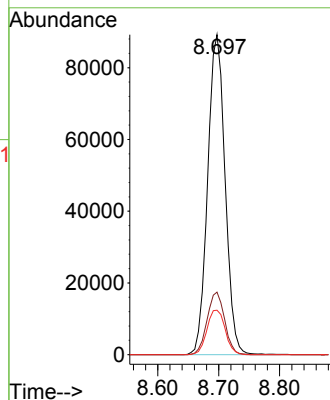
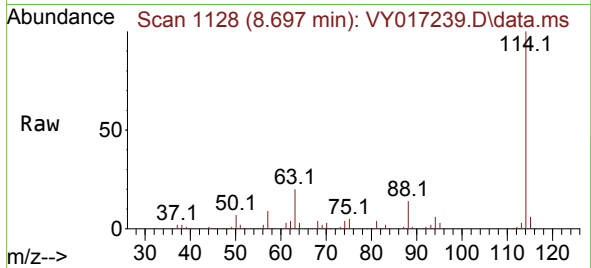




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY017239.D
Acq: 05 Feb 2024 19:12

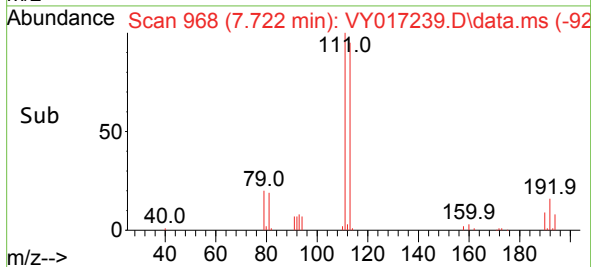
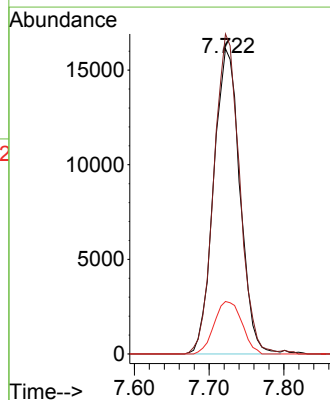
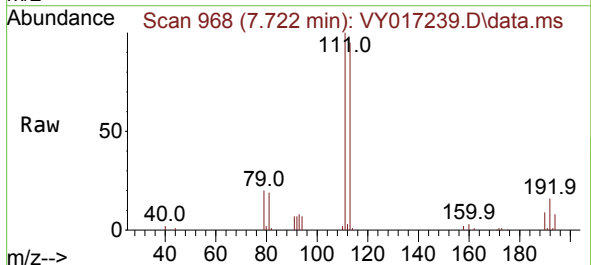
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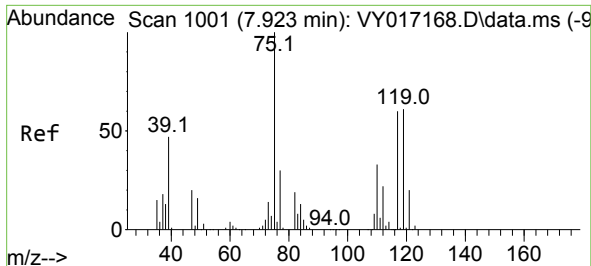
Tgt Ion:114 Resp: 177505
Ion Ratio Lower Upper
114 100
63 19.5 0.0 37.4
88 13.9 0.0 29.0



#35
Dibromofluoromethane
Concen: 41.075 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY017239.D
Acq: 05 Feb 2024 19:12

Tgt Ion:113 Resp: 39367
Ion Ratio Lower Upper
113 100
111 102.6 83.8 125.6
192 18.2 14.5 21.7

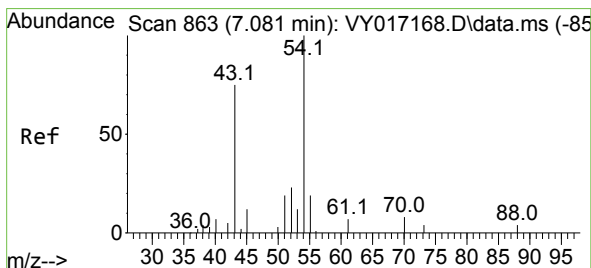
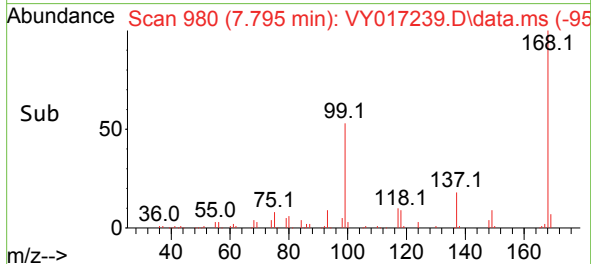
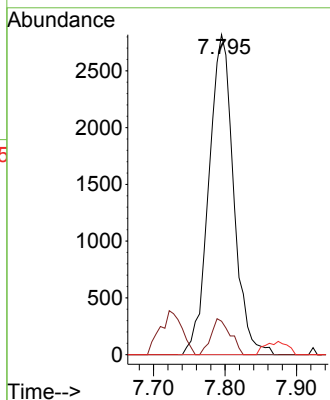
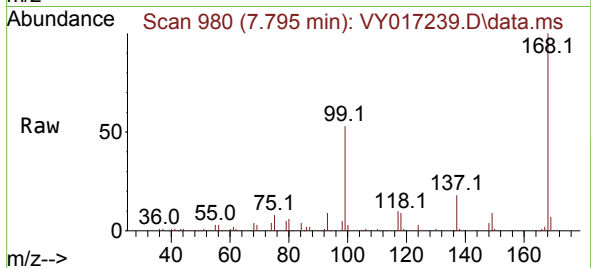




#36
1,1-Dichloropropene
Concen: 4.102 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY017239.D
Acq: 05 Feb 2024 19:12

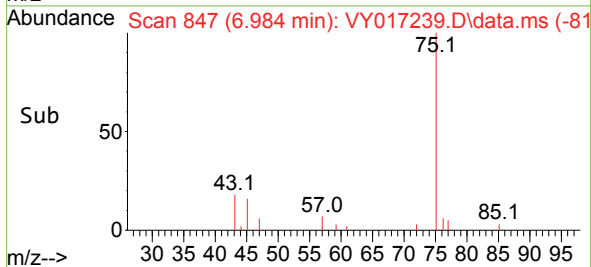
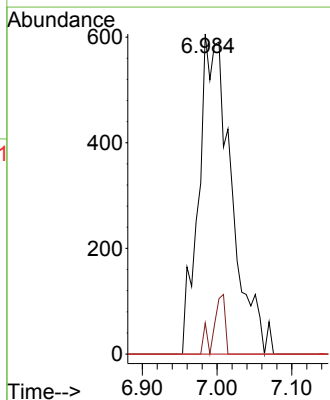
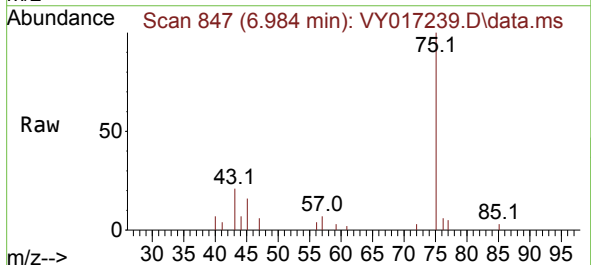
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MSVOA_Y
ClientSampleId :
EB-2-0-2

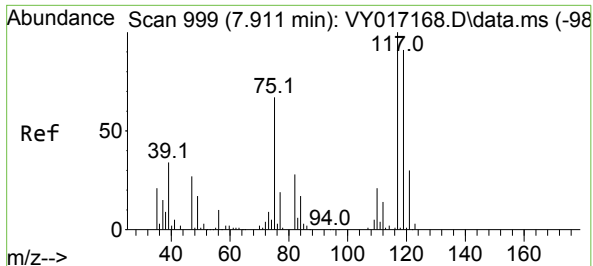
Tgt Ion: 75 Resp: 6782
Ion Ratio Lower Upper
75 100
110 8.6 17.4 52.3#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 2.401 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.097 min
Lab File: VY017239.D
Acq: 05 Feb 2024 19:12

Tgt Ion: 43 Resp: 1841
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.6#
70 0.0 8.1 12.1#

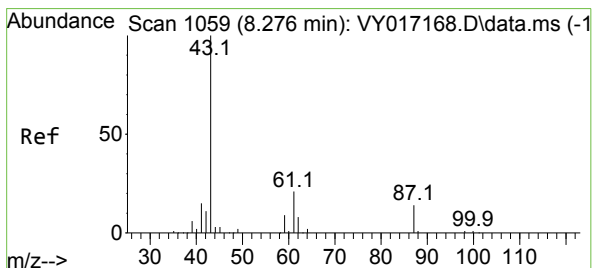
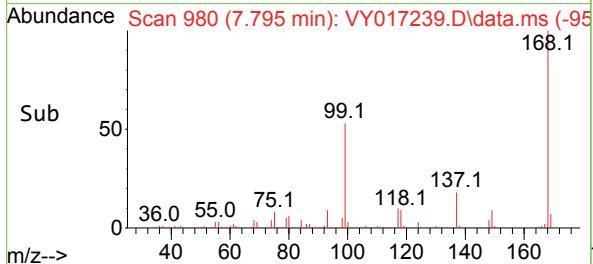
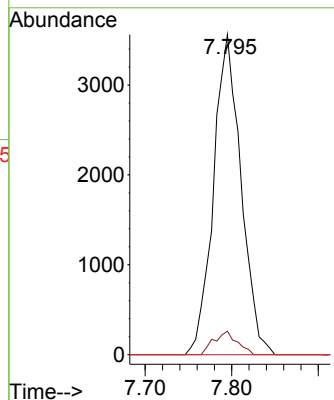
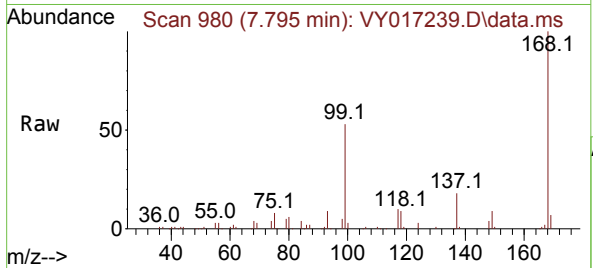




#38
Carbon Tetrachloride
Concen: 4.965 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY017239.D
Acq: 05 Feb 2024 19:12

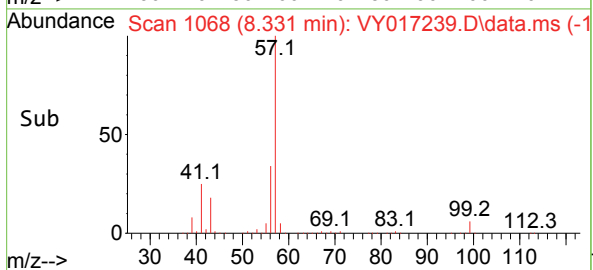
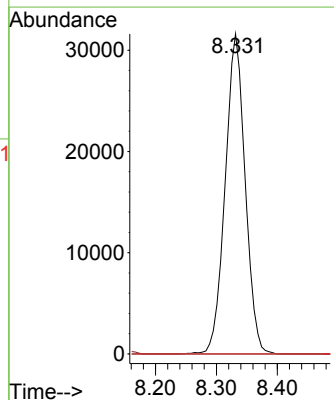
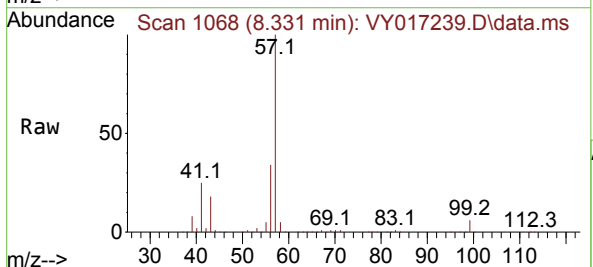
Instrument :
MSVOA_Y
ClientSampleId :
EB-2-0-2

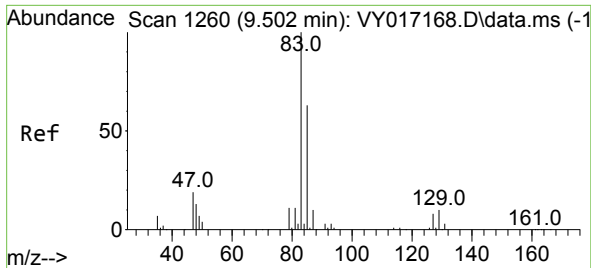
Tgt Ion:117 Resp: 7859
Ion Ratio Lower Upper
117 100
119 7.3 76.0 114.0#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 52.923 ug/l
RT: 8.331 min Scan# 1068
Delta R.T. 0.055 min
Lab File: VY017239.D
Acq: 05 Feb 2024 19:12

Tgt Ion: 43 Resp: 71834
Ion Ratio Lower Upper
43 100
61 0.0 24.8 37.2#
87 0.0 10.7 16.1#

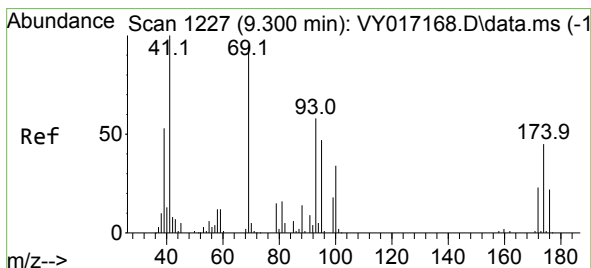
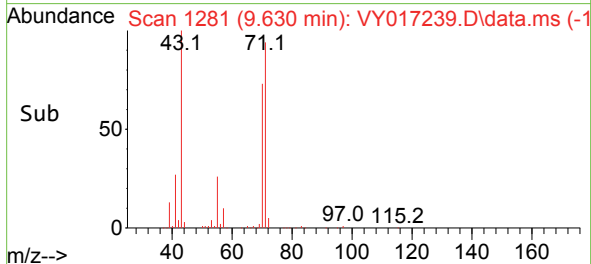
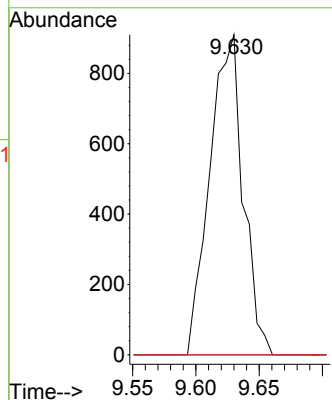
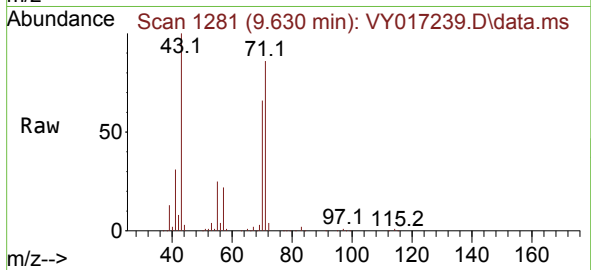




#47
Bromodichloromethane
Concen: 1.062 ug/l
RT: 9.630 min Scan# 11
Delta R.T. 0.128 min
Lab File: VY017239.D
Acq: 05 Feb 2024 19:12

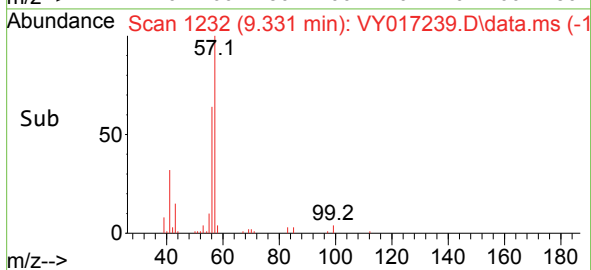
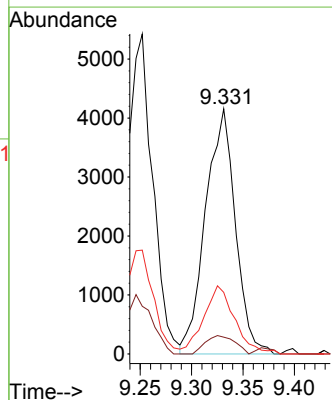
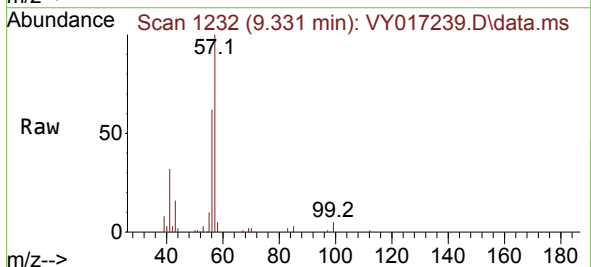
Instrument :
MSVOA_Y
ClientSampleId :
EB-2-0-2

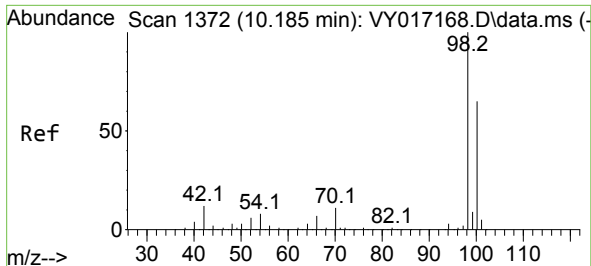
Tgt Ion: 83 Resp: 1665
Ion Ratio Lower Upper
83 100
85 0.0 53.2 79.8#
127 0.0 6.4 9.6#



#48
Methyl methacrylate
Concen: 13.173 ug/l
RT: 9.331 min Scan# 1232
Delta R.T. 0.031 min
Lab File: VY017239.D
Acq: 05 Feb 2024 19:12

Tgt Ion: 41 Resp: 8387
Ion Ratio Lower Upper
41 100
69 7.4 72.1 108.1#
39 29.0 42.8 64.2#

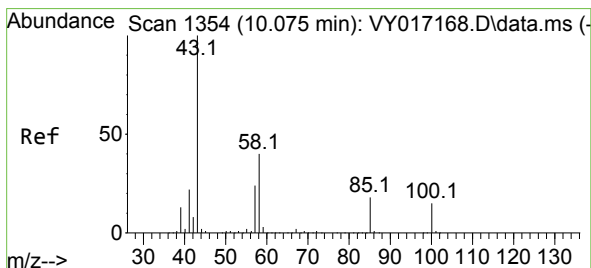
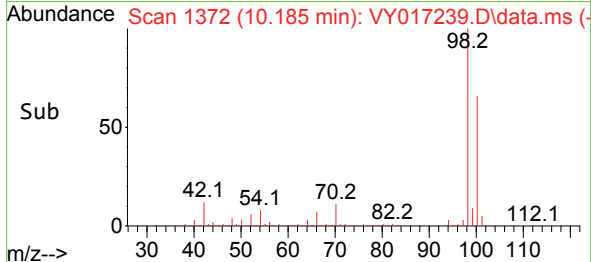
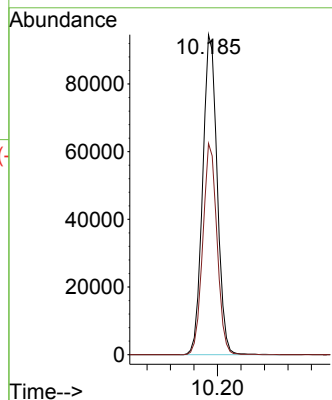
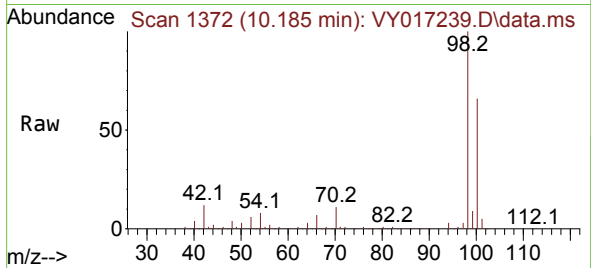




#50
Toluene-d8
Concen: 46.467 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017239.D
Acq: 05 Feb 2024 19:12

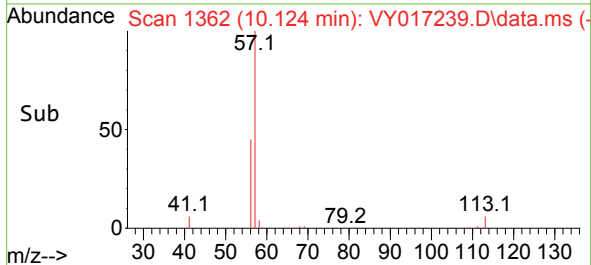
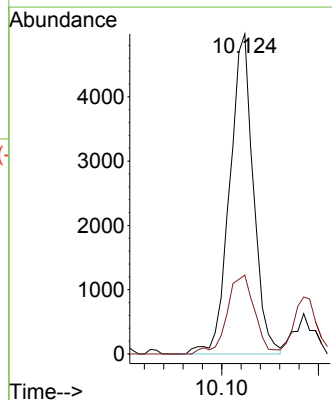
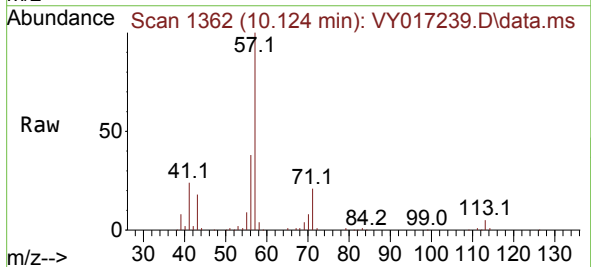
Instrument :
MSVOA_Y
ClientSampleId :
EB-2-0-2

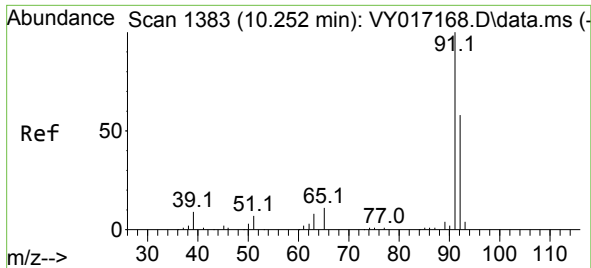
Tgt Ion: 98 Resp: 162146
Ion Ratio Lower Upper
98 100
100 64.7 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 11.631 ug/l
RT: 10.124 min Scan# 1362
Delta R.T. 0.049 min
Lab File: VY017239.D
Acq: 05 Feb 2024 19:12

Tgt Ion: 43 Resp: 8463
Ion Ratio Lower Upper
43 100
58 28.5 32.2 48.2#

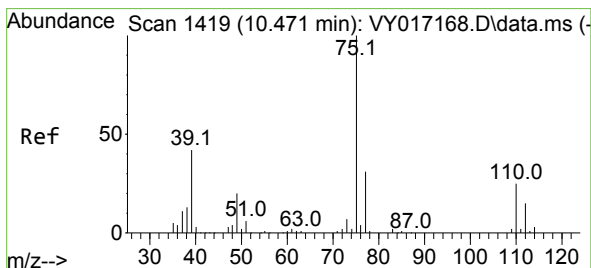
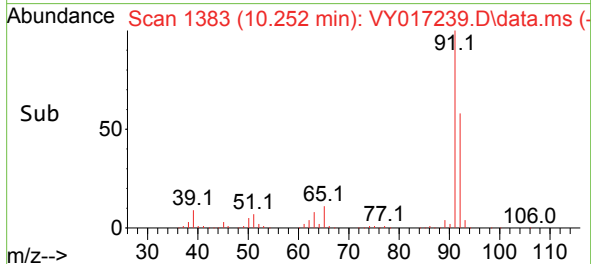
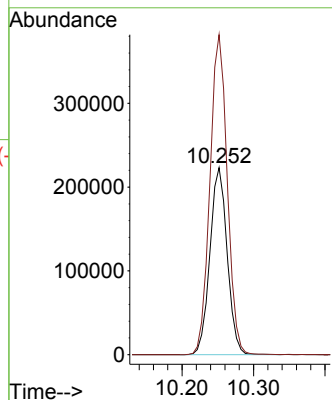
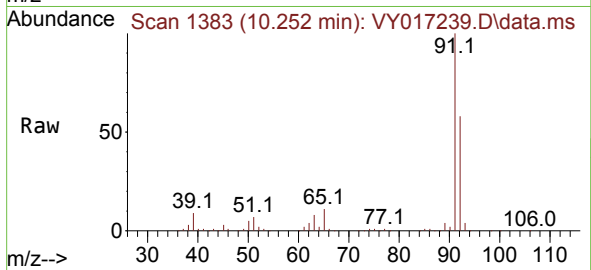




#52
Toluene
Concen: 131.078 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VY017239.D
Acq: 05 Feb 2024 19:12

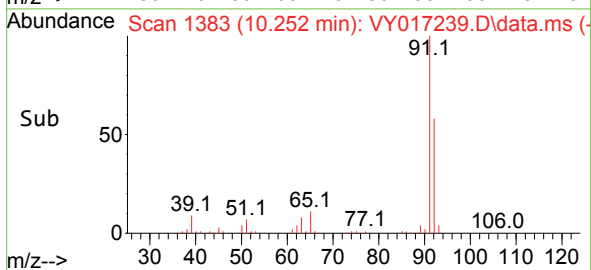
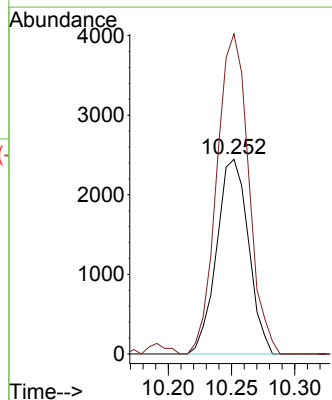
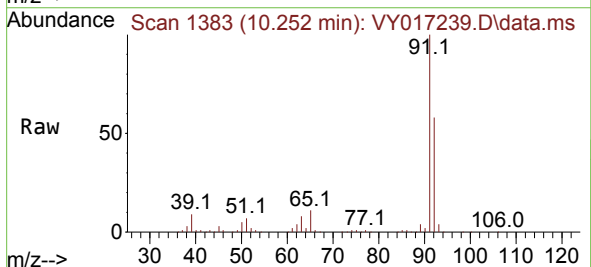
Instrument :
MSVOA_Y
ClientSampleId :
EB-2-0-2

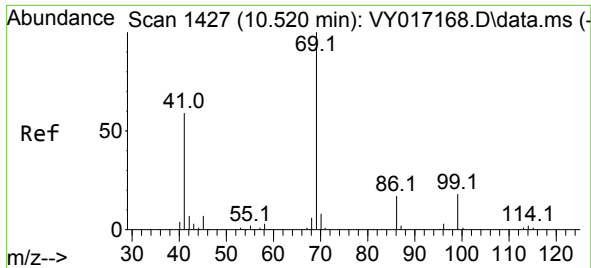
Tgt Ion: 92 Resp: 373527
Ion Ratio Lower Upper
92 100
91 172.0 137.6 206.4



#53
t-1,3-Dichloropropene
Concen: 2.901 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. -0.219 min
Lab File: VY017239.D
Acq: 05 Feb 2024 19:12

Tgt Ion: 75 Resp: 4271
Ion Ratio Lower Upper
75 100
77 164.4 24.6 36.8#

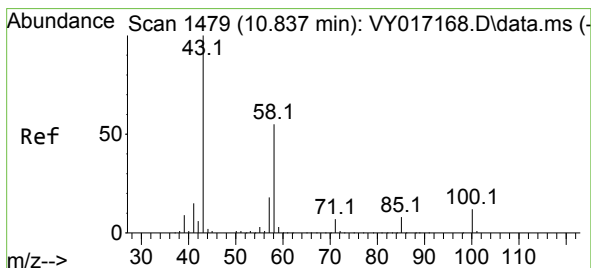
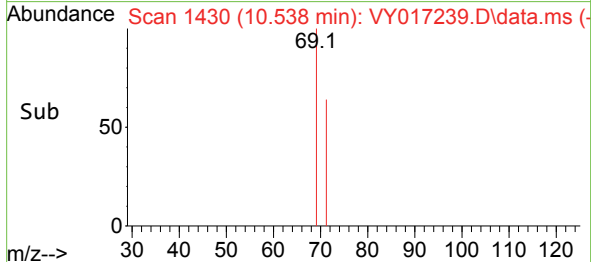
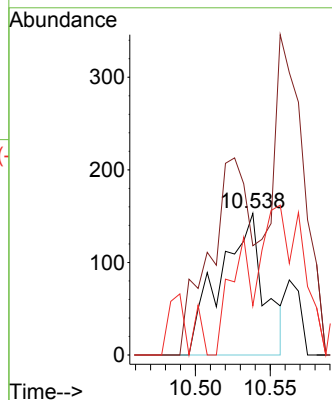
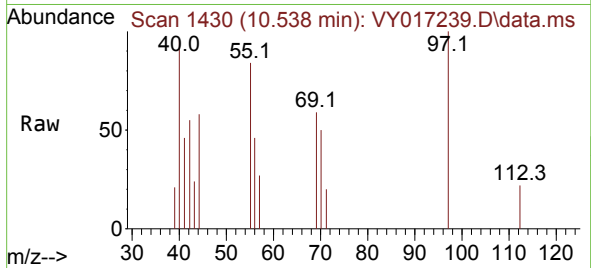




#56
Ethyl methacrylate
Concen: 3.261 ug/l
RT: 10.538 min Scan# 1427
Delta R.T. 0.018 min
Lab File: VY017239.D
Acq: 05 Feb 2024 19:12

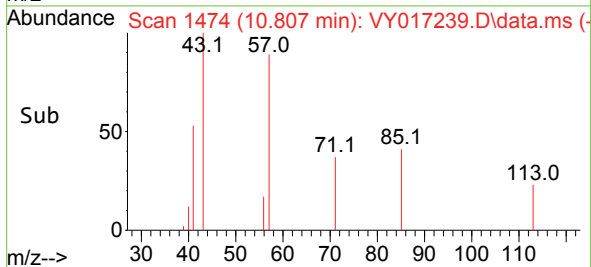
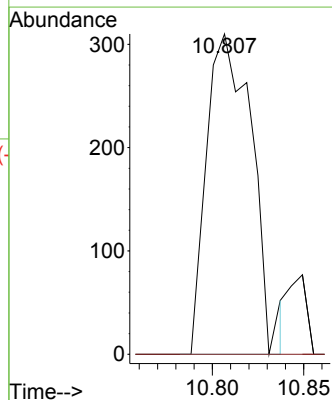
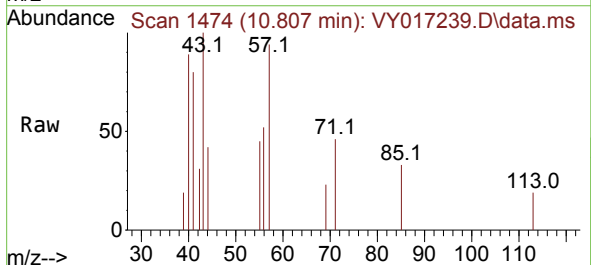
Instrument :
MSVOA_Y
ClientSampleId :
EB-2-0-2

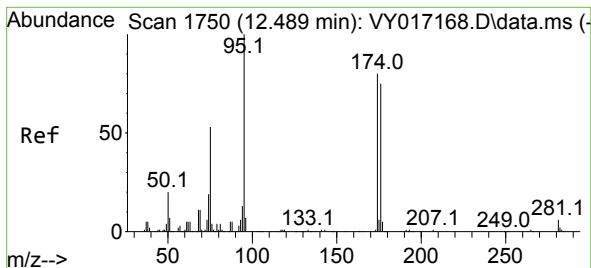
Tgt Ion: 69 Resp: 313
Ion Ratio Lower Upper
69 100
41 126.8 49.2 73.8#
39 0.0 26.8 40.2#



#59
2-Hexanone
Concen: 1.024 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.030 min
Lab File: VY017239.D
Acq: 05 Feb 2024 19:12

Tgt Ion: 43 Resp: 539
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#

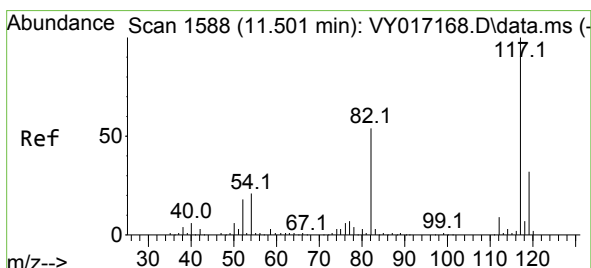
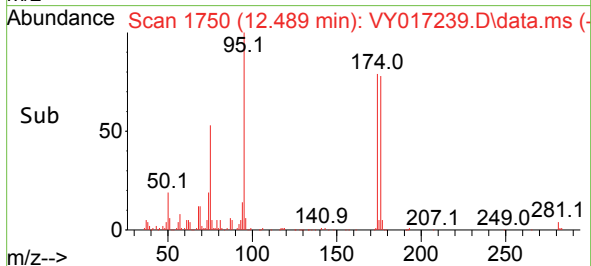
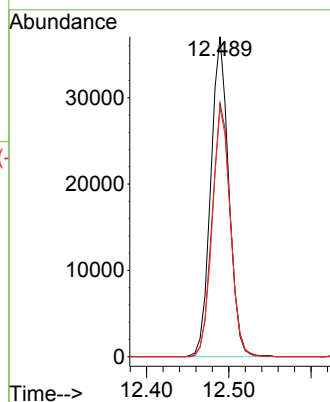
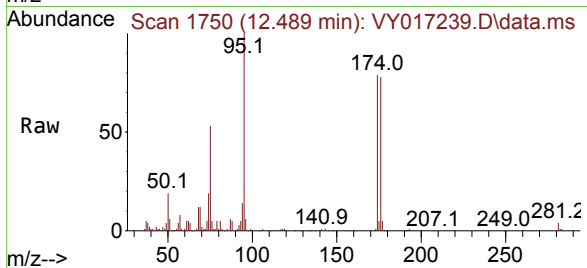




#62
4-Bromofluorobenzene
Concen: 49.236 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY017239.D
Acq: 05 Feb 2024 19:12

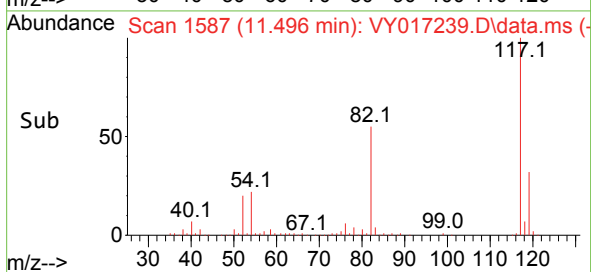
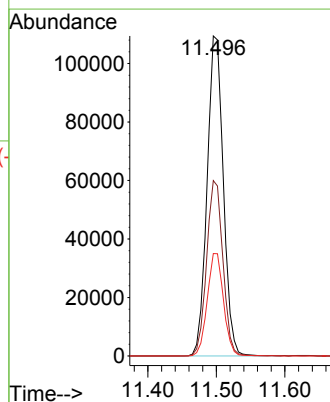
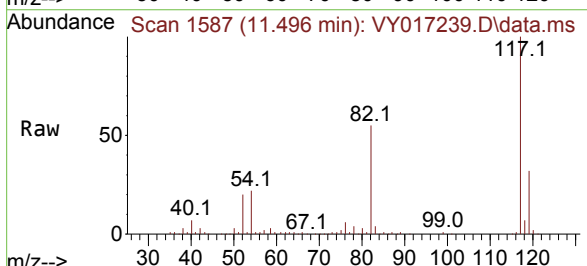
Instrument :
MSVOA_Y
ClientSampleId :
EB-2-0-2

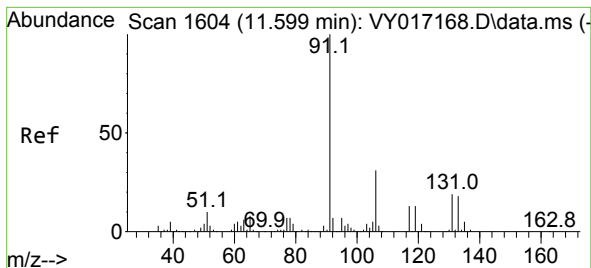
Tgt Ion:	95	Resp:	56282
Ion	Ratio	Lower	Upper
95	100		
174	80.4	0.0	160.0
176	78.3	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY017239.D
Acq: 05 Feb 2024 19:12

Tgt Ion:	117	Resp:	180509
Ion	Ratio	Lower	Upper
117	100		
82	54.8	43.8	65.8
119	32.0	26.5	39.7





#67

Ethyl Benzene

Concen: 2.585 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. 0.000 min

Lab File: VY017239.D

Acq: 05 Feb 2024 19:12

Instrument :

MSVOA_Y

ClientSampleId :

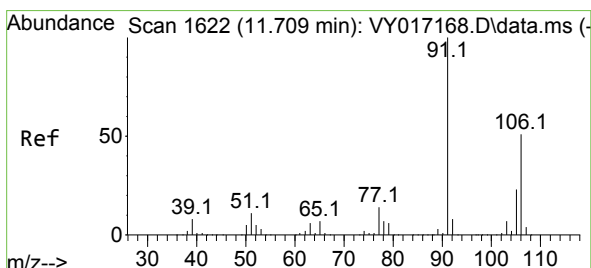
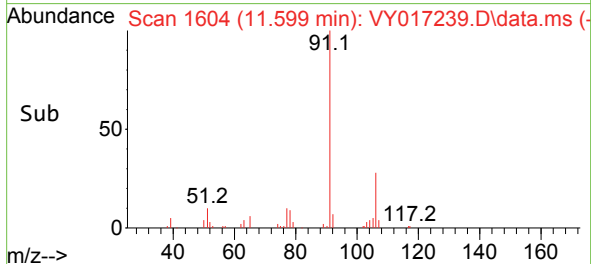
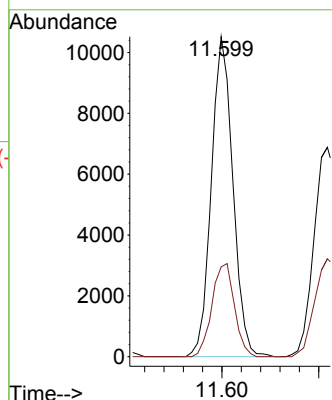
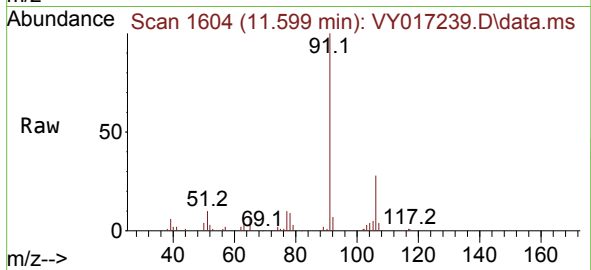
EB-2-0-2

Tgt Ion: 91 Resp: 16270

Ion Ratio Lower Upper

91 100

106 28.0 25.0 37.4



#68

m/p-Xylenes

Concen: 2.517 ug/l

RT: 11.709 min Scan# 1622

Delta R.T. 0.000 min

Lab File: VY017239.D

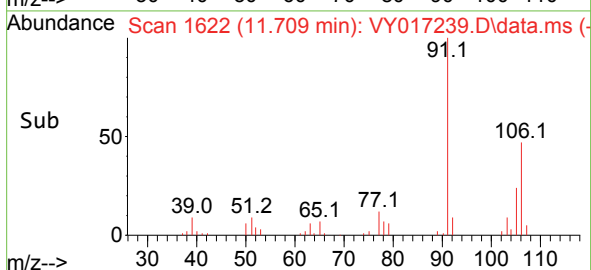
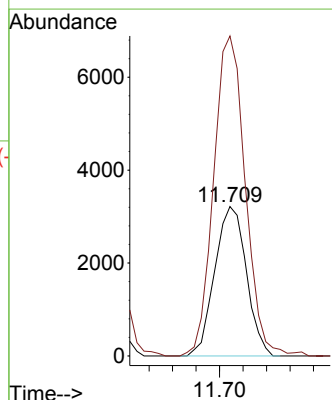
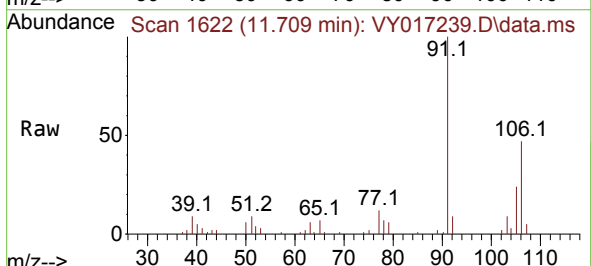
Acq: 05 Feb 2024 19:12

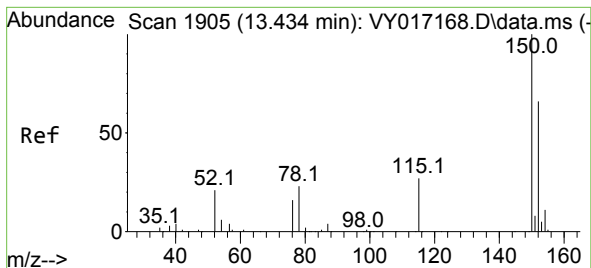
Tgt Ion: 106 Resp: 6011

Ion Ratio Lower Upper

106 100

91 214.4 160.7 241.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY017239.D

Acq: 05 Feb 2024 19:12

Instrument :

MSVOA_Y

ClientSampleId :

EB-2-0-2

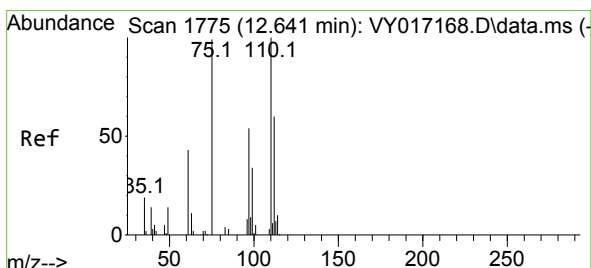
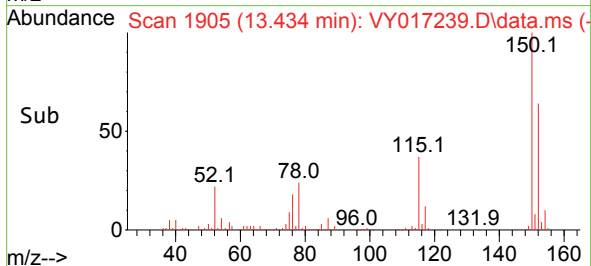
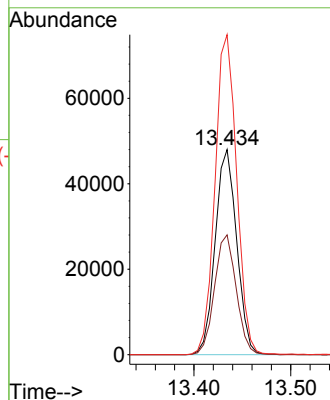
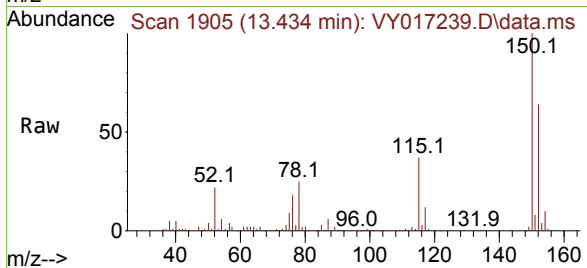
Tgt Ion:152 Resp: 74148

Ion Ratio Lower Upper

152 100

115 59.1 30.0 90.0

150 156.7 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 43.507 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY017239.D

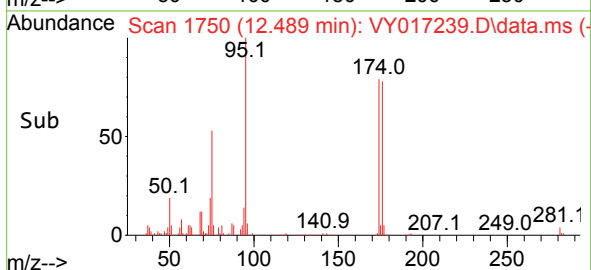
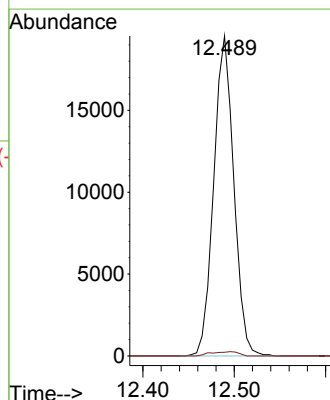
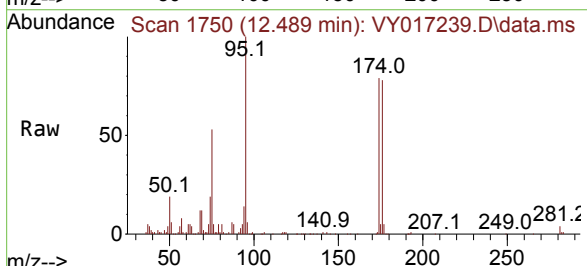
Acq: 05 Feb 2024 19:12

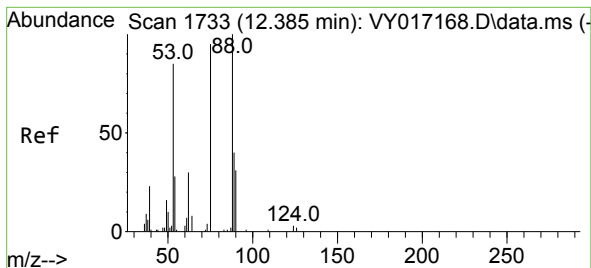
Tgt Ion: 75 Resp: 29775

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#

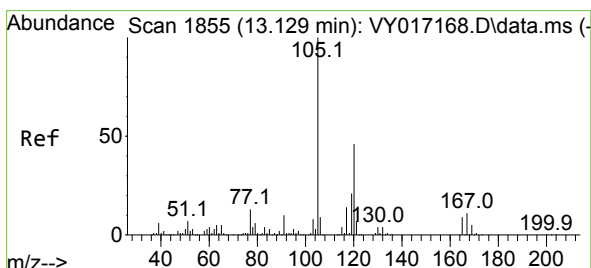
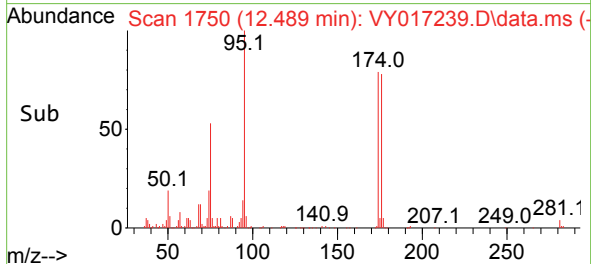
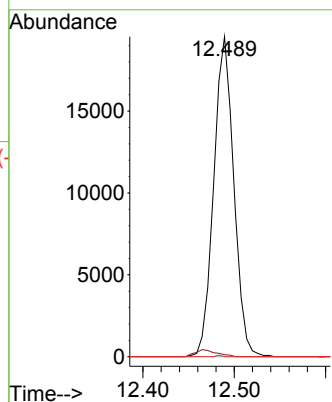
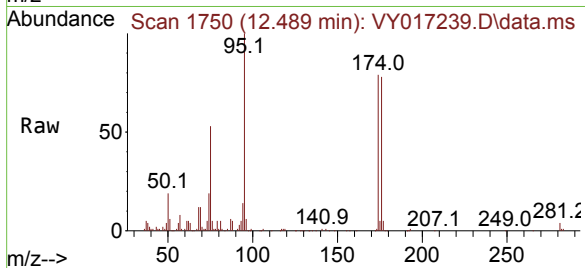




#81
trans-1,4-Dichloro-2-butene
Concen: 90.401 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY017239.D
Acq: 05 Feb 2024 19:12

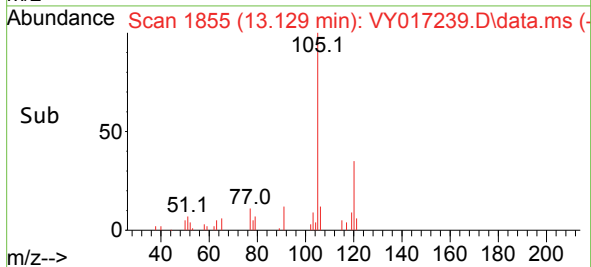
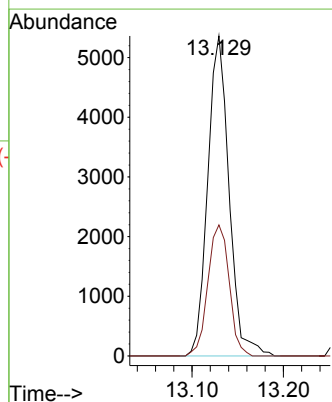
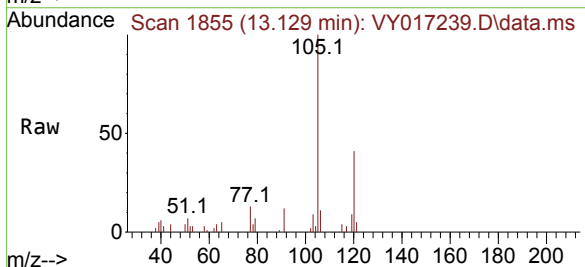
Instrument :
MSVOA_Y
ClientSampleId :
EB-2-0-2

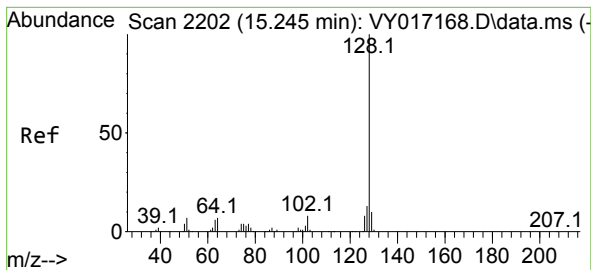
Tgt Ion: 75 Resp: 29775
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.1 36.5 54.7#



#84
1,2,4-Trimethylbenzene
Concen: 2.031 ug/l
RT: 13.129 min Scan# 1855
Delta R.T. 0.000 min
Lab File: VY017239.D
Acq: 05 Feb 2024 19:12

Tgt Ion: 105 Resp: 8684
Ion Ratio Lower Upper
105 100
120 40.8 22.1 66.3





#95

Naphthalene

Concen: 3.904 ug/l

RT: 15.245 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY017239.D

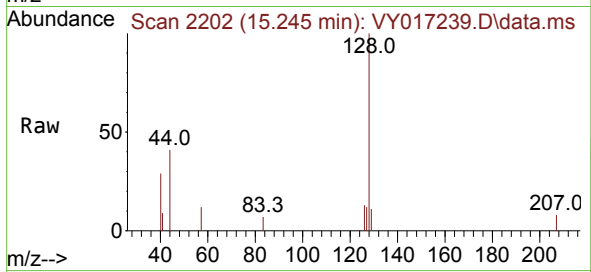
Acq: 05 Feb 2024 19:12

Instrument :

MSVOA_Y

ClientSampleId :

EB-2-0-2



Tgt Ion:128 Resp: 1010

Ion Ratio Lower Upper

128 100

127 7.3 10.2 15.4#

129 8.2 8.6 12.8#

