

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020524\
 Data File : VY017236.D
 Acq On : 05 Feb 2024 18:01
 Operator : SY/MD
 Sample : P1141-03
 Misc : 5.37g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EB-4-0-2

Quant Time: Feb 06 01:02:59 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)

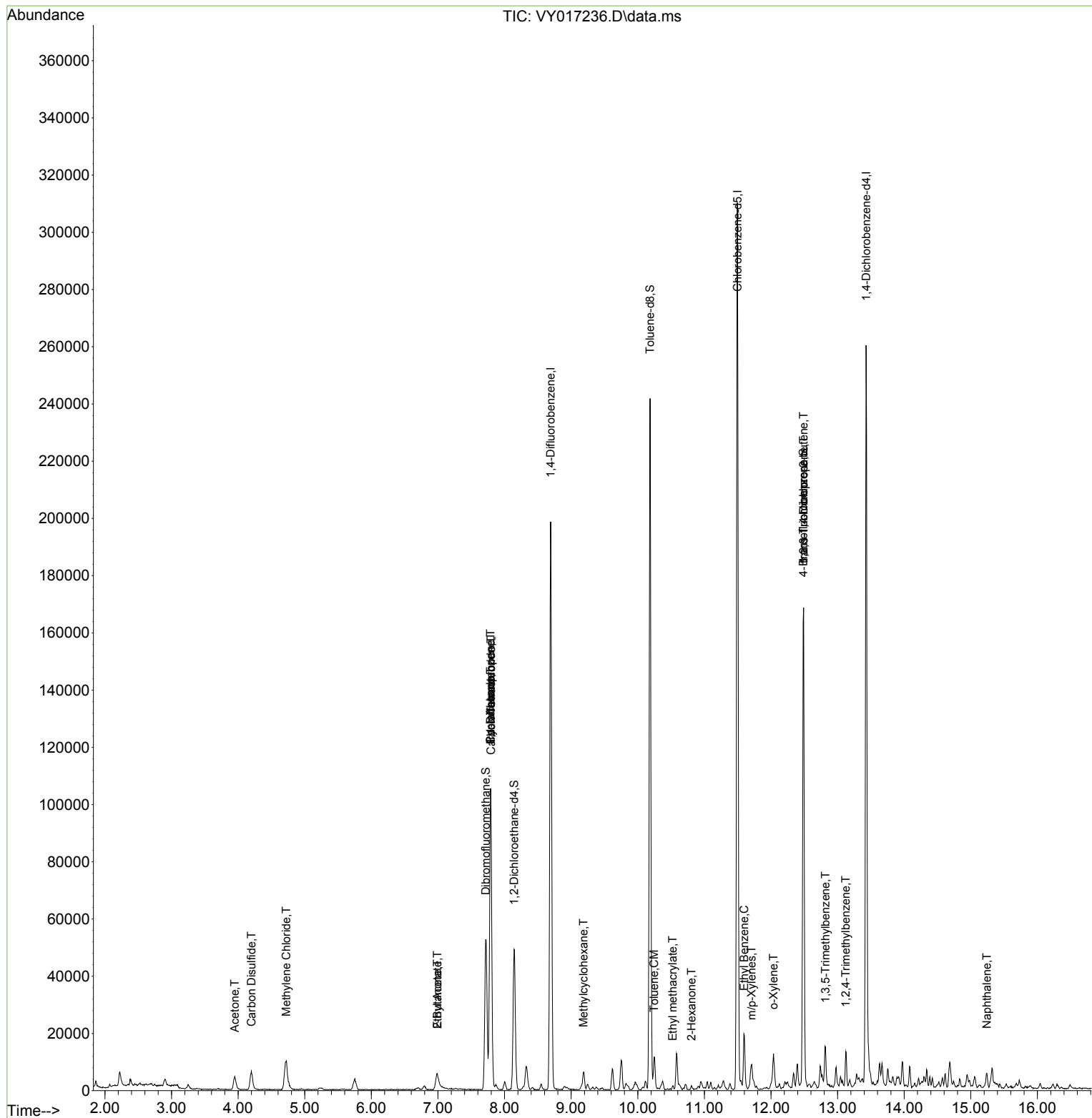
Internal Standards						
1) Pentafluorobenzene	7.789	168	78976	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	168859	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	171160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	64365	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	36194	51.301	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.600%			
35) Dibromofluoromethane	7.716	113	39508	43.333	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 86.660%			
50) Toluene-d8	10.185	98	151965	45.779	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 91.560%			
62) 4-Bromofluorobenzene	12.483	95	51752	47.591	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.180%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.948	59	214	Below Cal	#	75
16) Acetone	3.948	43	8012	38.638	ug/l	93
17) Carbon Disulfide	4.198	76	9517	3.895	ug/l	100
20) Methylene Chloride	4.723	84	7429	5.639	ug/l	92
25) 2-Butanone	6.990	43	2035	7.382	ug/l	97
31) Cyclohexane	7.789	56	3039	2.137	ug/l	# 23
36) 1,1-Dichloropropene	7.789	75	6966	4.429	ug/l	# 48
37) Ethyl Acetate	6.990	43	2035	2.790	ug/l	# 78
38) Carbon Tetrachloride	7.795	117	7963	5.288	ug/l	# 16
39) Methylcyclohexane	9.185	83	2136	1.163	ug/l	# 86
52) Toluene	10.246	92	4939	1.822	ug/l	97
56) Ethyl methacrylate	10.526	69	125	3.112	ug/l	# 1
59) 2-Hexanone	10.807	43	857	1.712	ug/l	# 23
67) Ethyl Benzene	11.599	91	13300	2.229	ug/l	93
68) m/p-Xylenes	11.709	106	2278	1.006	ug/l	92
69) o-Xylene	12.038	106	2464	1.182	ug/l	95
76) 1,2,3-Trichloropropane	12.489	75	26693	44.932	ug/l	# 100
80) 1,3,5-Trimethylbenzene	12.819	105	4912	1.306	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.489	75	26693	93.362	ug/l	# 12
84) 1,2,4-Trimethylbenzene	13.123	105	6671	1.797	ug/l	97
95) Naphthalene	15.239	128	4090	5.664	ug/l	95

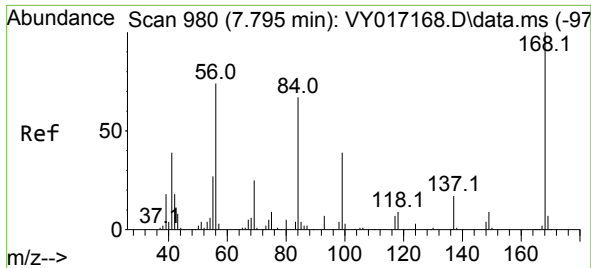
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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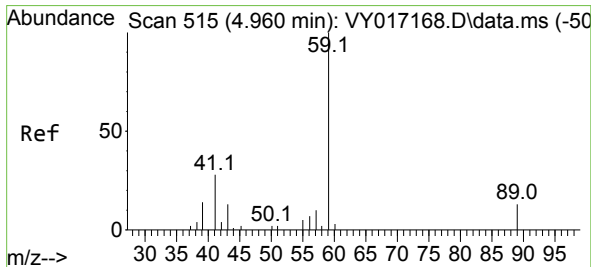
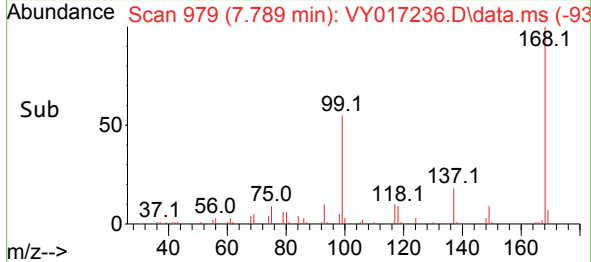
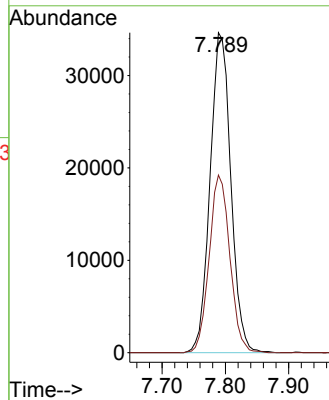
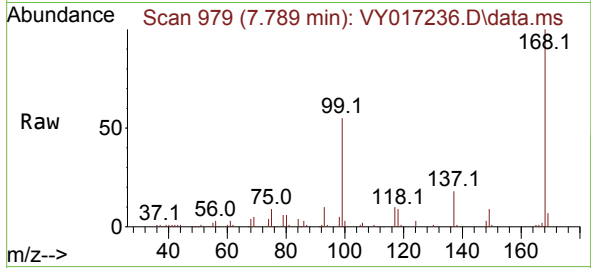




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017236.D
Acq: 05 Feb 2024 18:01

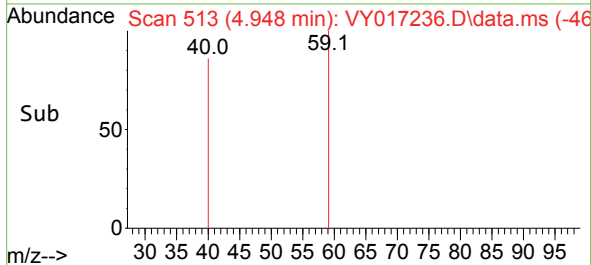
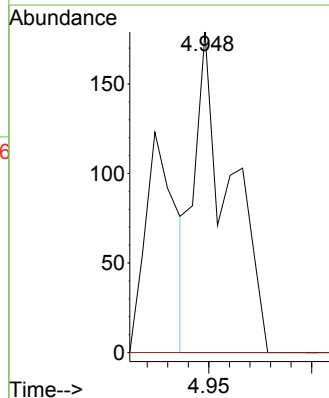
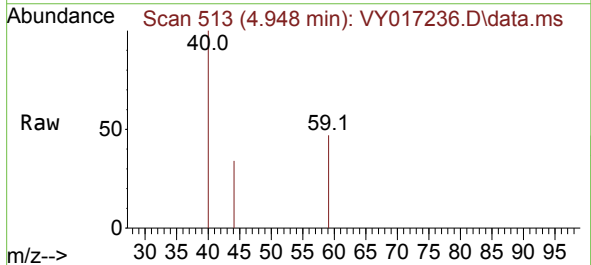
Instrument :
MSVOA_Y
ClientSampleId :
EB-4-0-2

Tgt Ion:168 Resp: 78976
Ion Ratio Lower Upper
168 100
99 55.5 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY017236.D
Acq: 05 Feb 2024 18:01

Tgt Ion: 59 Resp: 214
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 38.638 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY017236.D

Acq: 05 Feb 2024 18:01

Instrument :

MSVOA_Y

ClientSampleId :

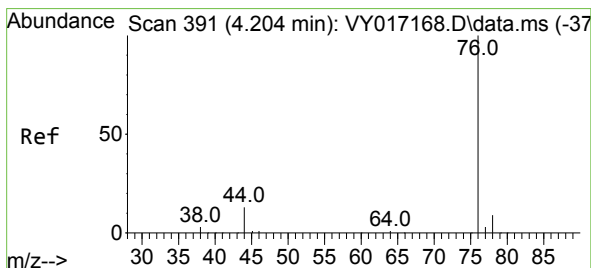
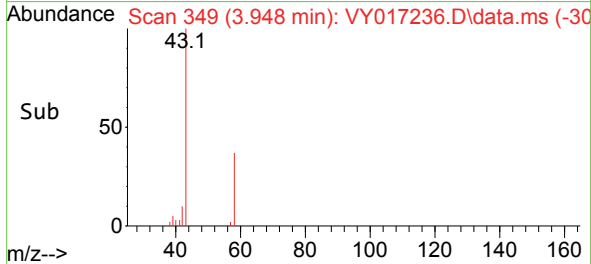
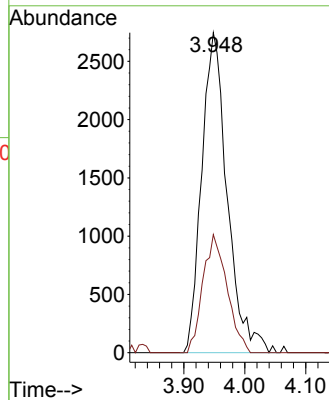
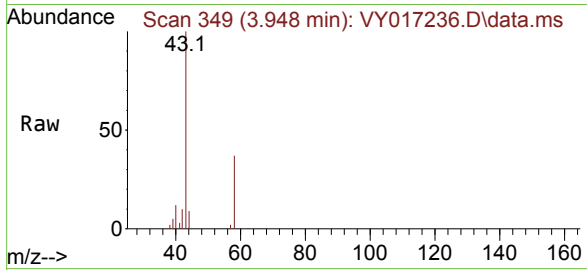
EB-4-0-2

Tgt Ion: 43 Resp: 8012

Ion Ratio Lower Upper

43 100

58 36.9 26.6 39.8



#17

Carbon Disulfide

Concen: 3.895 ug/l

RT: 4.198 min Scan# 390

Delta R.T. -0.006 min

Lab File: VY017236.D

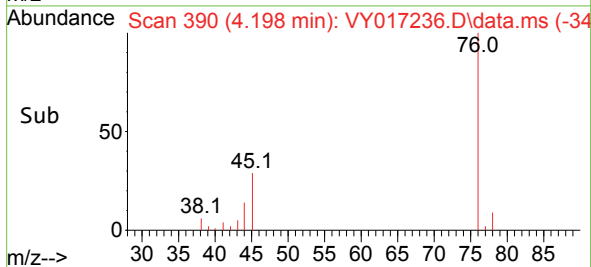
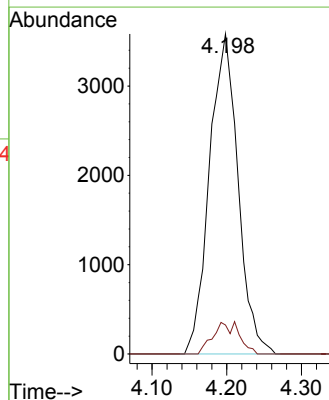
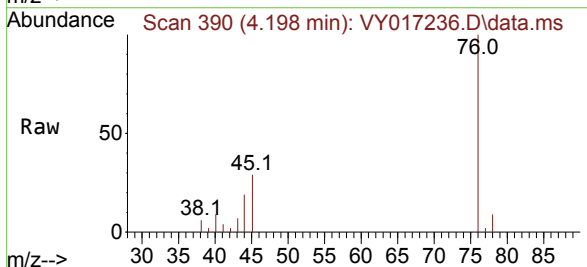
Acq: 05 Feb 2024 18:01

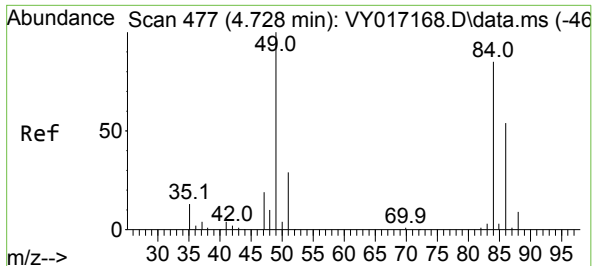
Tgt Ion: 76 Resp: 9517

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0





#20

Methylene Chloride

Concen: 5.639 ug/l

RT: 4.723 min Scan# 41

Delta R.T. -0.005 min

Lab File: VY017236.D

Acq: 05 Feb 2024 18:01

Instrument :

MSVOA_Y

ClientSampleId :

EB-4-0-2

Tgt Ion: 84 Resp: 7429

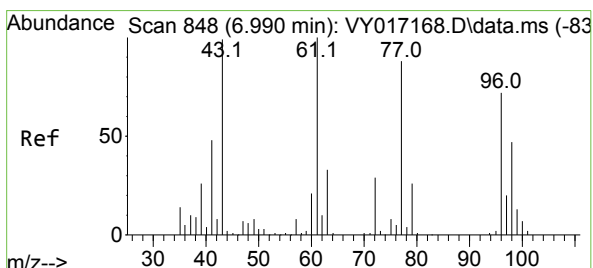
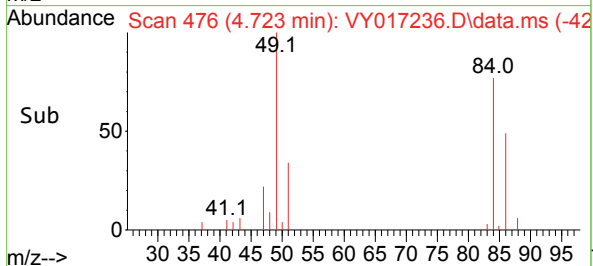
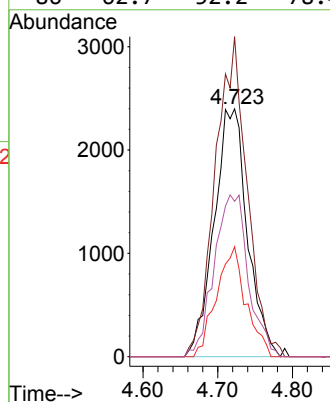
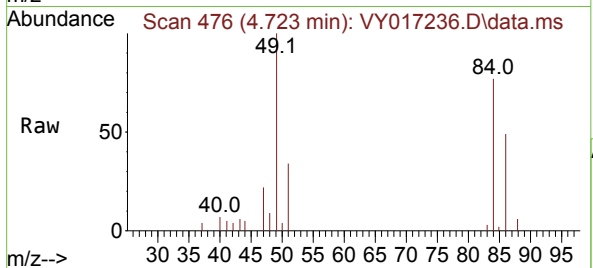
Ion Ratio Lower Upper

84 100

49 129.1 95.2 142.8

51 44.4 29.9 44.9

86 62.7 52.2 78.4



#25

2-Butanone

Concen: 7.382 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY017236.D

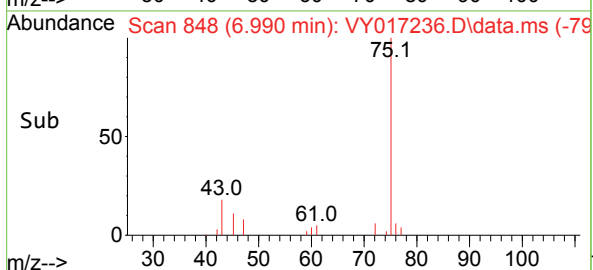
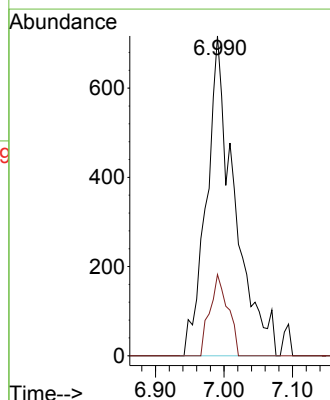
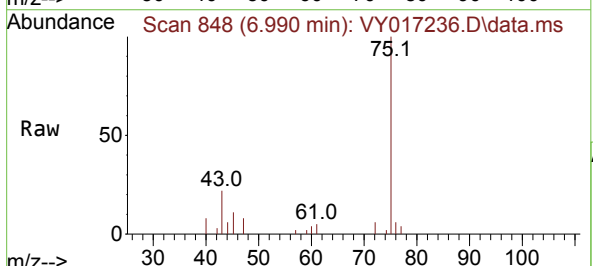
Acq: 05 Feb 2024 18:01

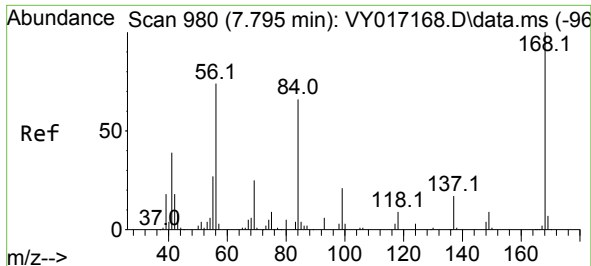
Tgt Ion: 43 Resp: 2035

Ion Ratio Lower Upper

43 100

72 25.4 21.4 32.2

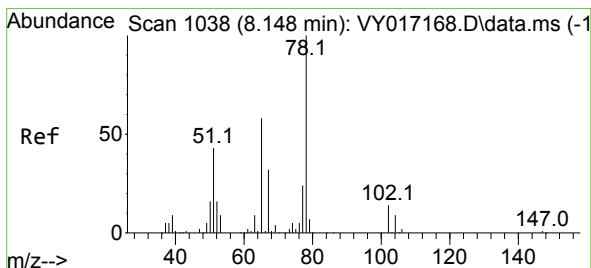
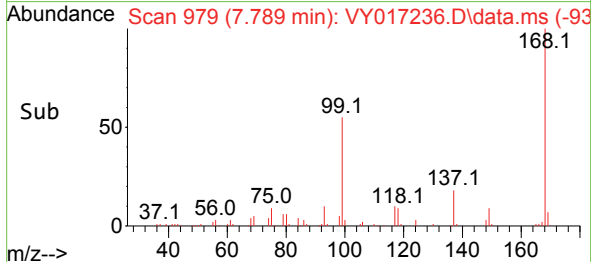
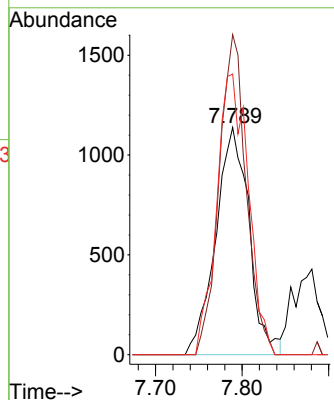
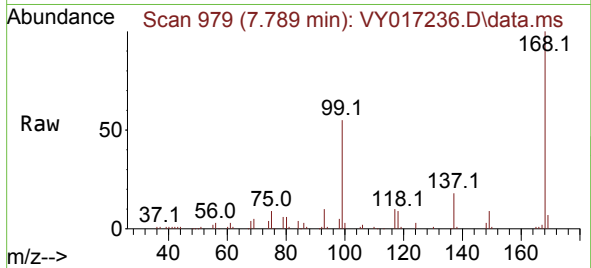




#31
Cyclohexane
Concen: 2.137 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017236.D
Acq: 05 Feb 2024 18:01

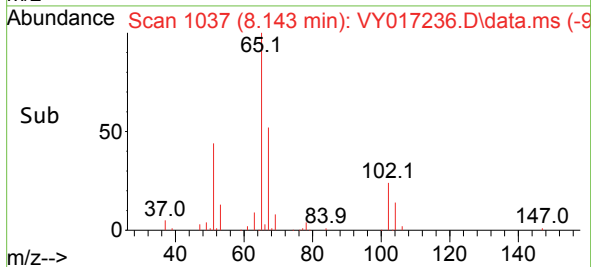
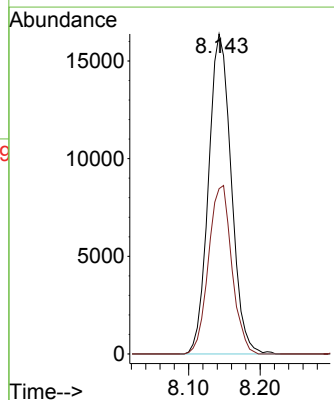
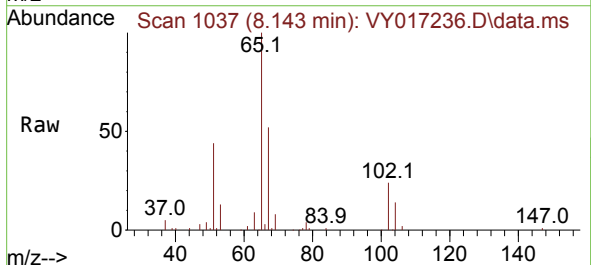
Instrument :
MSVOA_Y
ClientSampleId :
EB-4-0-2

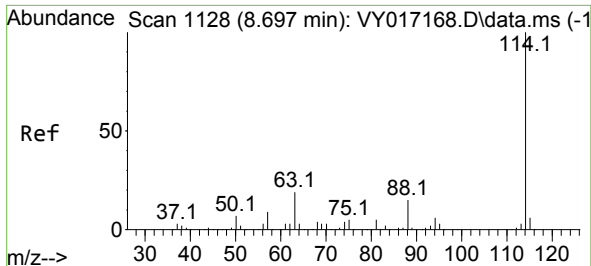
Tgt Ion: 56 Resp: 3039
Ion Ratio Lower Upper
56 100
69 140.9 27.0 40.6#
84 123.6 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 51.301 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY017236.D
Acq: 05 Feb 2024 18:01

Tgt Ion: 65 Resp: 36194
Ion Ratio Lower Upper
65 100
67 53.9 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY017236.D

Acq: 05 Feb 2024 18:01

Instrument :

MSVOA_Y

ClientSampleId :

EB-4-0-2

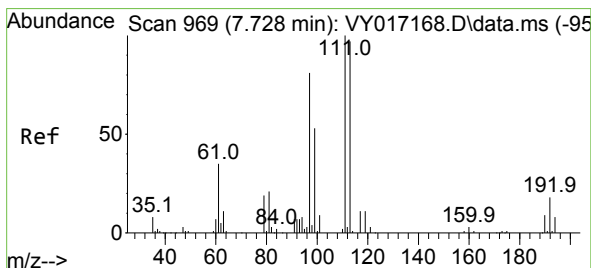
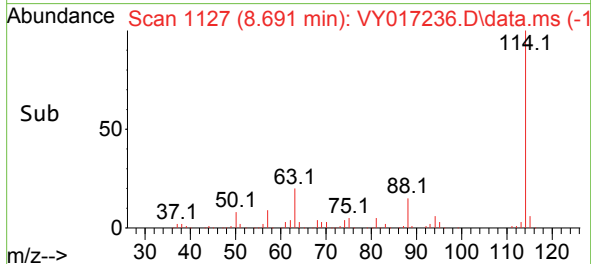
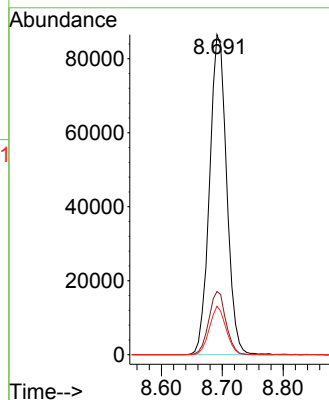
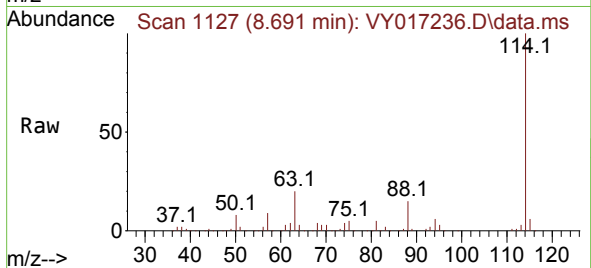
Tgt Ion:114 Resp: 168859

Ion Ratio Lower Upper

114 100

63 19.7 0.0 37.4

88 15.2 0.0 29.0



#35

Dibromofluoromethane

Concen: 43.333 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.012 min

Lab File: VY017236.D

Acq: 05 Feb 2024 18:01

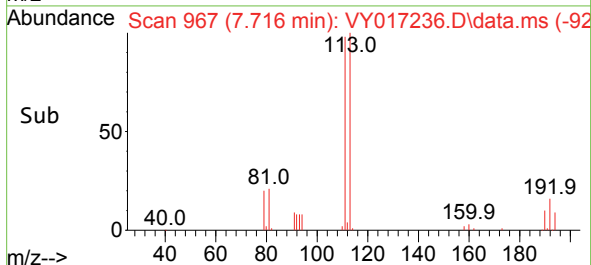
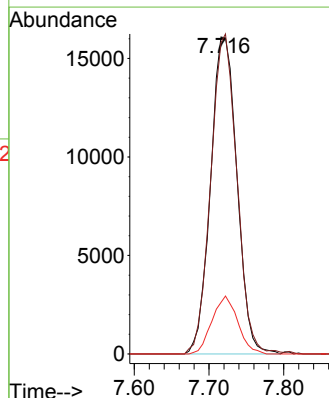
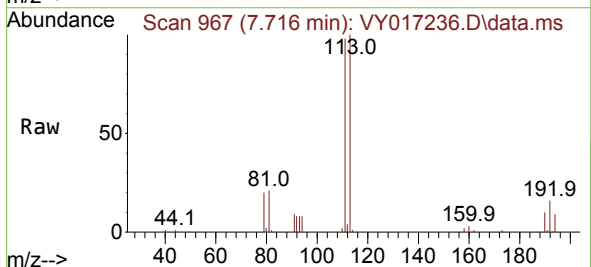
Tgt Ion:113 Resp: 39508

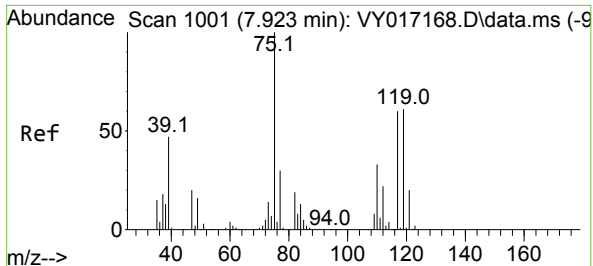
Ion Ratio Lower Upper

113 100

111 99.9 83.8 125.6

192 17.8 14.5 21.7

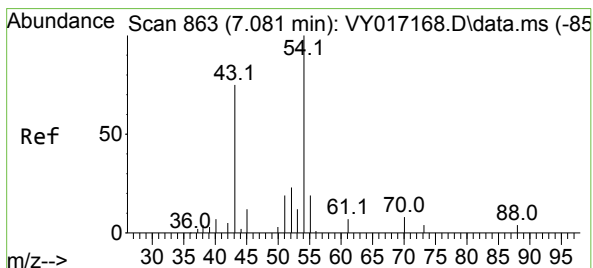
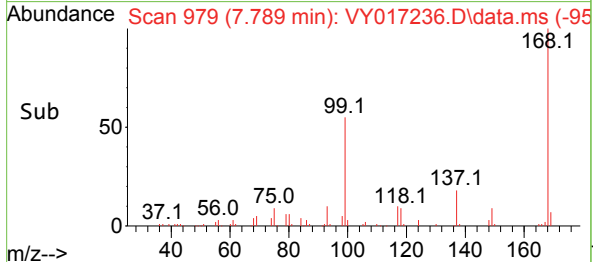
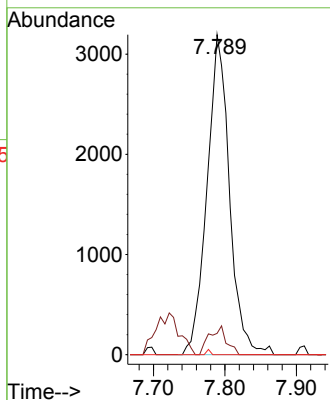
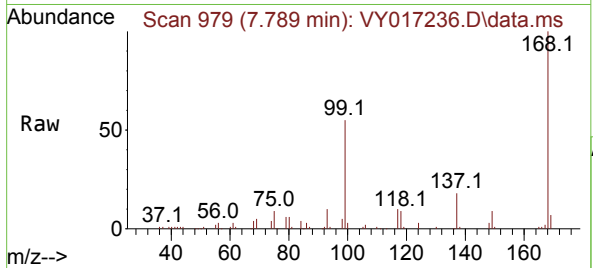




#36
1,1-Dichloropropene
Concen: 4.429 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY017236.D
Acq: 05 Feb 2024 18:01

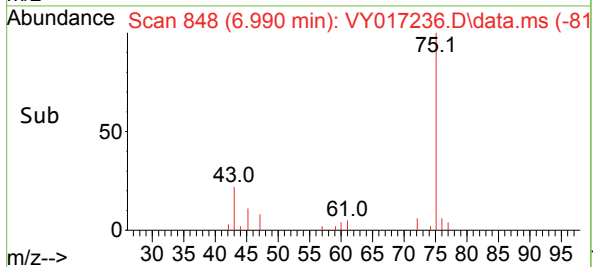
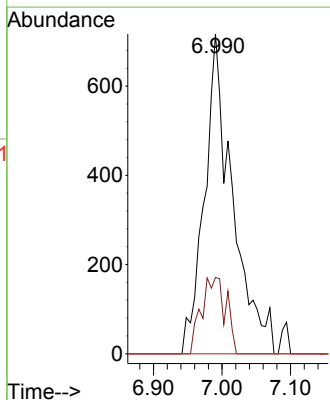
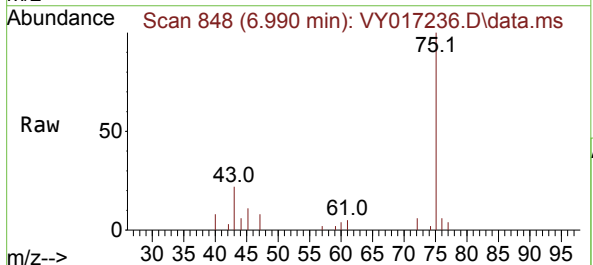
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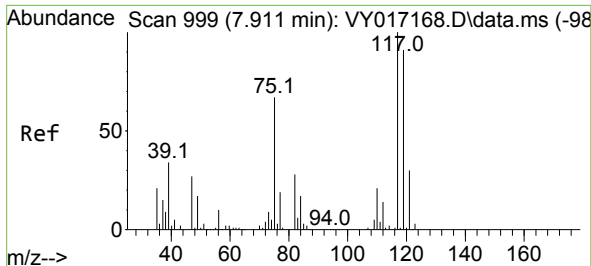
Tgt Ion: 75 Resp: 6966
Ion Ratio Lower Upper
75 100
110 6.8 17.4 52.3#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 2.790 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.091 min
Lab File: VY017236.D
Acq: 05 Feb 2024 18:01

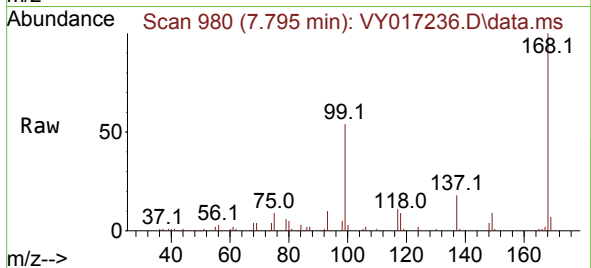
Tgt Ion: 43 Resp: 2035
Ion Ratio Lower Upper
43 100
61 20.9 11.0 16.6#
70 0.0 8.1 12.1#



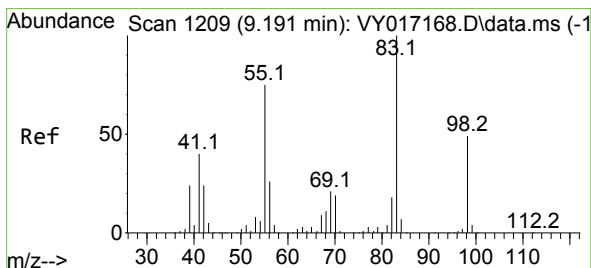
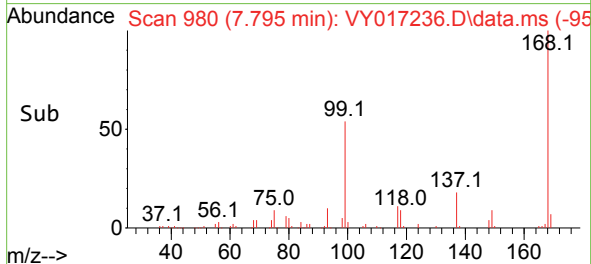
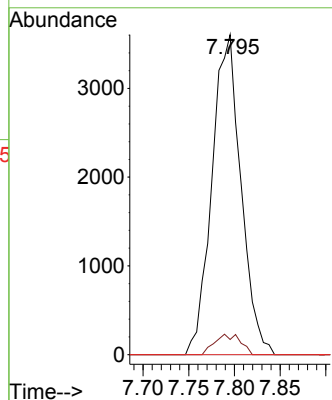


#38
Carbon Tetrachloride
Concen: 5.288 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY017236.D
Acq: 05 Feb 2024 18:01

Instrument :
MSVOA_Y
ClientSampleId :
EB-4-0-2

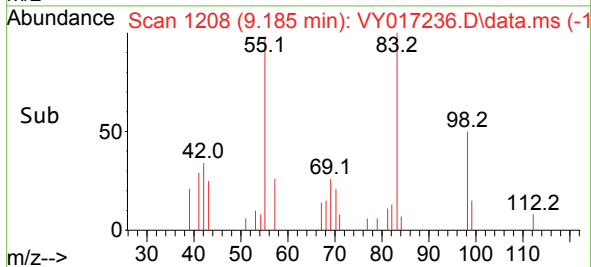
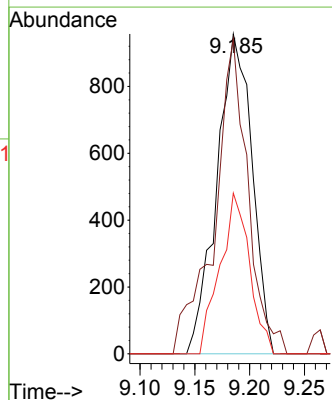
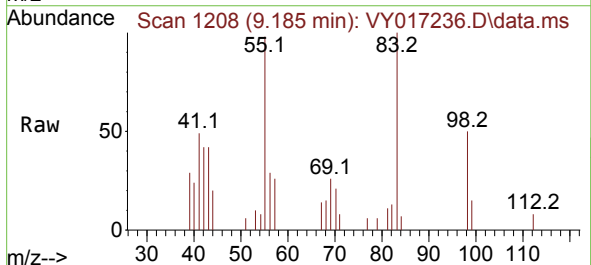


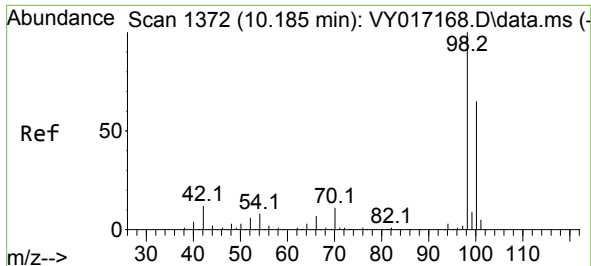
Tgt Ion:117 Resp: 7963
Ion Ratio Lower Upper
117 100
119 4.7 76.0 114.0#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 1.163 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.006 min
Lab File: VY017236.D
Acq: 05 Feb 2024 18:01

Tgt Ion: 83 Resp: 2136
Ion Ratio Lower Upper
83 100
55 91.2 59.7 89.5#
98 50.3 38.0 57.0

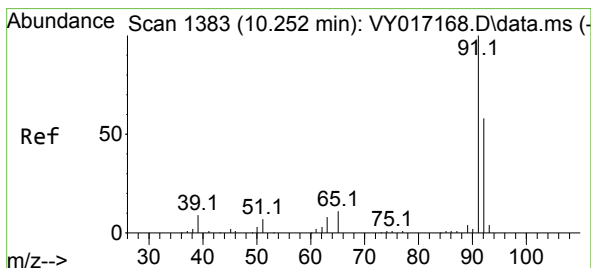
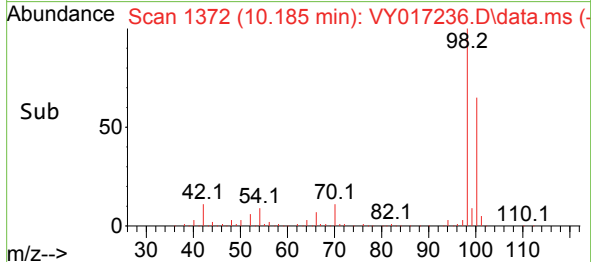
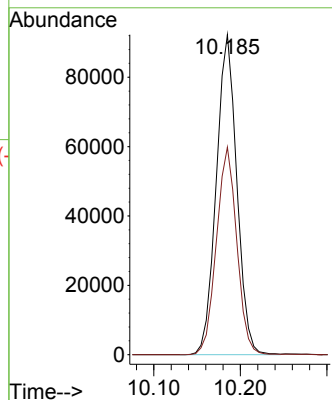
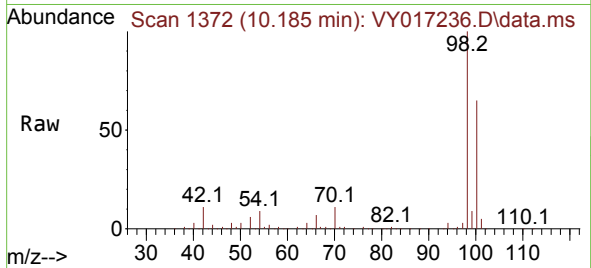




#50
Toluene-d8
Concen: 45.779 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017236.D
Acq: 05 Feb 2024 18:01

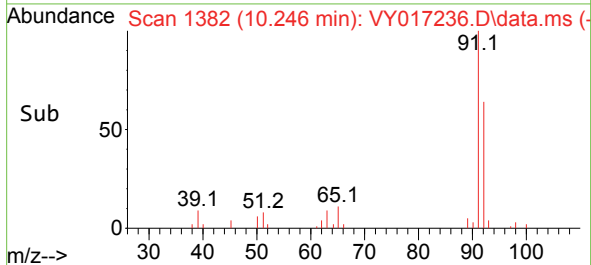
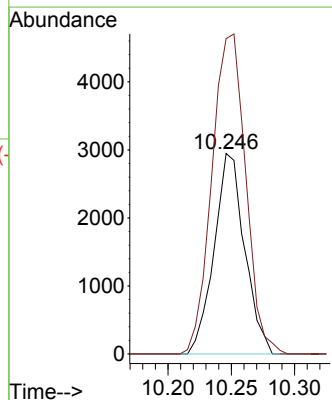
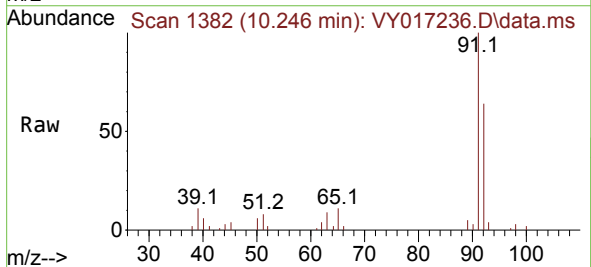
Instrument :
MSVOA_Y
ClientSampleId :
EB-4-0-2

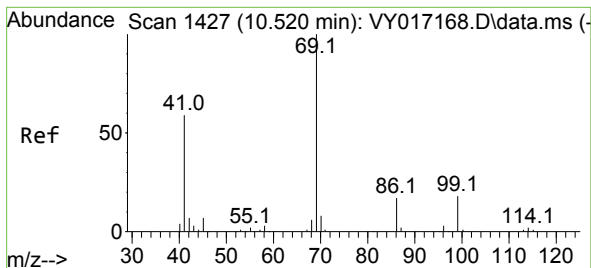
Tgt Ion: 98 Resp: 151965
Ion Ratio Lower Upper
98 100
100 64.3 52.3 78.5



#52
Toluene
Concen: 1.822 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.006 min
Lab File: VY017236.D
Acq: 05 Feb 2024 18:01

Tgt Ion: 92 Resp: 4939
Ion Ratio Lower Upper
92 100
91 176.8 137.6 206.4





#56

Ethyl methacrylate

Concen: 3.112 ug/l

RT: 10.526 min Scan# 1427

Delta R.T. 0.006 min

Lab File: VY017236.D

Acq: 05 Feb 2024 18:01

Instrument :

MSVOA_Y

ClientSampleId :

EB-4-0-2

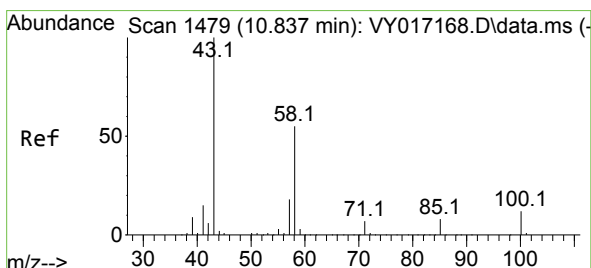
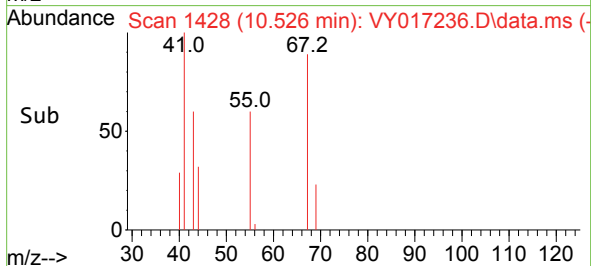
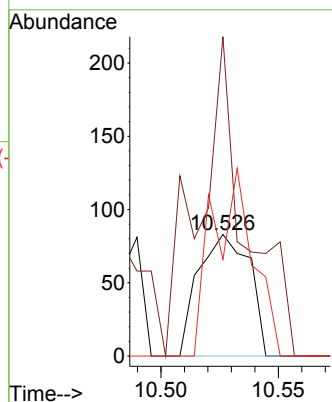
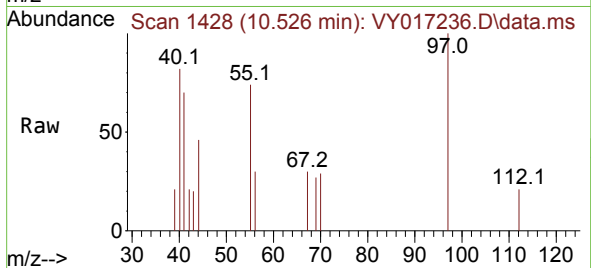
Tgt Ion: 69 Resp: 125

Ion Ratio Lower Upper

69 100

41 240.0 49.2 73.8#

39 123.2 26.8 40.2#



#59

2-Hexanone

Concen: 1.712 ug/l

RT: 10.807 min Scan# 1474

Delta R.T. -0.030 min

Lab File: VY017236.D

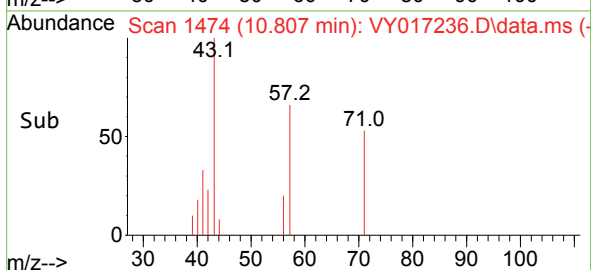
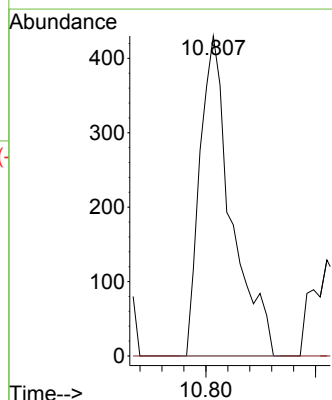
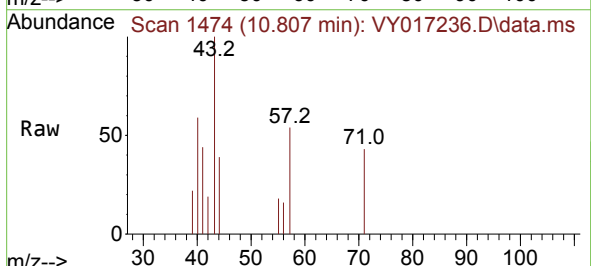
Acq: 05 Feb 2024 18:01

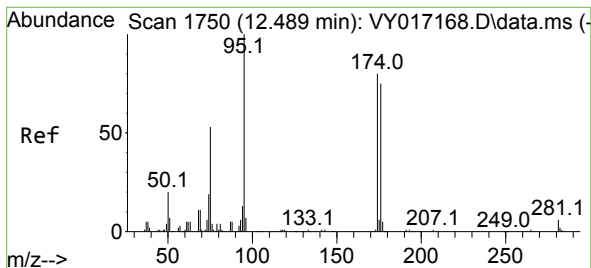
Tgt Ion: 43 Resp: 857

Ion Ratio Lower Upper

43 100

58 0.0 28.1 84.3#

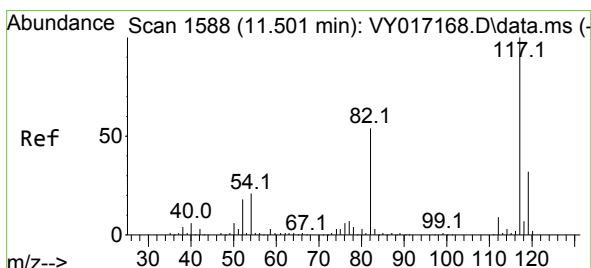
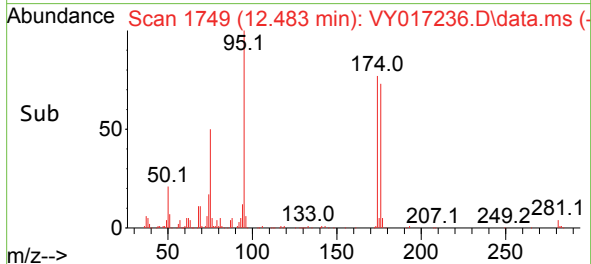
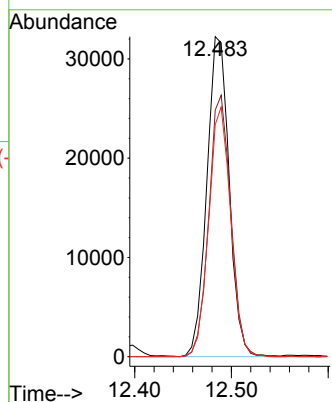
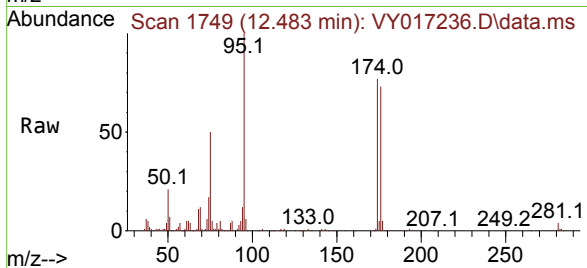




#62
4-Bromofluorobenzene
Concen: 47.591 ug/l
RT: 12.483 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY017236.D
Acq: 05 Feb 2024 18:01

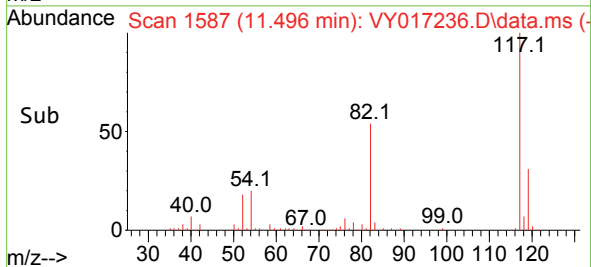
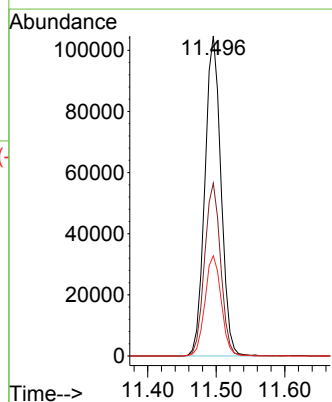
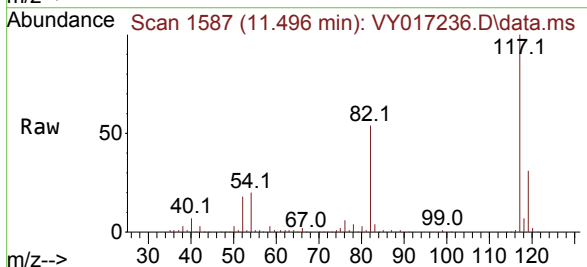
Instrument :
MSVOA_Y
ClientSampleId :
EB-4-0-2

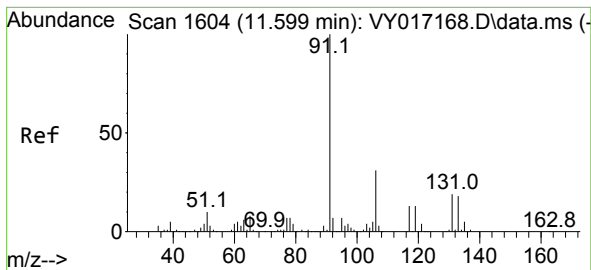
Tgt Ion: 95 Resp: 51752
Ion Ratio Lower Upper
95 100
174 80.6 0.0 160.0
176 77.0 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY017236.D
Acq: 05 Feb 2024 18:01

Tgt Ion: 117 Resp: 171160
Ion Ratio Lower Upper
117 100
82 54.0 43.8 65.8
119 31.3 26.5 39.7





#67

Ethyl Benzene

Concen: 2.229 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. 0.000 min

Lab File: VY017236.D

Acq: 05 Feb 2024 18:01

Instrument :

MSVOA_Y

ClientSampleId :

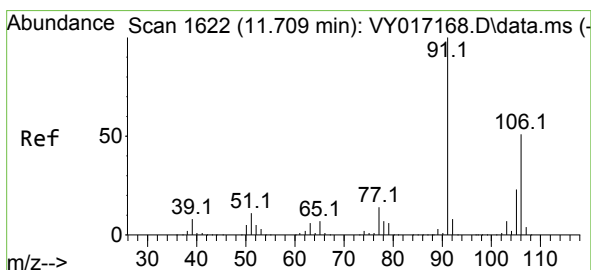
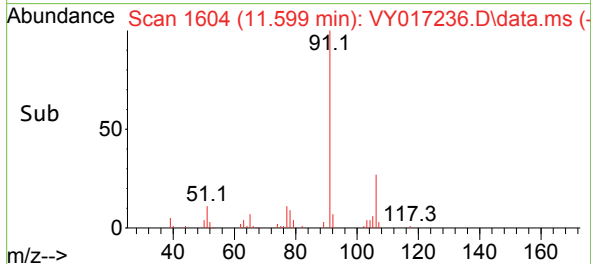
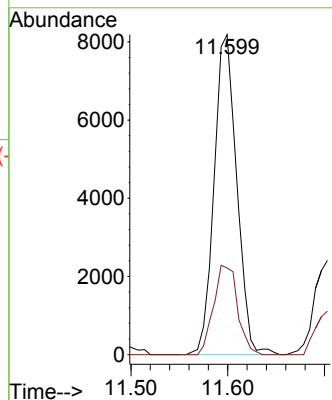
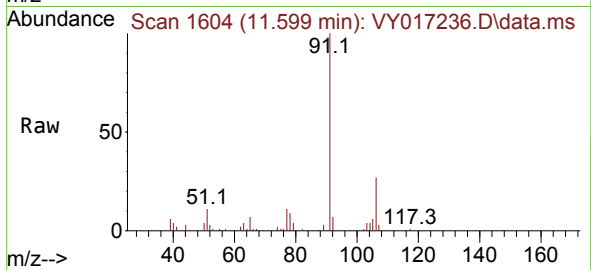
EB-4-0-2

Tgt Ion: 91 Resp: 13300

Ion Ratio Lower Upper

91 100

106 27.1 25.0 37.4



#68

m/p-Xylenes

Concen: 1.006 ug/l

RT: 11.709 min Scan# 1622

Delta R.T. 0.000 min

Lab File: VY017236.D

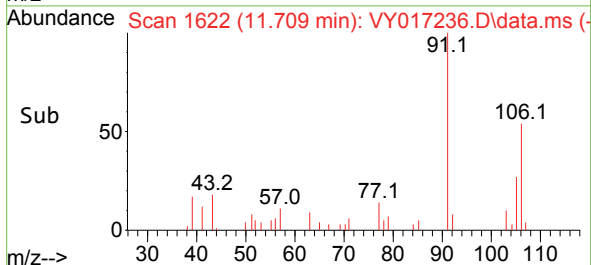
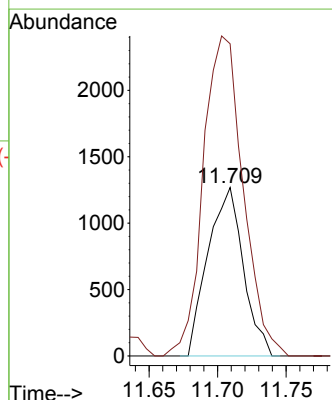
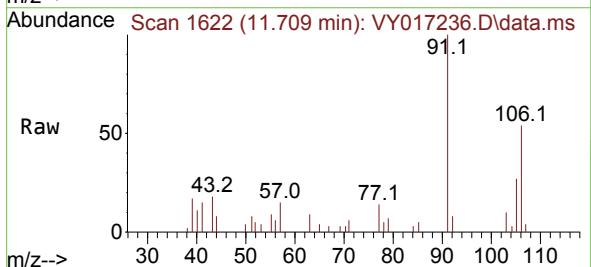
Acq: 05 Feb 2024 18:01

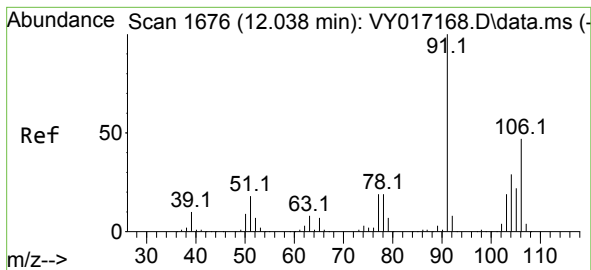
Tgt Ion: 106 Resp: 2278

Ion Ratio Lower Upper

106 100

91 213.7 160.7 241.1





#69

o-Xylene

Concen: 1.182 ug/l

RT: 12.038 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY017236.D

Acq: 05 Feb 2024 18:01

Instrument :

MSVOA_Y

ClientSampleId :

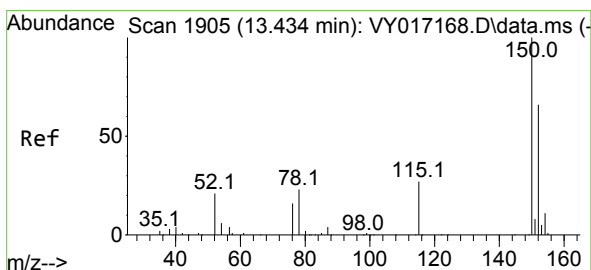
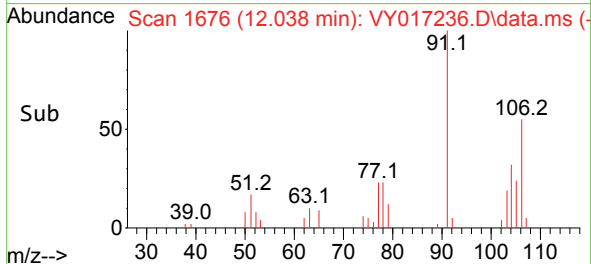
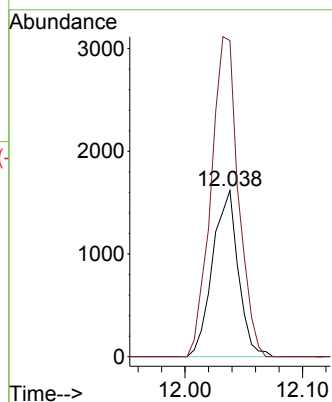
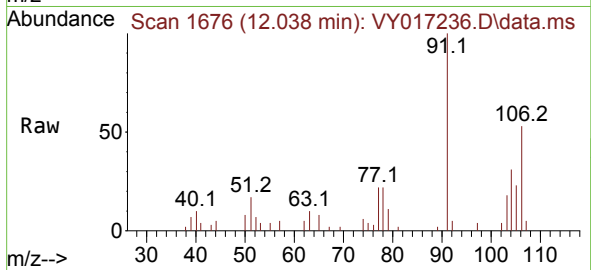
EB-4-0-2

Tgt Ion:106 Resp: 2464

Ion Ratio Lower Upper

106 100

91 205.0 106.5 319.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY017236.D

Acq: 05 Feb 2024 18:01

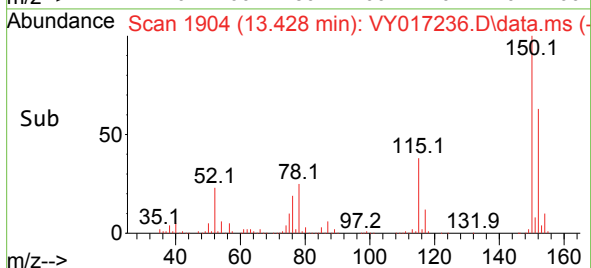
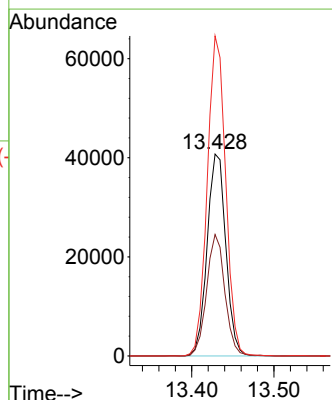
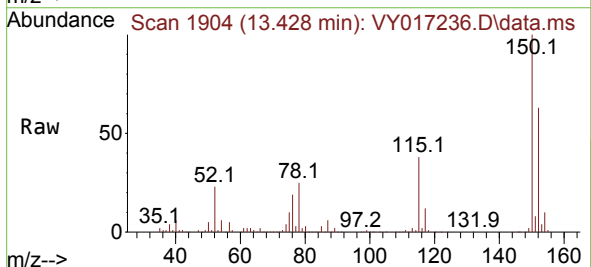
Tgt Ion:152 Resp: 64365

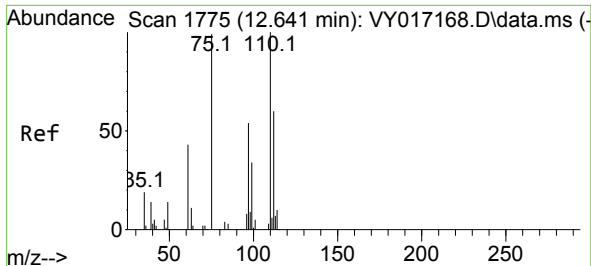
Ion Ratio Lower Upper

152 100

115 58.7 30.0 90.0

150 155.7 0.0 344.6

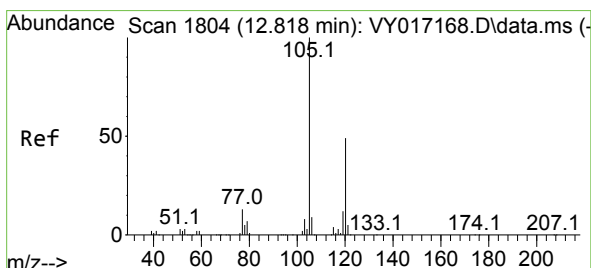
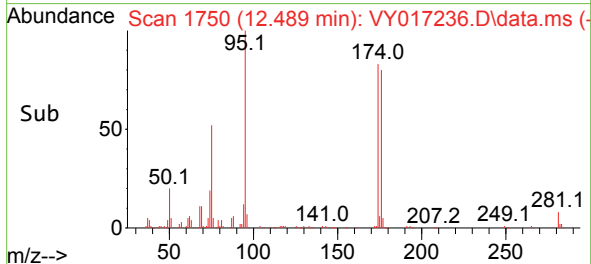
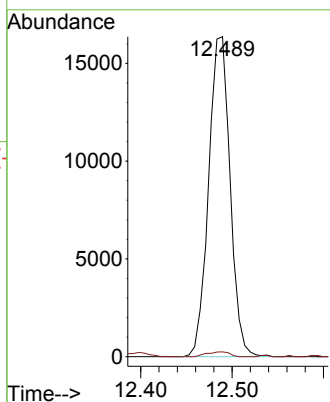
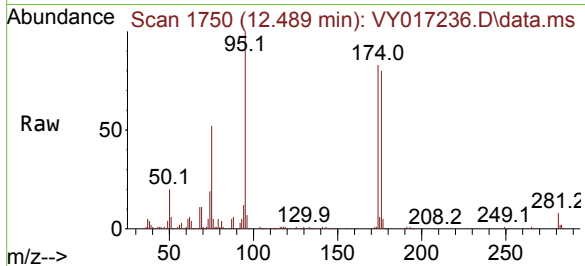




#76
1,2,3-Trichloropropane
Concen: 44.932 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.152 min
Lab File: VY017236.D
Acq: 05 Feb 2024 18:01

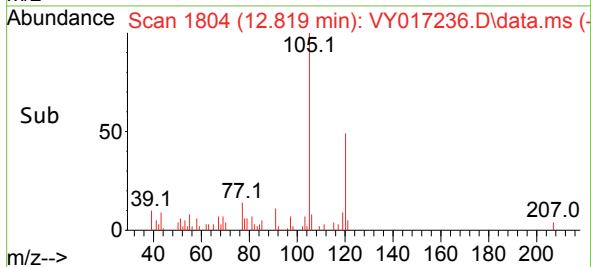
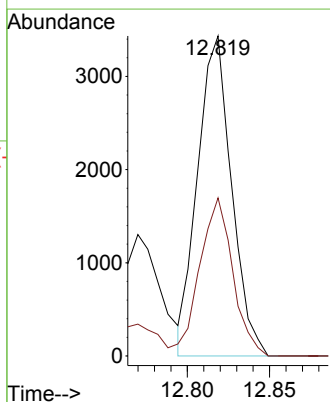
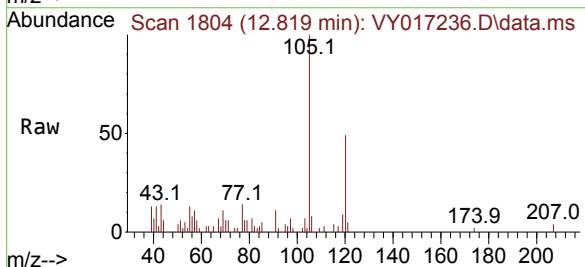
Instrument :
MSVOA_Y
ClientSampleId :
EB-4-0-2

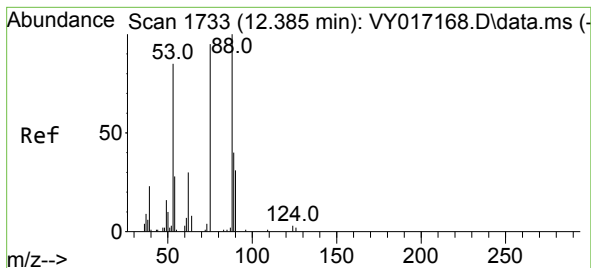
Tgt Ion: 75 Resp: 26693
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.306 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. 0.000 min
Lab File: VY017236.D
Acq: 05 Feb 2024 18:01

Tgt Ion: 105 Resp: 4912
Ion Ratio Lower Upper
105 100
120 48.4 24.3 72.8

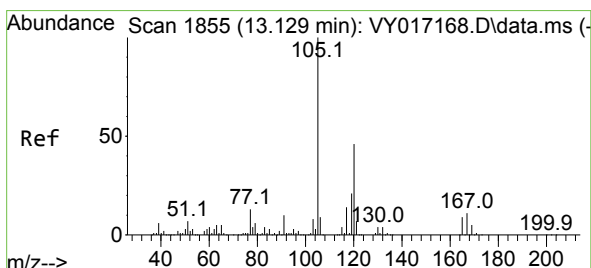
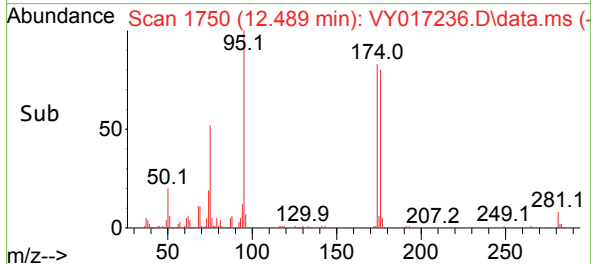
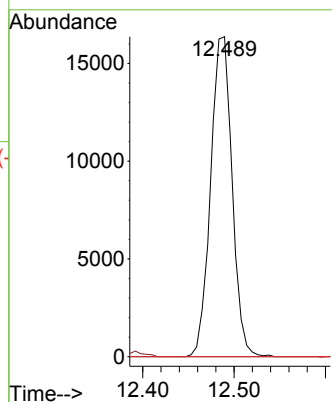
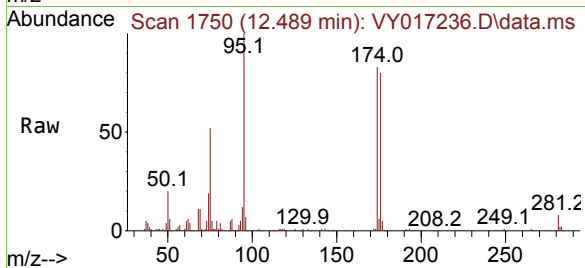




#81
trans-1,4-Dichloro-2-butene
Concen: 93.362 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY017236.D
Acq: 05 Feb 2024 18:01

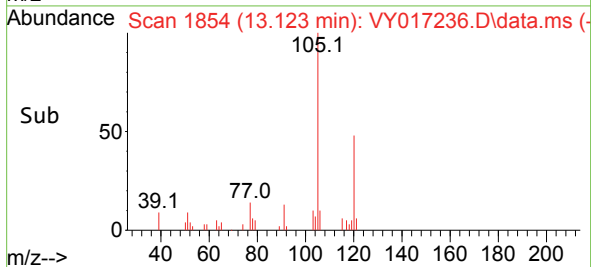
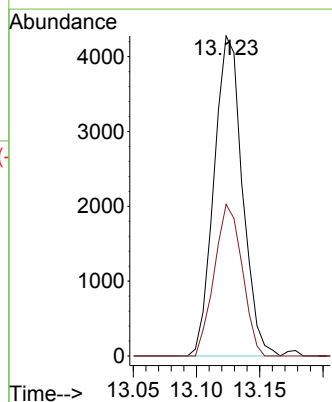
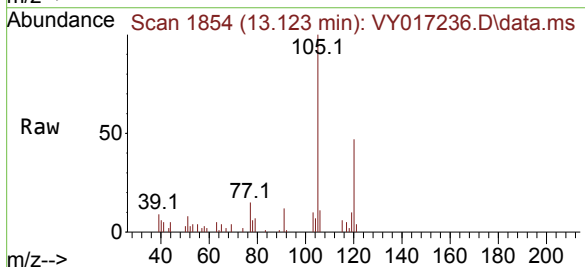
Instrument :
MSVOA_Y
ClientSampleId :
EB-4-0-2

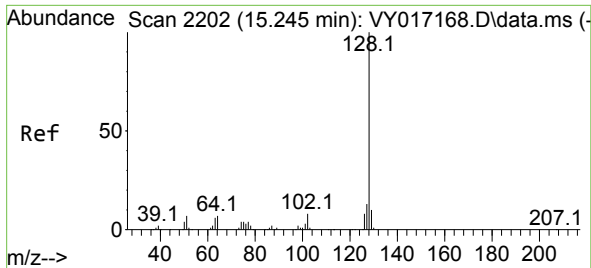
Tgt Ion: 75 Resp: 26693
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#84
1,2,4-Trimethylbenzene
Concen: 1.797 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.006 min
Lab File: VY017236.D
Acq: 05 Feb 2024 18:01

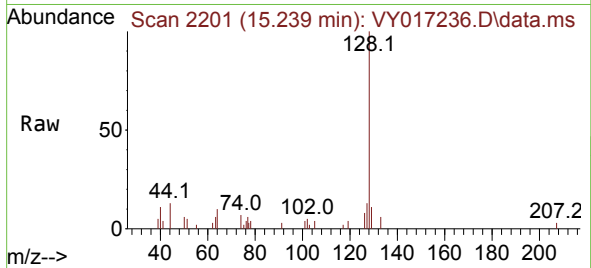
Tgt Ion: 105 Resp: 6671
Ion Ratio Lower Upper
105 100
120 46.4 22.1 66.3





#95
Naphthalene
Concen: 5.664 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY017236.D
Acq: 05 Feb 2024 18:01

Instrument :
MSVOA_Y
ClientSampleId :
EB-4-0-2



Tgt Ion:	128	Resp:	4090
Ion	Ratio	Lower	Upper
128	100		
127	15.3	10.2	15.4
129	12.4	8.6	12.8

