

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020524\
 Data File : VY017237.D
 Acq On : 05 Feb 2024 18:24
 Operator : SY/MD
 Sample : P1141-05
 Misc : 5.61g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EB-3-2-4

Quant Time: Feb 06 01:03:25 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)

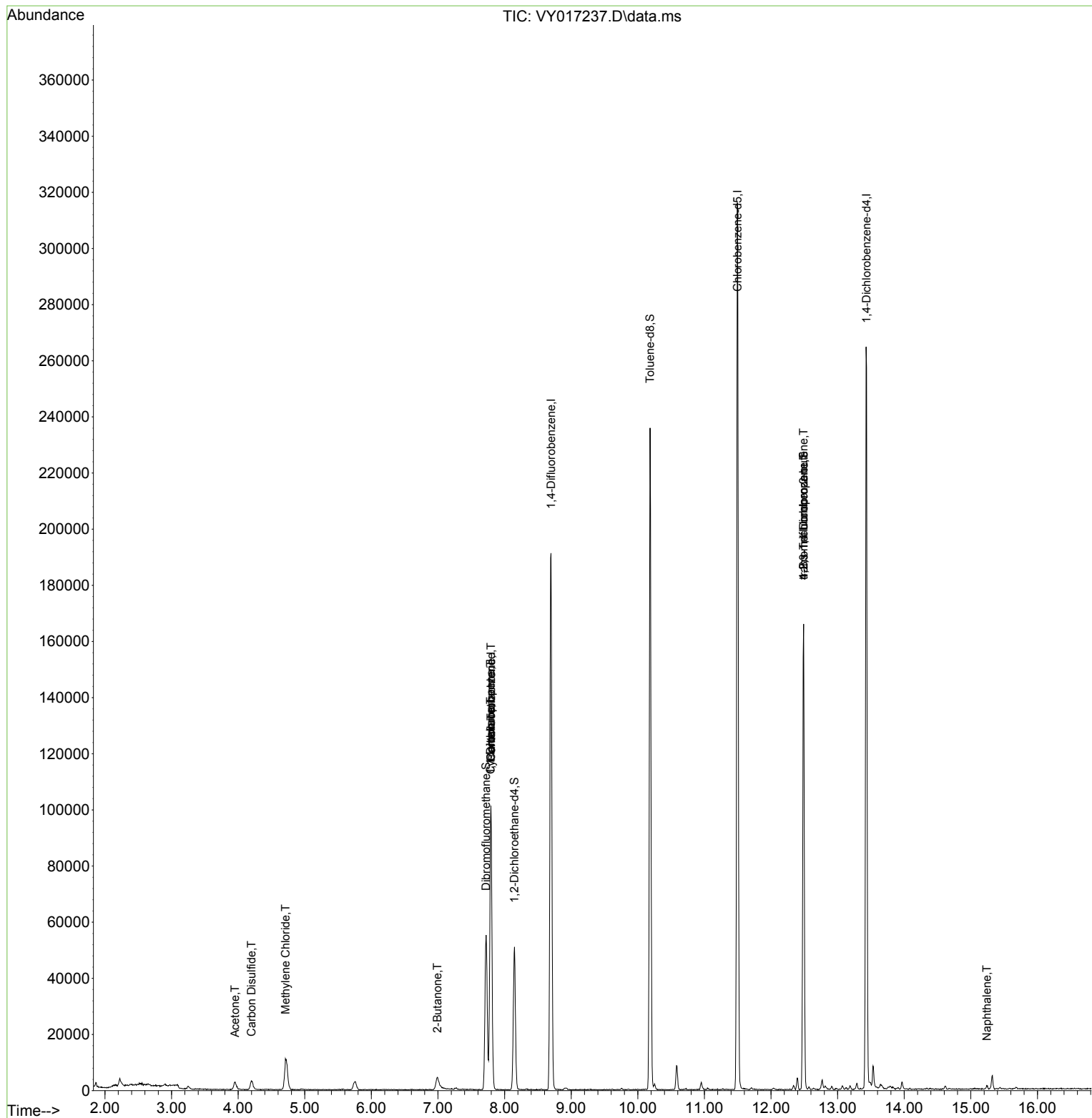
Internal Standards						
1) Pentafluorobenzene	7.795	168	77351	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	168794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	172271	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	67008	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	37717	54.583	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.160%	
35) Dibromofluoromethane	7.722	113	40799	44.766	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 89.540%	
50) Toluene-d8	10.185	98	150199	45.264	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 90.520%	
62) 4-Bromofluorobenzene	12.489	95	50614	46.563	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.120%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.979	59	166	Below Cal	#	75
16) Acetone	3.954	43	4898	24.117	ug/l	97
17) Carbon Disulfide	4.198	76	4058	1.695	ug/l #	93
20) Methylene Chloride	4.710	84	8131	6.744	ug/l	97
25) 2-Butanone	6.990	43	1311	4.856	ug/l	94
31) Cyclohexane	7.789	56	1803	1.295	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	6467	4.114	ug/l #	50
38) Carbon Tetrachloride	7.795	117	8015	5.325	ug/l #	18
76) 1,2,3-Trichloropropane	12.489	75	27234	44.034	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	27234	91.497	ug/l #	12
95) Naphthalene	15.239	128	1272	4.093	ug/l #	93

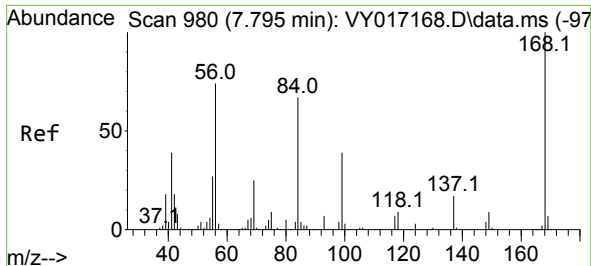
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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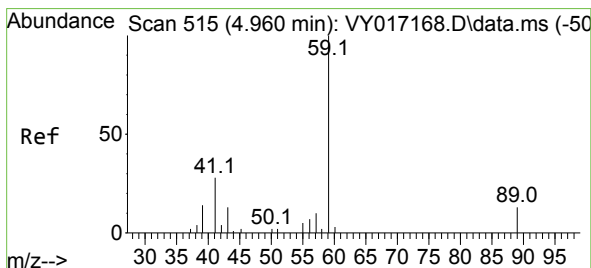
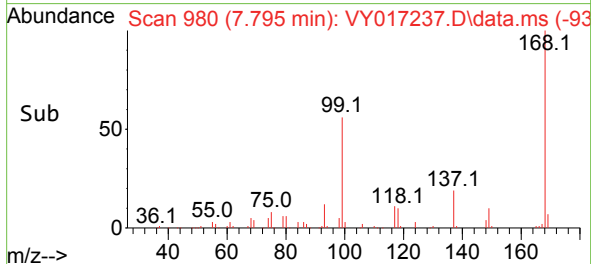
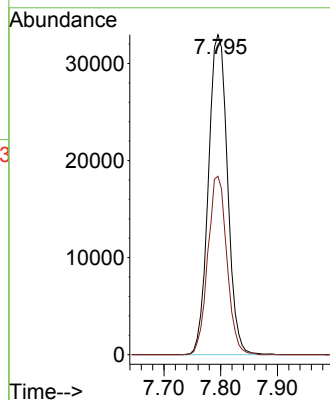
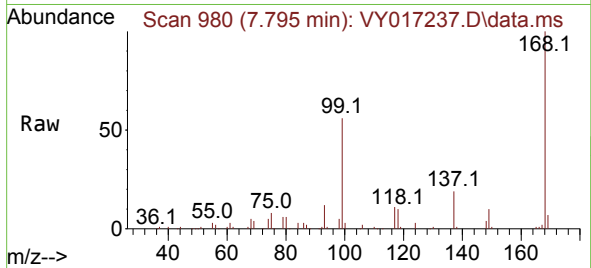




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017237.D
Acq: 05 Feb 2024 18:24

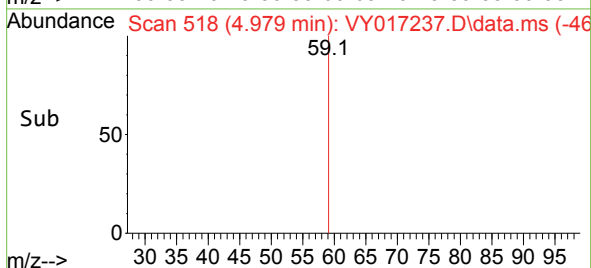
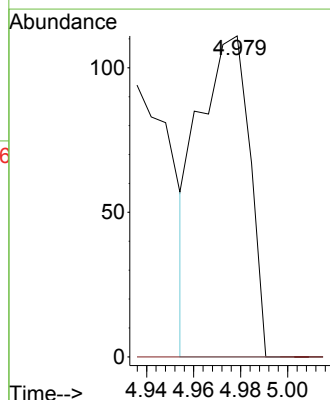
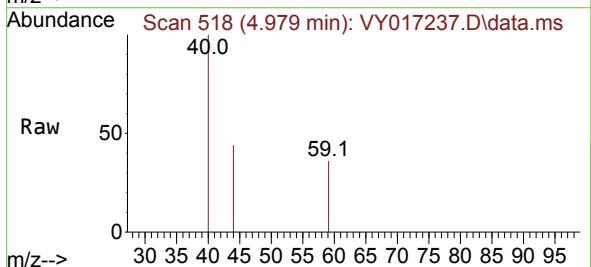
Instrument :
MSVOA_Y
ClientSampleId :
EB-3-2-4

Tgt Ion:168 Resp: 77351
Ion Ratio Lower Upper
168 100
99 55.8 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.979 min Scan# 518
Delta R.T. 0.019 min
Lab File: VY017237.D
Acq: 05 Feb 2024 18:24

Tgt Ion: 59 Resp: 166
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

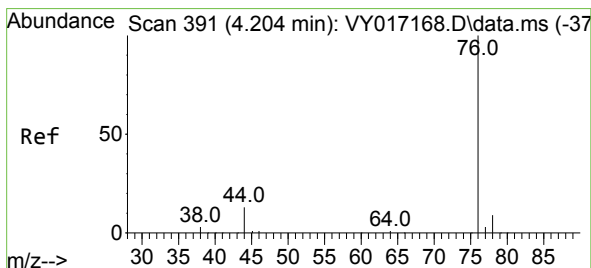
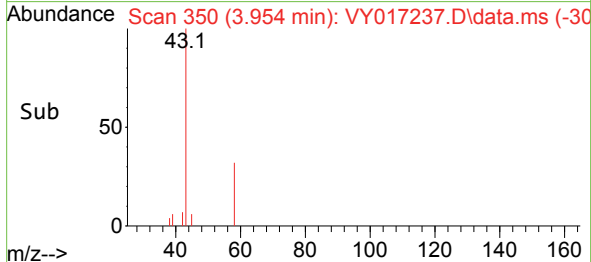
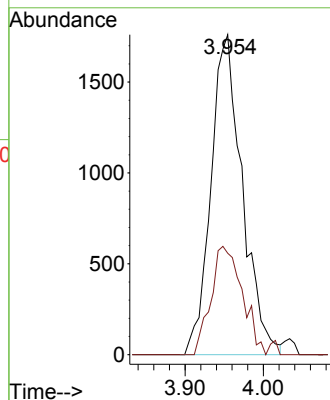
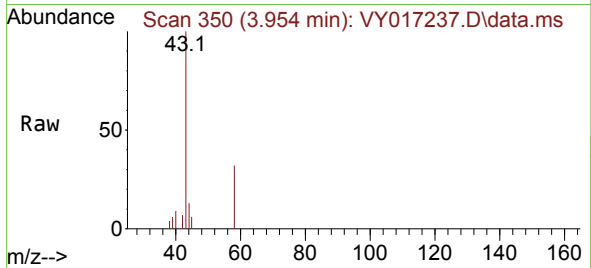




#16
Acetone
Concen: 24.117 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.007 min
Lab File: VY017237.D
Acq: 05 Feb 2024 18:24

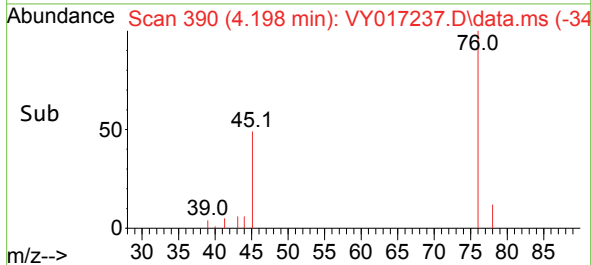
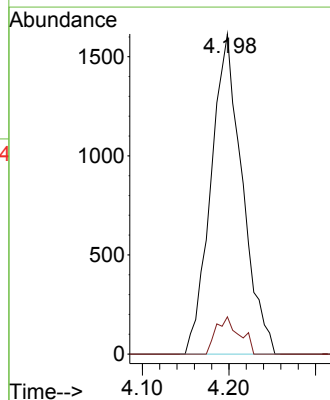
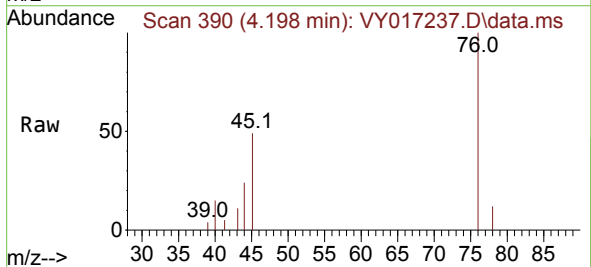
Instrument :
MSVOA_Y
ClientSampleId :
EB-3-2-4

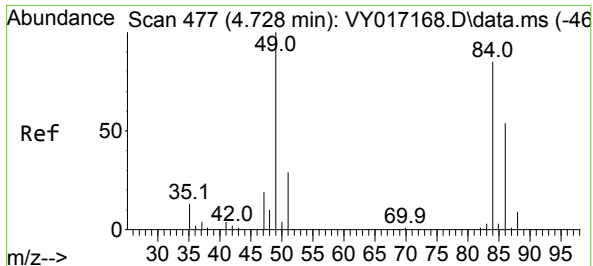
Tgt Ion: 43 Resp: 4898
Ion Ratio Lower Upper
43 100
58 31.7 26.6 39.8



#17
Carbon Disulfide
Concen: 1.695 ug/l
RT: 4.198 min Scan# 390
Delta R.T. -0.006 min
Lab File: VY017237.D
Acq: 05 Feb 2024 18:24

Tgt Ion: 76 Resp: 4058
Ion Ratio Lower Upper
76 100
78 11.6 7.4 11.0#





#20

Methylene Chloride

Concen: 6.744 ug/l

RT: 4.710 min Scan# 41

Delta R.T. -0.018 min

Lab File: VY017237.D

Acq: 05 Feb 2024 18:24

Instrument :

MSVOA_Y

ClientSampleId :

EB-3-2-4

Tgt Ion: 84 Resp: 8131

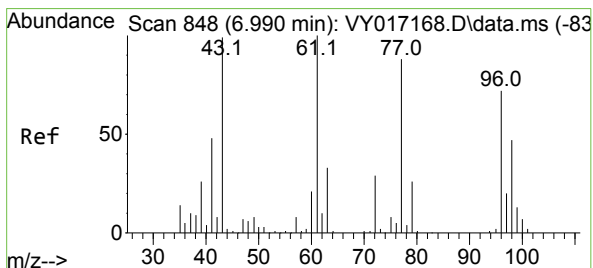
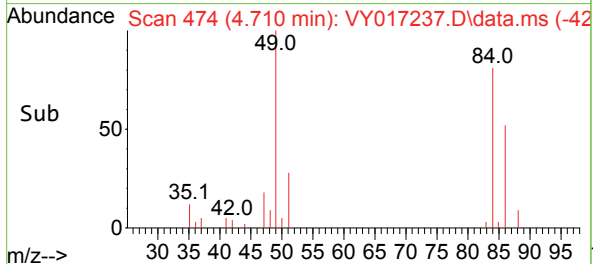
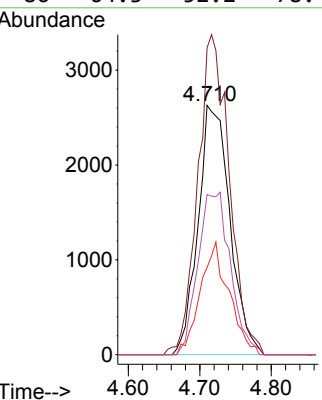
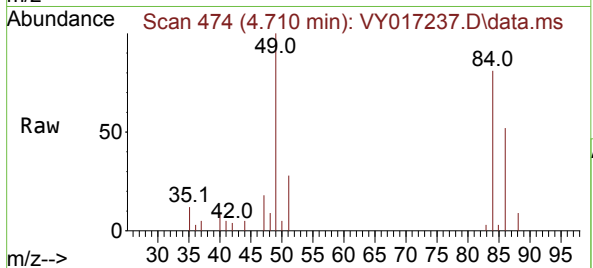
Ion Ratio Lower Upper

84 100

49 123.1 95.2 142.8

51 35.1 29.9 44.9

86 64.3 52.2 78.4



#25

2-Butanone

Concen: 4.856 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY017237.D

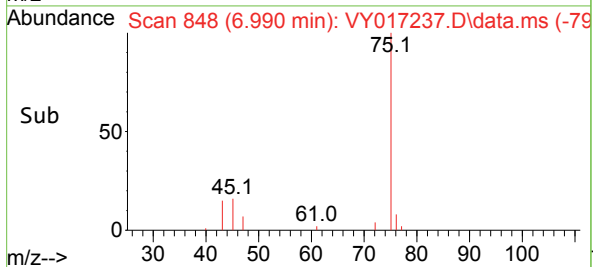
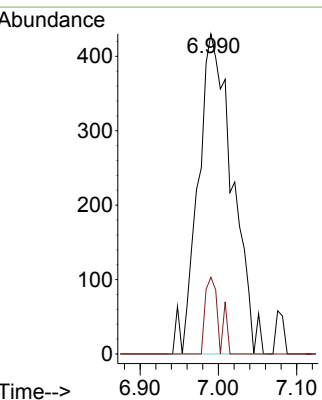
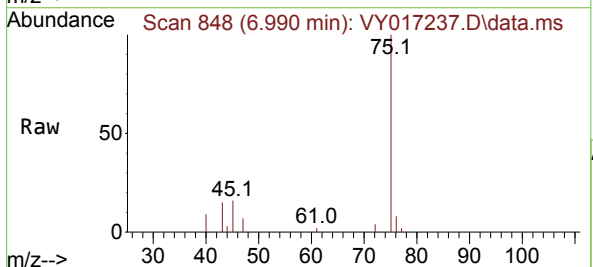
Acq: 05 Feb 2024 18:24

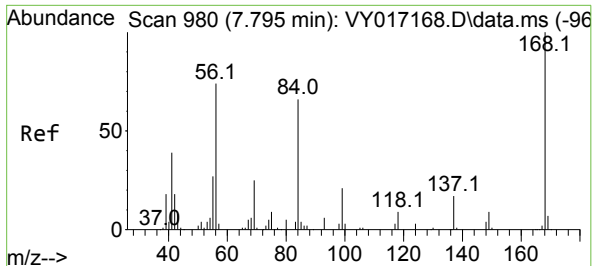
Tgt Ion: 43 Resp: 1311

Ion Ratio Lower Upper

43 100

72 24.0 21.4 32.2

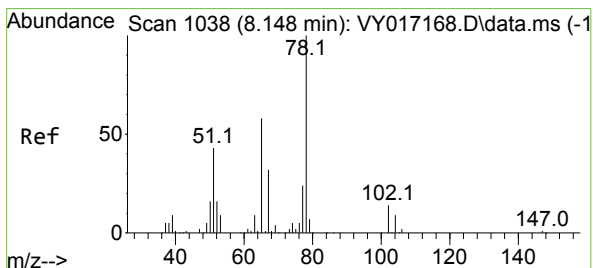
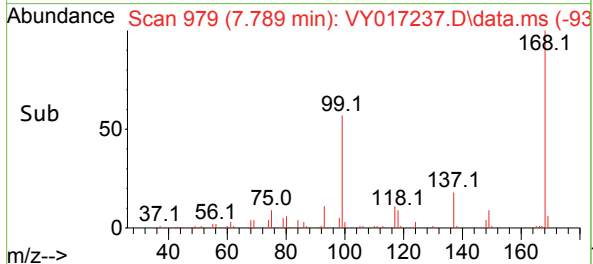
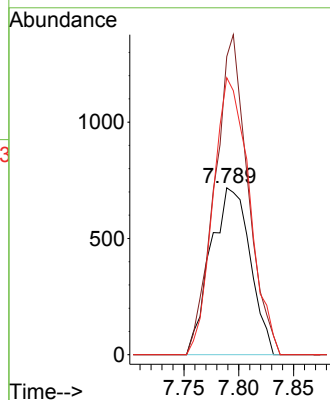
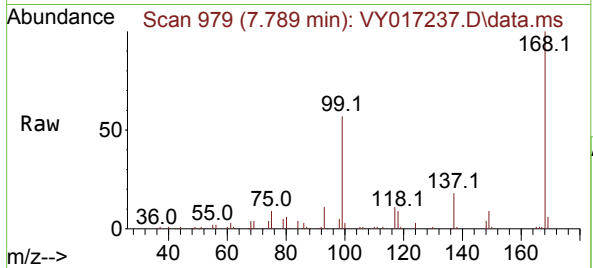




#31
Cyclohexane
Concen: 1.295 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017237.D
Acq: 05 Feb 2024 18:24

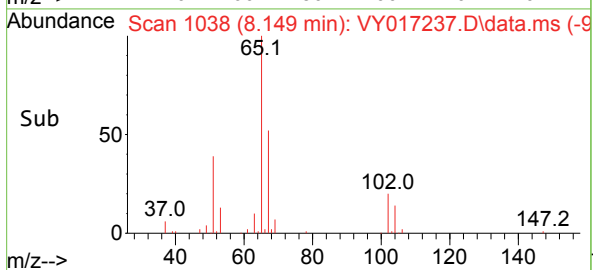
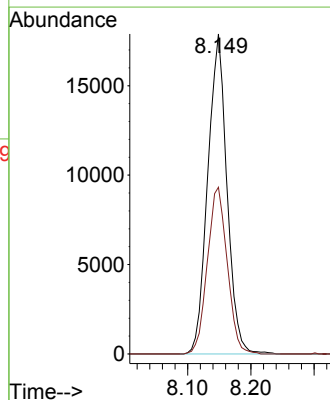
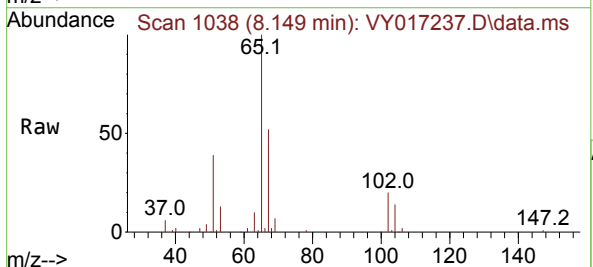
Instrument :
MSVOA_Y
ClientSampleId :
EB-3-2-4

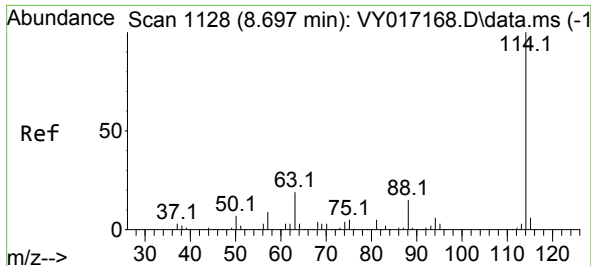
Tgt Ion: 56 Resp: 1803
Ion Ratio Lower Upper
56 100
69 178.6 27.0 40.6#
84 165.9 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 54.583 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY017237.D
Acq: 05 Feb 2024 18:24

Tgt Ion: 65 Resp: 37717
Ion Ratio Lower Upper
65 100
67 53.9 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: VY017237.D

Acq: 05 Feb 2024 18:24

Instrument :

MSVOA_Y

ClientSampleId :

EB-3-2-4

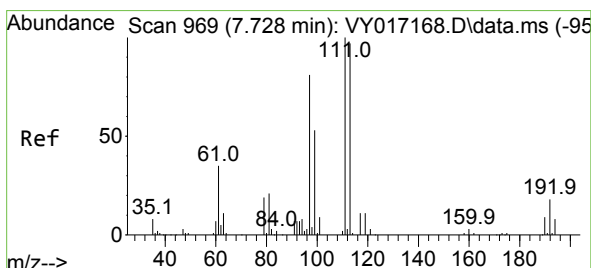
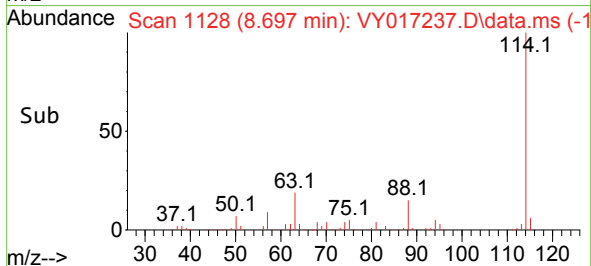
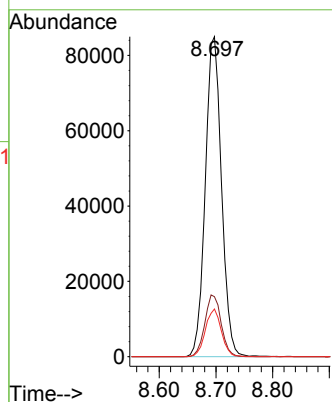
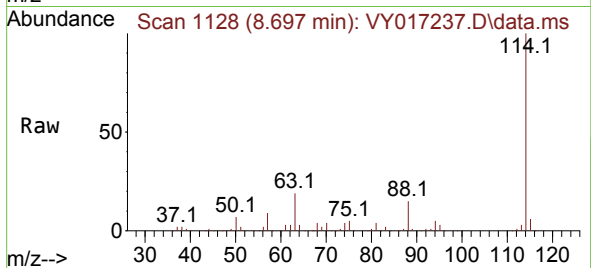
Tgt Ion:114 Resp: 168794

Ion Ratio Lower Upper

114 100

63 18.8 0.0 37.4

88 14.9 0.0 29.0



#35

Dibromofluoromethane

Concen: 44.766 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.006 min

Lab File: VY017237.D

Acq: 05 Feb 2024 18:24

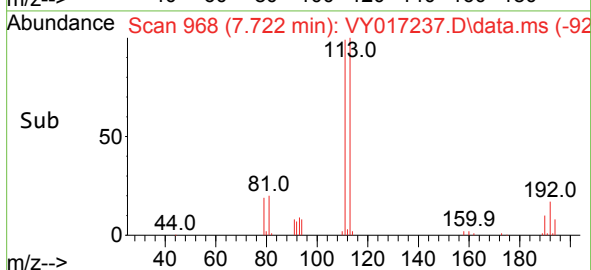
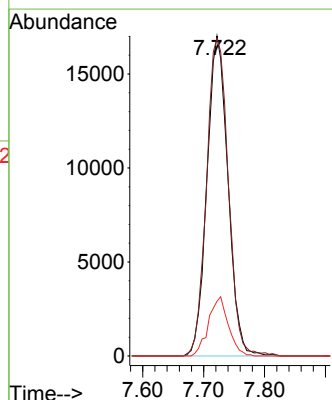
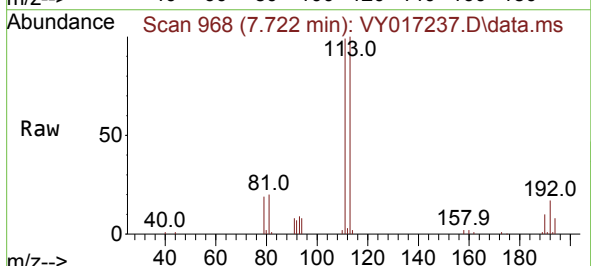
Tgt Ion:113 Resp: 40799

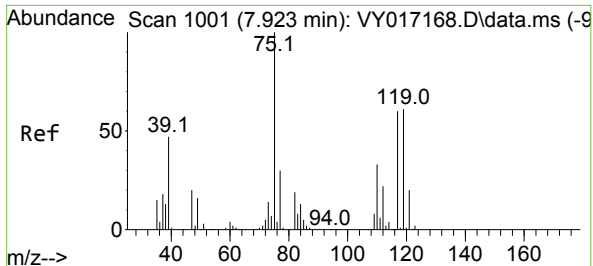
Ion Ratio Lower Upper

113 100

111 103.1 83.8 125.6

192 17.5 14.5 21.7

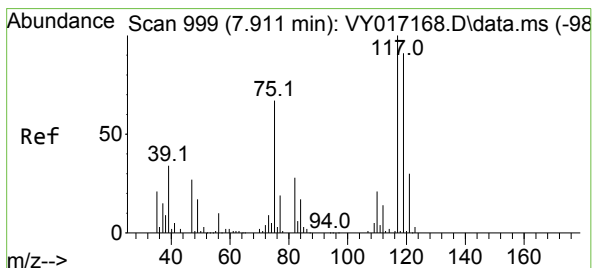
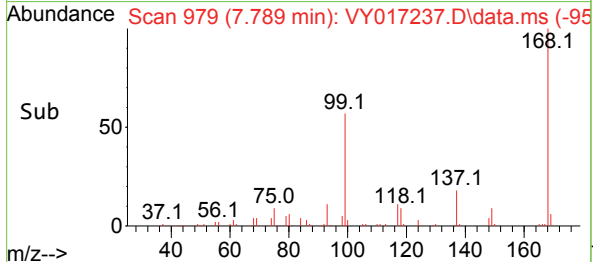
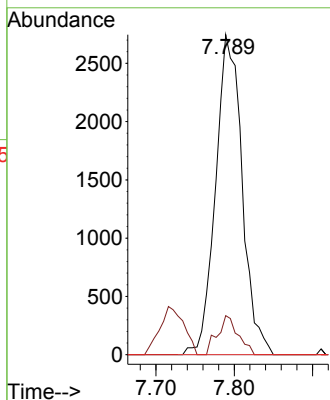
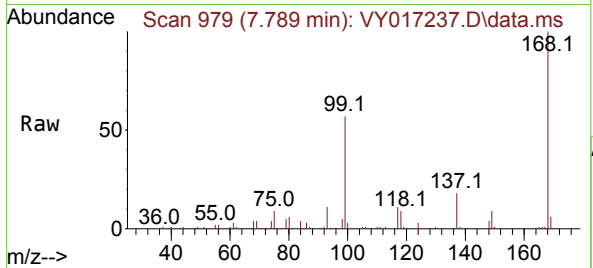




#36
 1,1-Dichloropropene
 Concen: 4.114 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY017237.D
 Acq: 05 Feb 2024 18:24

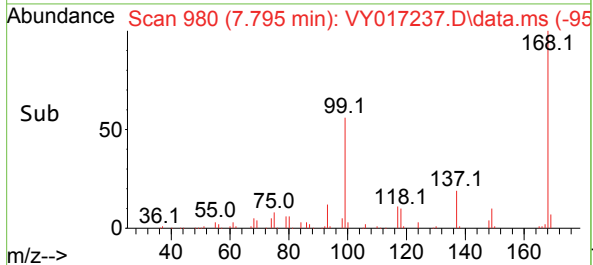
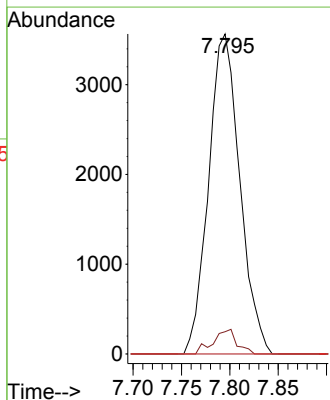
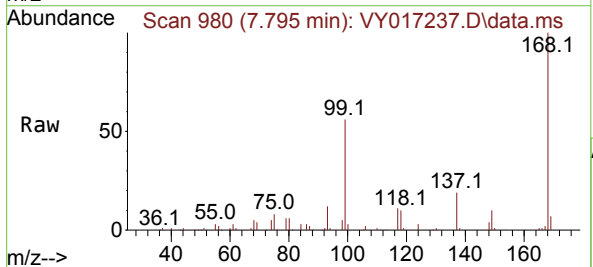
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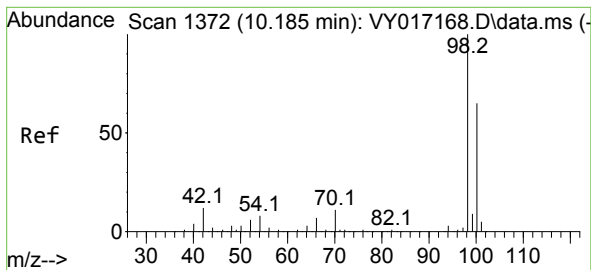
Tgt Ion: 75 Resp: 6467
 Ion Ratio Lower Upper
 75 100
 110 9.4 17.4 52.3#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.325 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.115 min
 Lab File: VY017237.D
 Acq: 05 Feb 2024 18:24

Tgt Ion: 117 Resp: 8015
 Ion Ratio Lower Upper
 117 100
 119 7.0 76.0 114.0#
 121 0.0 24.2 36.2#

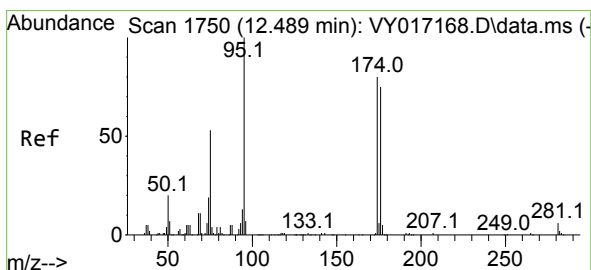
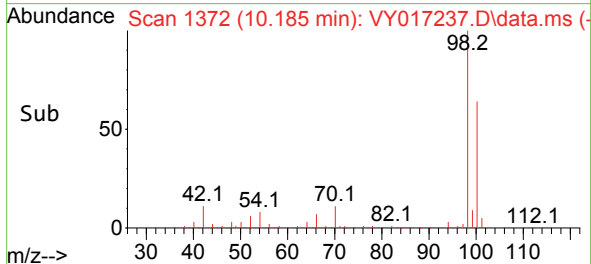
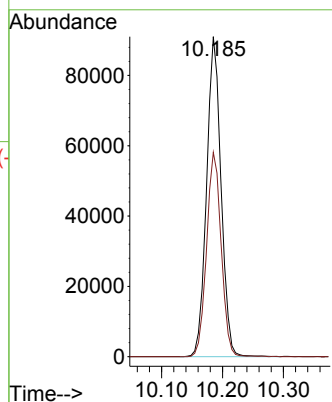
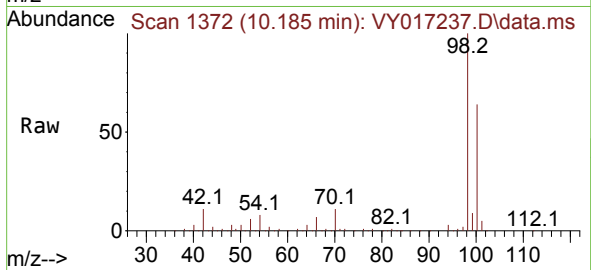




#50
Toluene-d8
Concen: 45.264 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017237.D
Acq: 05 Feb 2024 18:24

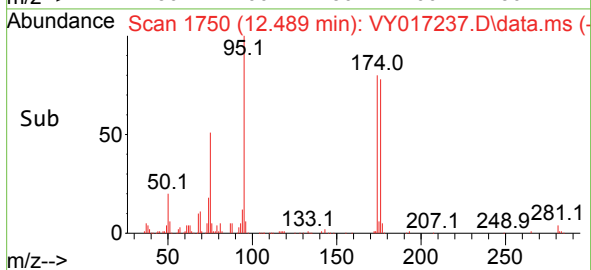
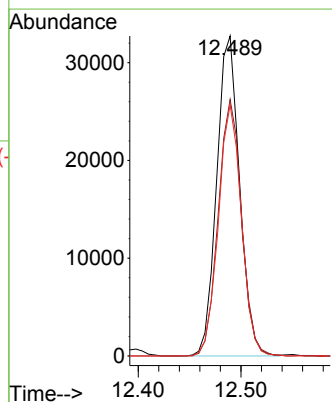
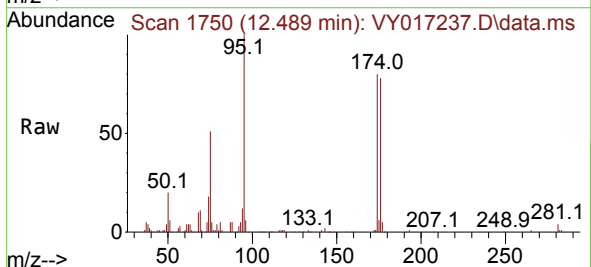
Instrument :
MSVOA_Y
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EB-3-2-4

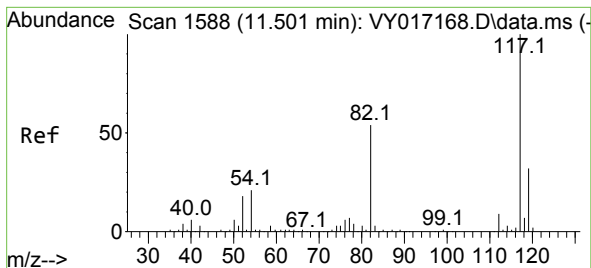
Tgt Ion: 98 Resp: 150199
Ion Ratio Lower Upper
98 100
100 64.4 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 46.563 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY017237.D
Acq: 05 Feb 2024 18:24

Tgt Ion: 95 Resp: 50614
Ion Ratio Lower Upper
95 100
174 81.4 0.0 160.0
176 78.8 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY017237.D

Acq: 05 Feb 2024 18:24

Instrument :

MSVOA_Y

ClientSampleId :

EB-3-2-4

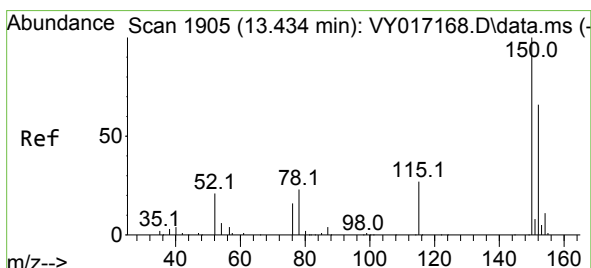
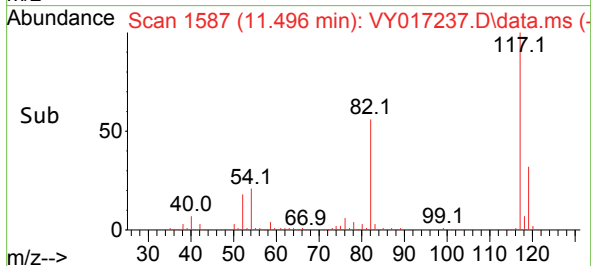
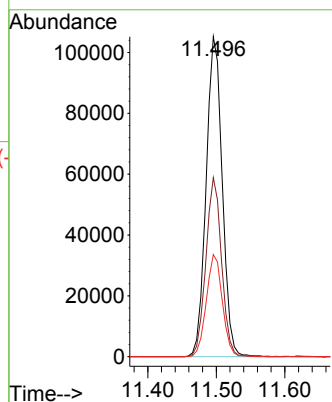
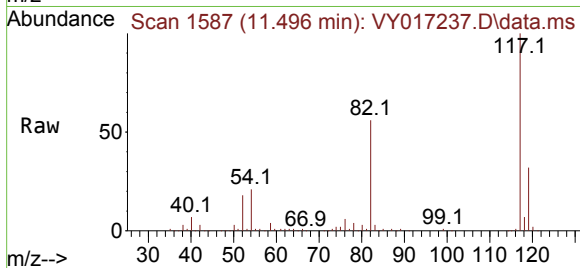
Tgt Ion:117 Resp: 172271

Ion Ratio Lower Upper

117 100

82 56.0 43.8 65.8

119 31.9 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: VY017237.D

Acq: 05 Feb 2024 18:24

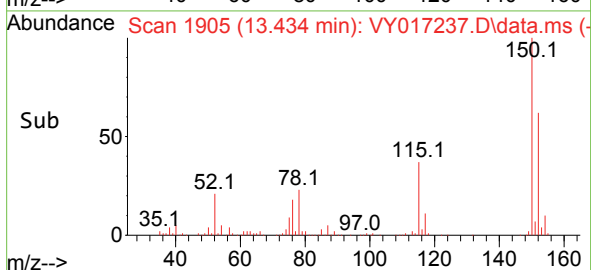
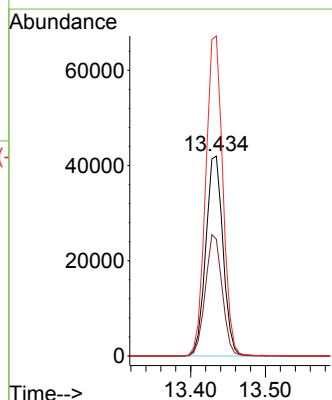
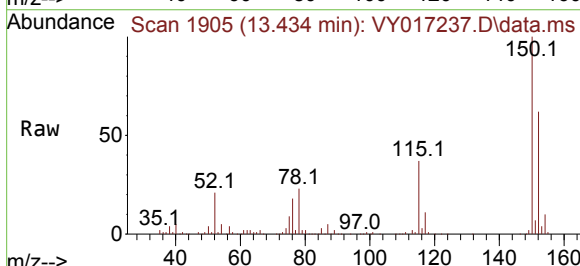
Tgt Ion:152 Resp: 67008

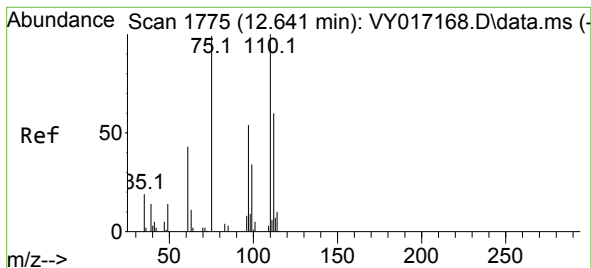
Ion Ratio Lower Upper

152 100

115 59.4 30.0 90.0

150 159.1 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 44.034 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY017237.D

Acq: 05 Feb 2024 18:24

Instrument :

MSVOA_Y

ClientSampleId :

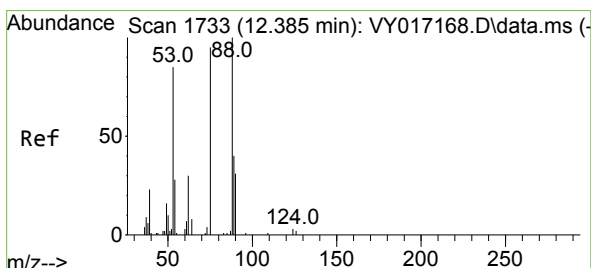
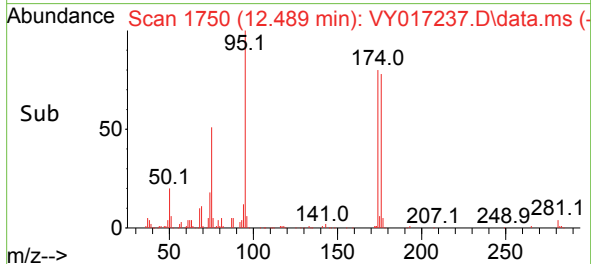
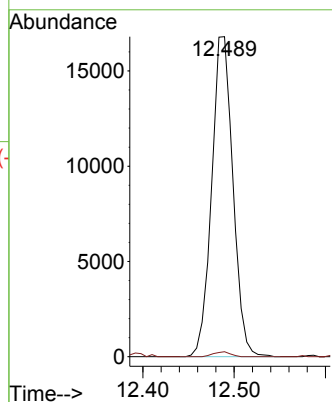
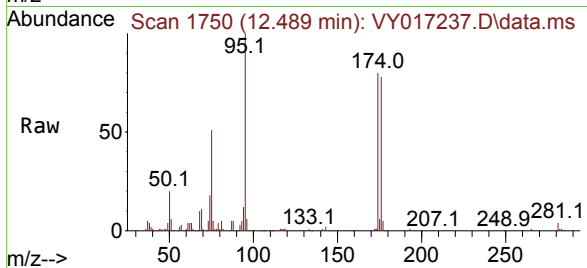
EB-3-2-4

Tgt Ion: 75 Resp: 27234

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 91.497 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.104 min

Lab File: VY017237.D

Acq: 05 Feb 2024 18:24

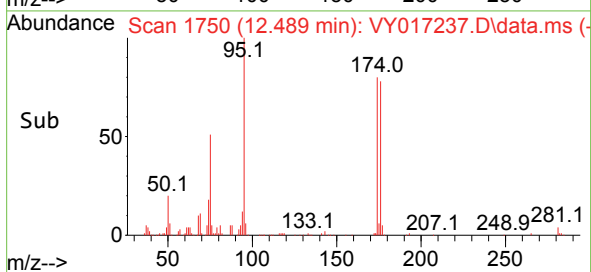
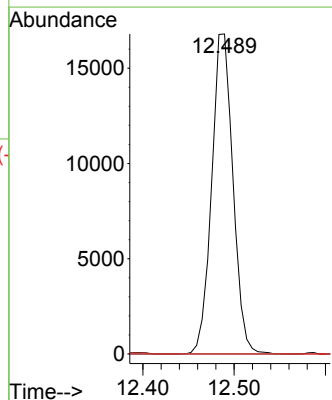
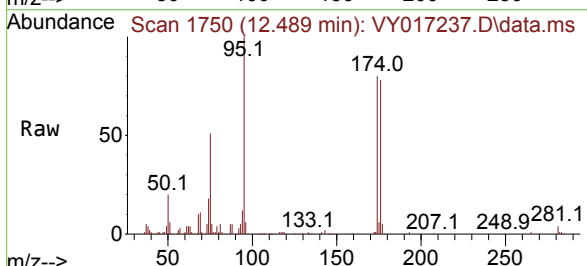
Tgt Ion: 75 Resp: 27234

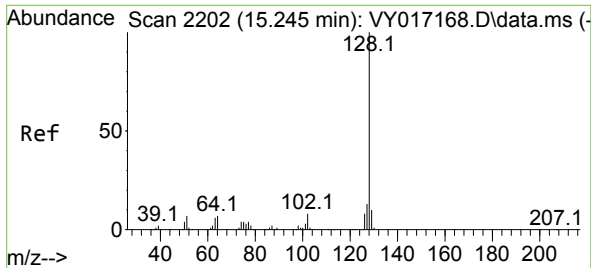
Ion Ratio Lower Upper

75 100

53 0.0 74.0 111.0#

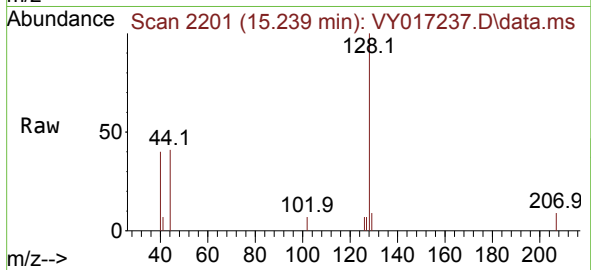
89 0.0 36.5 54.7#





#95
Naphthalene
Concen: 4.093 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY017237.D
Acq: 05 Feb 2024 18:24

Instrument :
MSVOA_Y
ClientSampleId :
EB-3-2-4



Tgt Ion:128 Resp: 1272
Ion Ratio Lower Upper
128 100
127 10.9 10.2 15.4
129 14.3 8.6 12.8#

