

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
 Data File : VY016838.D
 Acq On : 23 Dec 2023 04:44
 Operator : SY/MD
 Sample : 05957-10
 Misc : 3.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 23 05:36:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

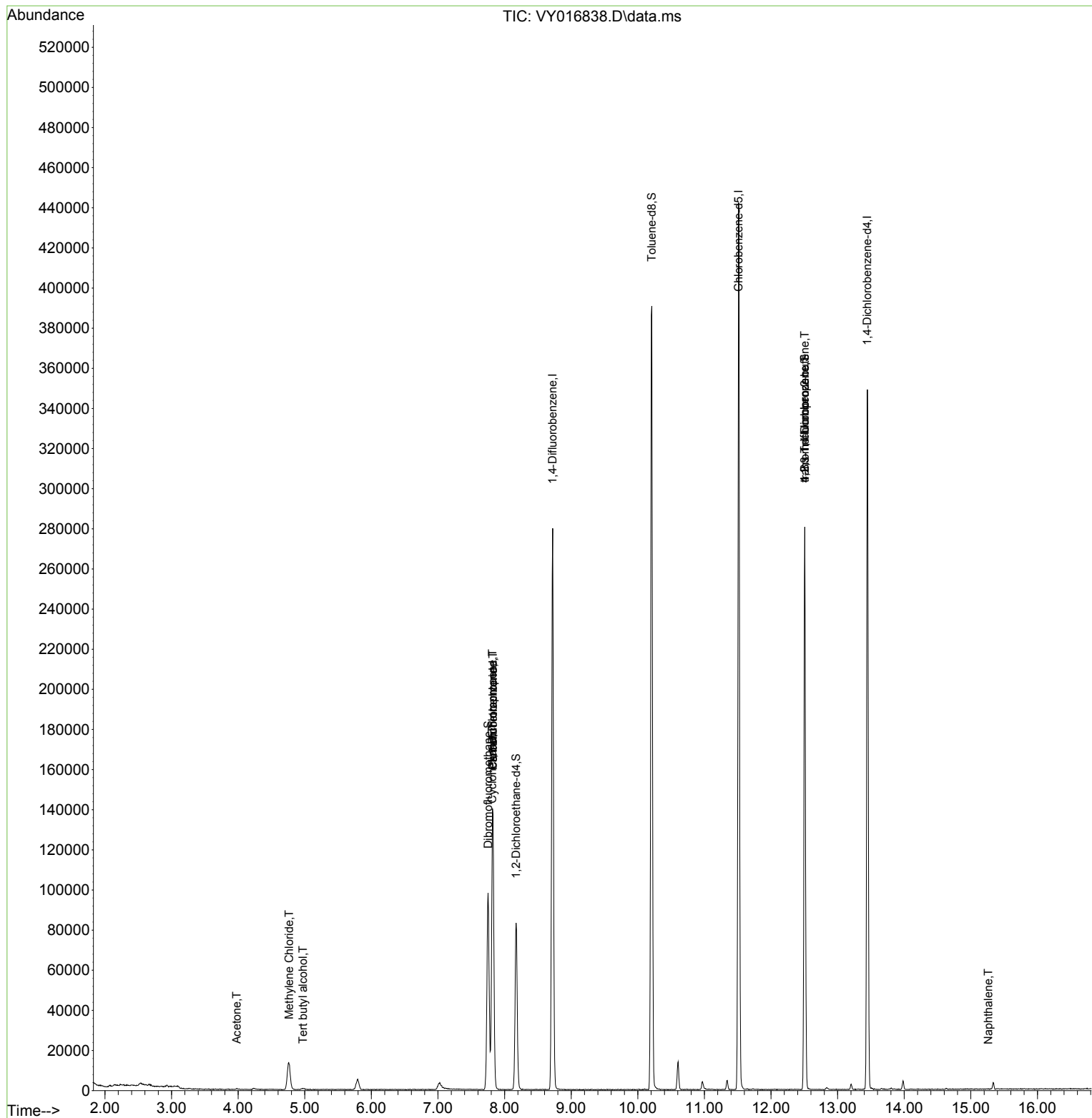
Internal Standards						
1) Pentafluorobenzene	7.826	168	104772	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.722	114	233558	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.514	117	232152	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.447	152	87698	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	64741	67.688	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 135.380%	
35) Dibromofluoromethane	7.752	113	70468	52.671	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.340%	
50) Toluene-d8	10.209	98	258735	53.647	ug/l	0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.300%	
62) 4-Bromofluorobenzene	12.508	95	82527	52.743	ug/l	0.02
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.480%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	977	12.458	ug/l #	80
16) Acetone	3.979	43	622	2.405	ug/l #	77
20) Methylene Chloride	4.765	84	10361	5.076	ug/l	99
31) Cyclohexane	7.813	56	2319	1.265	ug/l #	1
36) 1,1-Dichloropropene	7.819	75	9565	4.460	ug/l #	50
38) Carbon Tetrachloride	7.826	117	11246	5.299	ug/l #	16
76) 1,2,3-Trichloropropane	12.508	75	43860	45.242	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.508	75	43860	106.248	ug/l #	12
95) Naphthalene	15.263	128	109	3.630	ug/l #	69

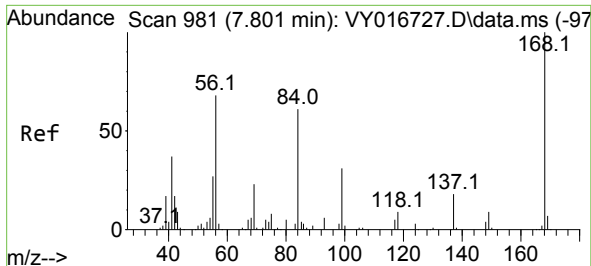
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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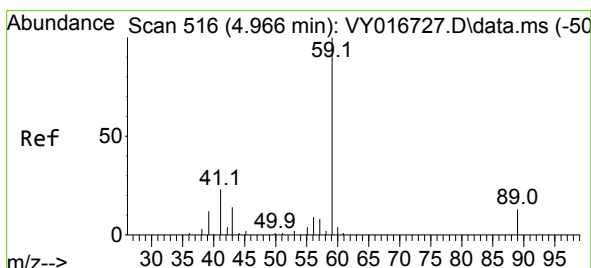
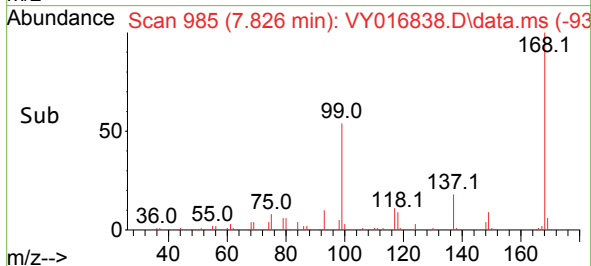
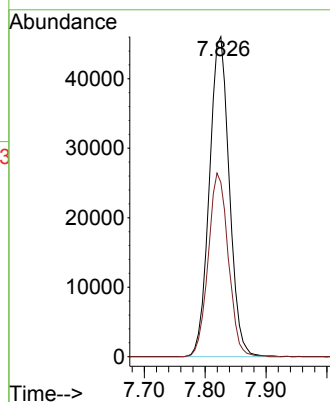
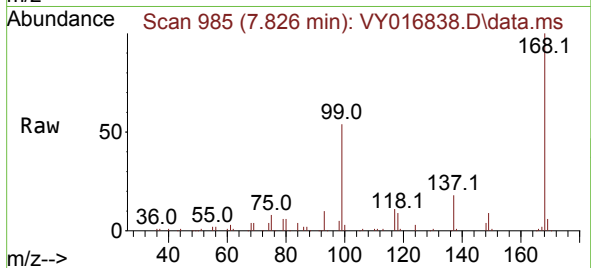




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.826 min Scan# 91
Delta R.T. 0.025 min
Lab File: VY016838.D
Acq: 23 Dec 2023 04:44

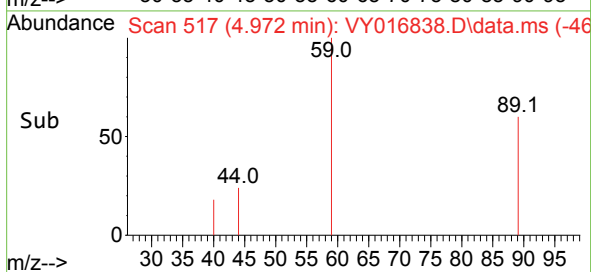
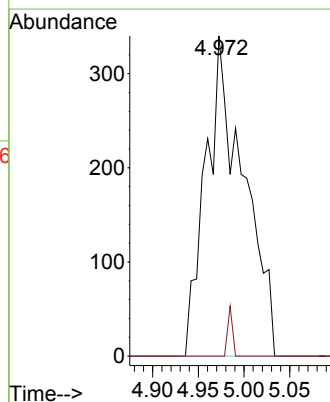
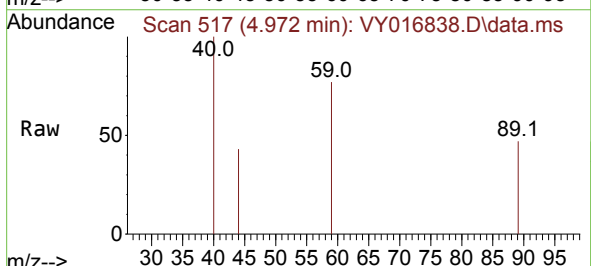
Instrument :
MSVOA_Y
ClientSampleId :

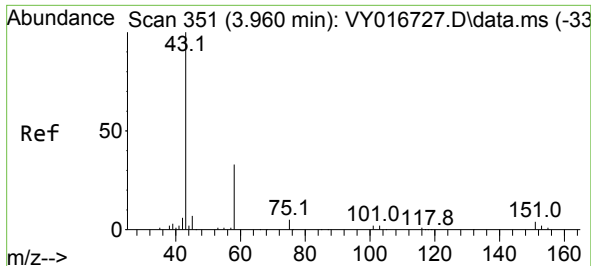
Tgt Ion:168 Resp: 104772
Ion Ratio Lower Upper
168 100
99 54.4 44.2 66.4



#11
Tert butyl alcohol
Concen: 12.458 ug/l
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY016838.D
Acq: 23 Dec 2023 04:44

Tgt Ion: 59 Resp: 977
Ion Ratio Lower Upper
59 100
57 1.9 7.4 11.0#





#16

Acetone

Concen: 2.405 ug/l

RT: 3.979 min Scan# 3

Delta R.T. 0.019 min

Lab File: VY016838.D

Acq: 23 Dec 2023 04:44

Instrument :

MSVOA_Y

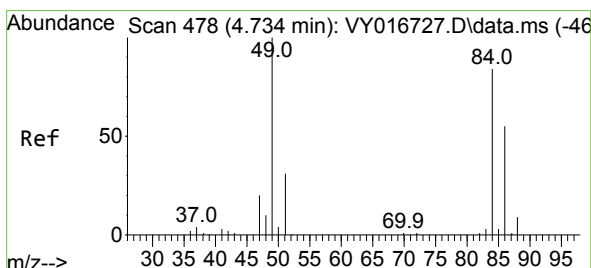
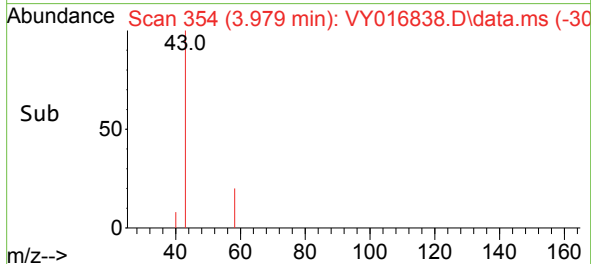
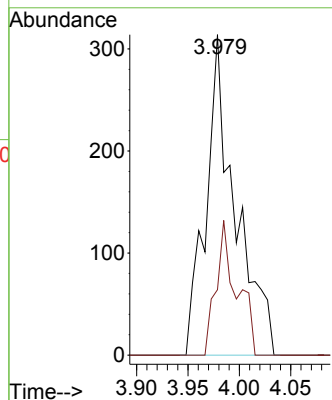
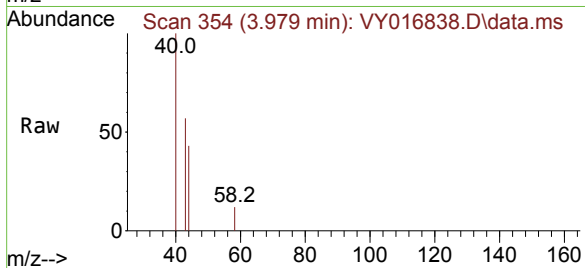
ClientSampleId :

Tgt Ion: 43 Resp: 622

Ion Ratio Lower Upper

43 100

58 20.4 26.6 39.8#



#20

Methylene Chloride

Concen: 5.076 ug/l

RT: 4.765 min Scan# 483

Delta R.T. 0.031 min

Lab File: VY016838.D

Acq: 23 Dec 2023 04:44

Tgt Ion: 84 Resp: 10361

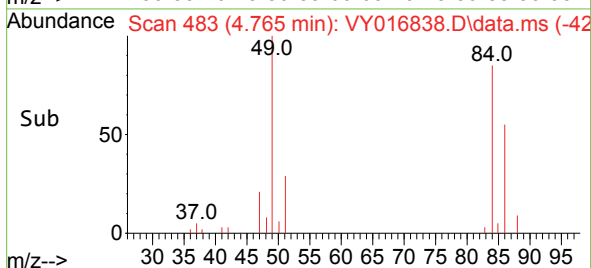
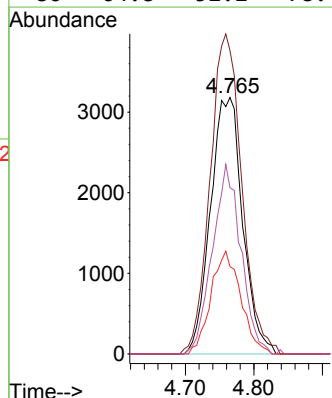
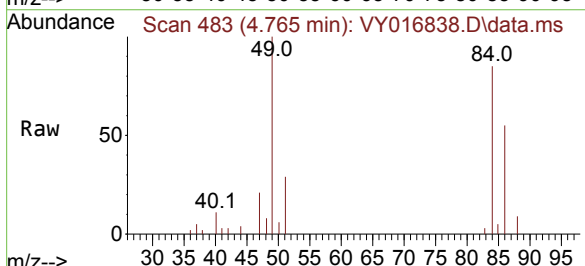
Ion Ratio Lower Upper

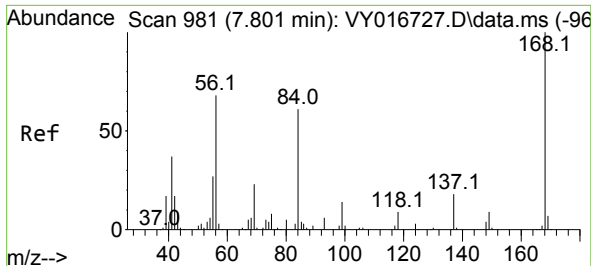
84 100

49 118.3 95.2 142.8

51 34.1 29.9 44.9

86 64.8 52.2 78.4

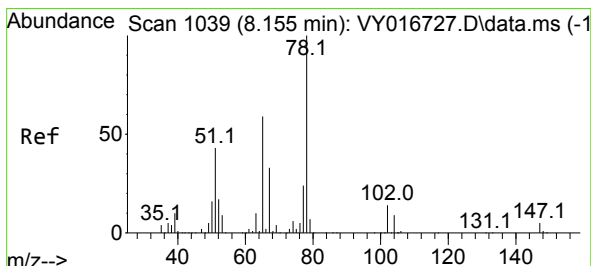
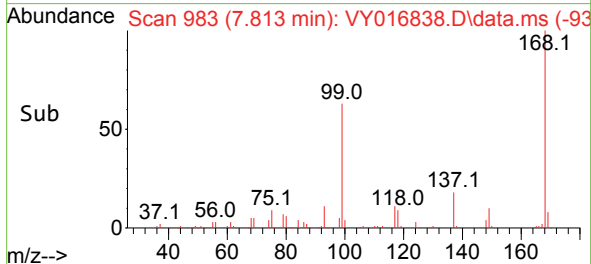
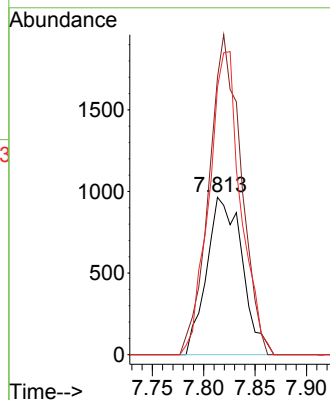
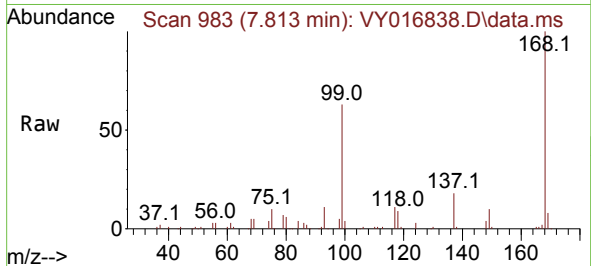




#31
Cyclohexane
Concen: 1.265 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016838.D
Acq: 23 Dec 2023 04:44

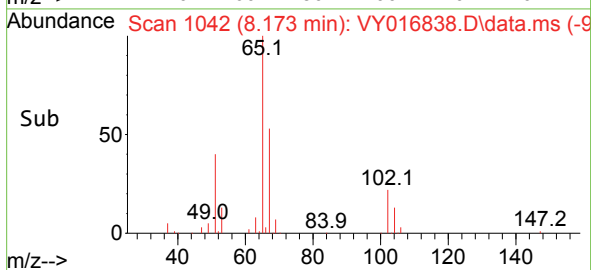
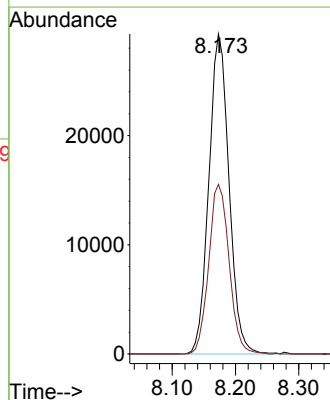
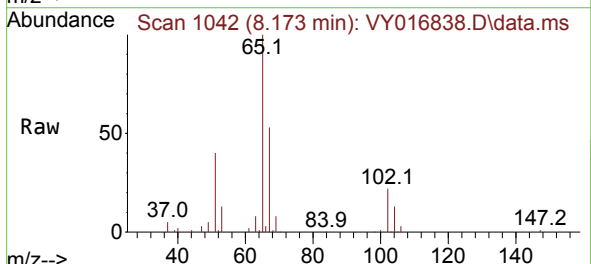
Instrument :
MSVOA_Y
ClientSampleId :

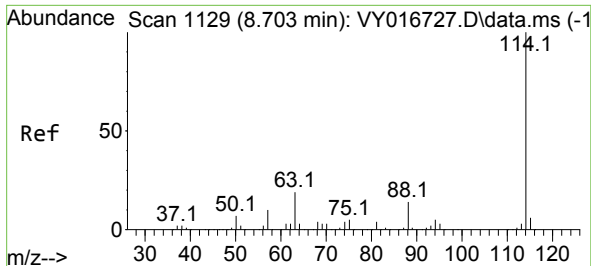
Tgt Ion: 56 Resp: 2319
Ion Ratio Lower Upper
56 100
69 176.0 27.0 40.6#
84 169.8 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 67.688 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.019 min
Lab File: VY016838.D
Acq: 23 Dec 2023 04:44

Tgt Ion: 65 Resp: 64741
Ion Ratio Lower Upper
65 100
67 53.7 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.722 min Scan# 1129

Delta R.T. 0.019 min

Lab File: VY016838.D

Acq: 23 Dec 2023 04:44

Instrument :

MSVOA_Y

ClientSampleId :

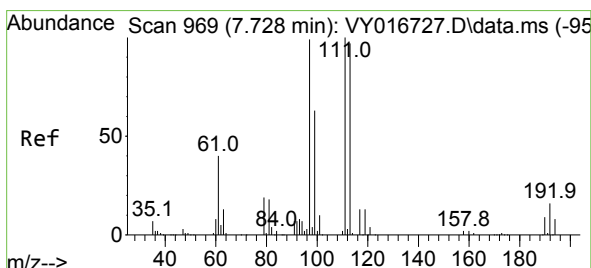
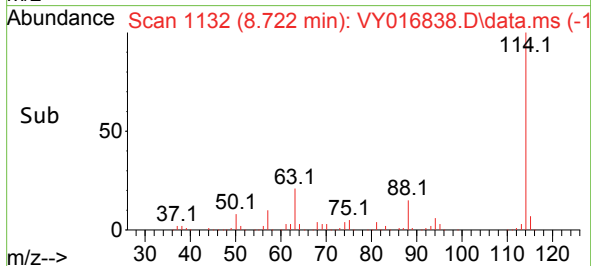
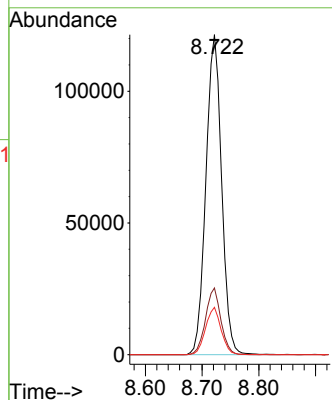
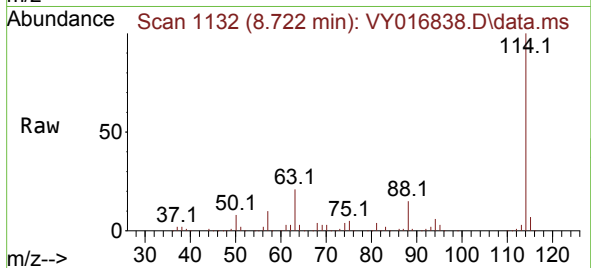
Tgt Ion:114 Resp: 233558

Ion Ratio Lower Upper

114 100

63 20.8 0.0 37.4

88 14.8 0.0 29.0



#35

Dibromofluoromethane

Concen: 52.671 ug/l

RT: 7.752 min Scan# 973

Delta R.T. 0.025 min

Lab File: VY016838.D

Acq: 23 Dec 2023 04:44

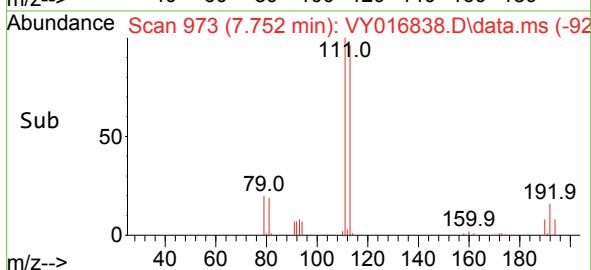
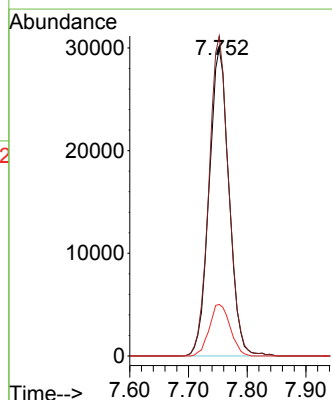
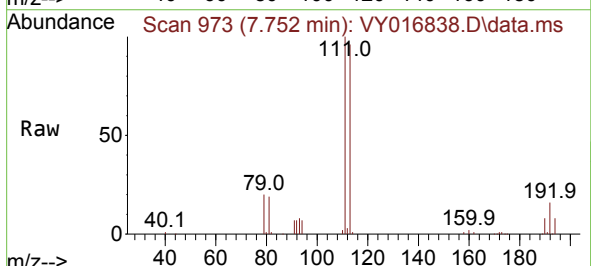
Tgt Ion:113 Resp: 70468

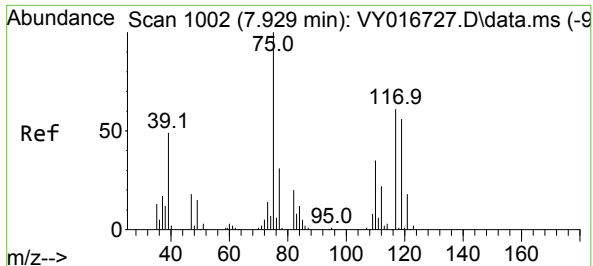
Ion Ratio Lower Upper

113 100

111 103.6 83.8 125.6

192 17.6 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.460 ug/l

RT: 7.819 min Scan# 91

Delta R.T. -0.109 min

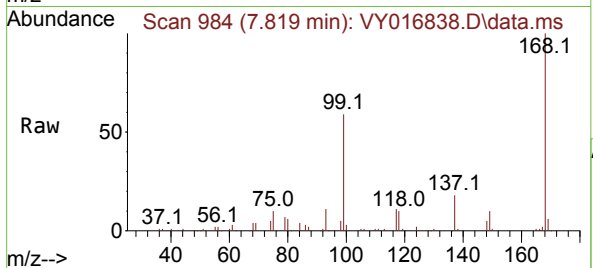
Lab File: VY016838.D

Acq: 23 Dec 2023 04:44

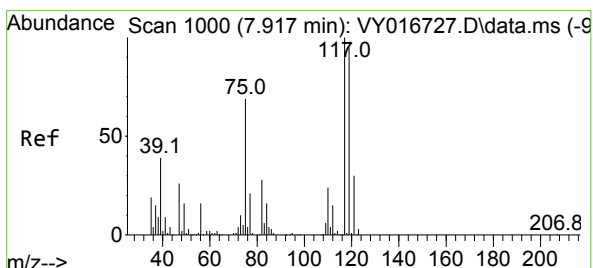
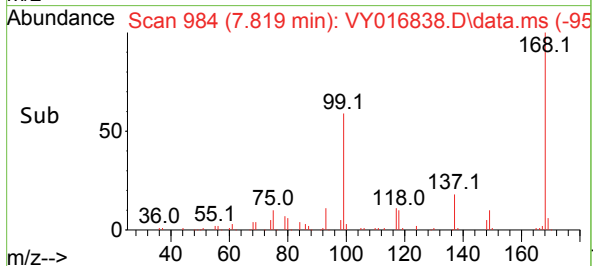
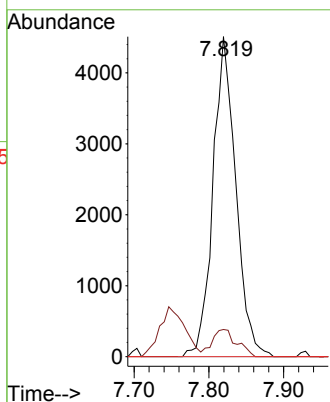
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 9565
Ion Ratio	Lower Upper
75	100
110	9.2 17.4 52.3#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.299 ug/l

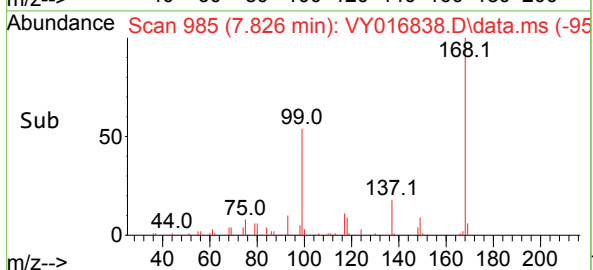
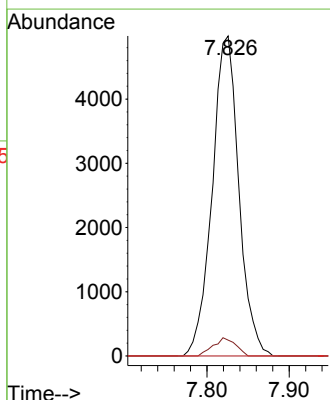
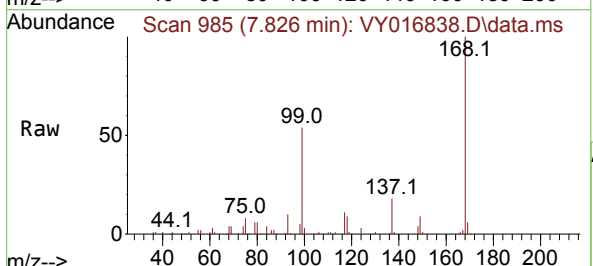
RT: 7.826 min Scan# 985

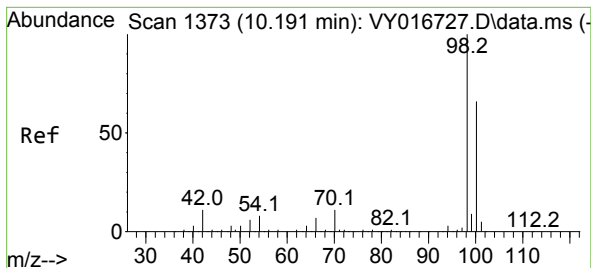
Delta R.T. -0.091 min

Lab File: VY016838.D

Acq: 23 Dec 2023 04:44

Tgt Ion: 117	Resp: 11246
Ion Ratio	Lower Upper
117	100
119	5.0 76.0 114.0#
121	0.0 24.2 36.2#





#50

Toluene-d8

Concen: 53.647 ug/l

RT: 10.209 min Scan# 11

Delta R.T. 0.019 min

Lab File: VY016838.D

Acq: 23 Dec 2023 04:44

Instrument :

MSVOA_Y

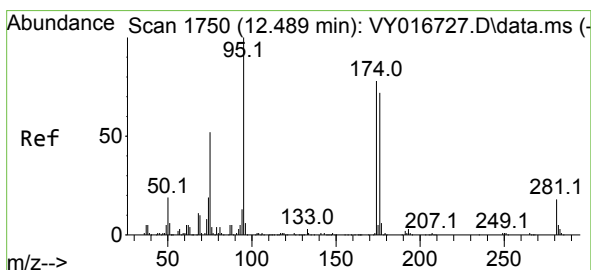
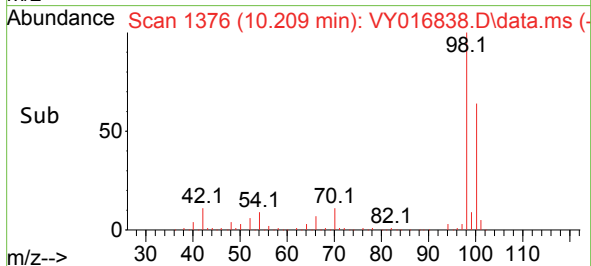
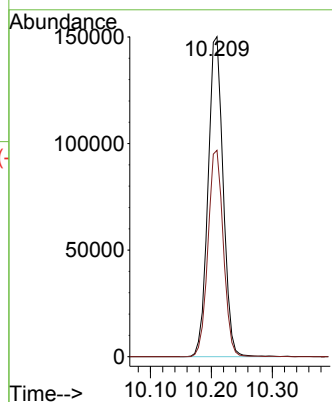
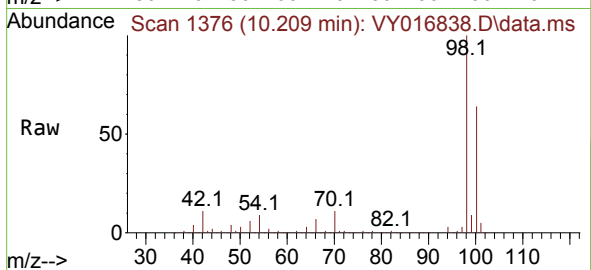
ClientSampleId :

Tgt Ion: 98 Resp: 258735

Ion Ratio Lower Upper

98 100

100 65.4 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 52.743 ug/l

RT: 12.508 min Scan# 1753

Delta R.T. 0.019 min

Lab File: VY016838.D

Acq: 23 Dec 2023 04:44

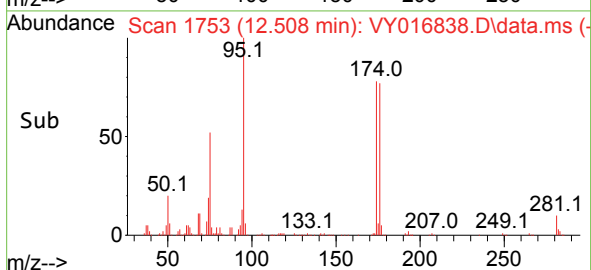
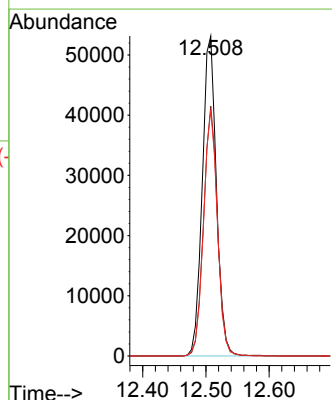
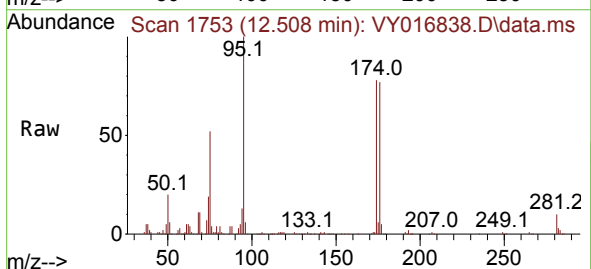
Tgt Ion: 95 Resp: 82527

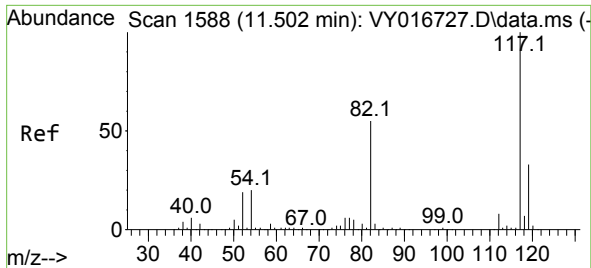
Ion Ratio Lower Upper

95 100

174 77.2 0.0 160.0

176 75.4 0.0 151.8

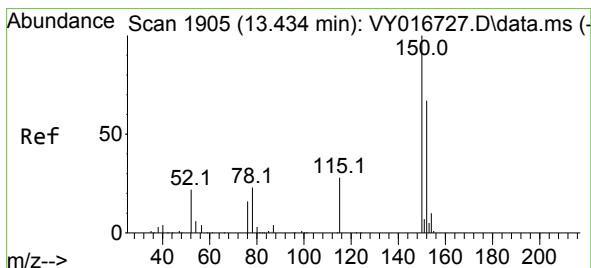
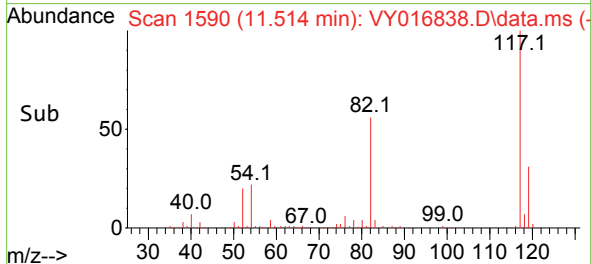
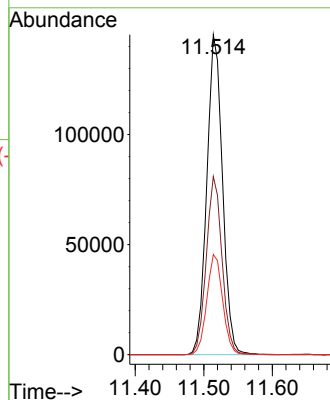
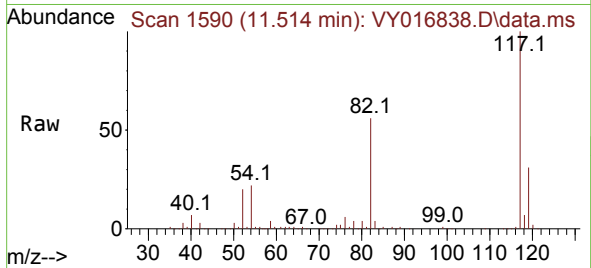




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.514 min Scan# 117
Delta R.T. 0.012 min
Lab File: VY016838.D
Acq: 23 Dec 2023 04:44

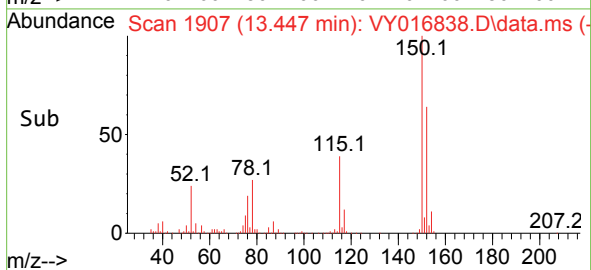
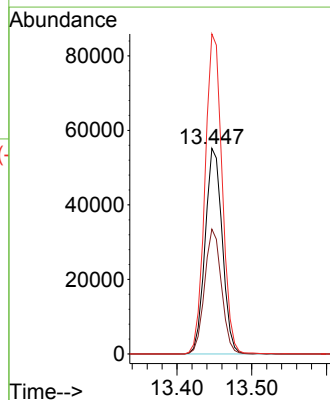
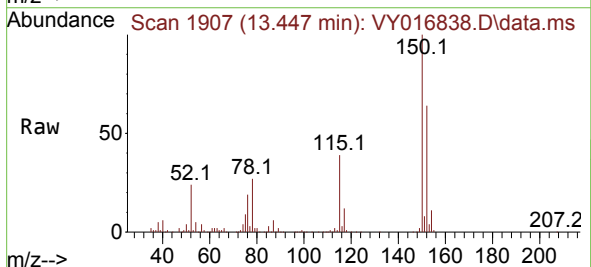
Instrument :
MSVOA_Y
ClientSampleId :

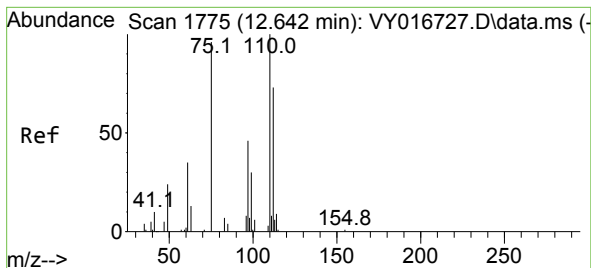
Tgt Ion:117 Resp: 232152
Ion Ratio Lower Upper
117 100
82 55.7 43.8 65.8
119 31.3 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.447 min Scan# 1907
Delta R.T. 0.012 min
Lab File: VY016838.D
Acq: 23 Dec 2023 04:44

Tgt Ion:152 Resp: 87698
Ion Ratio Lower Upper
152 100
115 59.7 30.0 90.0
150 155.5 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 45.242 ug/l

RT: 12.508 min Scan# 1753

Delta R.T. -0.134 min

Lab File: VY016838.D

Acq: 23 Dec 2023 04:44

Instrument :

MSVOA_Y

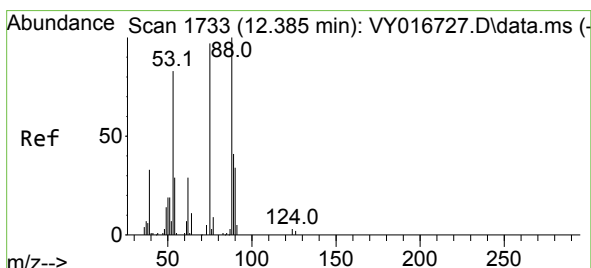
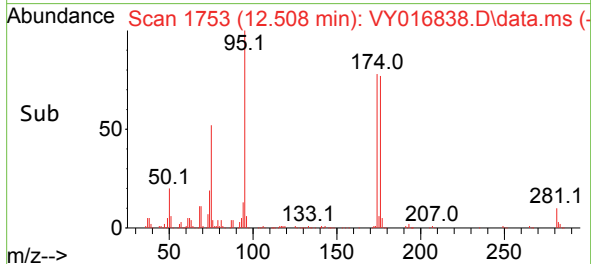
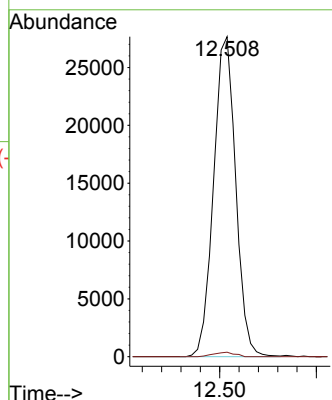
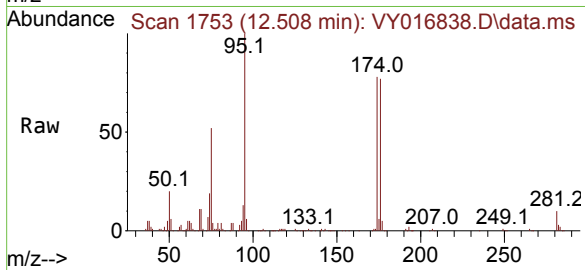
ClientSampleId :

Tgt Ion: 75 Resp: 43860

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 106.248 ug/l

RT: 12.508 min Scan# 1753

Delta R.T. 0.122 min

Lab File: VY016838.D

Acq: 23 Dec 2023 04:44

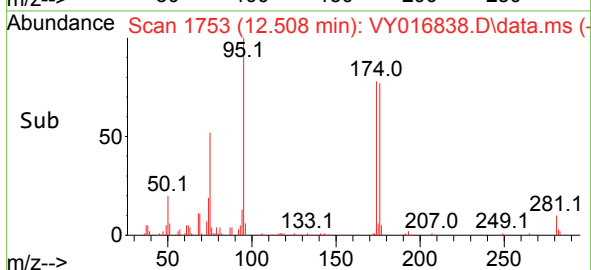
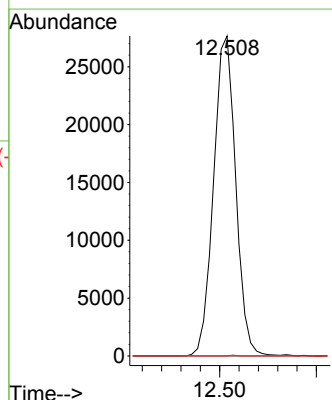
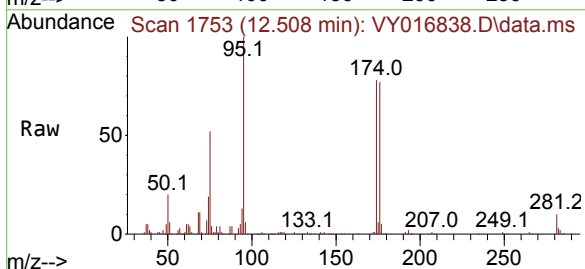
Tgt Ion: 75 Resp: 43860

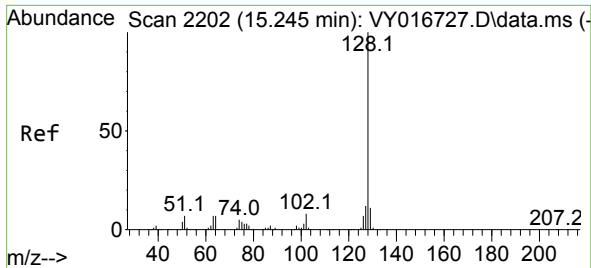
Ion Ratio Lower Upper

75 100

53 0.0 74.0 111.0#

89 0.1 36.5 54.7#





#95

Naphthalene

Concen: 3.630 ug/l

RT: 15.263 min Scan# 21

Delta R.T. 0.018 min

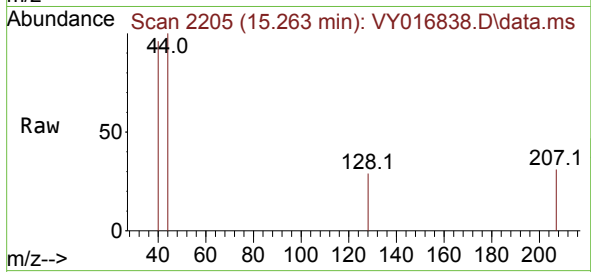
Lab File: VY016838.D

Acq: 23 Dec 2023 04:44

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 109

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.6 12.8#

