

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
 Data File : VY020700.D
 Acq On : 23 Dec 2024 18:38
 Operator : SY/MD
 Sample : P5306-11RE
 Misc : 5.95g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-VSL-12-121224

Quant Time: Dec 25 01:02:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 25 00:58:45 2024
 Response via : Initial Calibration

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

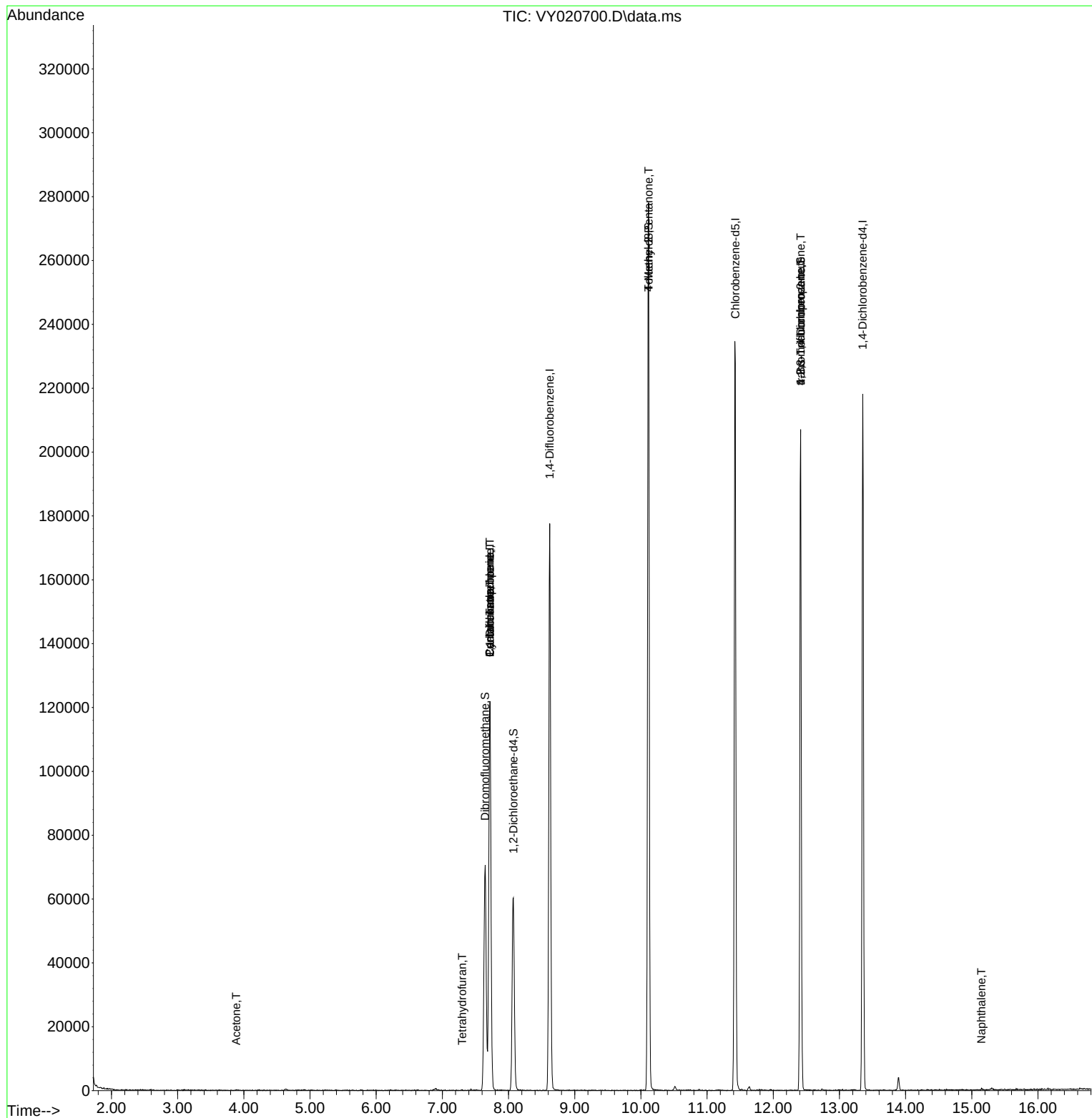
Internal Standards						
1) Pentafluorobenzene	7.719	168	94664	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	149835	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	128778	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	55306	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	55443	66.131	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 132.260%			
35) Dibromofluoromethane	7.646	113	48256	54.849	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.700%			
50) Toluene-d8	10.115	98	185787	58.140	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 116.280%			
62) 4-Bromofluorobenzene	12.414	95	58708	50.477	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 100.960%			
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	195	2.036	ug/l #	43
29) Tetrahydrofuran	7.299	42	87	1.100	ug/l #	23
31) Cyclohexane	7.719	56	1784	1.803	ug/l #	47
36) 1,1-Dichloropropene	7.719	75	6511	6.088	ug/l #	49
38) Carbon Tetrachloride	7.719	117	10094	5.833	ug/l #	16
51) 4-Methyl-2-Pentanone	10.115	43	597	1.645	ug/l #	1
76) 1,2,3-Trichloropropane	12.414	75	34228	89.740	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	34228	195.076	ug/l #	8
95) Naphthalene	15.145	128	455	3.772	ug/l #	69

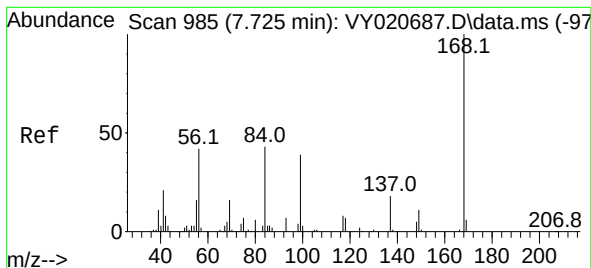
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.719 min Scan# 9

Delta R.T. -0.006 min

Lab File: VY020700.D

Acq: 23 Dec 2024 18:38

Instrument :

MSVOA_Y

ClientSampleId :

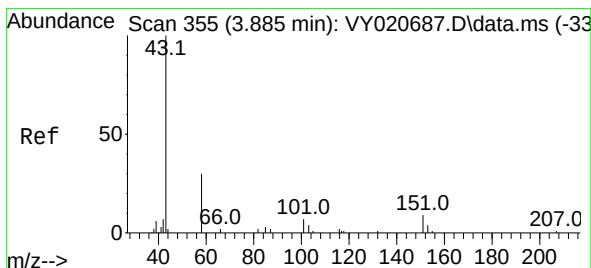
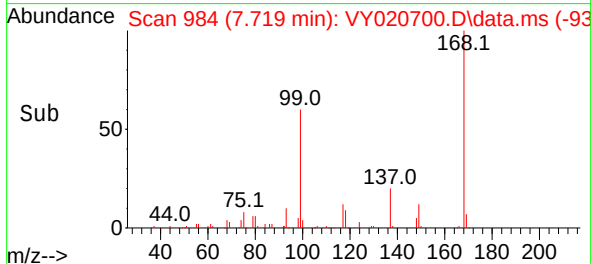
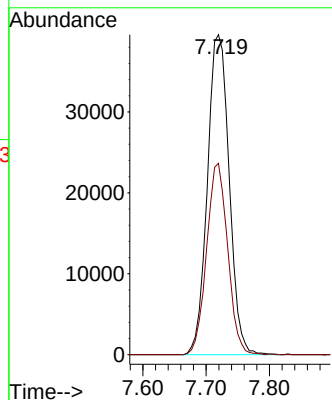
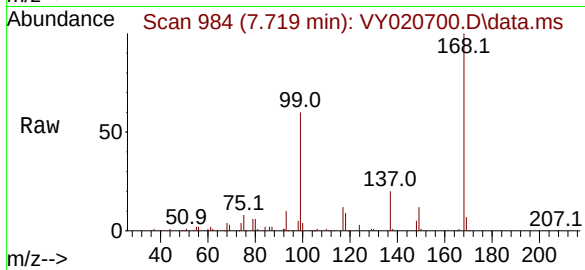
OU4-VSL-12-121224

Tgt Ion:168 Resp: 94664

Ion Ratio Lower Upper

168 100

99 59.8 43.8 65.6



#16

Acetone

Concen: 2.036 ug/l

RT: 3.885 min Scan# 355

Delta R.T. 0.000 min

Lab File: VY020700.D

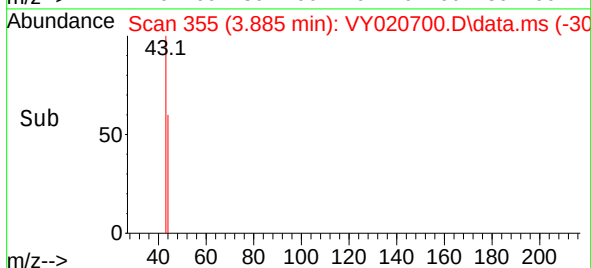
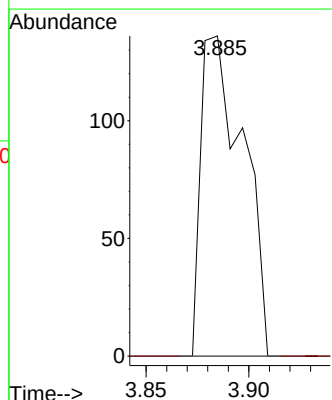
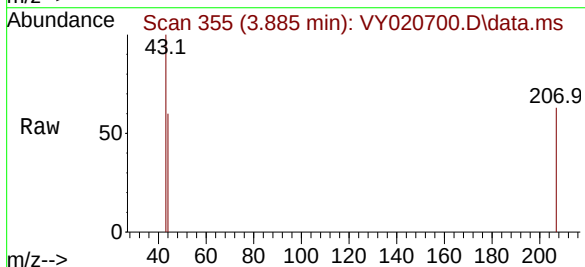
Acq: 23 Dec 2024 18:38

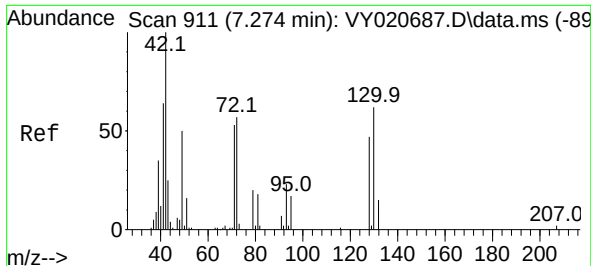
Tgt Ion: 43 Resp: 195

Ion Ratio Lower Upper

43 100

58 0.0 25.0 37.6#





#29

Tetrahydrofuran

Concen: 1.100 ug/l

RT: 7.299 min Scan# 915

Delta R.T. 0.024 min

Lab File: VY020700.D

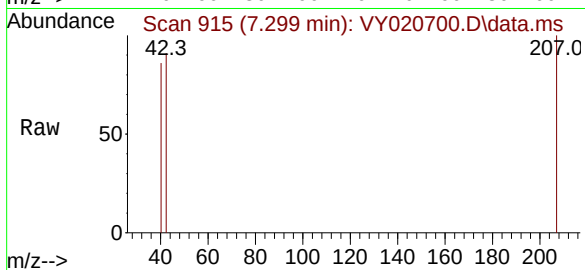
Acq: 23 Dec 2024 18:38

Instrument :

MSVOA_Y

ClientSampleId :

OU4-VSL-12-121224



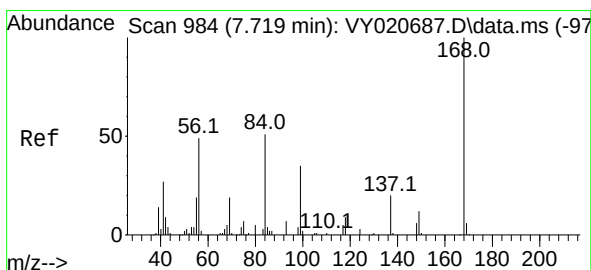
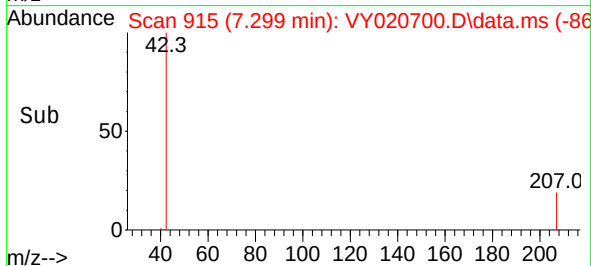
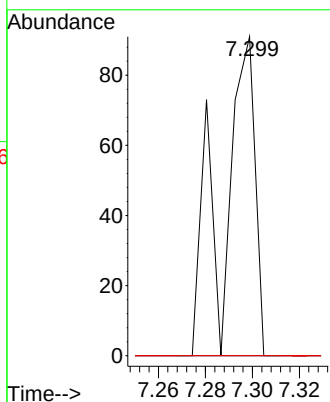
Tgt Ion: 42 Resp: 87

Ion Ratio Lower Upper

42 100

72 0.0 47.4 71.0#

71 0.0 42.8 64.2#



#31

Cyclohexane

Concen: 1.803 ug/l

RT: 7.719 min Scan# 984

Delta R.T. 0.000 min

Lab File: VY020700.D

Acq: 23 Dec 2024 18:38

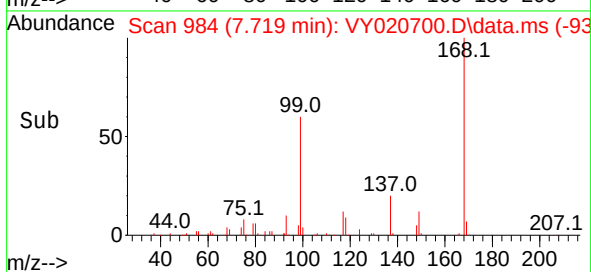
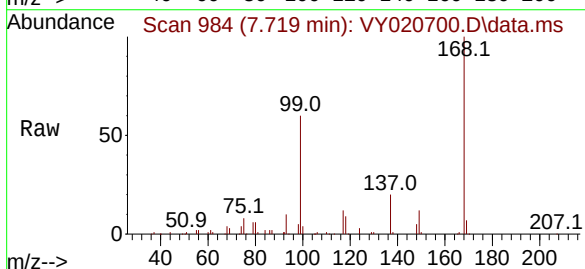
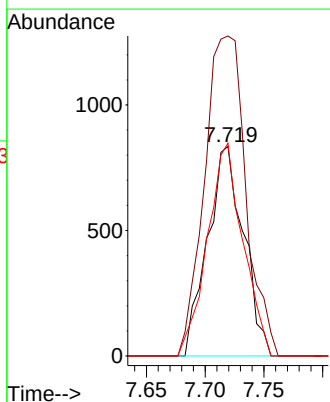
Tgt Ion: 56 Resp: 1784

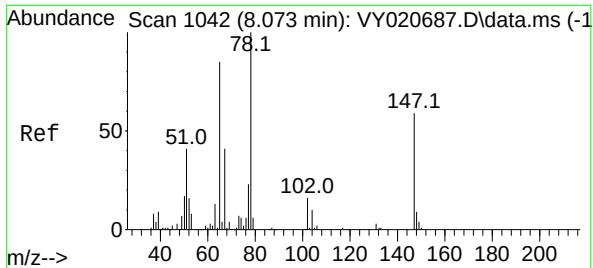
Ion Ratio Lower Upper

56 100

69 152.7 31.3 46.9#

84 101.6 83.9 125.9





#33

1,2-Dichloroethane-d4

Concen: 66.131 ug/l

RT: 8.073 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY020700.D

Acq: 23 Dec 2024 18:38

Instrument :

MSVOA_Y

ClientSampleId :

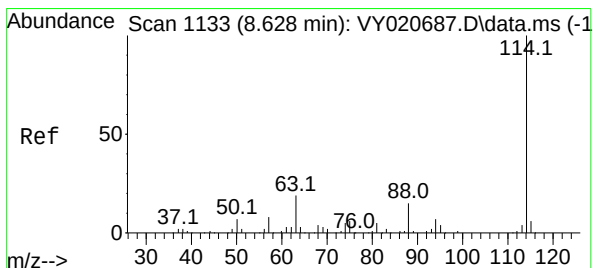
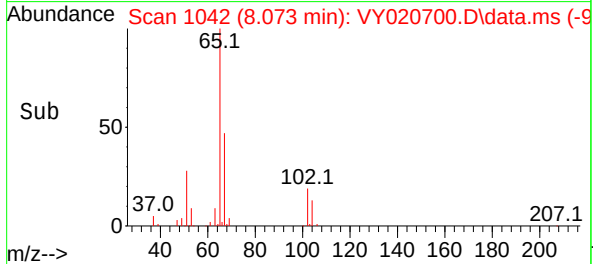
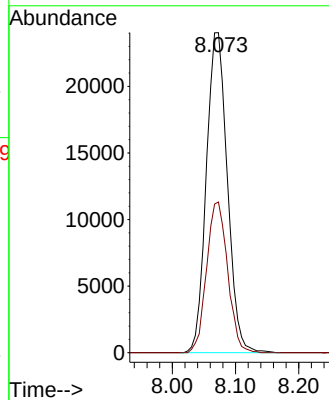
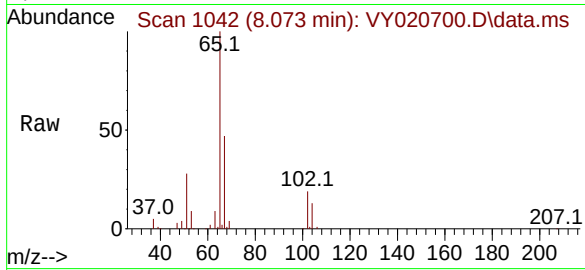
OU4-VSL-12-121224

Tgt Ion: 65 Resp: 55443

Ion Ratio Lower Upper

65 100

67 47.2 0.0 98.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY020700.D

Acq: 23 Dec 2024 18:38

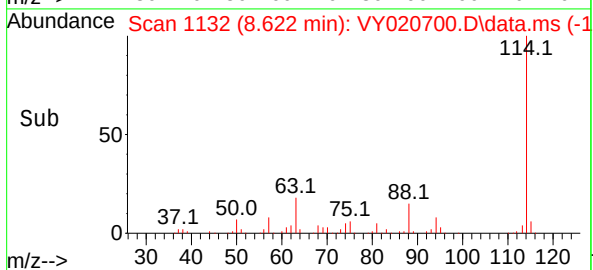
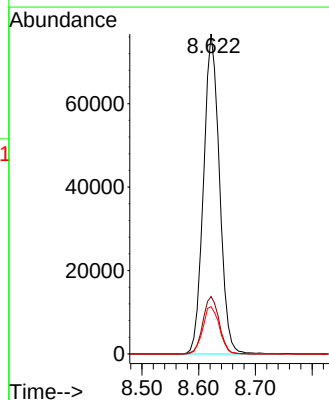
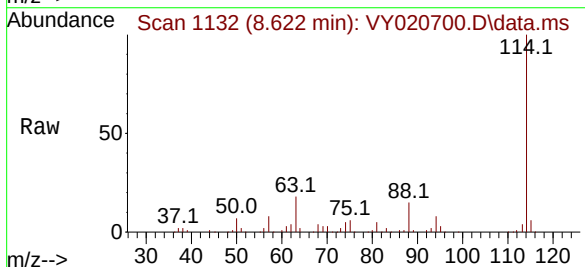
Tgt Ion:114 Resp: 149835

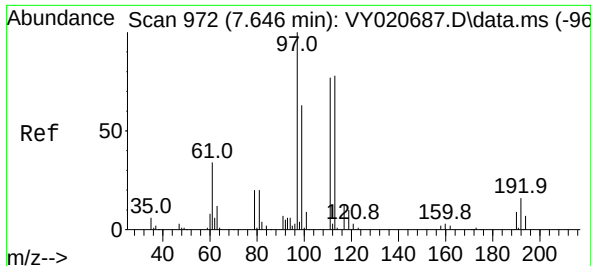
Ion Ratio Lower Upper

114 100

63 17.9 0.0 38.4

88 14.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 54.849 ug/l

RT: 7.646 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY020700.D

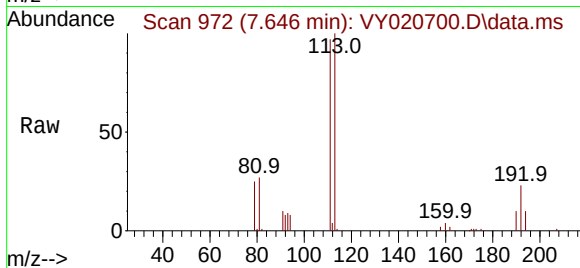
Acq: 23 Dec 2024 18:38

Instrument :

MSVOA_Y

ClientSampleId :

OU4-VSL-12-121224



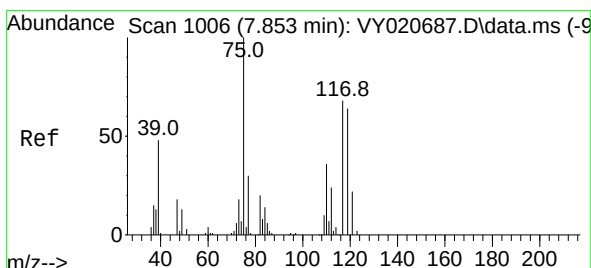
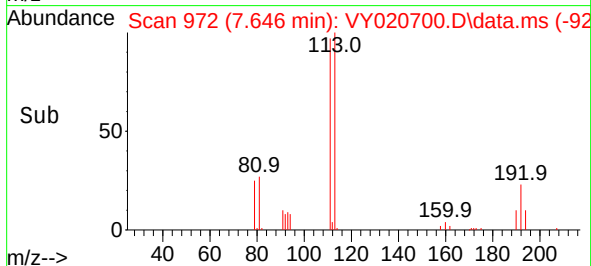
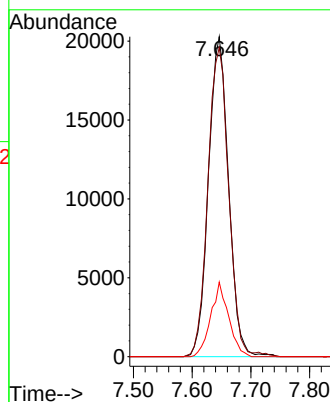
Tgt Ion:113 Resp: 48256

Ion Ratio Lower Upper

113 100

111 100.0 79.8 119.8

192 20.7 17.0 25.6



#36

1,1-Dichloropropene

Concen: 6.088 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.134 min

Lab File: VY020700.D

Acq: 23 Dec 2024 18:38

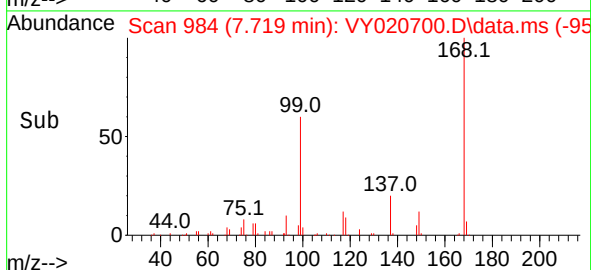
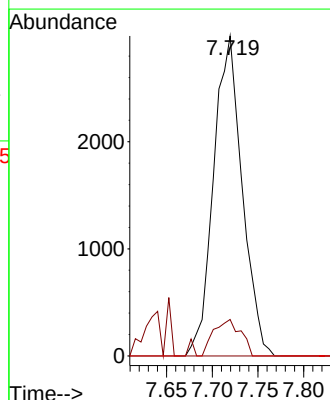
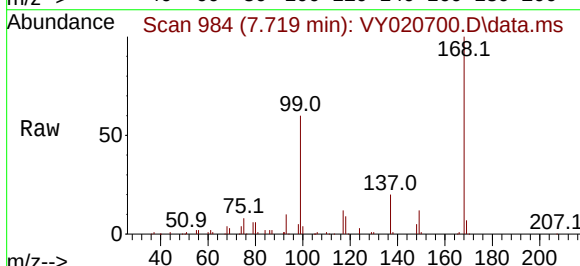
Tgt Ion: 75 Resp: 6511

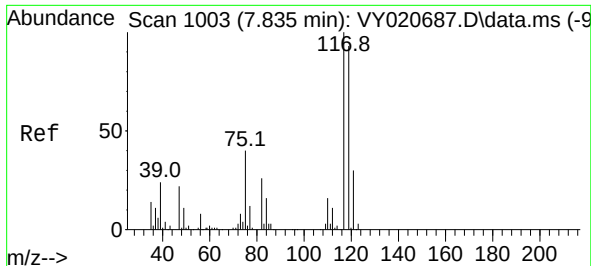
Ion Ratio Lower Upper

75 100

110 10.8 19.6 58.7#

77 0.0 25.1 37.7#

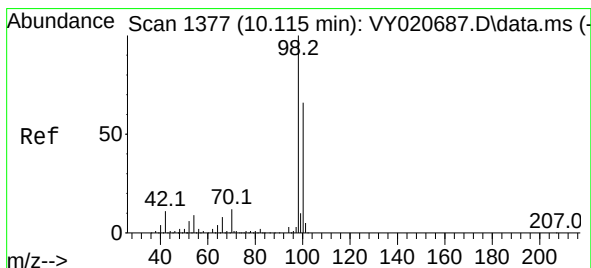
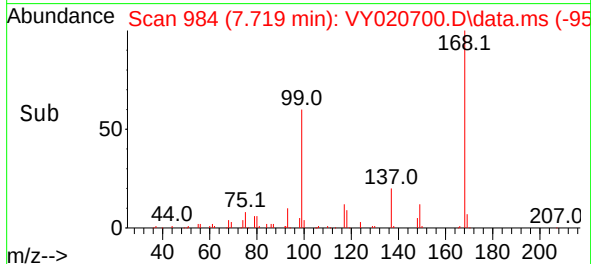
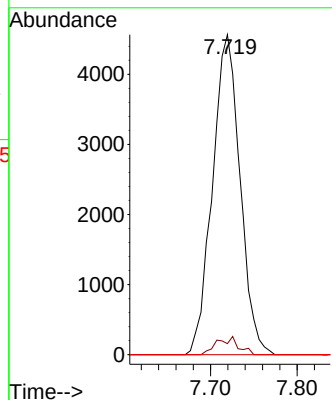
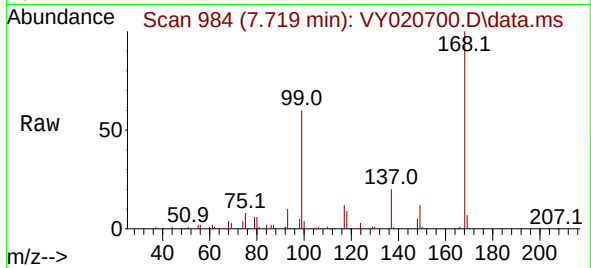




#38
Carbon Tetrachloride
Concen: 5.833 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY020700.D
Acq: 23 Dec 2024 18:38

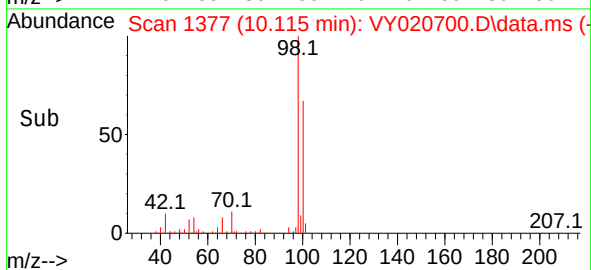
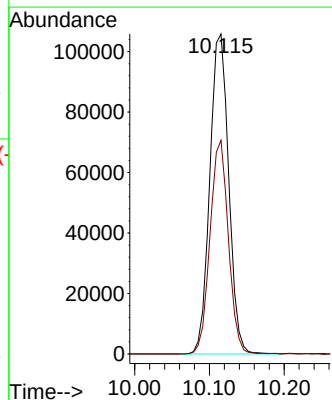
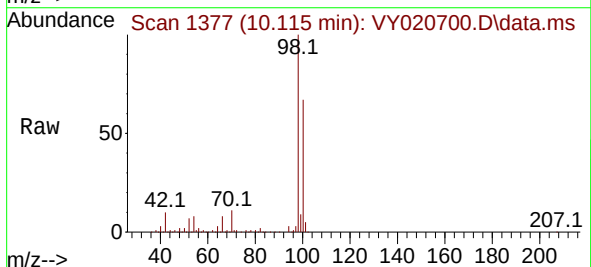
Instrument :
MSVOA_Y
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OU4-VSL-12-121224

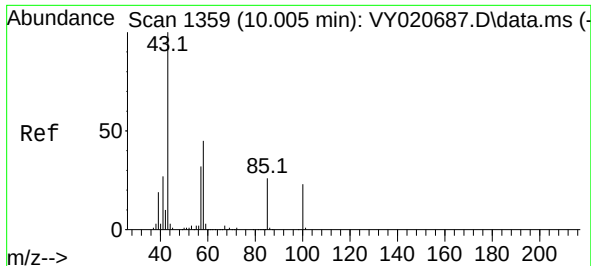
Tgt Ion:117 Resp: 10094
Ion Ratio Lower Upper
117 100
119 3.5 74.4 111.6#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 58.140 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020700.D
Acq: 23 Dec 2024 18:38

Tgt Ion: 98 Resp: 185787
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 1.645 ug/l

RT: 10.115 min Scan# 1359

Delta R.T. 0.110 min

Lab File: VY020700.D

Acq: 23 Dec 2024 18:38

Instrument :

MSVOA_Y

ClientSampleId :

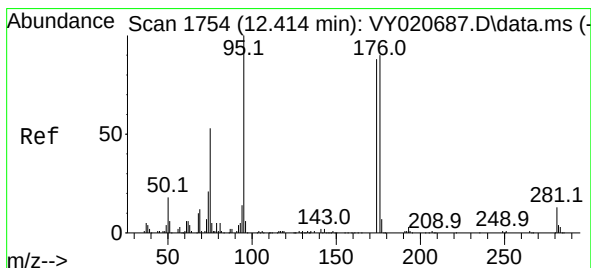
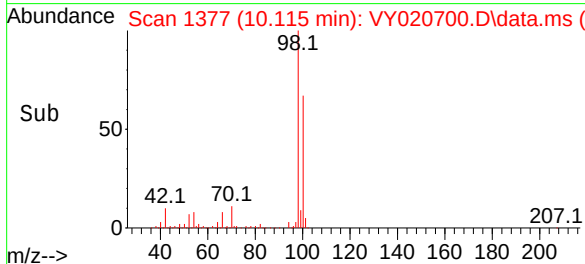
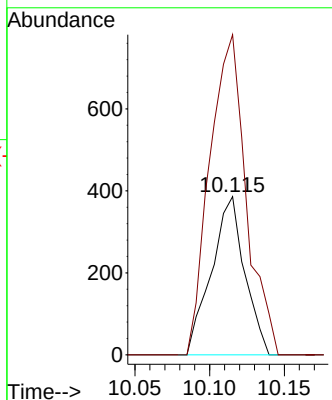
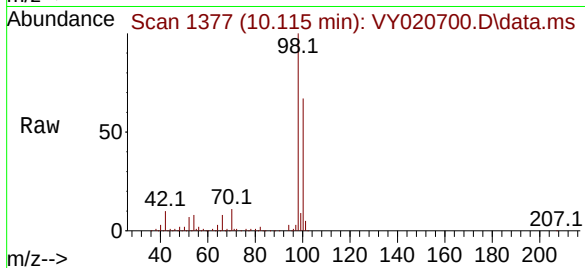
OU4-VSL-12-121224

Tgt Ion: 43 Resp: 597

Ion Ratio Lower Upper

43 100

58 221.8 35.1 52.7#



#62

4-Bromofluorobenzene

Concen: 50.477 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. 0.000 min

Lab File: VY020700.D

Acq: 23 Dec 2024 18:38

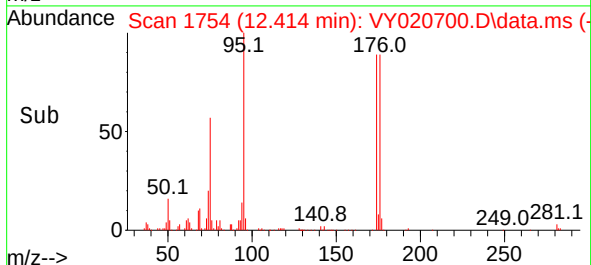
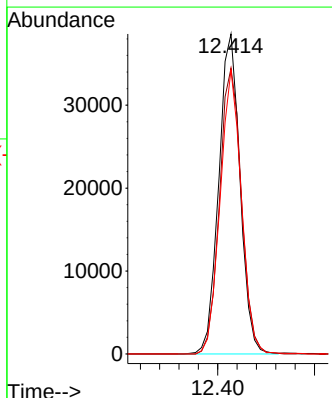
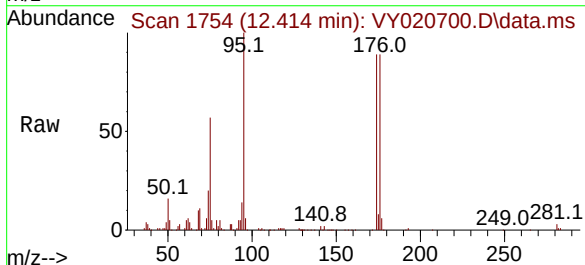
Tgt Ion: 95 Resp: 58708

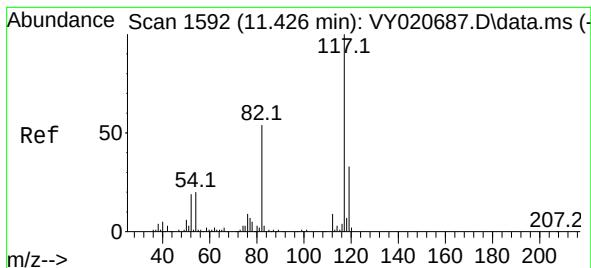
Ion Ratio Lower Upper

95 100

174 92.1 0.0 179.2

176 88.7 0.0 179.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY020700.D

Acq: 23 Dec 2024 18:38

Instrument :

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ClientSampleId :

OU4-VSL-12-121224

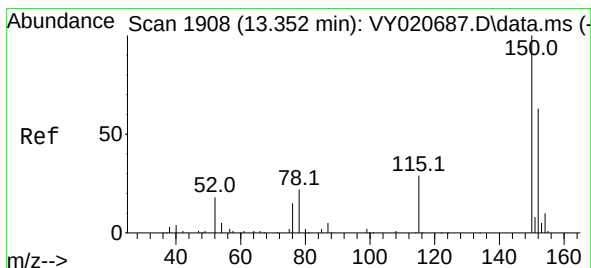
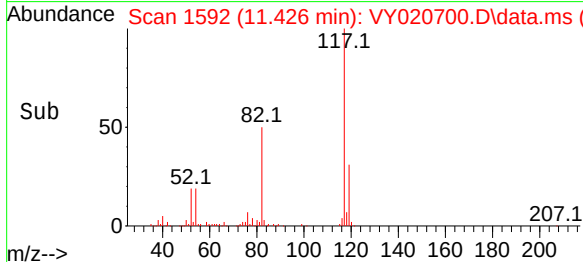
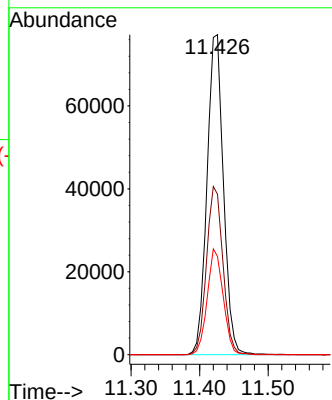
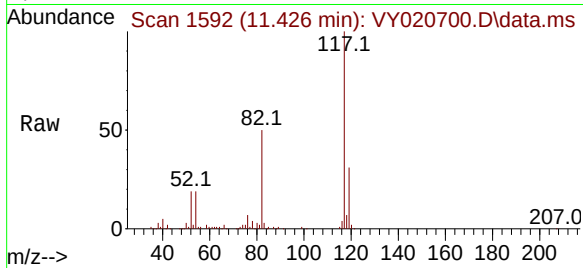
Tgt Ion:117 Resp: 128778

Ion Ratio Lower Upper

117 100

82 50.1 43.4 65.2

119 30.7 26.6 39.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY020700.D

Acq: 23 Dec 2024 18:38

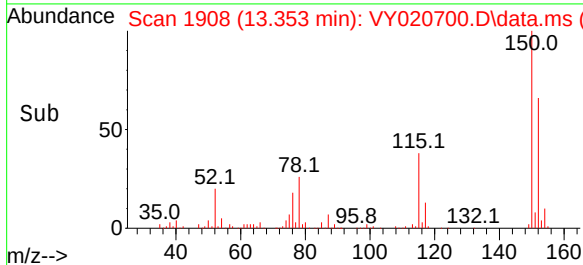
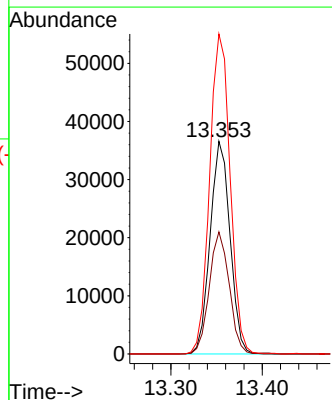
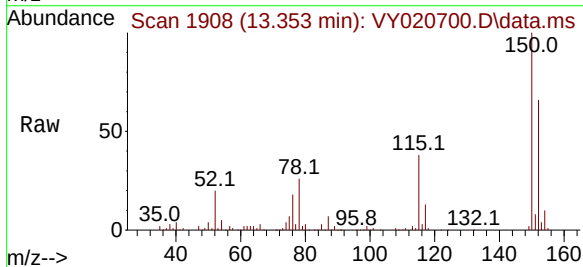
Tgt Ion:152 Resp: 55306

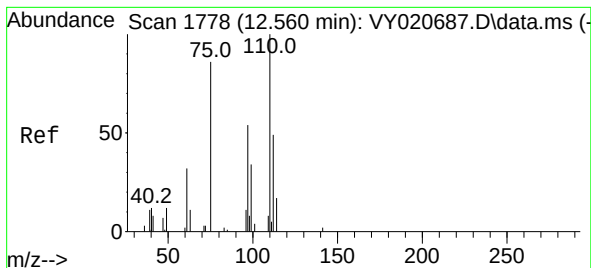
Ion Ratio Lower Upper

152 100

115 57.4 30.3 90.9

150 154.6 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 89.740 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.146 min

Lab File: VY020700.D

Acq: 23 Dec 2024 18:38

Instrument :

MSVOA_Y

ClientSampleId :

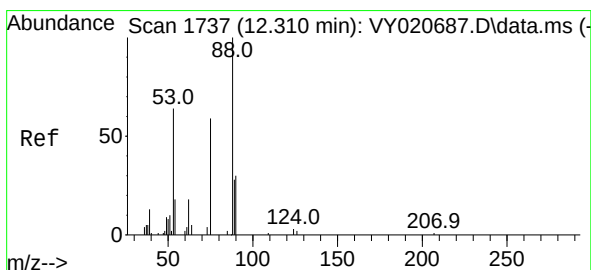
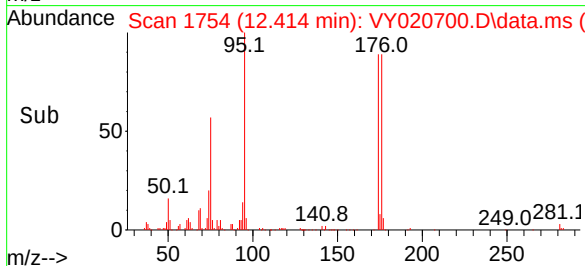
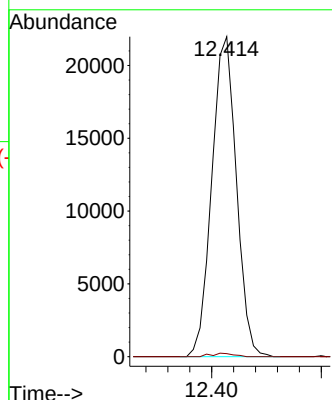
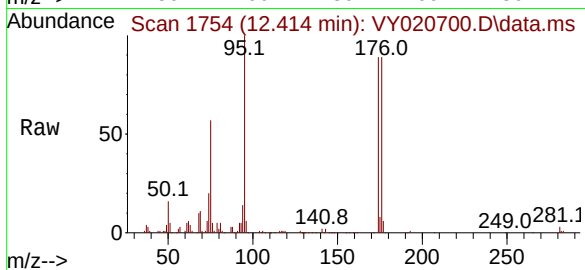
OU4-VSL-12-121224

Tgt Ion: 75 Resp: 34228

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 195.076 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. 0.104 min

Lab File: VY020700.D

Acq: 23 Dec 2024 18:38

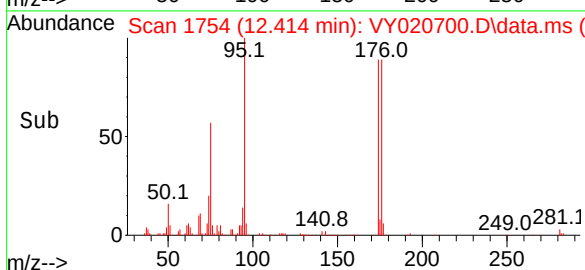
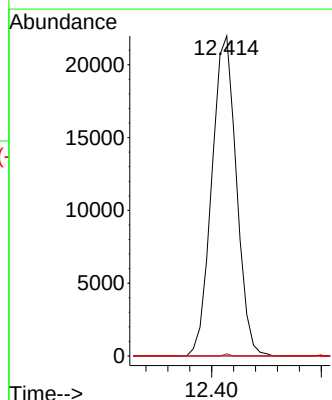
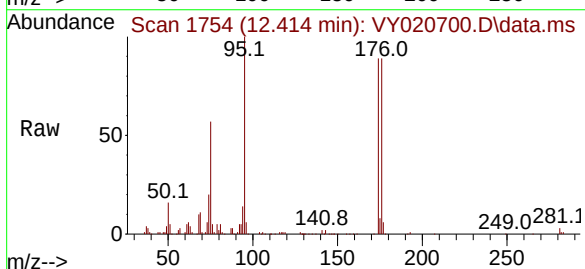
Tgt Ion: 75 Resp: 34228

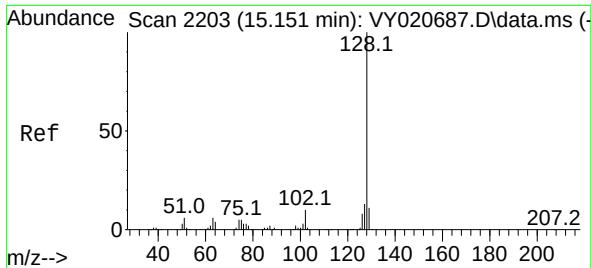
Ion Ratio Lower Upper

75 100

53 0.0 83.1 124.7#

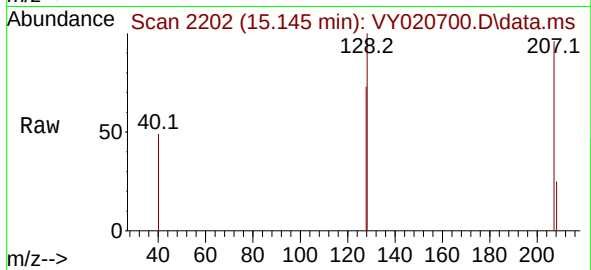
89 0.2 40.6 61.0#





#95
Naphthalene
Concen: 3.772 ug/l
RT: 15.145 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020700.D
Acq: 23 Dec 2024 18:38

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-12-121224



Tgt Ion:128 Resp: 455
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.6 12.8#

