

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062822\
 Data File : VU049463.D
 Acq On : 28 Jun 2022 17:08
 Operator : SY/MD
 Sample : N3480-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 61522B

Quant Time: Jun 28 17:55:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 10:35:43 2022
 Response via : Initial Calibration

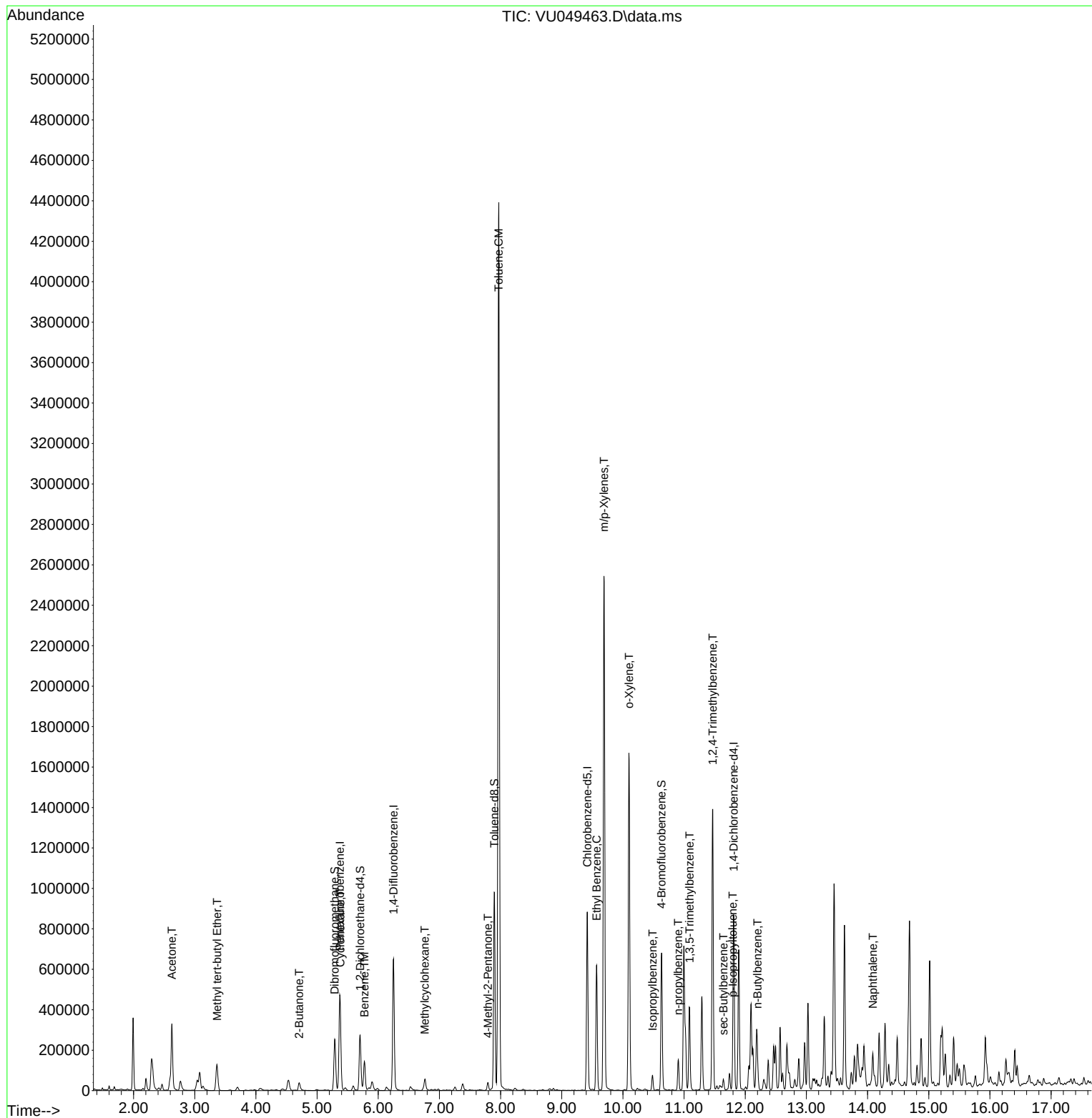
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.372	168	306633	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	528819	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	476019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	229022	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	203375	43.066	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.140%
35) Dibromofluoromethane	5.288	113	167080	45.160	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.320%
50) Toluene-d8	7.899	98	641422	48.607	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.220%
62) 4-Bromofluorobenzene	10.632	95	233603	46.213	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.420%
Target Compounds						
					Qvalue	
16) Acetone	2.626	43	385215	161.757	ug/l	99
19) Methyl tert-butyl Ether	3.366	73	80088	6.466	ug/l #	4
25) 2-Butanone	4.707	43	56231	15.756	ug/l	94
31) Cyclohexane	5.382	56	25889m	3.651	ug/l	
39) Methylcyclohexane	6.761	83	21319	3.315	ug/l	91
40) Benzene	5.774	78	134702	8.317	ug/l	99
51) 4-Methyl-2-Pentanone	7.793	43	27533	3.830	ug/l	95
52) Toluene	7.970	92	1833285	190.441	ug/l	100
67) Ethyl Benzene	9.571	91	444429	24.876	ug/l	97
68) m/p-Xylenes	9.690	106	712650	107.808	ug/l	90
69) o-Xylene	10.099	106	433389	66.041	ug/l	89
73) Isopropylbenzene	10.484	105	47530	2.913	ug/l	97
78) n-propylbenzene	10.906	91	118395	5.972	ug/l	96
80) 1,3,5-Trimethylbenzene	11.089	105	226693	15.916	ug/l	94
84) 1,2,4-Trimethylbenzene	11.468	105	782794	55.945	ug/l	95
85) sec-Butylbenzene	11.642	105	33958	1.928	ug/l	97
86) p-Isopropyltoluene	11.793	119	19834	1.392	ug/l	90
89) n-Butylbenzene	12.201	91	57245	4.342	ug/l #	32
95) Naphthalene	14.086	128	131999	8.842	ug/l	98

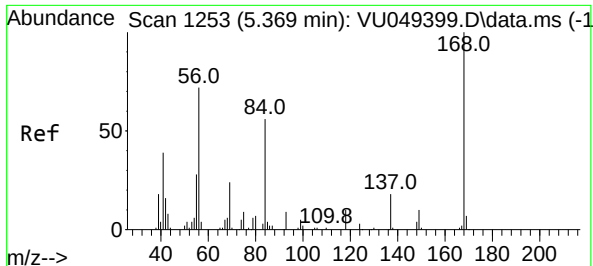
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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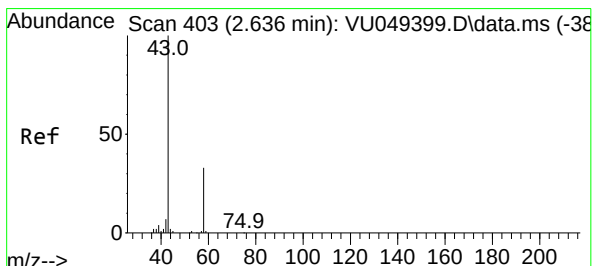
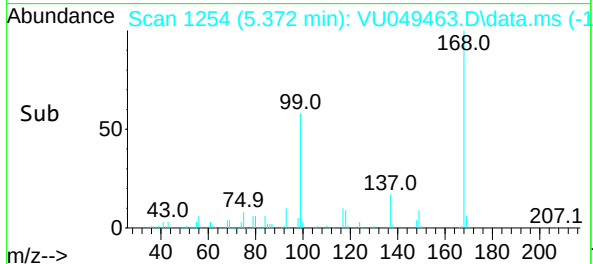
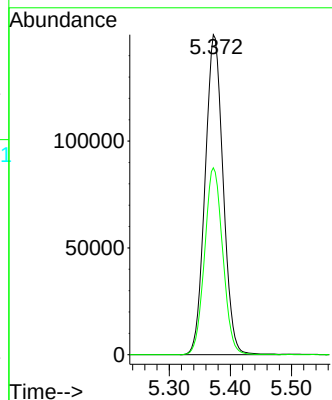
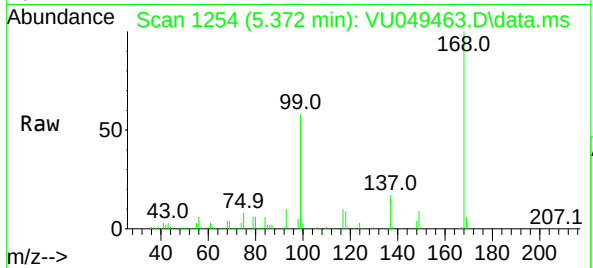




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049463.D
Acq: 28 Jun 2022 17:08

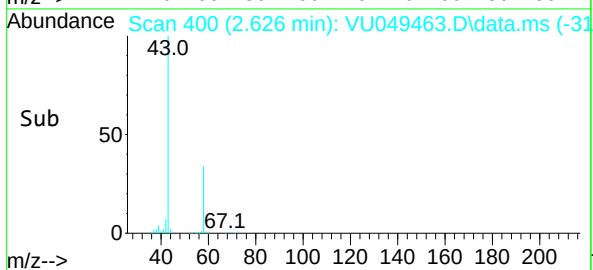
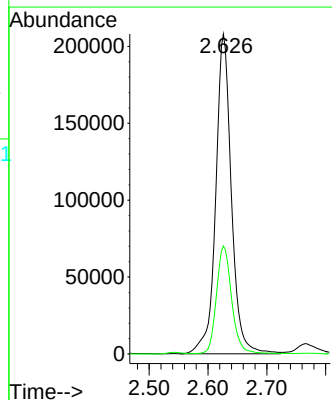
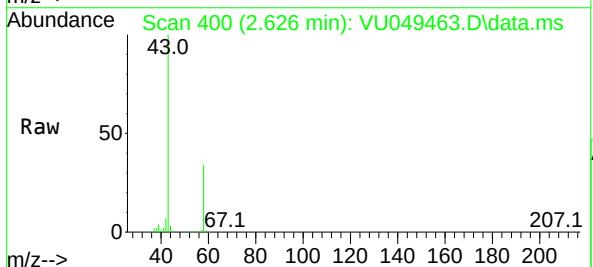
Instrument :
MSVOA_U
ClientSampleId :
61522B

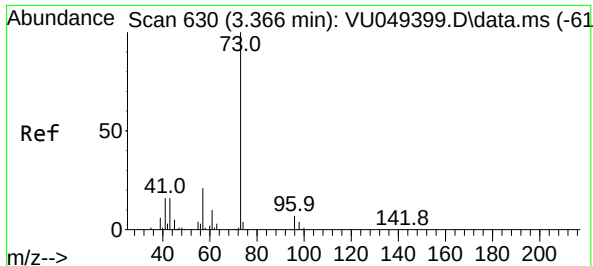
Tgt Ion:168 Resp: 306633
Ion Ratio Lower Upper
168 100
99 58.4 39.3 58.9



#16
Acetone
Concen: 161.757 ug/l
RT: 2.626 min Scan# 400
Delta R.T. -0.010 min
Lab File: VU049463.D
Acq: 28 Jun 2022 17:08

Tgt Ion: 43 Resp: 385215
Ion Ratio Lower Upper
43 100
58 33.6 27.5 41.3





#19

Methyl tert-butyl Ether

Concen: 6.466 ug/l

RT: 3.366 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU049463.D

Acq: 28 Jun 2022 17:08

Instrument :

MSVOA_U

ClientSampleId :

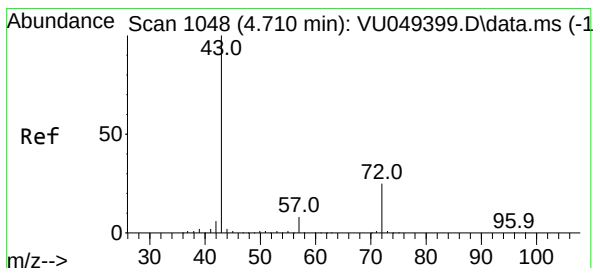
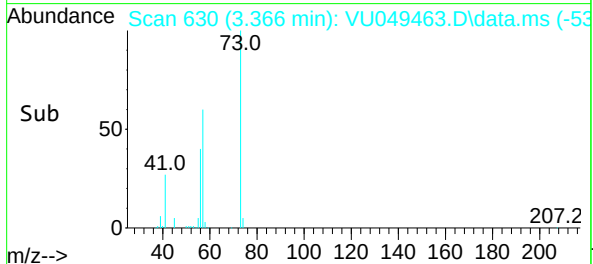
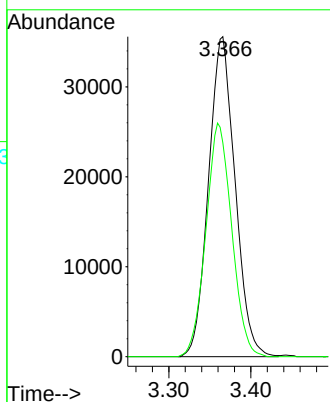
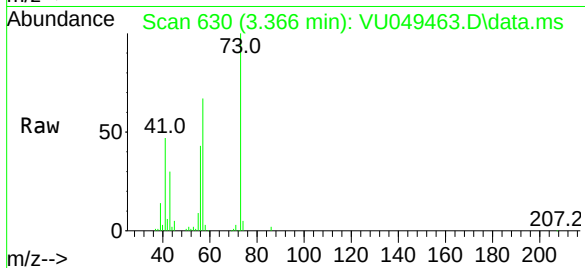
61522B

Tgt Ion: 73 Resp: 80088

Ion Ratio Lower Upper

73 100

57 66.8 17.1 25.7#



#25

2-Butanone

Concen: 15.756 ug/l

RT: 4.707 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU049463.D

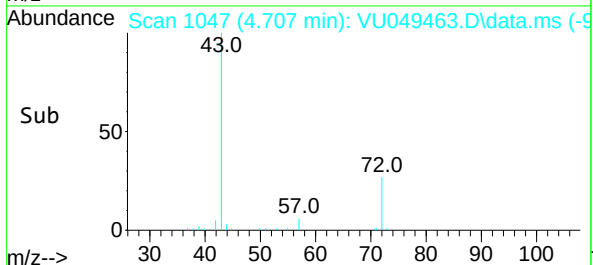
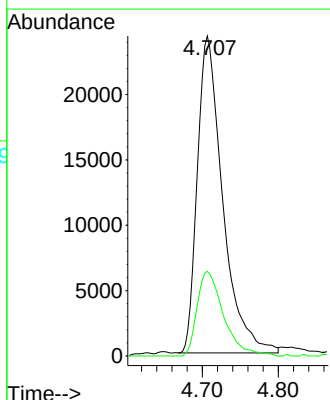
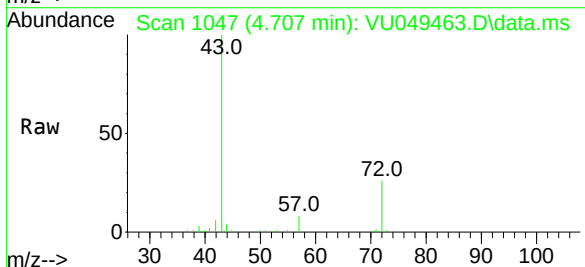
Acq: 28 Jun 2022 17:08

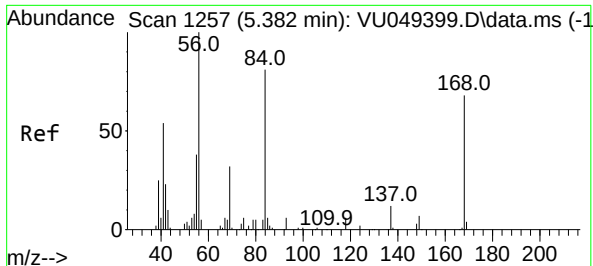
Tgt Ion: 43 Resp: 56231

Ion Ratio Lower Upper

43 100

72 26.7 23.8 35.6

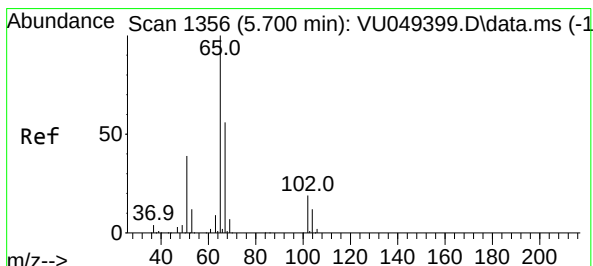
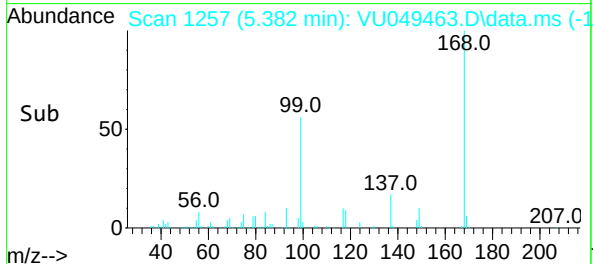
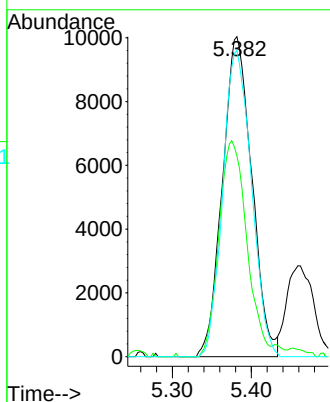
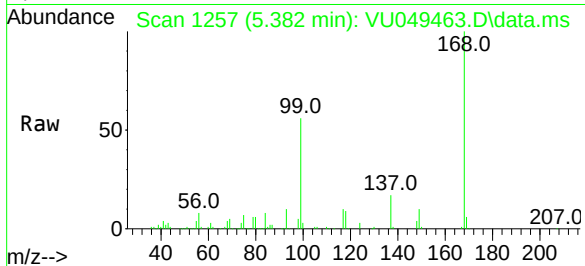




#31
Cyclohexane
Concen: 3.651 ug/l m
RT: 5.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049463.D
Acq: 28 Jun 2022 17:08

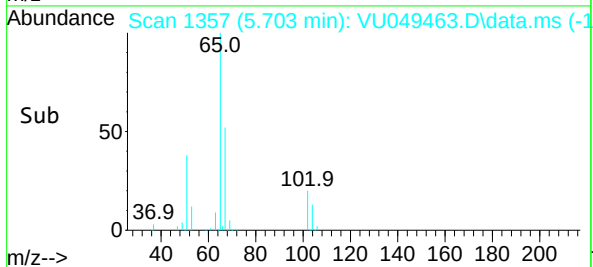
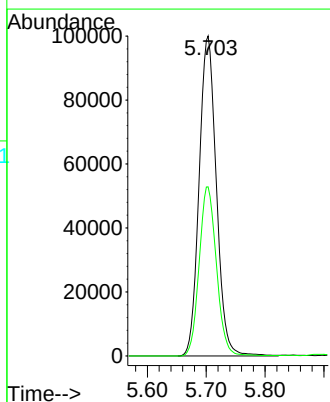
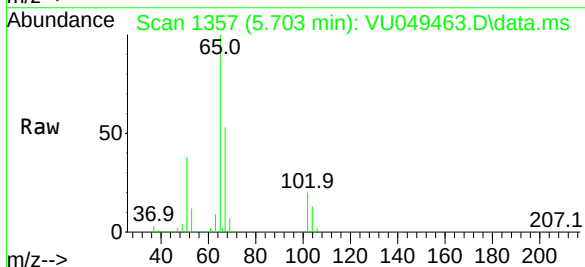
Instrument :
MSVOA_U
ClientSampleId :
61522B

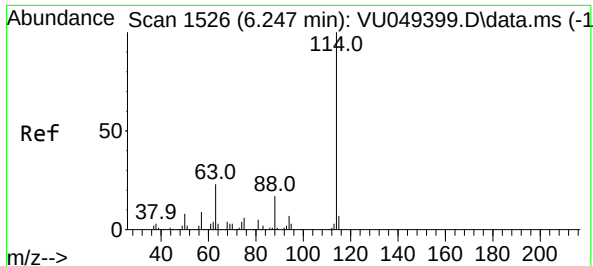
Tgt Ion: 56 Resp: 25889
Ion Ratio Lower Upper
56 100
69 62.7 27.8 41.8#
84 95.7 74.2 111.4



#33
1,2-Dichloroethane-d4
Concen: 43.066 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VU049463.D
Acq: 28 Jun 2022 17:08

Tgt Ion: 65 Resp: 203375
Ion Ratio Lower Upper
65 100
67 53.0 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 114

Delta R.T. 0.003 min

Lab File: VU049463.D

Acq: 28 Jun 2022 17:08

Instrument :

MSVOA_U

ClientSampleId :

61522B

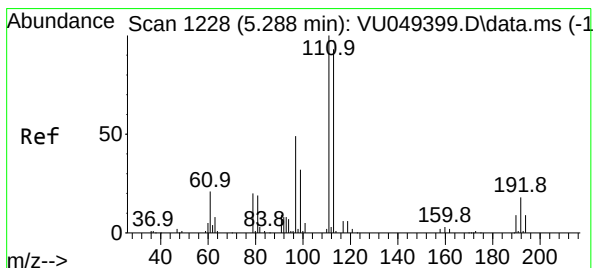
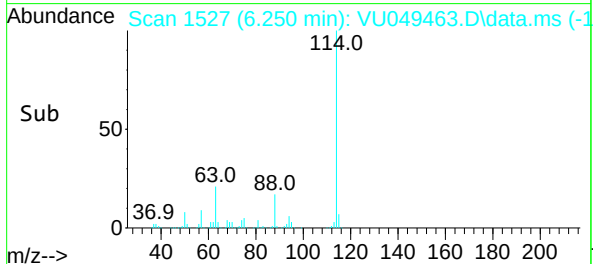
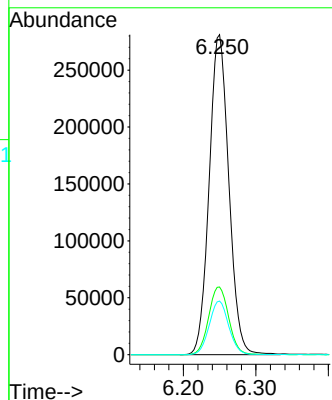
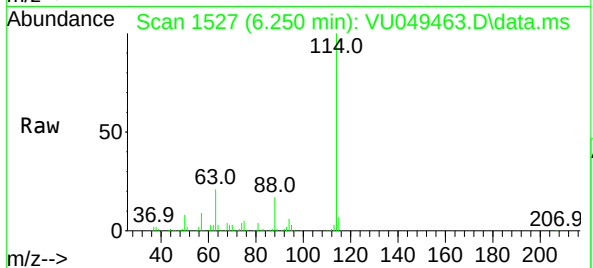
Tgt Ion:114 Resp: 528819

Ion Ratio Lower Upper

114 100

63 21.1 0.0 37.8

88 16.7 0.0 29.2



#35

Dibromofluoromethane

Concen: 45.160 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049463.D

Acq: 28 Jun 2022 17:08

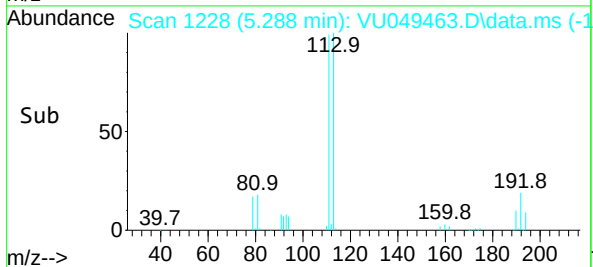
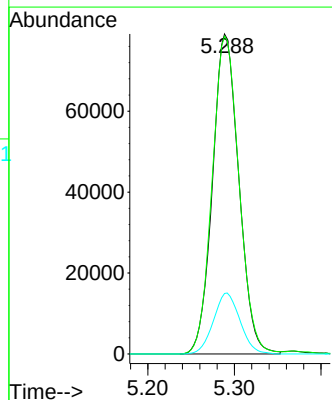
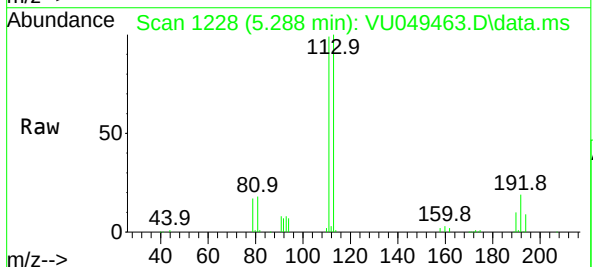
Tgt Ion:113 Resp: 167080

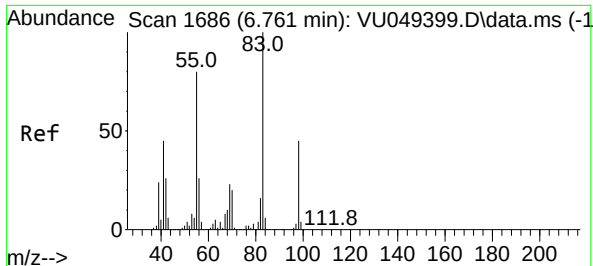
Ion Ratio Lower Upper

113 100

111 100.9 82.1 123.1

192 19.2 18.0 27.0





#39

Methylcyclohexane

Concen: 3.315 ug/l

RT: 6.761 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049463.D

Acq: 28 Jun 2022 17:08

Instrument :

MSVOA_U

ClientSampleId :

61522B

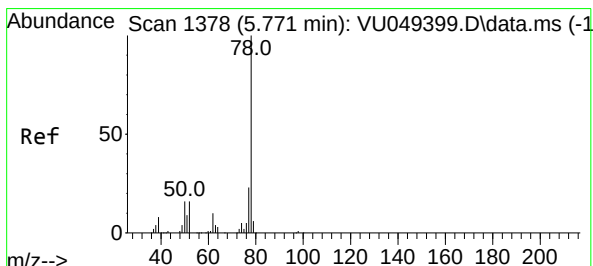
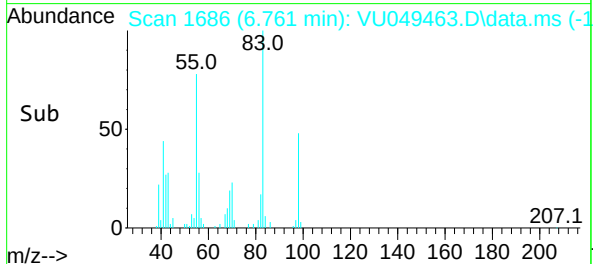
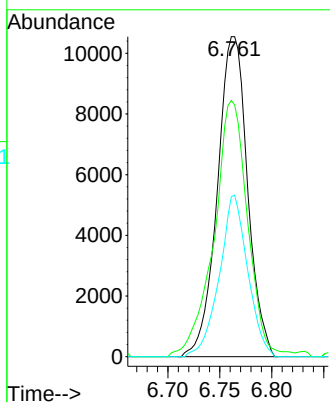
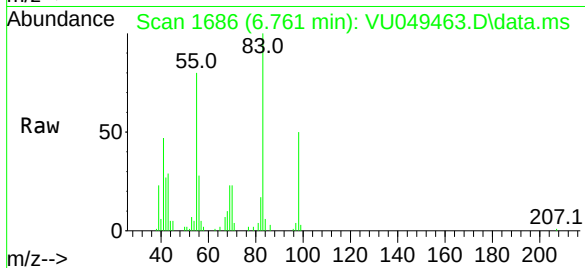
Tgt Ion: 83 Resp: 21319

Ion Ratio Lower Upper

83 100

55 78.2 55.3 82.9

98 50.0 37.3 55.9



#40

Benzene

Concen: 8.317 ug/l

RT: 5.774 min Scan# 1379

Delta R.T. 0.003 min

Lab File: VU049463.D

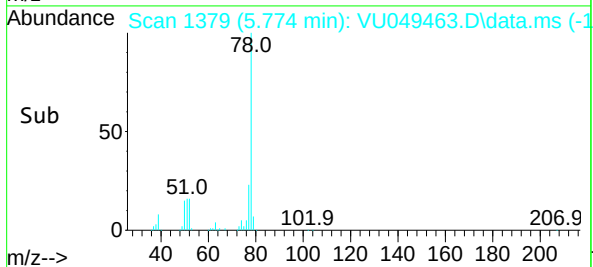
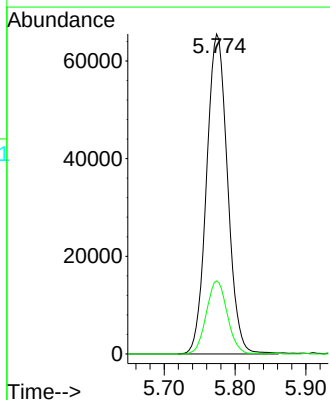
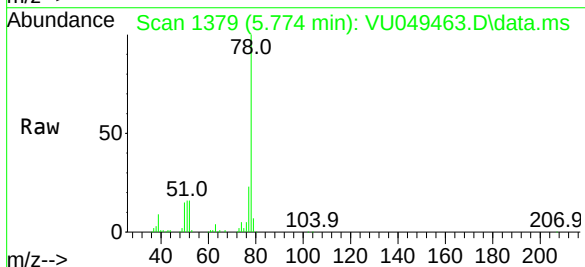
Acq: 28 Jun 2022 17:08

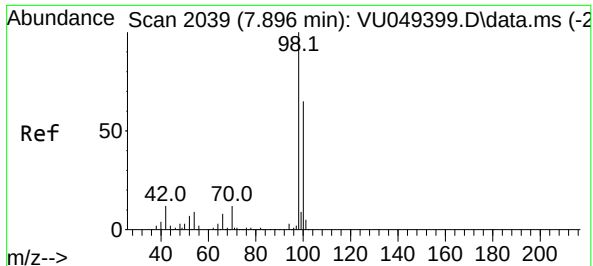
Tgt Ion: 78 Resp: 134702

Ion Ratio Lower Upper

78 100

77 22.8 18.8 28.2

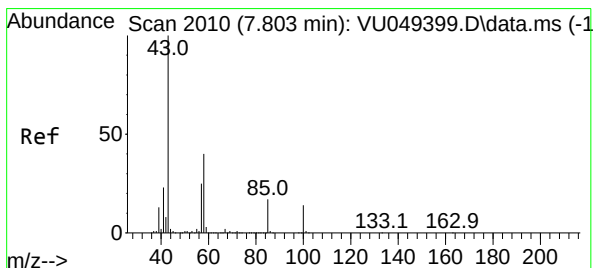
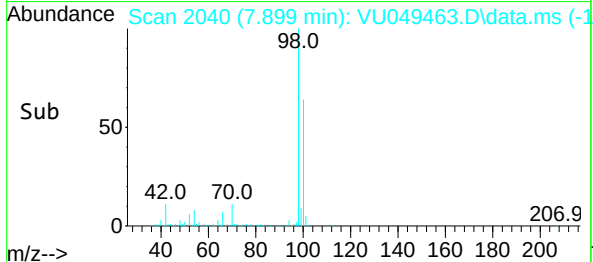
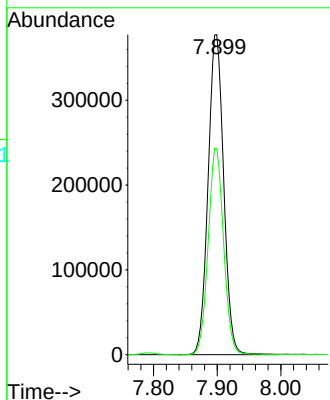
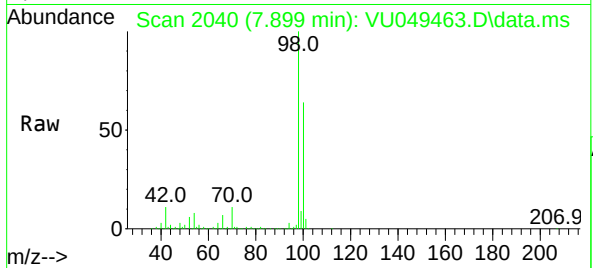




#50
Toluene-d8
Concen: 48.607 ug/l
RT: 7.899 min Scan# 2039
Delta R.T. 0.003 min
Lab File: VU049463.D
Acq: 28 Jun 2022 17:08

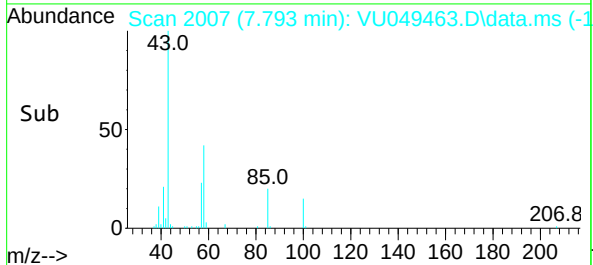
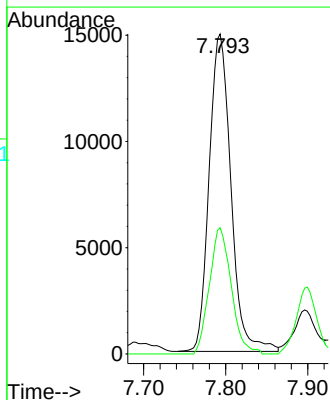
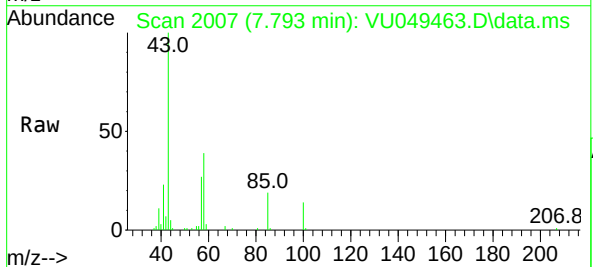
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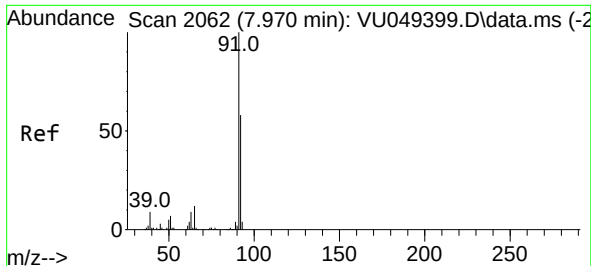
Tgt Ion: 98 Resp: 641422
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 3.830 ug/l
RT: 7.793 min Scan# 2007
Delta R.T. -0.010 min
Lab File: VU049463.D
Acq: 28 Jun 2022 17:08

Tgt Ion: 43 Resp: 27533
Ion Ratio Lower Upper
43 100
58 39.9 34.7 52.1

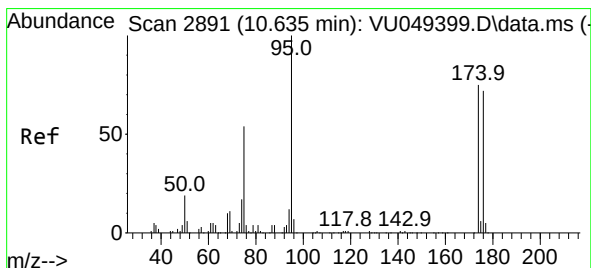
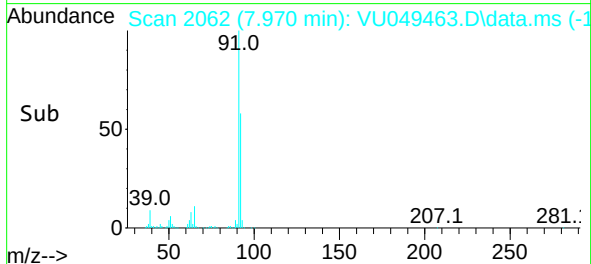
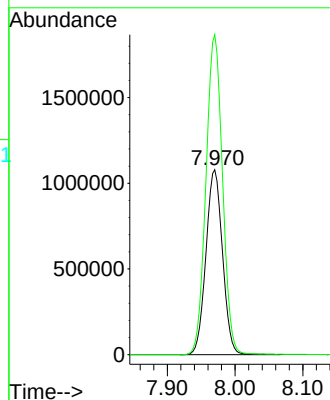
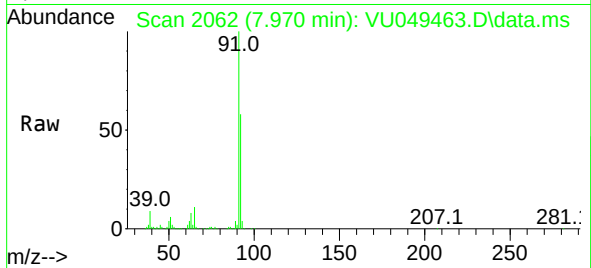




#52
Toluene
Concen: 190.441 ug/l
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU049463.D
Acq: 28 Jun 2022 17:08

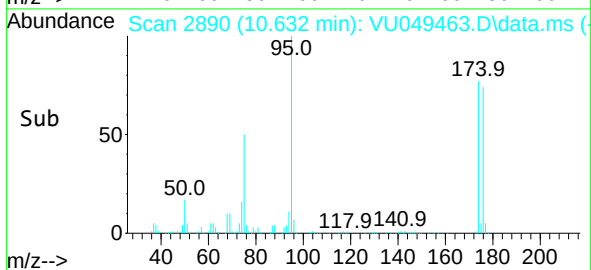
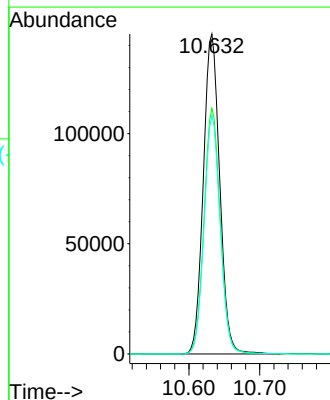
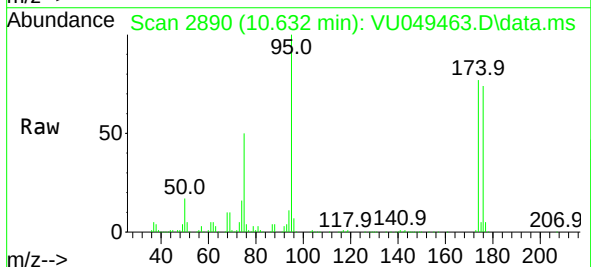
Instrument :
MSVOA_U
ClientSampleId :
61522B

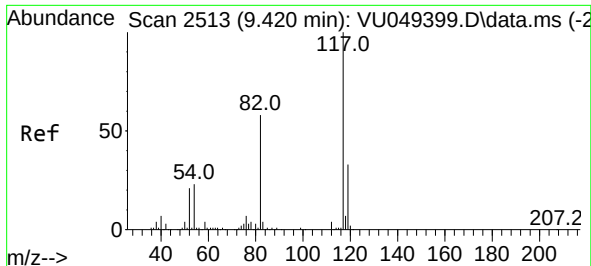
Tgt Ion: 92 Resp: 1833285
Ion Ratio Lower Upper
92 100
91 173.0 138.2 207.4



#62
4-Bromofluorobenzene
Concen: 46.213 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VU049463.D
Acq: 28 Jun 2022 17:08

Tgt Ion: 95 Resp: 233603
Ion Ratio Lower Upper
95 100
174 76.2 0.0 182.0
176 72.9 0.0 177.8

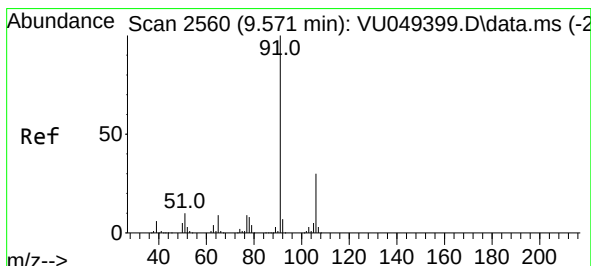
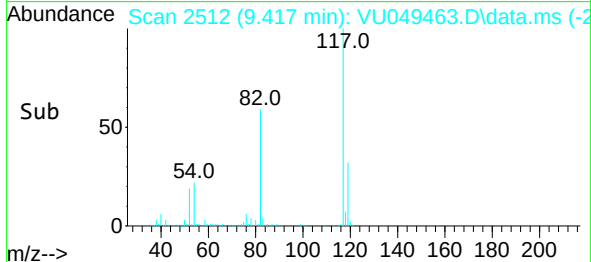
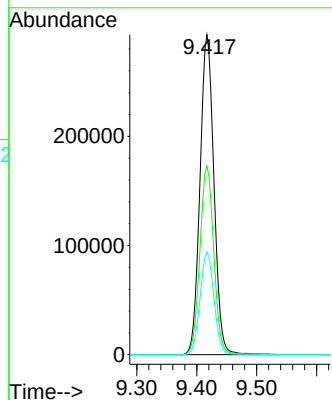
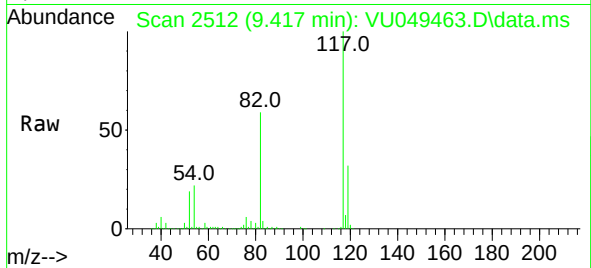




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049463.D
Acq: 28 Jun 2022 17:08

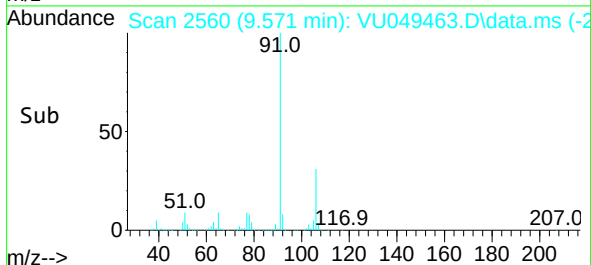
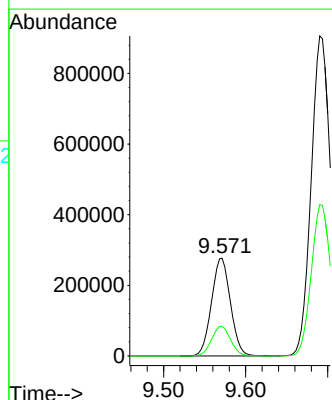
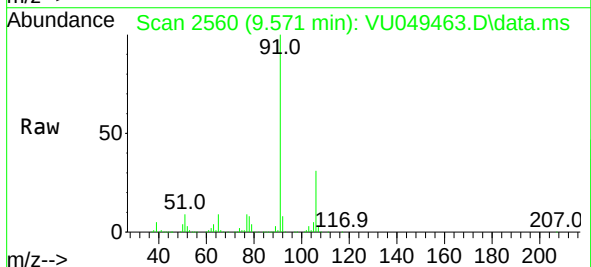
Instrument :
MSVOA_U
ClientSampleId :
61522B

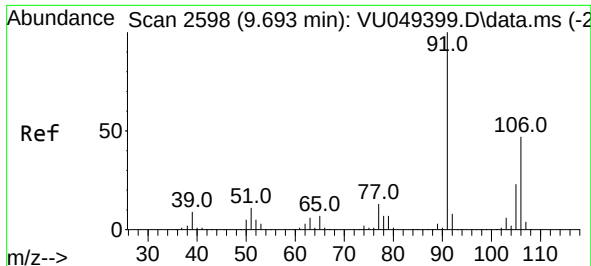
Tgt Ion:117 Resp: 476019
Ion Ratio Lower Upper
117 100
82 58.9 41.7 62.5
119 32.1 25.7 38.5



#67
Ethyl Benzene
Concen: 24.876 ug/l
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU049463.D
Acq: 28 Jun 2022 17:08

Tgt Ion: 91 Resp: 444429
Ion Ratio Lower Upper
91 100
106 30.5 25.6 38.4

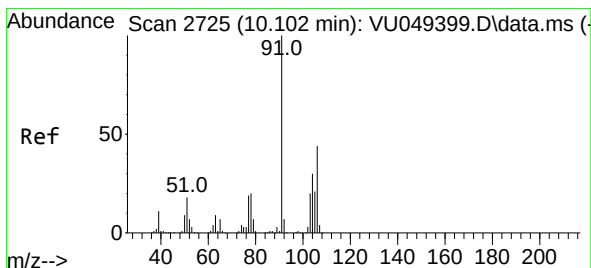
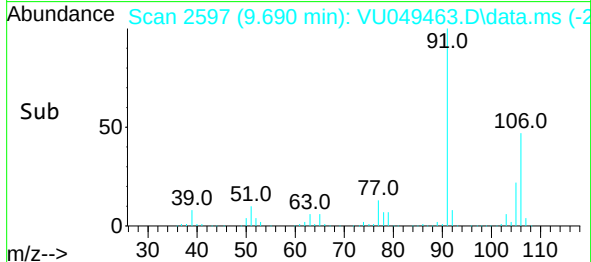
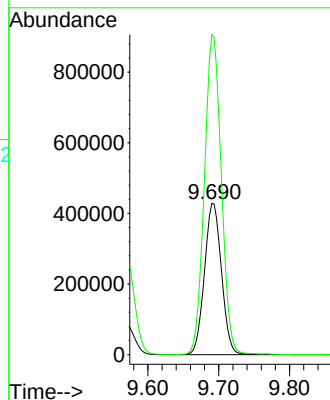
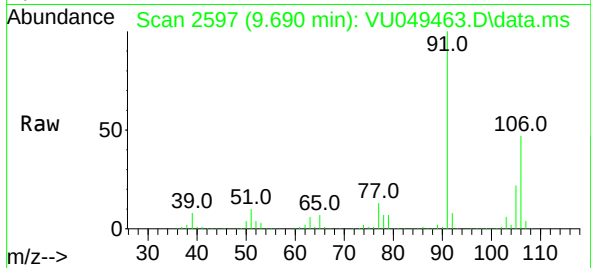




#68
m/p-Xylenes
Concen: 107.808 ug/l
RT: 9.690 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049463.D
Acq: 28 Jun 2022 17:08

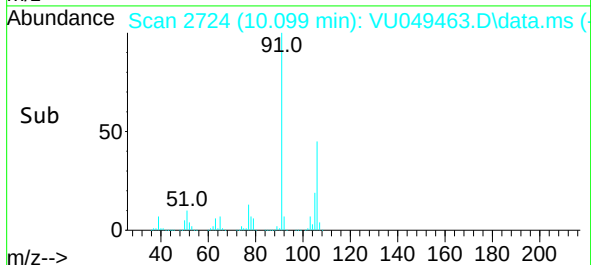
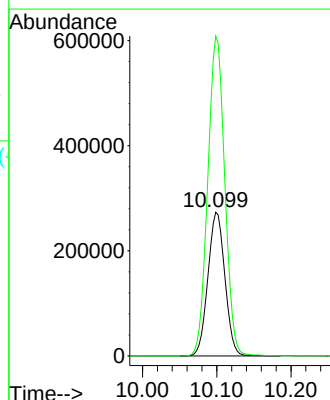
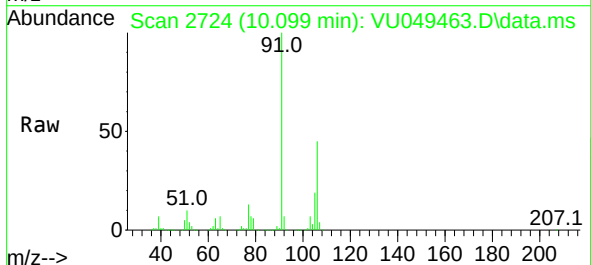
Instrument :
MSVOA_U
ClientSampleId :
61522B

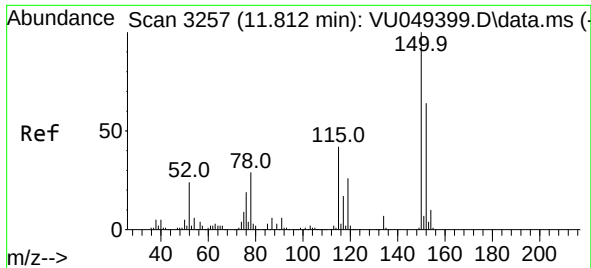
Tgt Ion:106 Resp: 712650
Ion Ratio Lower Upper
106 100
91 210.8 157.2 235.8



#69
o-Xylene
Concen: 66.041 ug/l
RT: 10.099 min Scan# 2724
Delta R.T. -0.003 min
Lab File: VU049463.D
Acq: 28 Jun 2022 17:08

Tgt Ion:106 Resp: 433389
Ion Ratio Lower Upper
106 100
91 223.5 103.5 310.5

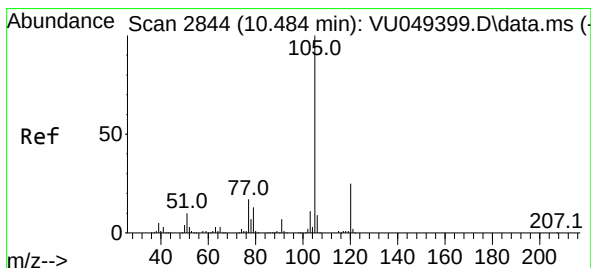
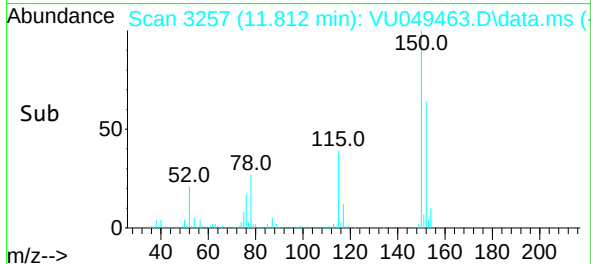
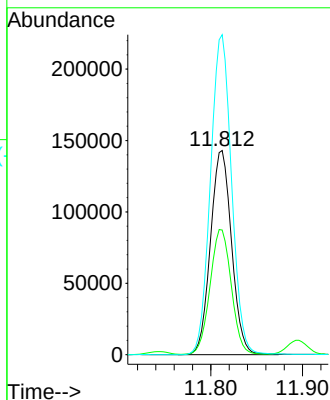
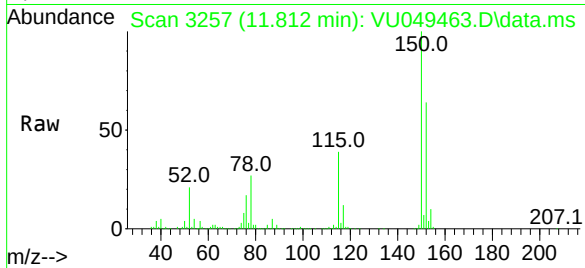




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU049463.D
Acq: 28 Jun 2022 17:08

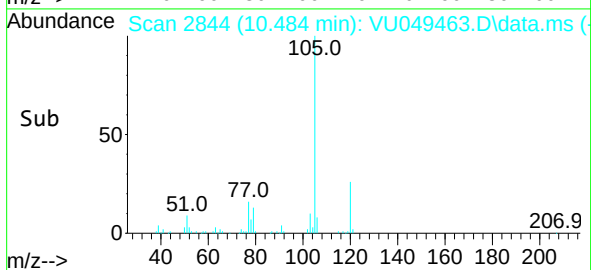
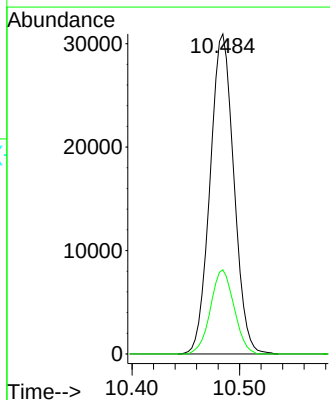
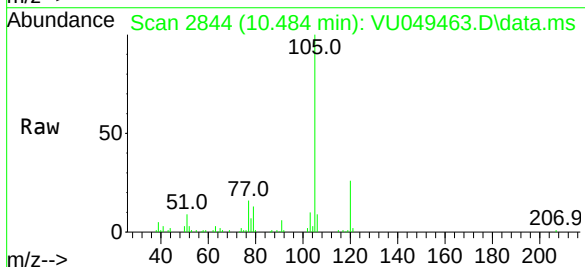
Instrument :
MSVOA_U
ClientSampleId :
61522B

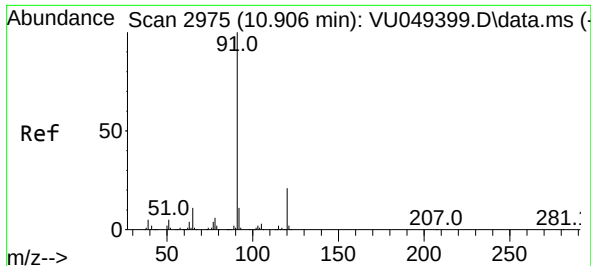
Tgt Ion:152 Resp: 229022
Ion Ratio Lower Upper
152 100
115 61.7 37.0 110.9
150 156.4 0.0 342.2



#73
Isopropylbenzene
Concen: 2.913 ug/l
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU049463.D
Acq: 28 Jun 2022 17:08

Tgt Ion:105 Resp: 47530
Ion Ratio Lower Upper
105 100
120 26.0 13.8 41.4

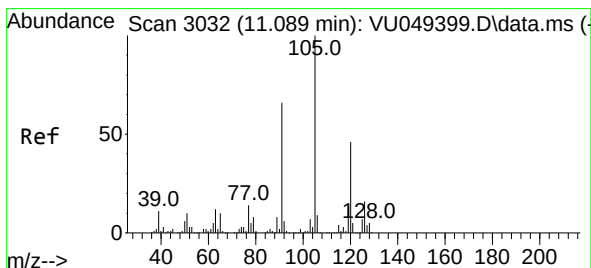
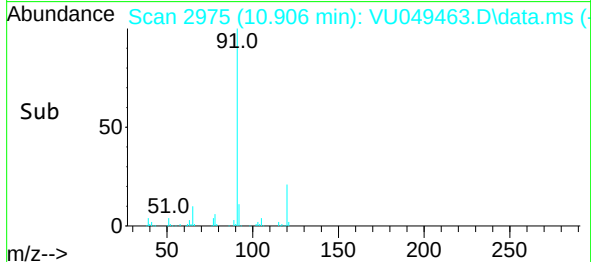
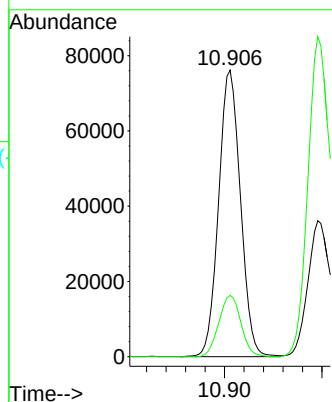
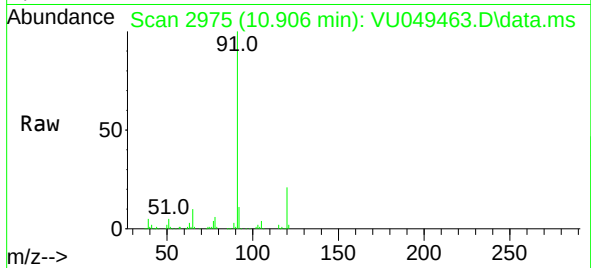




#78
n-propylbenzene
Concen: 5.972 ug/l
RT: 10.906 min Scan# 2975
Delta R.T. 0.000 min
Lab File: VU049463.D
Acq: 28 Jun 2022 17:08

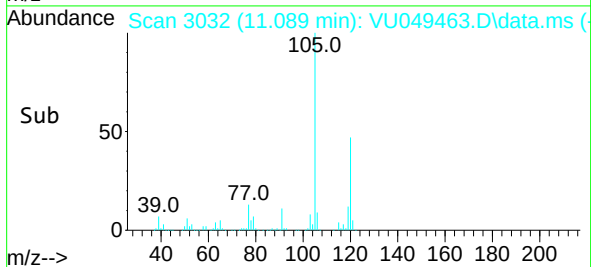
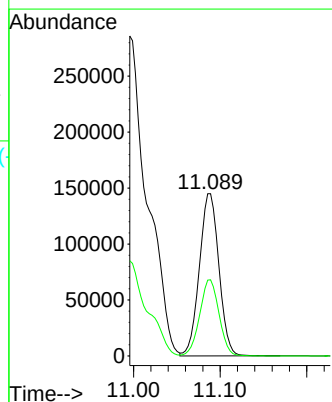
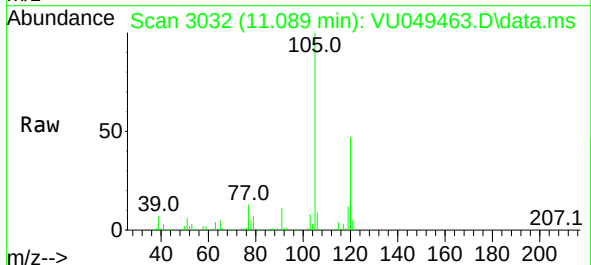
Instrument :
MSVOA_U
ClientSampleId :
61522B

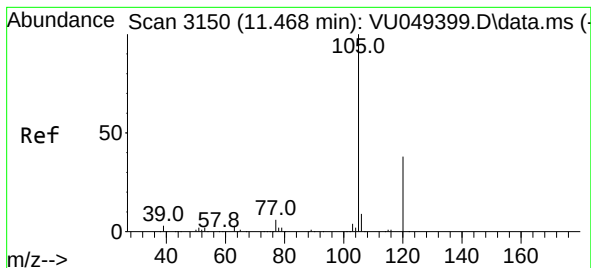
Tgt Ion: 91 Resp: 118395
Ion Ratio Lower Upper
91 100
120 21.6 11.9 35.5



#80
1,3,5-Trimethylbenzene
Concen: 15.916 ug/l
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU049463.D
Acq: 28 Jun 2022 17:08

Tgt Ion:105 Resp: 226693
Ion Ratio Lower Upper
105 100
120 46.6 25.3 75.9





#84

1,2,4-Trimethylbenzene

Concen: 55.945 ug/l

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU049463.D

Acq: 28 Jun 2022 17:08

Instrument :

MSVOA_U

ClientSampleId :

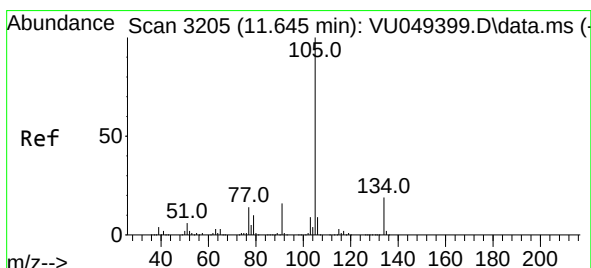
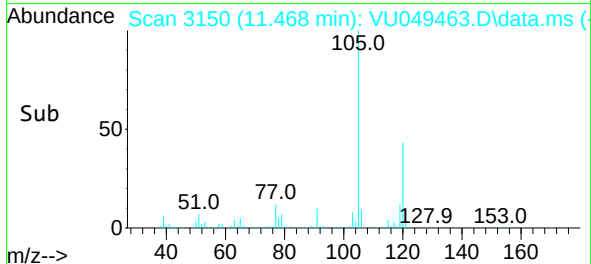
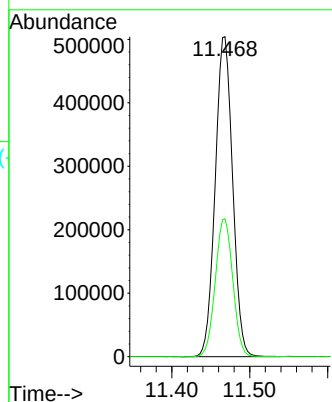
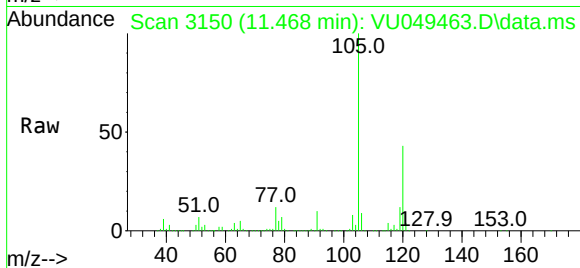
61522B

Tgt Ion:105 Resp: 782794

Ion Ratio Lower Upper

105 100

120 43.3 23.4 70.3



#85

sec-Butylbenzene

Concen: 1.928 ug/l

RT: 11.642 min Scan# 3204

Delta R.T. -0.003 min

Lab File: VU049463.D

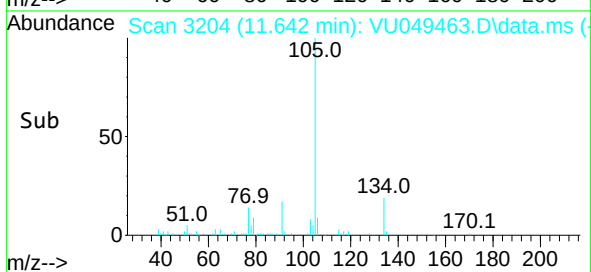
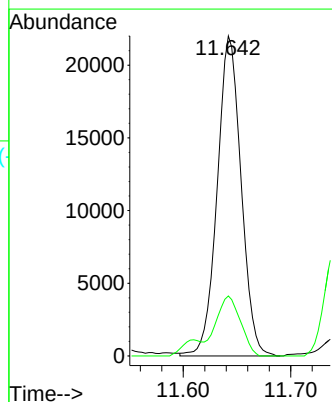
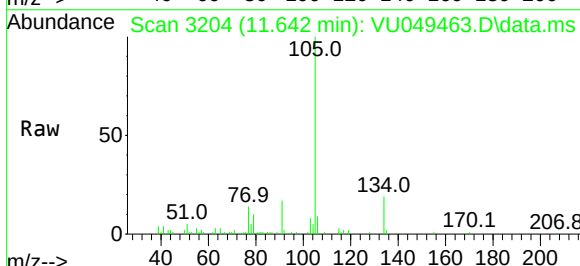
Acq: 28 Jun 2022 17:08

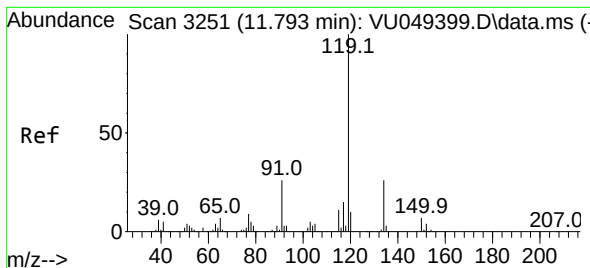
Tgt Ion:105 Resp: 33958

Ion Ratio Lower Upper

105 100

134 19.1 10.4 31.1





#86

p-Isopropyltoluene

Concen: 1.392 ug/l

RT: 11.793 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU049463.D

Acq: 28 Jun 2022 17:08

Instrument :

MSVOA_U

ClientSampleId :

61522B

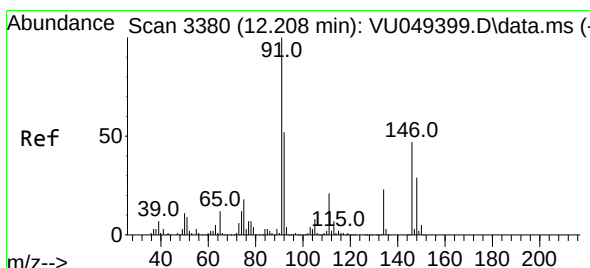
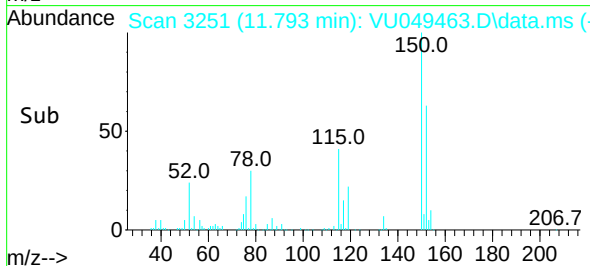
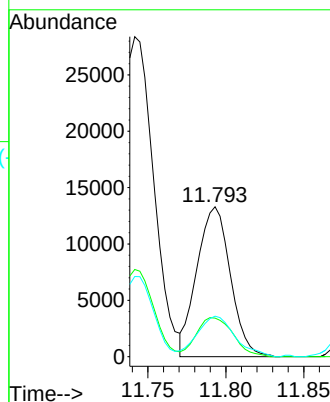
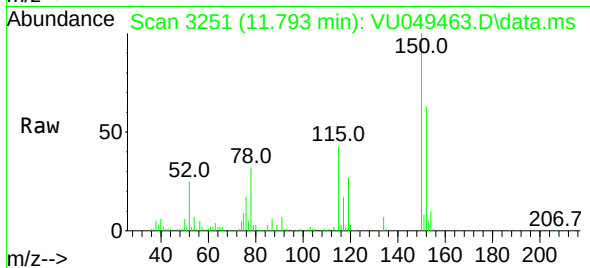
Tgt Ion:119 Resp: 19834

Ion Ratio Lower Upper

119 100

134 28.5 13.5 40.4

91 30.6 11.2 33.5



#89

n-Butylbenzene

Concen: 4.342 ug/l

RT: 12.201 min Scan# 3378

Delta R.T. -0.006 min

Lab File: VU049463.D

Acq: 28 Jun 2022 17:08

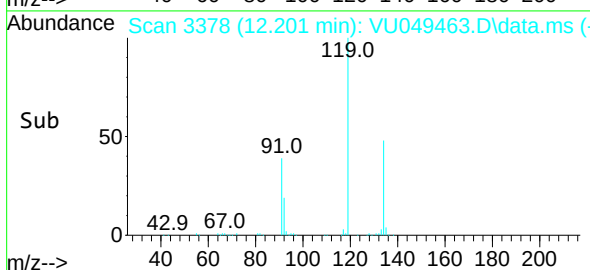
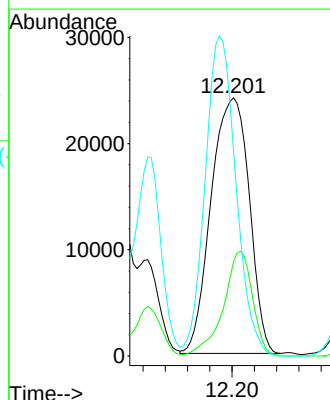
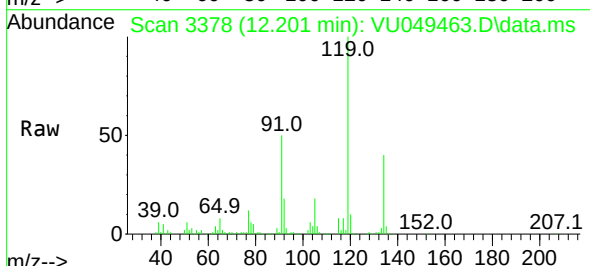
Tgt Ion: 91 Resp: 57245

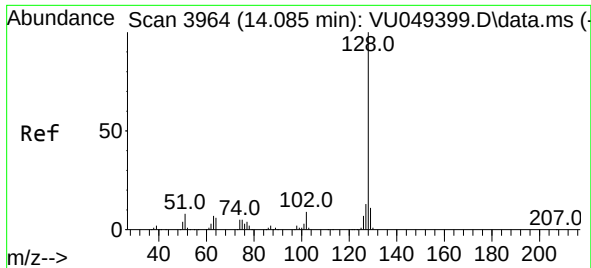
Ion Ratio Lower Upper

91 100

92 31.4 26.2 78.6

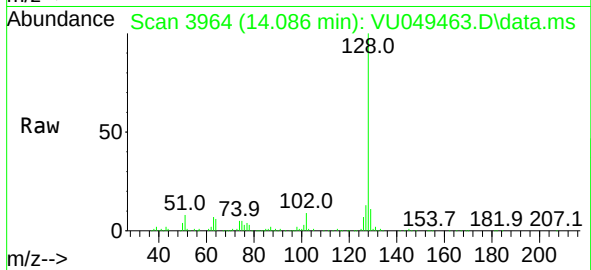
134 101.3 13.5 40.4#





#95
Naphthalene
Concen: 8.842 ug/l
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU049463.D
Acq: 28 Jun 2022 17:08

Instrument :
MSVOA_U
ClientSampleId :
61522B



Tgt Ion:128 Resp: 131999
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 12.6 8.6 13.0

