

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063022\
 Data File : VU049566.D
 Acq On : 30 Jun 2022 16:20
 Operator : SY/MD
 Sample : N3551-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-24R

Quant Time: Jul 01 05:26:02 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

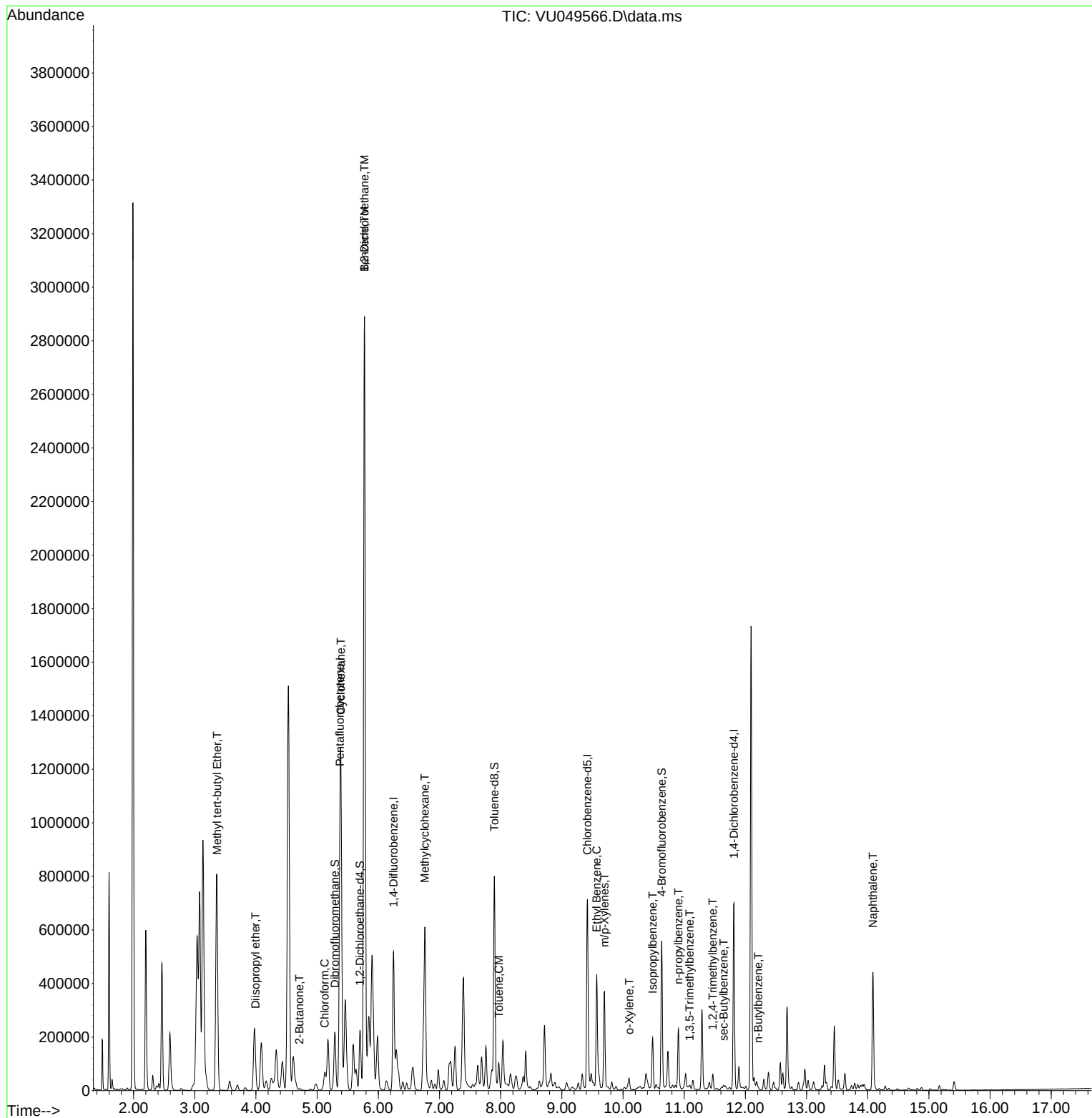
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.372	168	240498	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	419823	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	384576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	179227	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	168202	45.413	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.820%		
35) Dibromofluoromethane	5.289	113	134081	45.649	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.300%		
50) Toluene-d8	7.896	98	514860	49.146	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.300%		
62) 4-Bromofluorobenzene	10.632	95	186733	46.531	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.060%		
Target Compounds						
						Qvalue
19) Methyl tert-butyl Ether	3.366	73	70837	7.291	ug/l	# 1
22) Diisopropyl ether	3.993	45	14446	1.433	ug/l	# 66
25) 2-Butanone	4.710	43	6166	2.203	ug/l	93
30) Chloroform	5.125	83	11977	2.091	ug/l	86
31) Cyclohexane	5.388	56	583740	104.963	ug/l	89
39) Methylcyclohexane	6.761	83	248328	48.645	ug/l	90
40) Benzene	5.774	78	2690104	209.214	ug/l	100
42) 1,2-Dichloroethane	5.774	62	24592	5.139	ug/l	96
52) Toluene	7.970	92	40050	5.241	ug/l	97
67) Ethyl Benzene	9.568	91	269015	18.638	ug/l	96
68) m/p-Xylenes	9.697	106	96771	18.120	ug/l	92
69) o-Xylene	10.102	106	10681	2.015	ug/l	93
73) Isopropylbenzene	10.484	105	117017	9.165	ug/l	95
78) n-propylbenzene	10.906	91	170001	10.958	ug/l	96
80) 1,3,5-Trimethylbenzene	11.089	105	6047	0.543	ug/l	95
84) 1,2,4-Trimethylbenzene	11.468	105	31482	2.875	ug/l	97
85) sec-Butylbenzene	11.645	105	8062	0.585	ug/l	89
89) n-Butylbenzene	12.211	91	6809	0.660	ug/l	# 59
95) Naphthalene	14.086	128	346807	25.594	ug/l	99

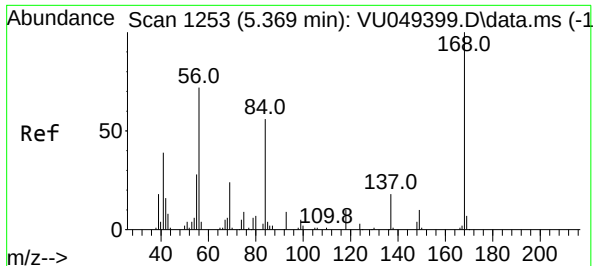
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 28 10:35:43 2022
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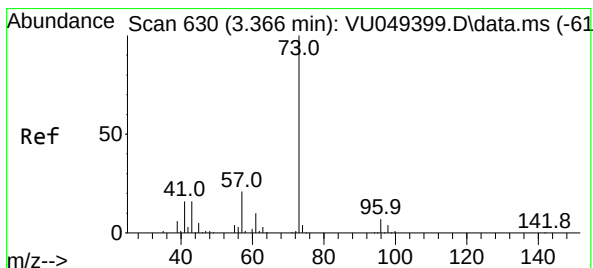
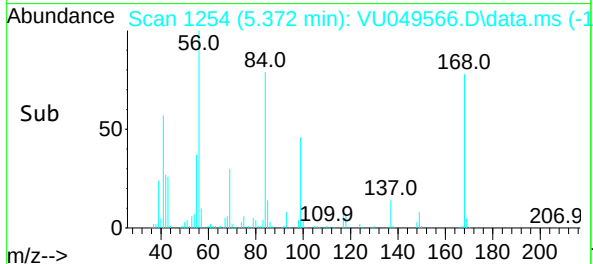
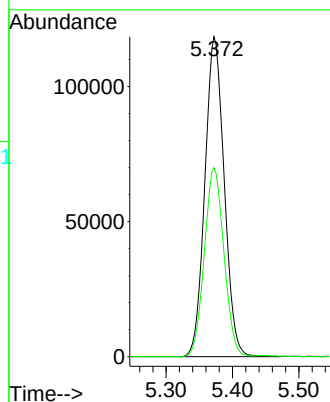
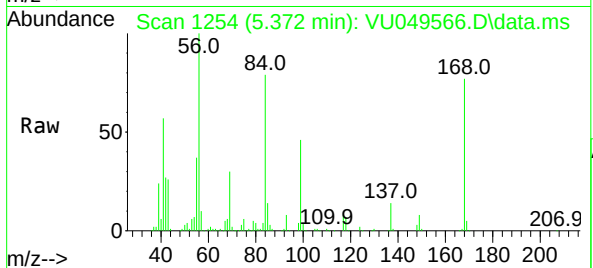




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049566.D
Acq: 30 Jun 2022 16:20

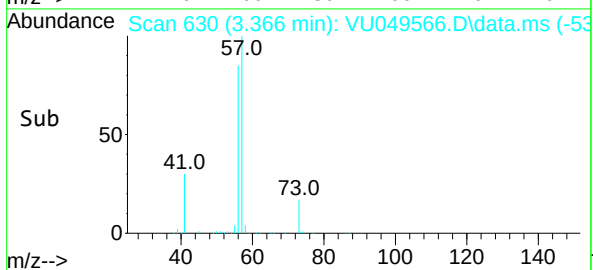
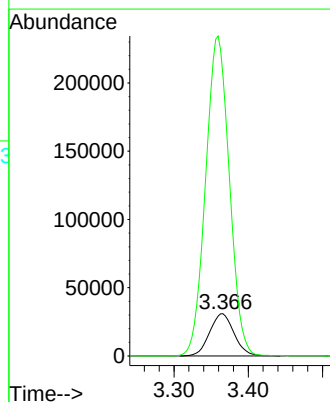
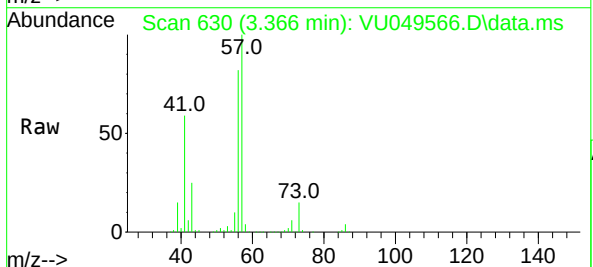
Instrument :
MSVOA_U
ClientSampleId :
MW-24R

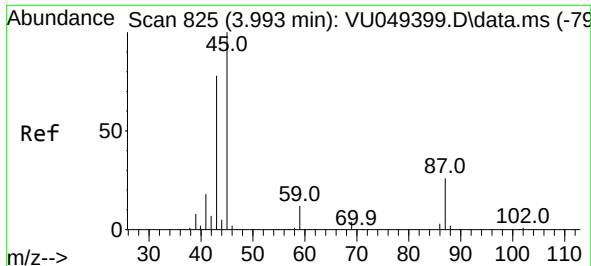
Tgt Ion:168 Resp: 240498
Ion Ratio Lower Upper
168 100
99 59.1 39.3 58.9#



#19
Methyl tert-butyl Ether
Concen: 7.291 ug/l
RT: 3.366 min Scan# 630
Delta R.T. 0.000 min
Lab File: VU049566.D
Acq: 30 Jun 2022 16:20

Tgt Ion: 73 Resp: 70837
Ion Ratio Lower Upper
73 100
57 664.6 17.1 25.7#

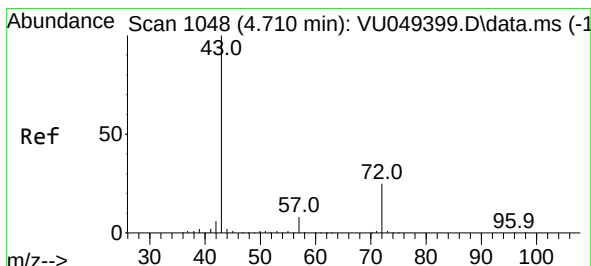
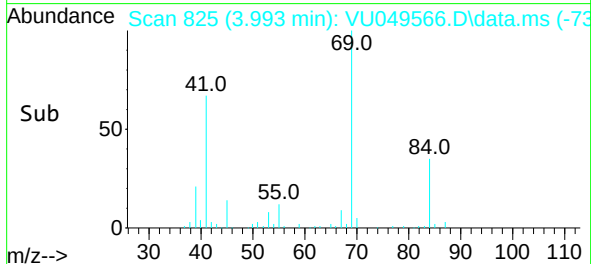
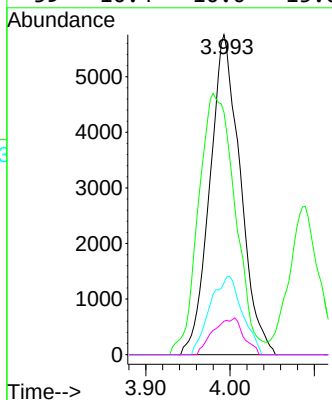
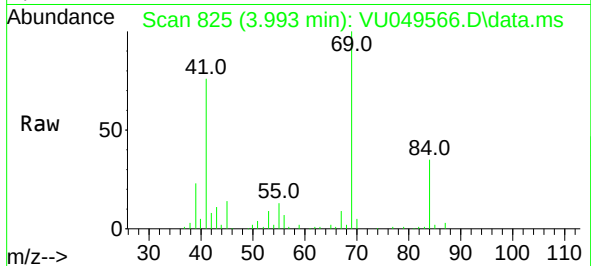




#22
Diisopropyl ether
Concen: 1.433 ug/l
RT: 3.993 min Scan# 81
Delta R.T. 0.000 min
Lab File: VU049566.D
Acq: 30 Jun 2022 16:20

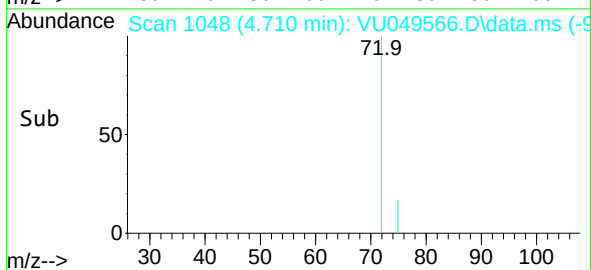
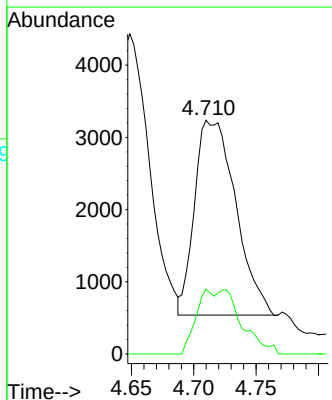
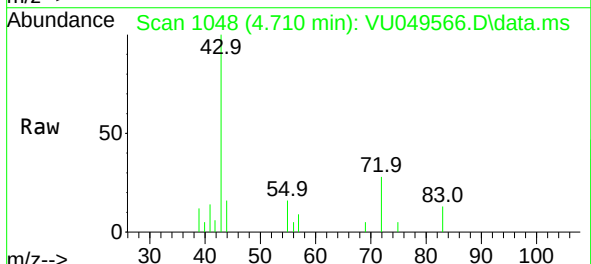
Instrument :
MSVOA_U
ClientSampleId :
MW-24R

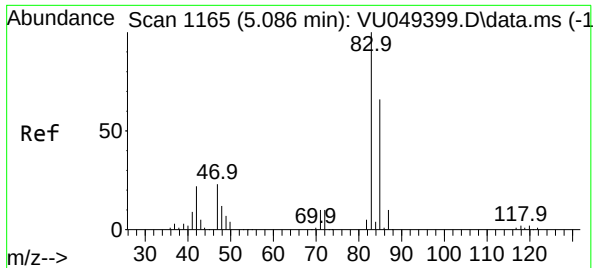
Tgt Ion:	45	Resp:	14446
Ion	Ratio	Lower	Upper
45	100		
43	71.5	92.9	139.3#
87	22.4	26.2	39.2#
59	10.4	10.0	15.0



#25
2-Butanone
Concen: 2.203 ug/l
RT: 4.710 min Scan# 1048
Delta R.T. 0.000 min
Lab File: VU049566.D
Acq: 30 Jun 2022 16:20

Tgt Ion:	43	Resp:	6166
Ion	Ratio	Lower	Upper
43	100		
72	33.2	23.8	35.6

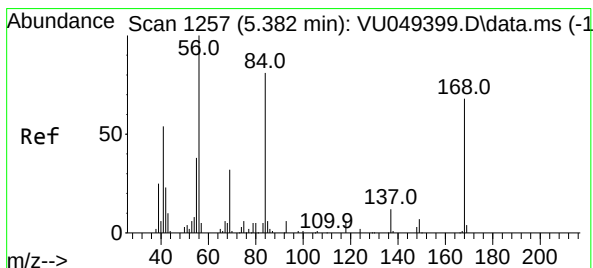
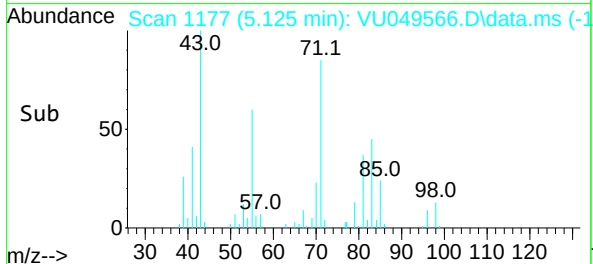
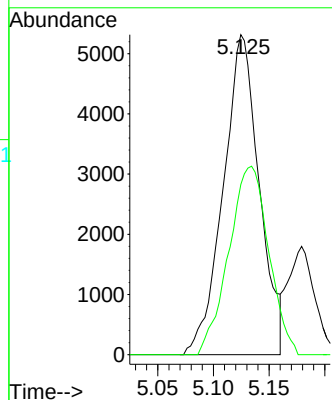
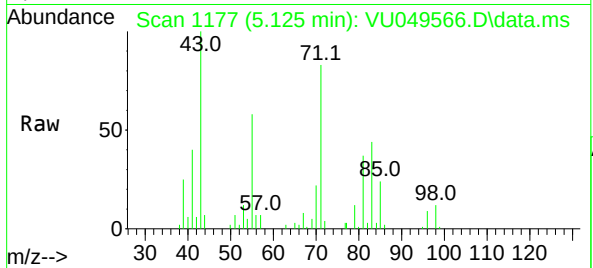




#30
Chloroform
Concen: 2.091 ug/l
RT: 5.125 min Scan# 1165
Delta R.T. 0.039 min
Lab File: VU049566.D
Acq: 30 Jun 2022 16:20

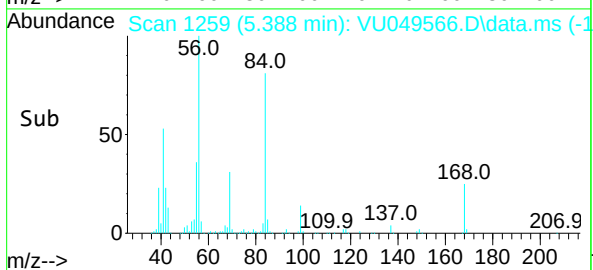
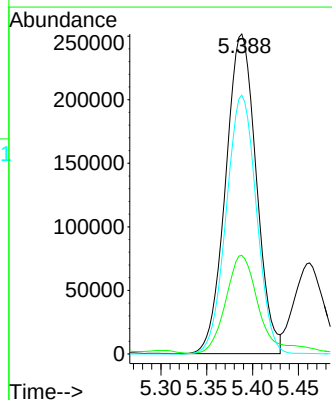
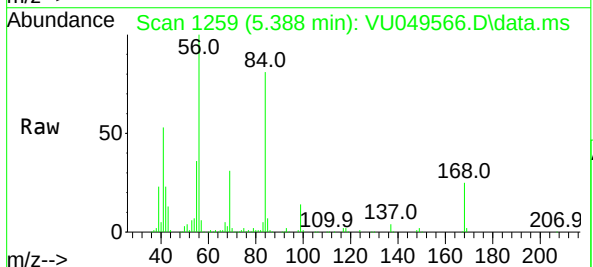
Instrument :
MSVOA_U
ClientSampleId :
MW-24R

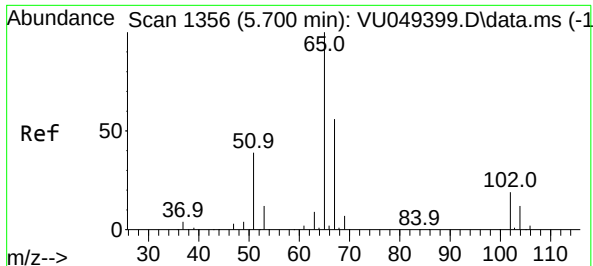
Tgt Ion: 83 Resp: 11977
Ion Ratio Lower Upper
83 100
85 53.2 51.2 76.8



#31
Cyclohexane
Concen: 104.963 ug/l
RT: 5.388 min Scan# 1259
Delta R.T. 0.007 min
Lab File: VU049566.D
Acq: 30 Jun 2022 16:20

Tgt Ion: 56 Resp: 583740
Ion Ratio Lower Upper
56 100
69 30.4 27.8 41.8
84 80.9 74.2 111.4





#33

1,2-Dichloroethane-d4

Concen: 45.413 ug/l

RT: 5.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049566.D

Acq: 30 Jun 2022 16:20

Instrument :

MSVOA_U

ClientSampleId :

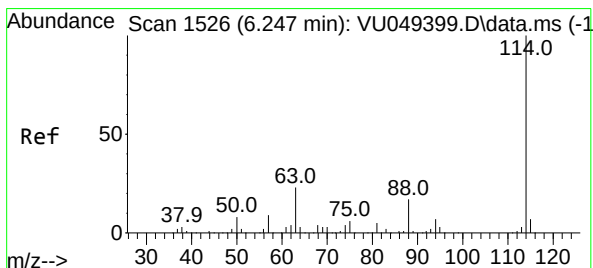
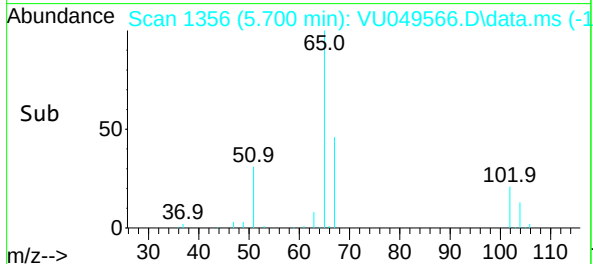
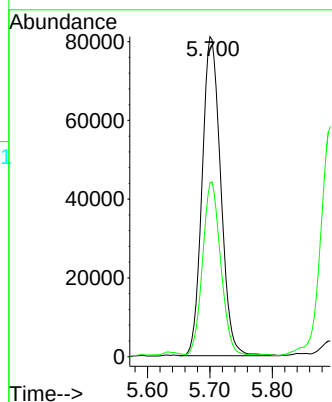
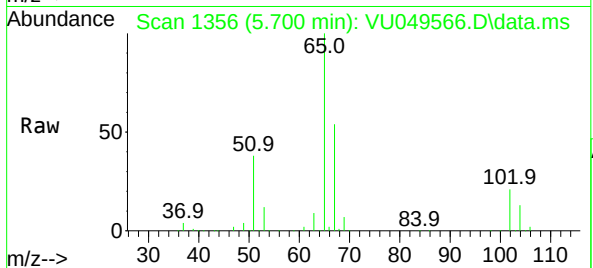
MW-24R

Tgt Ion: 65 Resp: 168202

Ion Ratio Lower Upper

65 100

67 52.1 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. 0.003 min

Lab File: VU049566.D

Acq: 30 Jun 2022 16:20

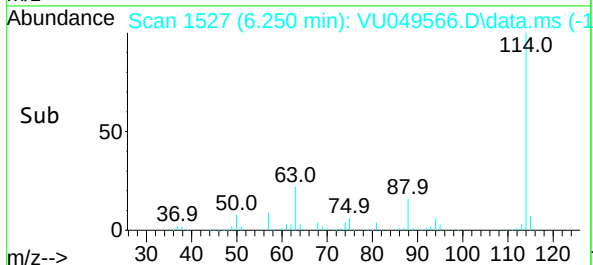
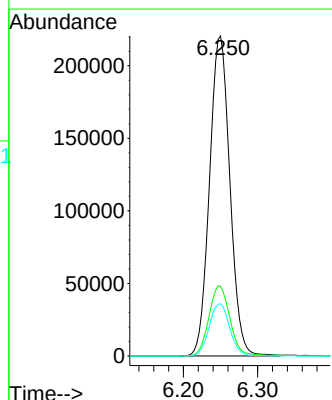
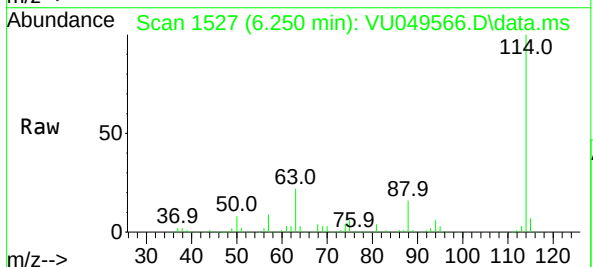
Tgt Ion: 114 Resp: 419823

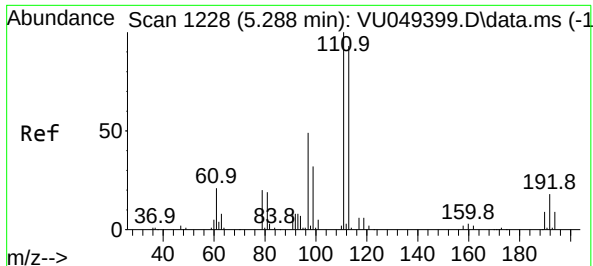
Ion Ratio Lower Upper

114 100

63 21.8 0.0 37.8

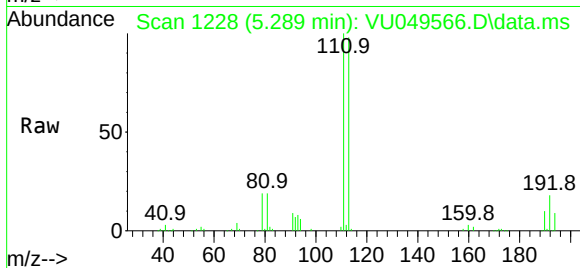
88 16.3 0.0 29.2



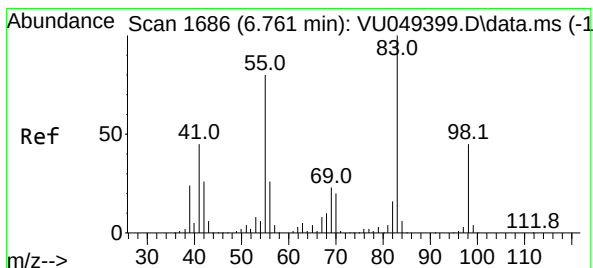
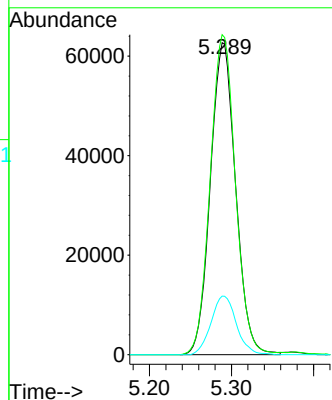
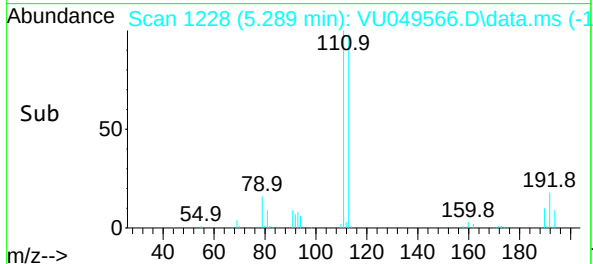


#35
Dibromofluoromethane
Concen: 45.649 ug/l
RT: 5.289 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049566.D
Acq: 30 Jun 2022 16:20

Instrument :
MSVOA_U
ClientSampleId :
MW-24R

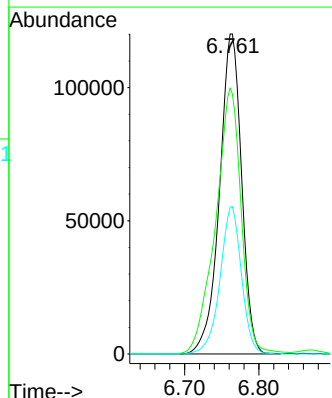
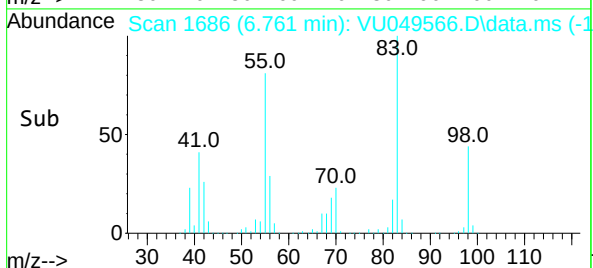
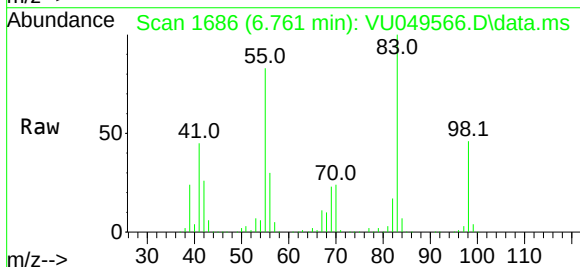


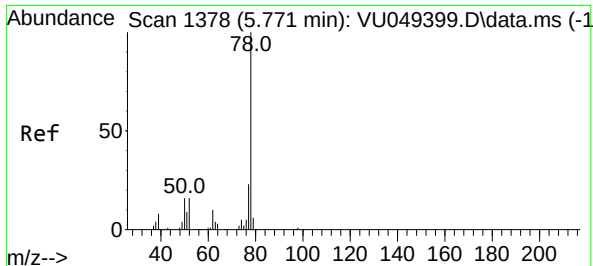
Tgt Ion:113 Resp: 134081
Ion Ratio Lower Upper
113 100
111 102.6 82.1 123.1
192 18.9 18.0 27.0



#39
Methylcyclohexane
Concen: 48.645 ug/l
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU049566.D
Acq: 30 Jun 2022 16:20

Tgt Ion: 83 Resp: 248328
Ion Ratio Lower Upper
83 100
55 82.8 55.3 82.9
98 45.9 37.3 55.9

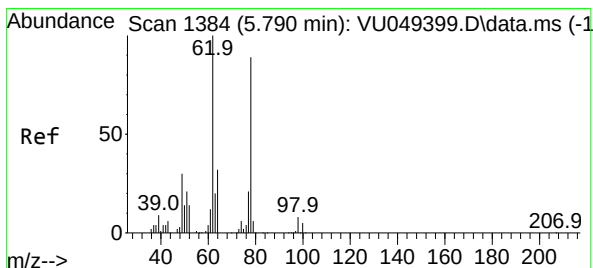
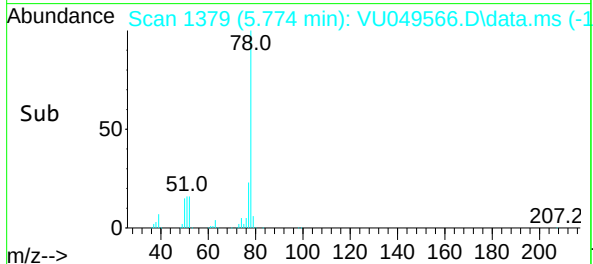
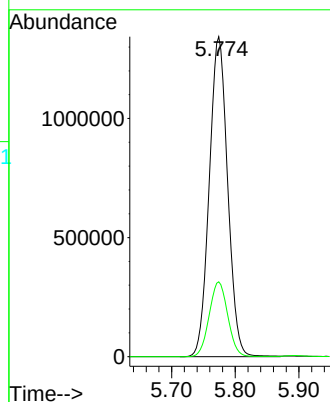
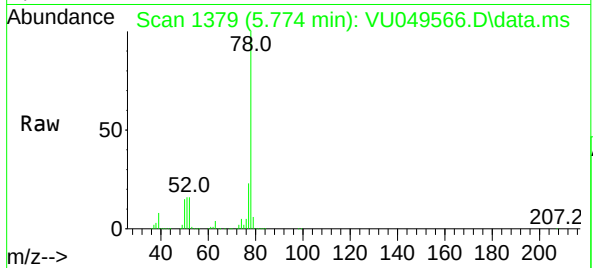




#40
Benzene
Concen: 209.214 ug/l
RT: 5.774 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU049566.D
Acq: 30 Jun 2022 16:20

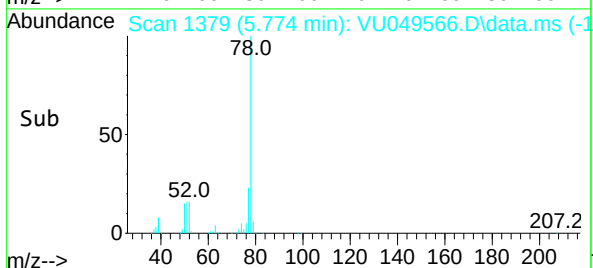
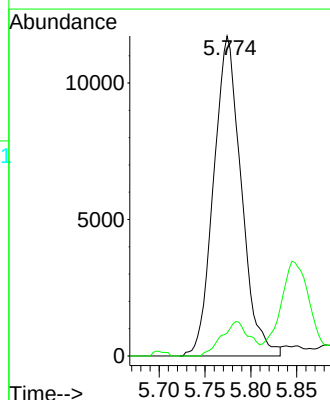
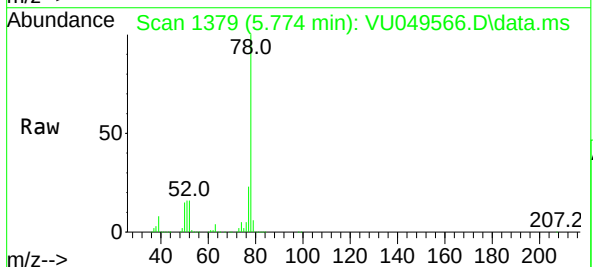
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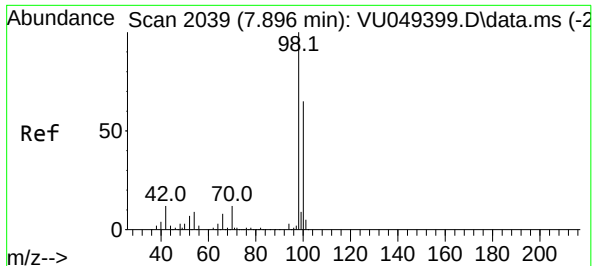
Tgt Ion: 78 Resp: 2690104
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2



#42
1,2-Dichloroethane
Concen: 5.139 ug/l
RT: 5.774 min Scan# 1379
Delta R.T. -0.016 min
Lab File: VU049566.D
Acq: 30 Jun 2022 16:20

Tgt Ion: 62 Resp: 24592
Ion Ratio Lower Upper
62 100
98 10.8 0.0 18.6

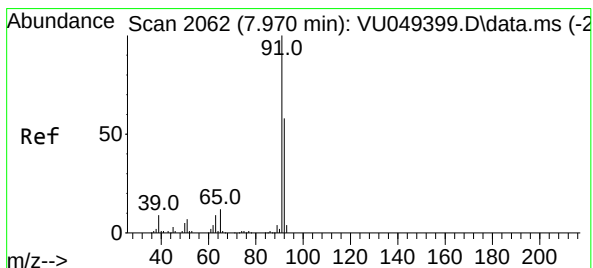
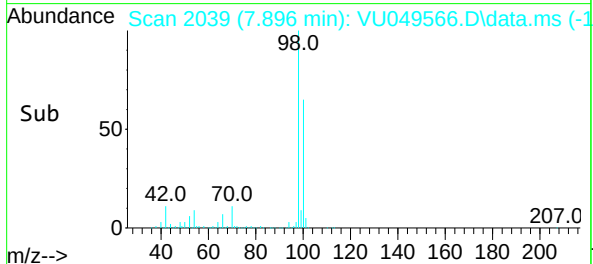
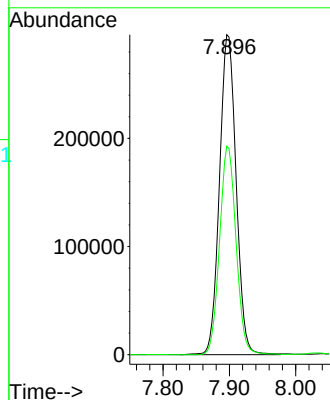
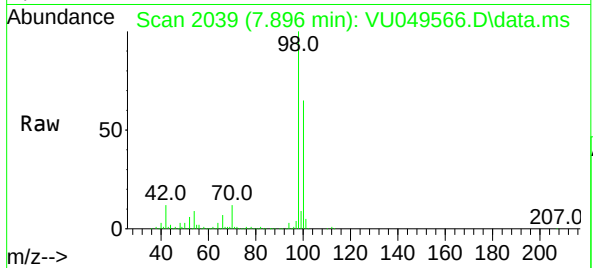




#50
Toluene-d8
Concen: 49.146 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049566.D
Acq: 30 Jun 2022 16:20

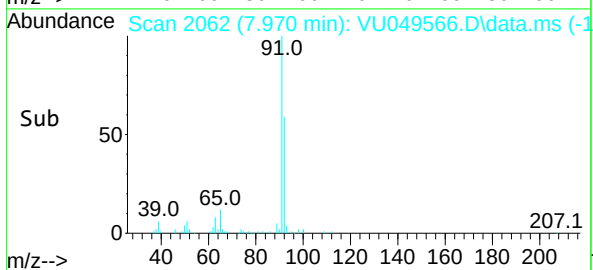
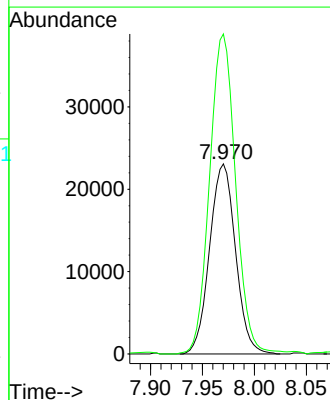
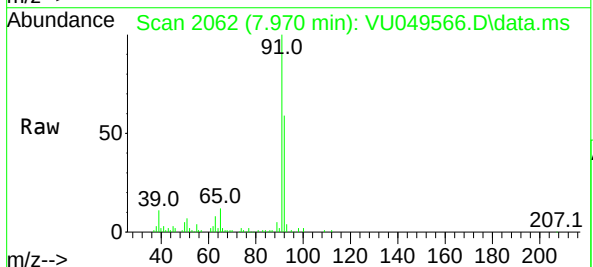
Instrument :
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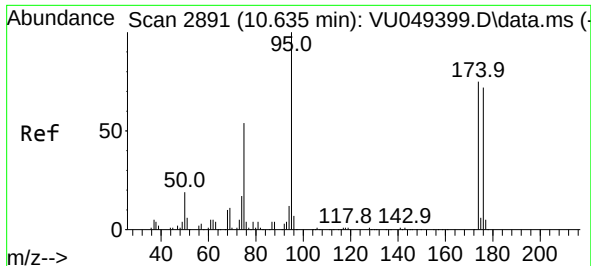
Tgt Ion: 98 Resp: 514860
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5



#52
Toluene
Concen: 5.241 ug/l
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU049566.D
Acq: 30 Jun 2022 16:20

Tgt Ion: 92 Resp: 40050
Ion Ratio Lower Upper
92 100
91 168.9 138.2 207.4

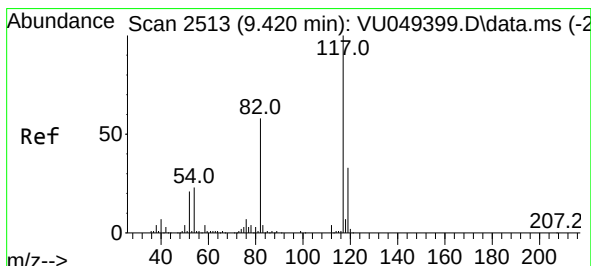
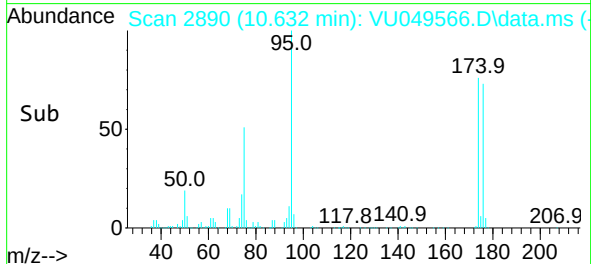
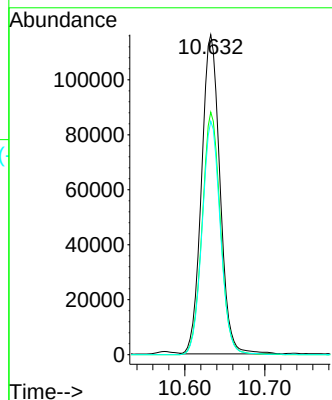
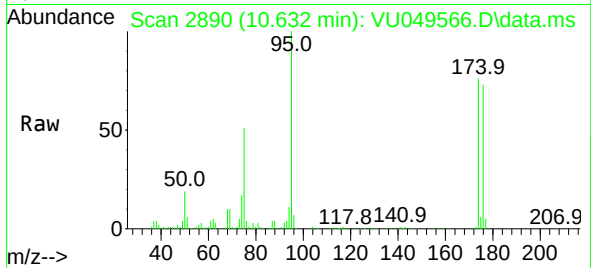




#62
4-Bromofluorobenzene
Concen: 46.531 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049566.D
Acq: 30 Jun 2022 16:20

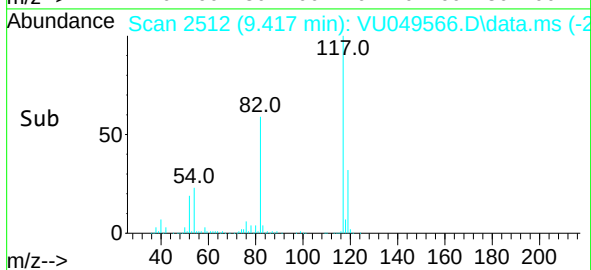
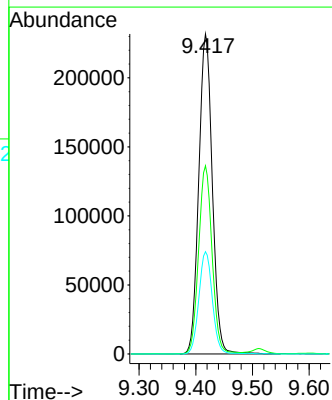
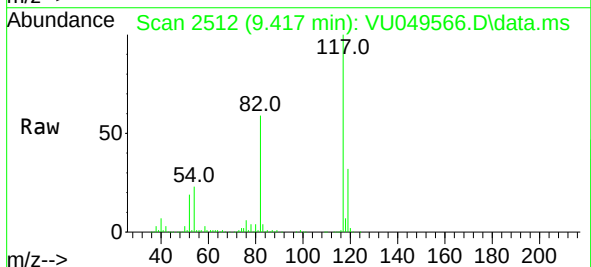
Instrument :
MSVOA_U
ClientSampleId :
MW-24R

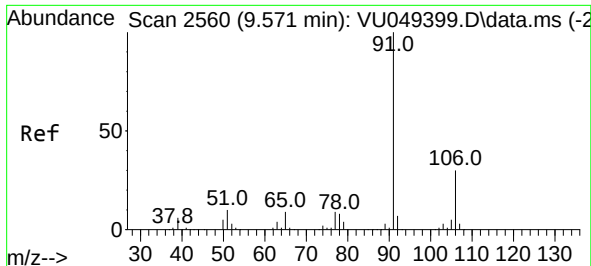
Tgt Ion: 95 Resp: 186733
Ion Ratio Lower Upper
95 100
174 75.3 0.0 182.0
176 72.4 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049566.D
Acq: 30 Jun 2022 16:20

Tgt Ion: 117 Resp: 384576
Ion Ratio Lower Upper
117 100
82 58.7 41.7 62.5
119 31.9 25.7 38.5





#67

Ethyl Benzene

Concen: 18.638 ug/l

RT: 9.568 min Scan# 2559

Delta R.T. -0.003 min

Lab File: VU049566.D

Acq: 30 Jun 2022 16:20

Instrument :

MSVOA_U

ClientSampleId :

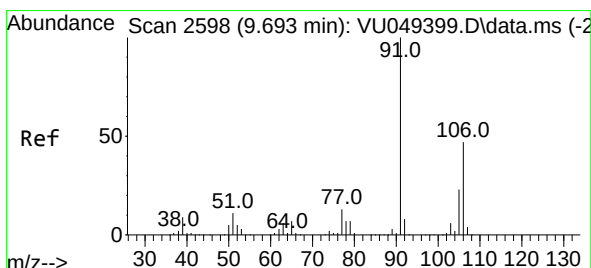
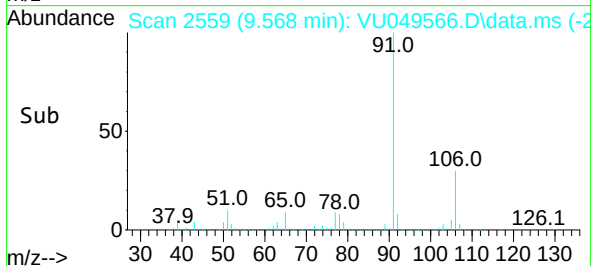
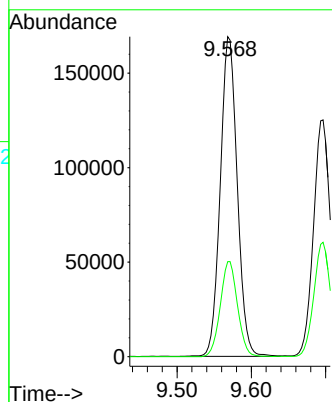
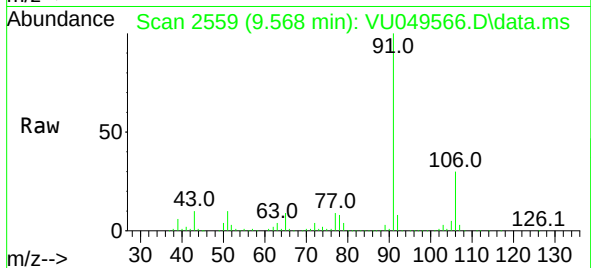
MW-24R

Tgt Ion: 91 Resp: 269015

Ion Ratio Lower Upper

91 100

106 29.7 25.6 38.4



#68

m/p-Xylenes

Concen: 18.120 ug/l

RT: 9.697 min Scan# 2599

Delta R.T. 0.003 min

Lab File: VU049566.D

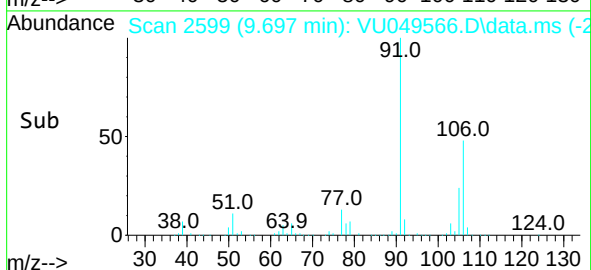
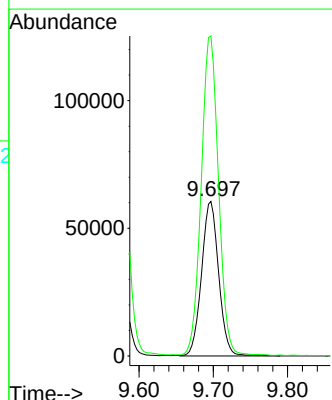
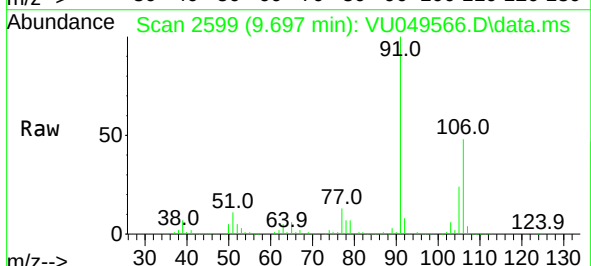
Acq: 30 Jun 2022 16:20

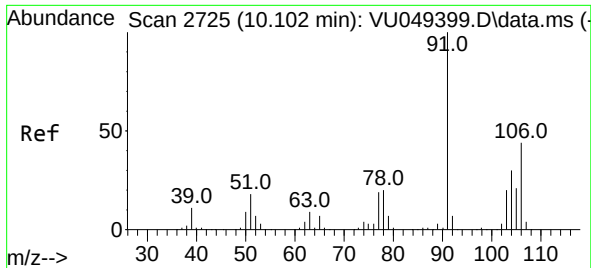
Tgt Ion: 106 Resp: 96771

Ion Ratio Lower Upper

106 100

91 208.9 157.2 235.8

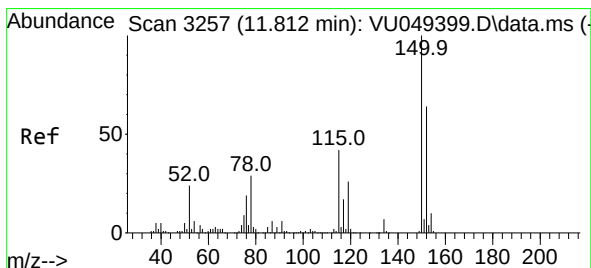
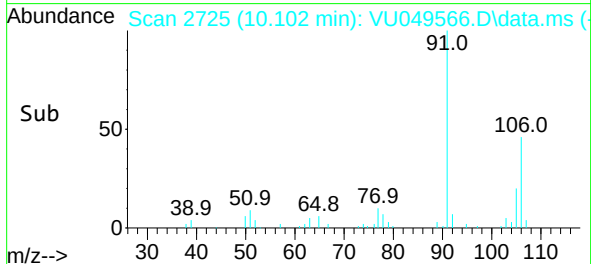
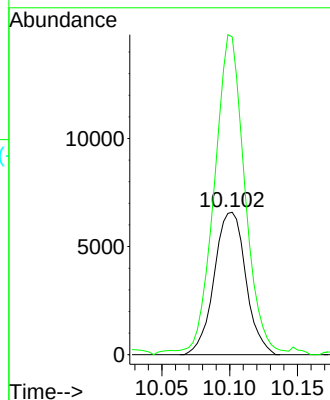
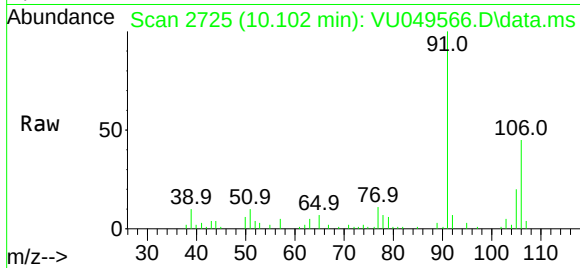




#69
o-Xylene
Concen: 2.015 ug/l
RT: 10.102 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049566.D
Acq: 30 Jun 2022 16:20

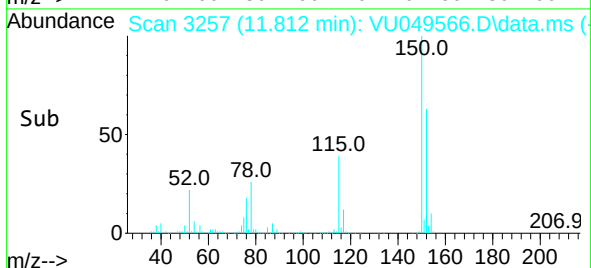
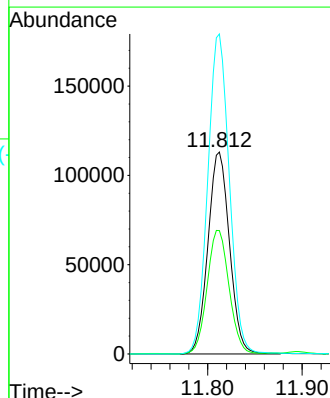
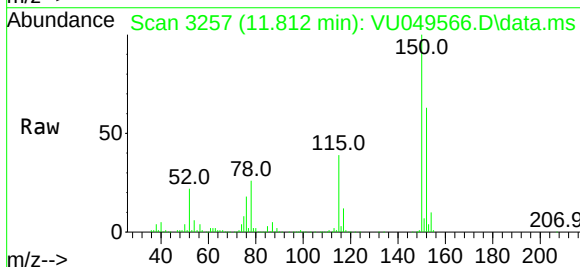
Instrument :
MSVOA_U
ClientSampleId :
MW-24R

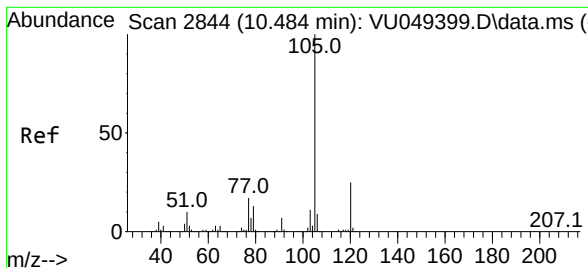
Tgt Ion:106 Resp: 10681
Ion Ratio Lower Upper
106 100
91 218.2 103.5 310.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VU049566.D
Acq: 30 Jun 2022 16:20

Tgt Ion:152 Resp: 179227
Ion Ratio Lower Upper
152 100
115 62.2 37.0 110.9
150 158.4 0.0 342.2





#73

Isopropylbenzene

Concen: 9.165 ug/l

RT: 10.484 min Scan# 2844

Delta R.T. 0.000 min

Lab File: VU049566.D

Acq: 30 Jun 2022 16:20

Instrument :

MSVOA_U

ClientSampleId :

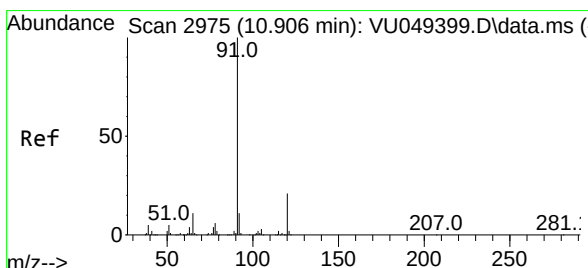
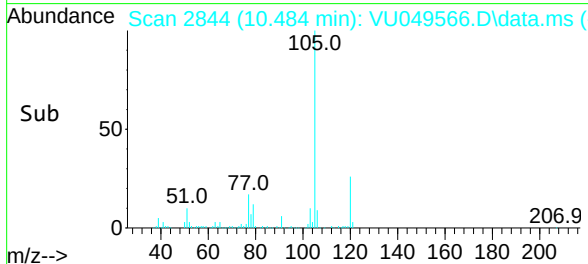
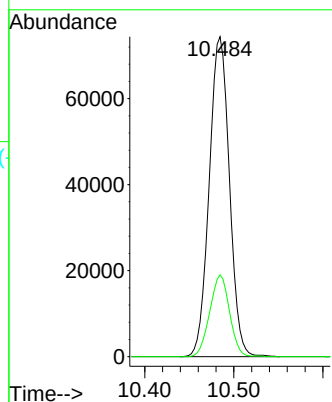
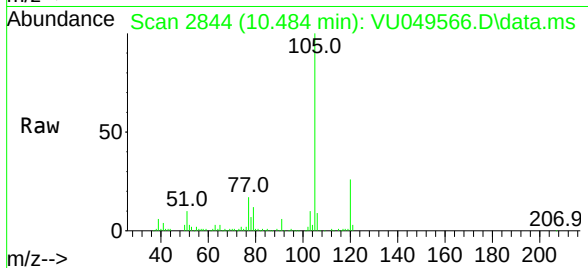
MW-24R

Tgt Ion:105 Resp: 117017

Ion Ratio Lower Upper

105 100

120 25.0 13.8 41.4



#78

n-propylbenzene

Concen: 10.958 ug/l

RT: 10.906 min Scan# 2975

Delta R.T. 0.000 min

Lab File: VU049566.D

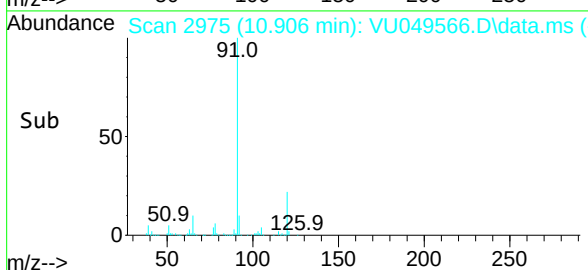
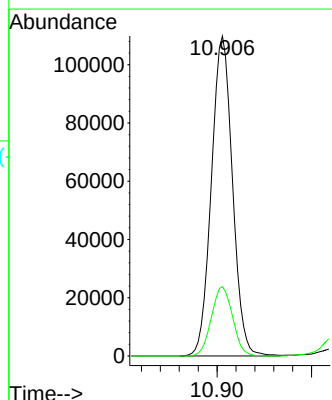
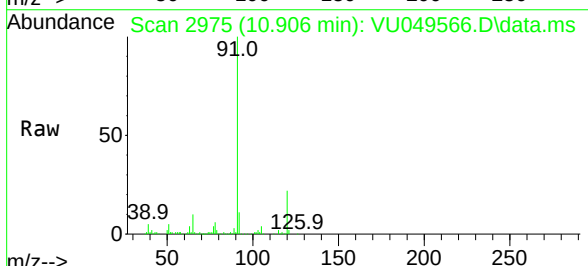
Acq: 30 Jun 2022 16:20

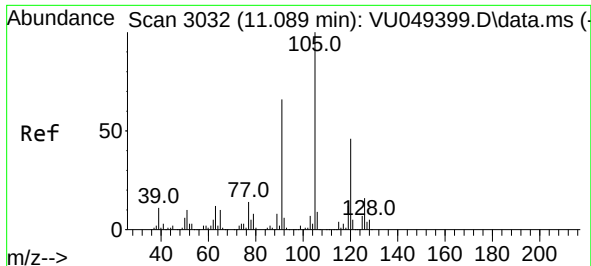
Tgt Ion: 91 Resp: 170001

Ion Ratio Lower Upper

91 100

120 21.7 11.9 35.5

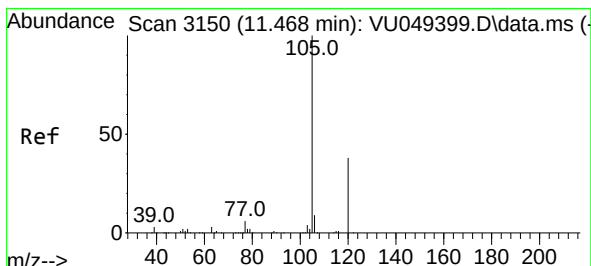
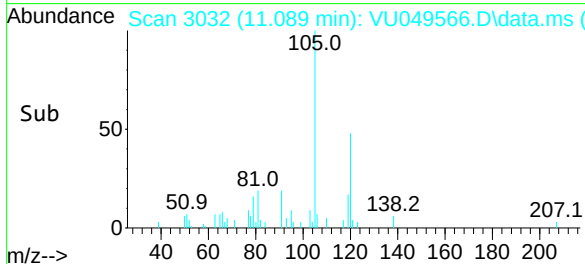
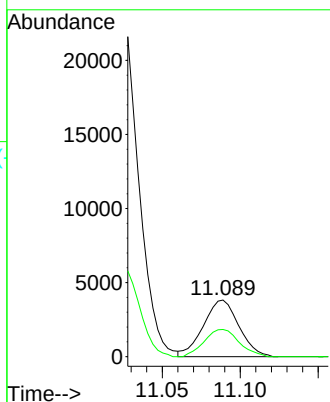
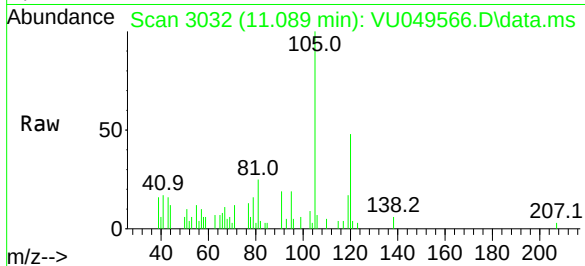




#80
 1,3,5-Trimethylbenzene
 Concen: 0.543 ug/l
 RT: 11.089 min Scan# 3032
 Delta R.T. 0.000 min
 Lab File: VU049566.D
 Acq: 30 Jun 2022 16:20

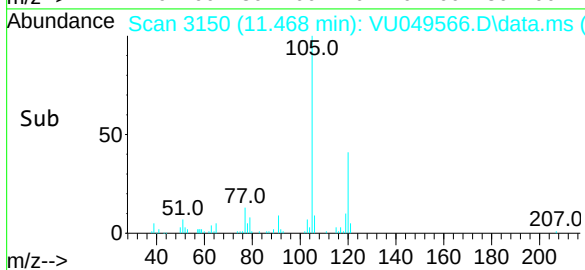
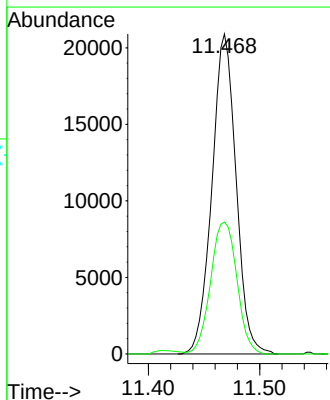
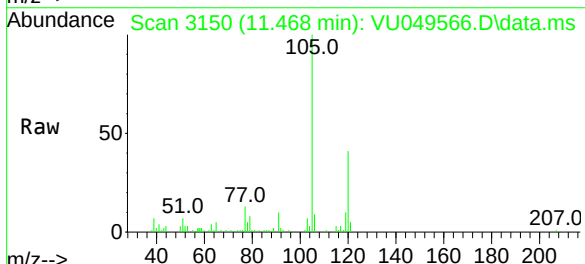
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-24R

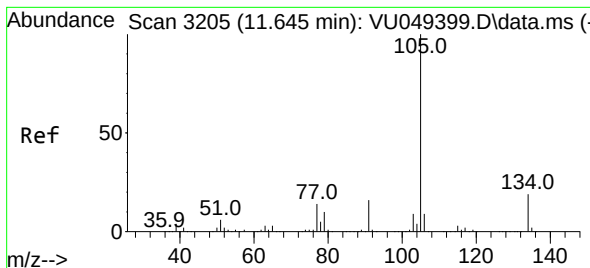
Tgt Ion:105 Resp: 6047
 Ion Ratio Lower Upper
 105 100
 120 47.3 25.3 75.9



#84
 1,2,4-Trimethylbenzene
 Concen: 2.875 ug/l
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU049566.D
 Acq: 30 Jun 2022 16:20

Tgt Ion:105 Resp: 31482
 Ion Ratio Lower Upper
 105 100
 120 44.9 23.4 70.3





#85

sec-Butylbenzene

Concen: 0.585 ug/l

RT: 11.645 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU049566.D

Acq: 30 Jun 2022 16:20

Instrument :

MSVOA_U

ClientSampleId :

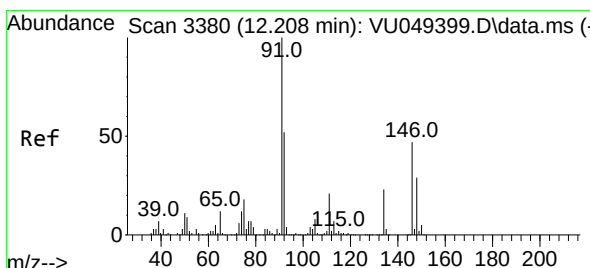
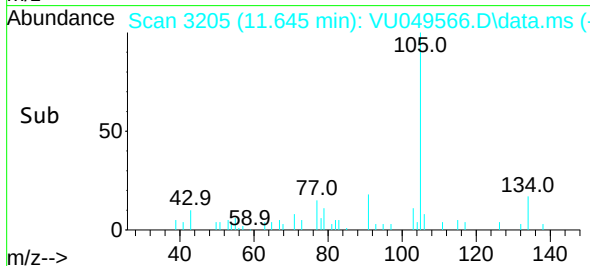
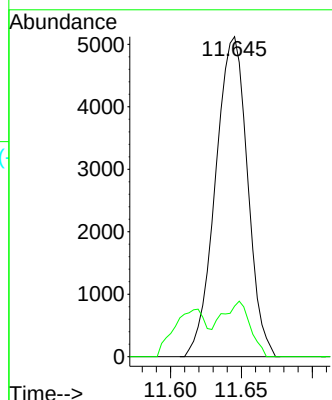
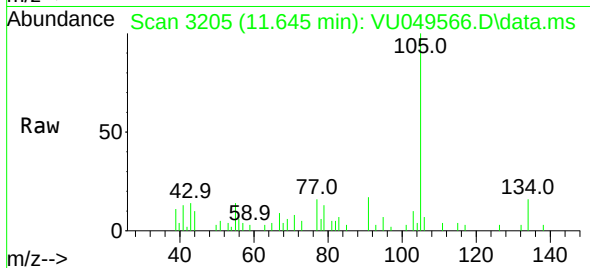
MW-24R

Tgt Ion:105 Resp: 8062

Ion Ratio Lower Upper

105 100

134 15.5 10.4 31.1



#89

n-Butylbenzene

Concen: 0.660 ug/l

RT: 12.211 min Scan# 3381

Delta R.T. 0.003 min

Lab File: VU049566.D

Acq: 30 Jun 2022 16:20

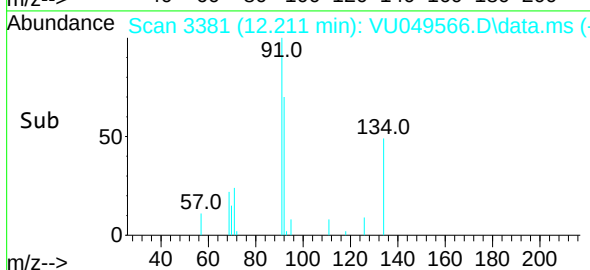
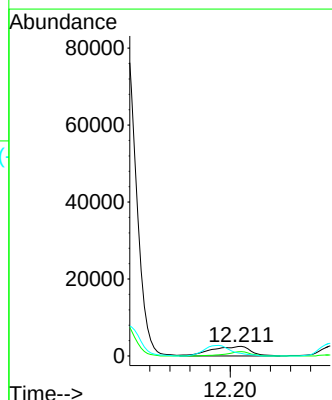
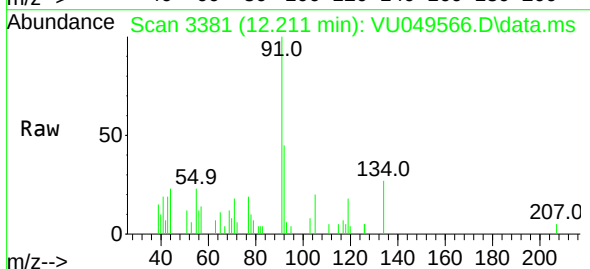
Tgt Ion: 91 Resp: 6809

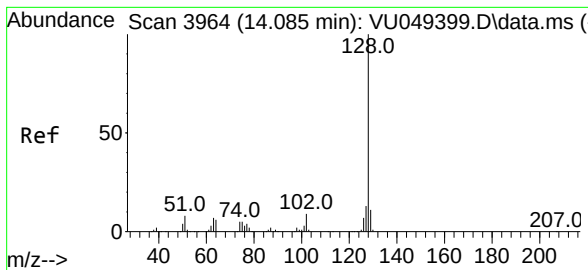
Ion Ratio Lower Upper

91 100

92 27.1 26.2 78.6

134 0.0 13.5 40.4#





#95

Naphthalene

Concen: 25.594 ug/l

RT: 14.086 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VU049566.D

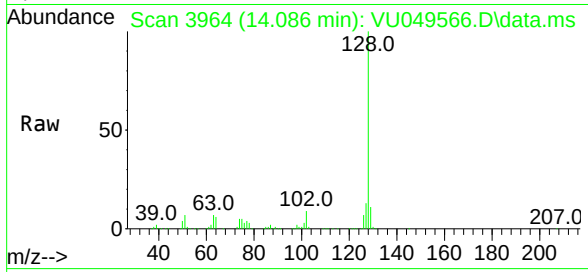
Acq: 30 Jun 2022 16:20

Instrument :

MSVOA_U

ClientSampleId :

MW-24R



Tgt Ion:128 Resp: 346807

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 11.1 8.6 13.0

