

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
 Data File : VU048937.D
 Acq On : 08 Jun 2022 02:37
 Operator : SY/MD
 Sample : N3166-24
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 19BR-20220601

Quant Time: Jun 08 09:15:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052622W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 27 06:42:31 2022
 Response via : Initial Calibration

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

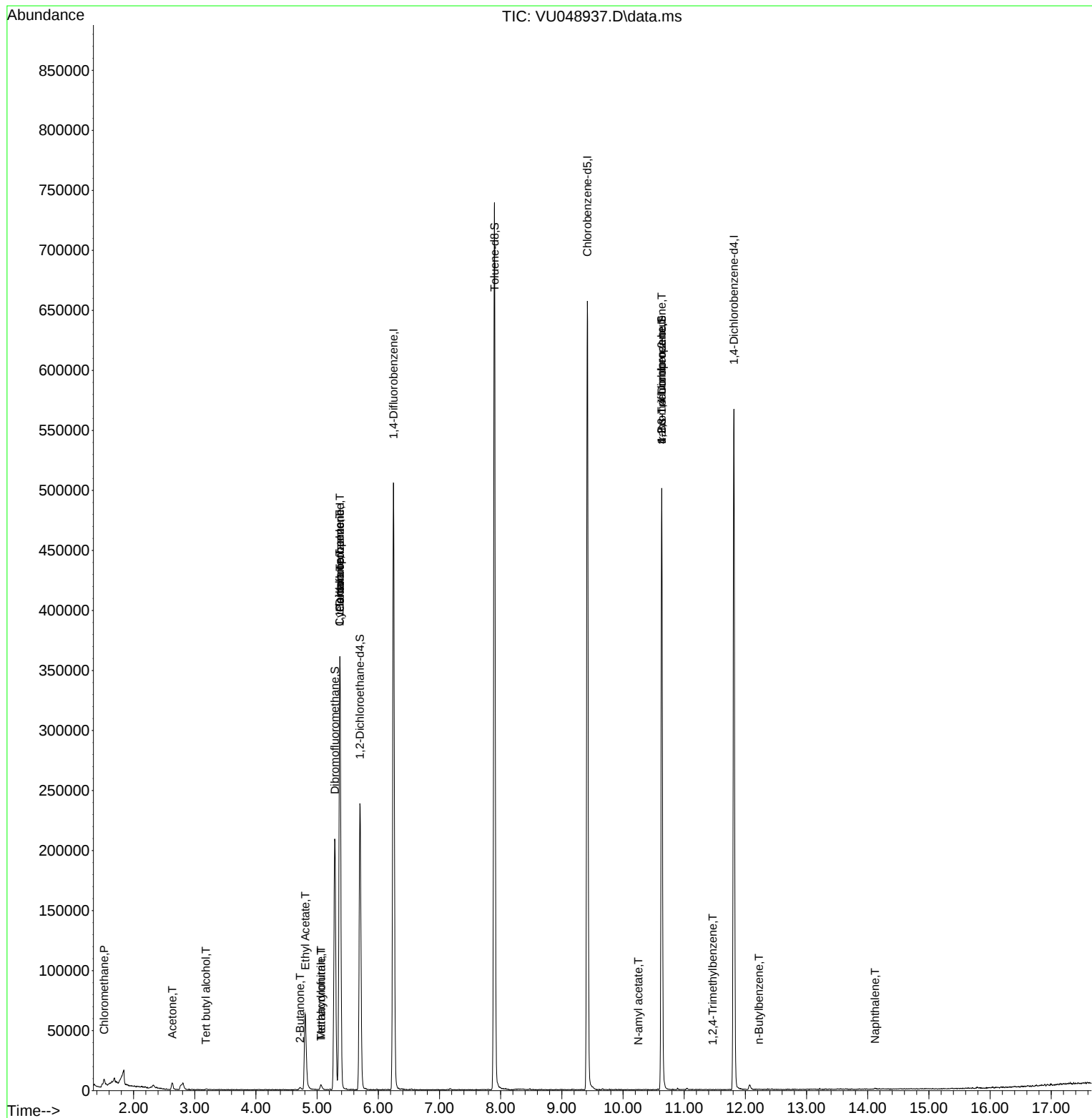
Internal Standards						
1) Pentafluorobenzene	5.372	168	242945	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	402701	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	358946	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	149371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	185735	50.906	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.820%
35) Dibromofluoromethane	5.288	113	137112	47.725	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.460%
50) Toluene-d8	7.899	98	492517	47.824	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.640%
62) 4-Bromofluorobenzene	10.632	95	162095	41.618	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	83.240%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1298	0.363	ug/l #	83
5) Bromomethane	1.842	94	234	Below Cal		90
6) Chloroethane	1.951	64	114	Below Cal	#	43
11) Tert butyl alcohol	3.182	59	618	0.668	ug/l #	28
13) Acrolein	2.485	56	44	Below Cal	#	14
16) Acetone	2.633	43	6489	3.490	ug/l	92
25) 2-Butanone	4.723	43	3389	1.269	ug/l	94
29) Tetrahydrofuran	5.067	42	2842	1.689	ug/l #	81
31) Cyclohexane	5.369	56	5091	1.107	ug/l #	1
36) 1,1-Dichloropropene	5.369	75	20064	4.785	ug/l #	50
37) Ethyl Acetate	4.806	43	85754	16.178	ug/l	98
38) Carbon Tetrachloride	5.372	117	24417	5.076	ug/l #	18
41) Methacrylonitrile	5.063	41	1754	0.655	ug/l #	36
74) N-amyl acetate	10.253	43	63	2.479	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	84798	17.607	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	84798	63.930	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.468	105	136	1.202	ug/l #	31
89) n-Butylbenzene	12.224	91	86	2.195	ug/l #	34
95) Naphthalene	14.118	128	807	2.598	ug/l #	69

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

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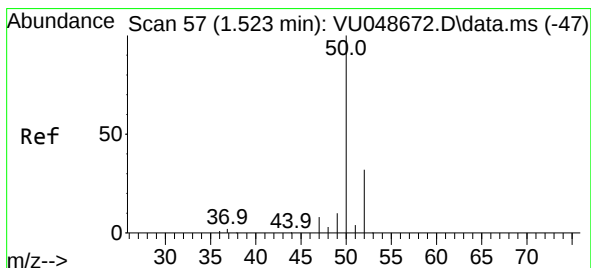
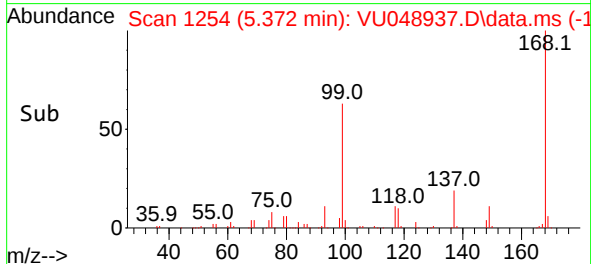
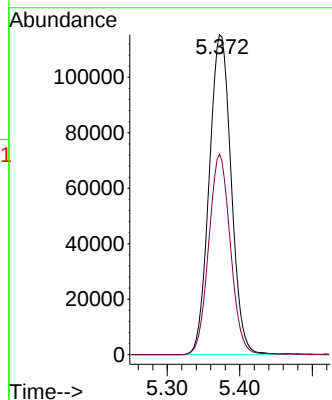
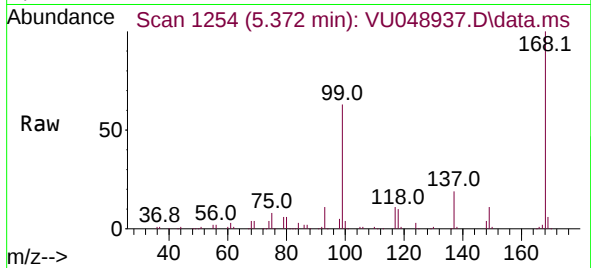




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048937.D
Acq: 08 Jun 2022 02:37

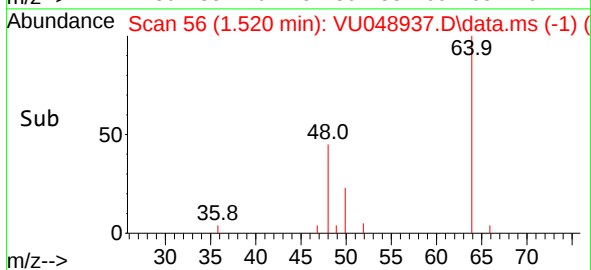
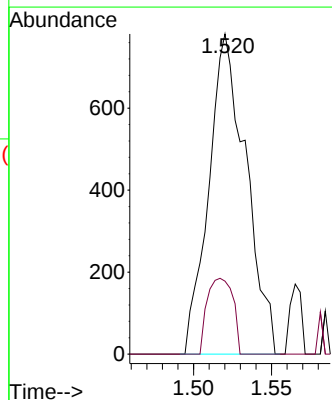
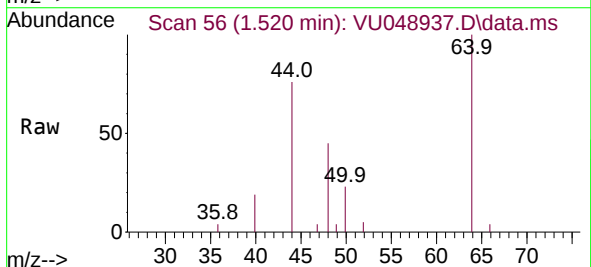
Instrument :
MSVOA_U
ClientSampleId :
19BR-20220601

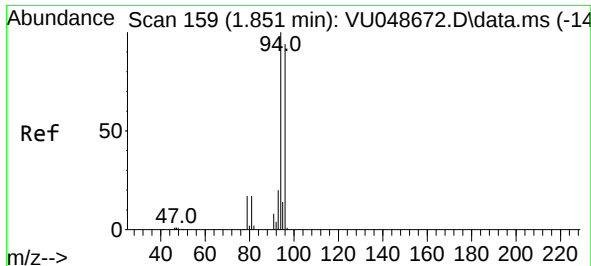
Tgt Ion:168 Resp: 242945
Ion Ratio Lower Upper
168 100
99 62.6 49.3 73.9



#3
Chloromethane
Concen: 0.363 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048937.D
Acq: 08 Jun 2022 02:37

Tgt Ion: 50 Resp: 1298
Ion Ratio Lower Upper
50 100
52 22.8 25.7 38.5#

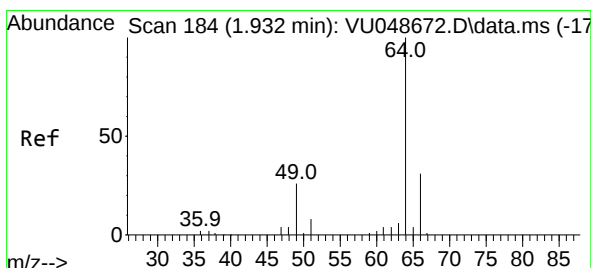
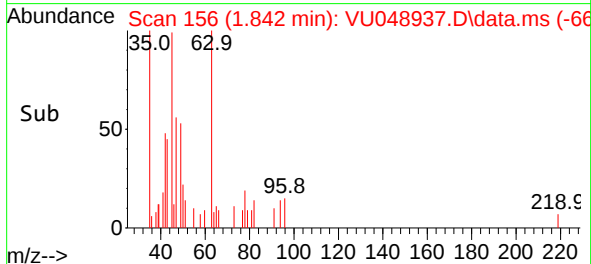
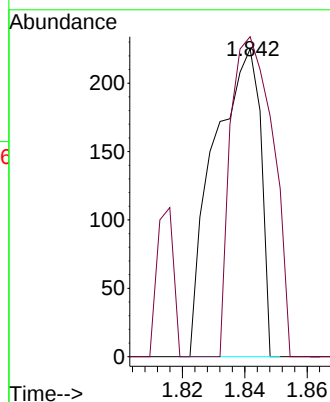
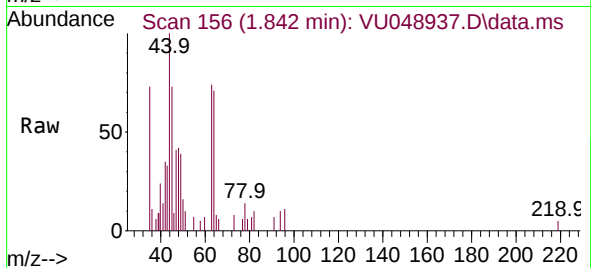




#5
Bromomethane
Concen: Below Cal
RT: 1.842 min Scan# 11
Delta R.T. -0.009 min
Lab File: VU048937.D
Acq: 08 Jun 2022 02:37

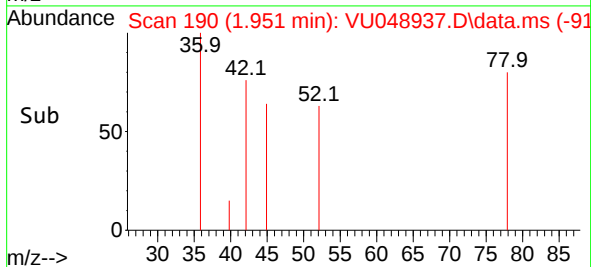
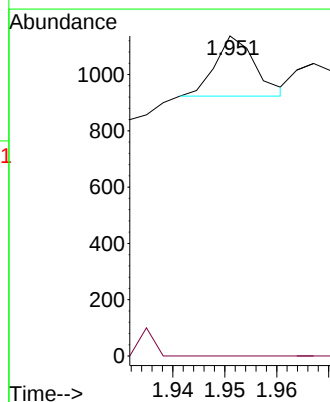
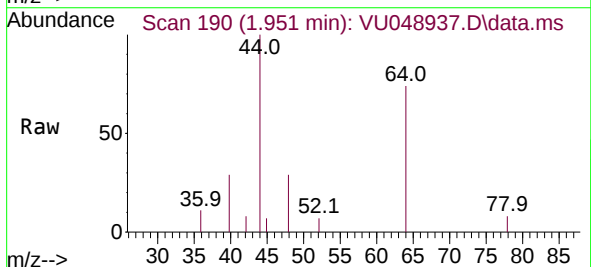
Instrument :
MSVOA_U
ClientSampleId :
19BR-20220601

Tgt Ion: 94 Resp: 234
Ion Ratio Lower Upper
94 100
96 104.0 75.1 112.7



#6
Chloroethane
Concen: Below Cal
RT: 1.951 min Scan# 190
Delta R.T. 0.019 min
Lab File: VU048937.D
Acq: 08 Jun 2022 02:37

Tgt Ion: 64 Resp: 114
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

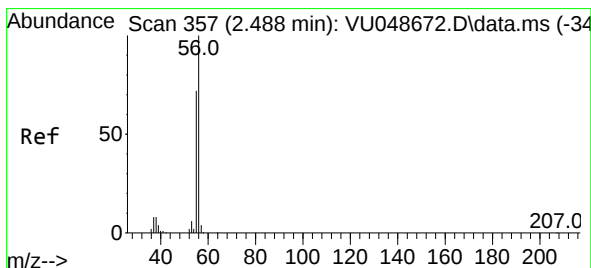
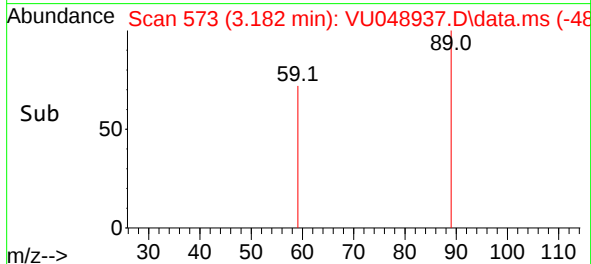
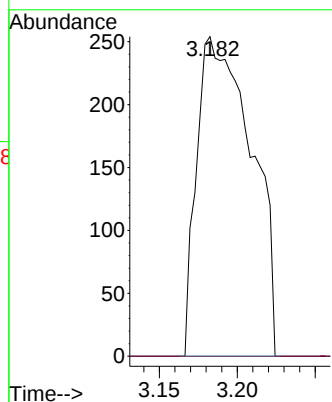
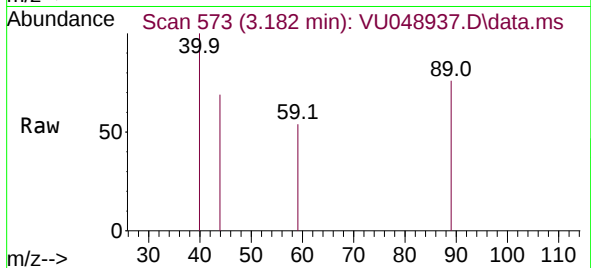




#11
Tert butyl alcohol
Concen: 0.668 ug/l
RT: 3.182 min Scan# 51
Delta R.T. -0.006 min
Lab File: VU048937.D
Acq: 08 Jun 2022 02:37

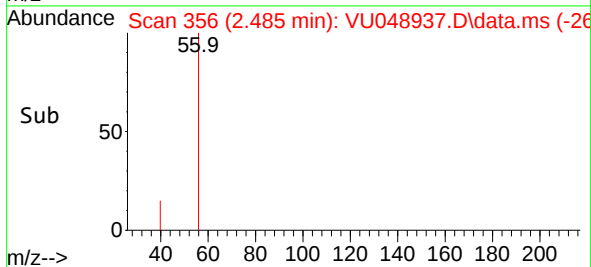
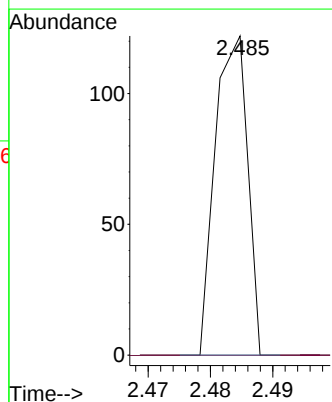
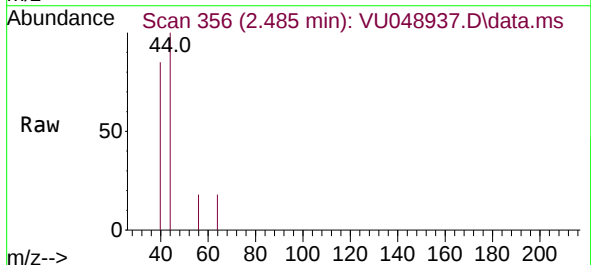
Instrument :
MSVOA_U
ClientSampleId :
19BR-20220601

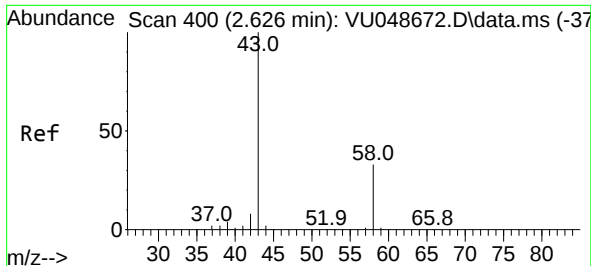
Tgt Ion: 59 Resp: 618
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.485 min Scan# 356
Delta R.T. -0.003 min
Lab File: VU048937.D
Acq: 08 Jun 2022 02:37

Tgt Ion: 56 Resp: 44
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#





#16

Acetone

Concen: 3.490 ug/l

RT: 2.633 min Scan# 40

Delta R.T. 0.006 min

Lab File: VU048937.D

Acq: 08 Jun 2022 02:37

Instrument :

MSVOA_U

ClientSampleId :

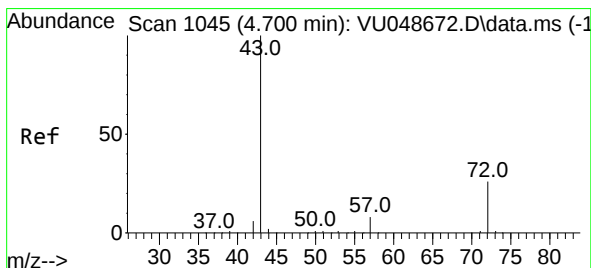
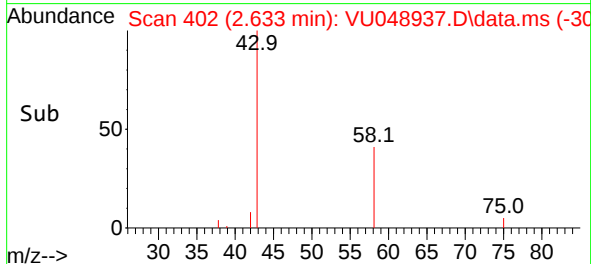
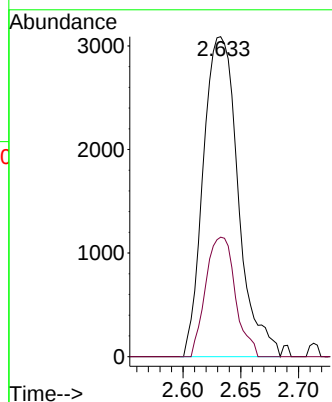
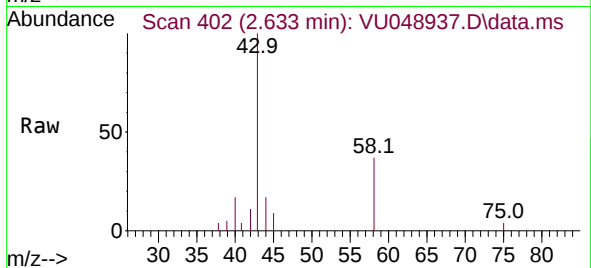
19BR-20220601

Tgt Ion: 43 Resp: 6489

Ion Ratio Lower Upper

43 100

58 37.3 26.3 39.5



#25

2-Butanone

Concen: 1.269 ug/l

RT: 4.723 min Scan# 1052

Delta R.T. 0.023 min

Lab File: VU048937.D

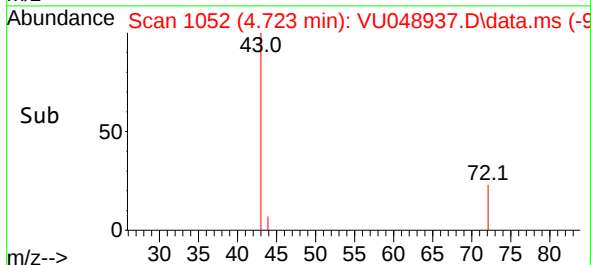
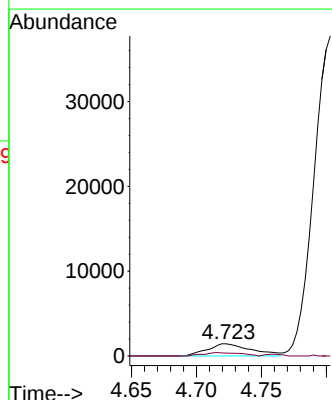
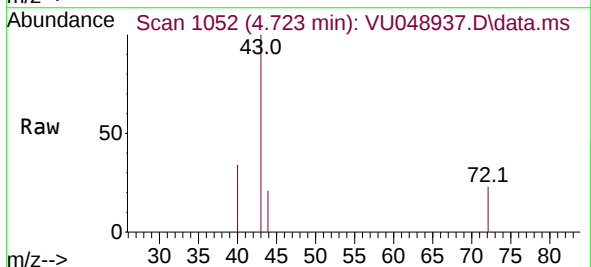
Acq: 08 Jun 2022 02:37

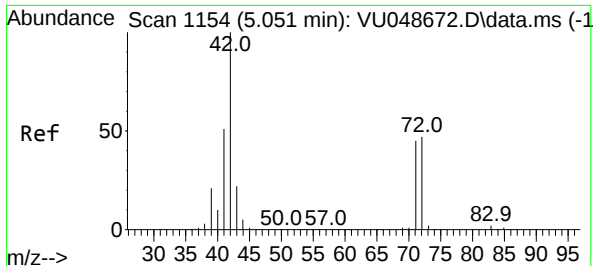
Tgt Ion: 43 Resp: 3389

Ion Ratio Lower Upper

43 100

72 23.3 21.1 31.7





#29

Tetrahydrofuran

Concen: 1.689 ug/l

RT: 5.067 min Scan# 1159

Delta R.T. 0.016 min

Lab File: VU048937.D

Acq: 08 Jun 2022 02:37

Instrument :

MSVOA_U

ClientSampleId :

19BR-20220601

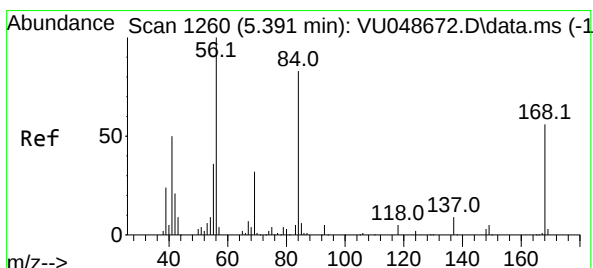
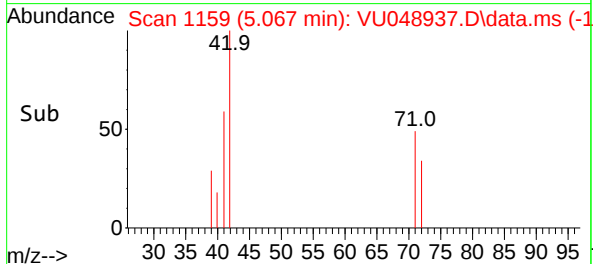
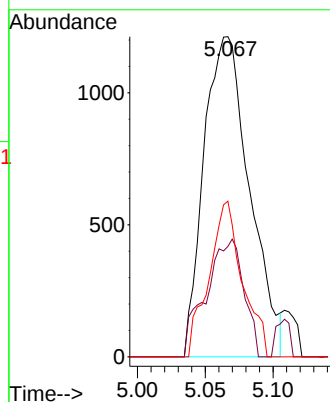
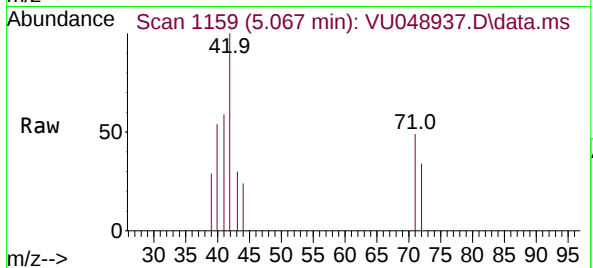
Tgt Ion: 42 Resp: 2842

Ion Ratio Lower Upper

42 100

72 30.4 37.6 56.4#

71 35.5 35.0 52.4



#31

Cyclohexane

Concen: 1.107 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.022 min

Lab File: VU048937.D

Acq: 08 Jun 2022 02:37

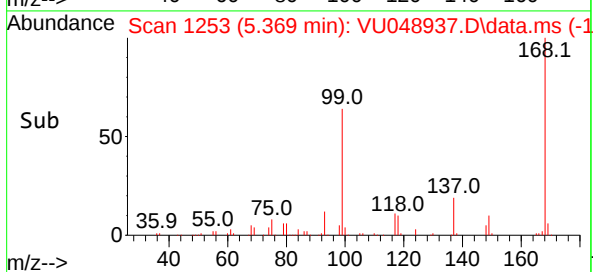
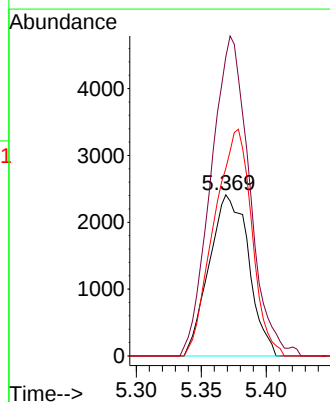
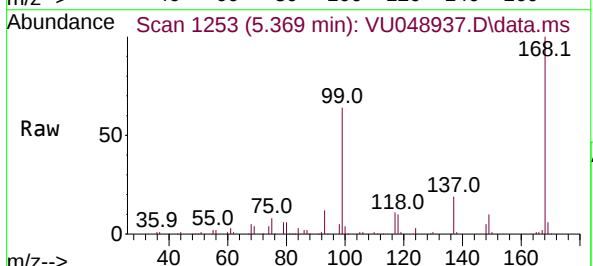
Tgt Ion: 56 Resp: 5091

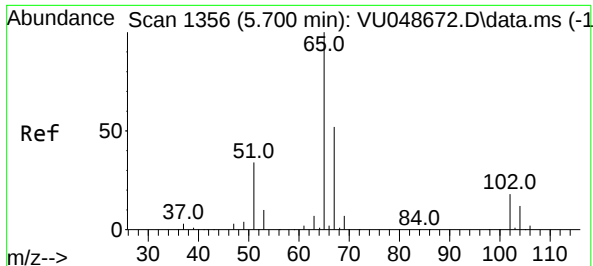
Ion Ratio Lower Upper

56 100

69 185.6 25.6 38.4#

84 116.3 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 50.906 ug/l

RT: 5.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU048937.D

Acq: 08 Jun 2022 02:37

Instrument :

MSVOA_U

ClientSampleId :

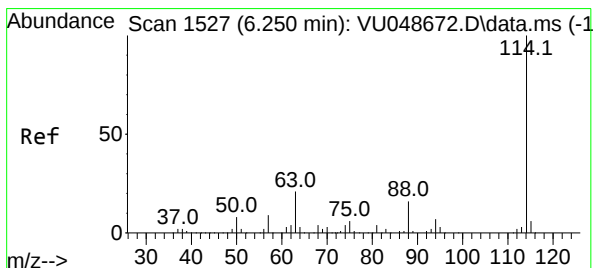
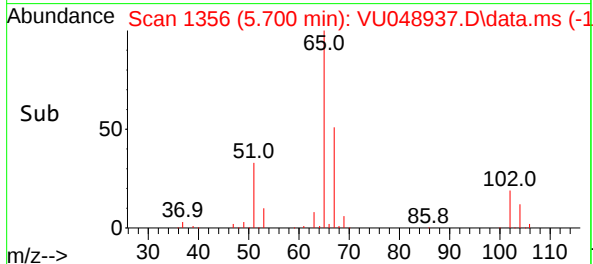
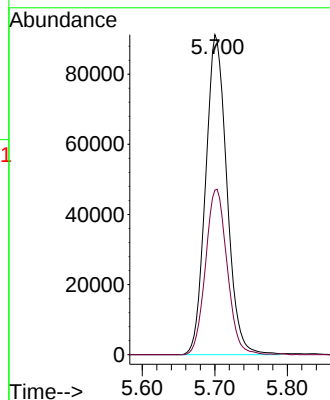
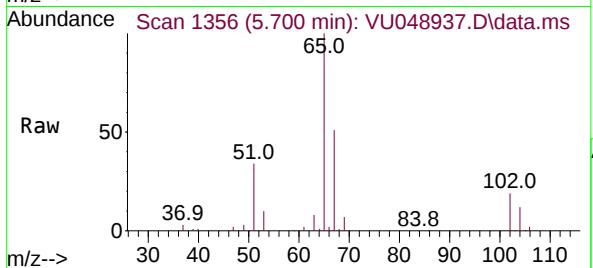
19BR-20220601

Tgt Ion: 65 Resp: 185735

Ion Ratio Lower Upper

65 100

67 52.6 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. -0.000 min

Lab File: VU048937.D

Acq: 08 Jun 2022 02:37

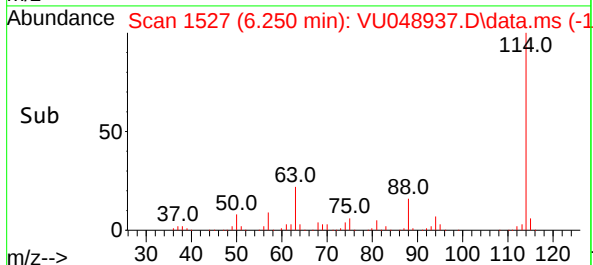
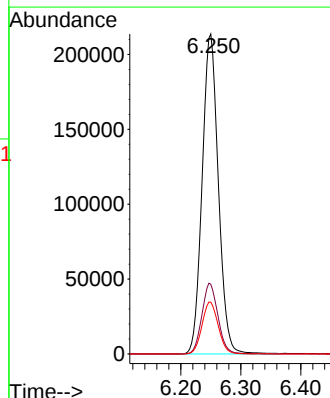
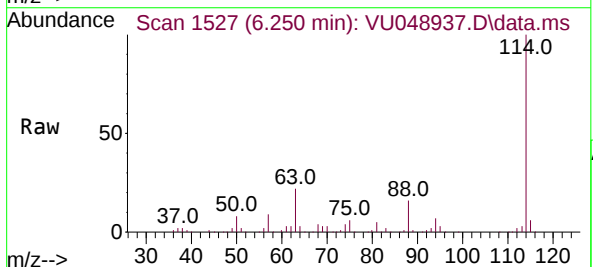
Tgt Ion:114 Resp: 402701

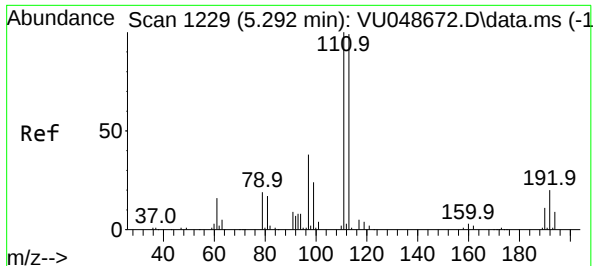
Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.6

88 16.2 0.0 32.2

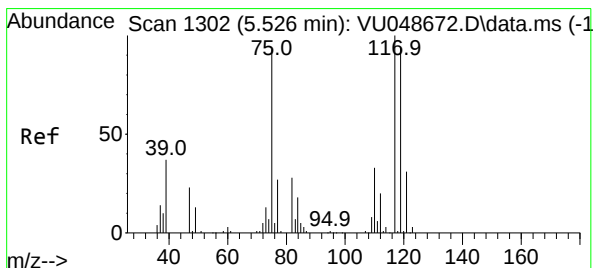
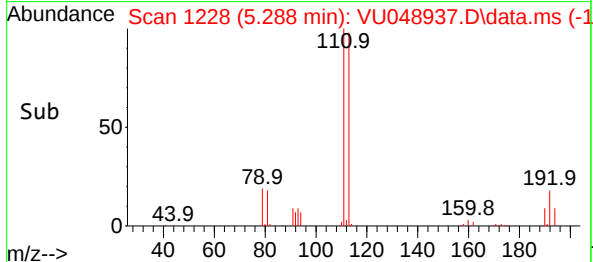
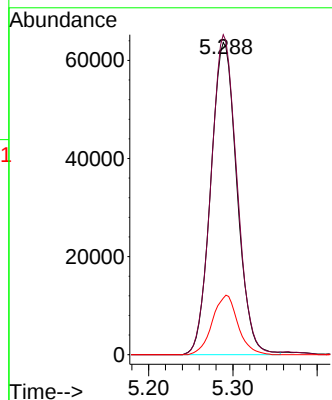
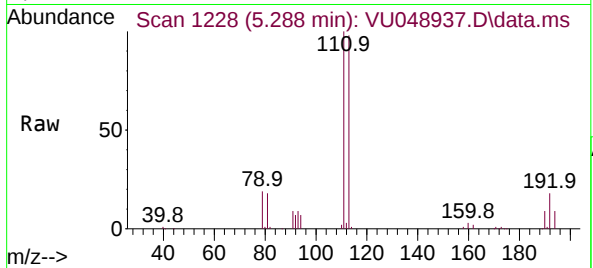




#35
Dibromofluoromethane
Concen: 47.725 ug/l
RT: 5.288 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048937.D
Acq: 08 Jun 2022 02:37

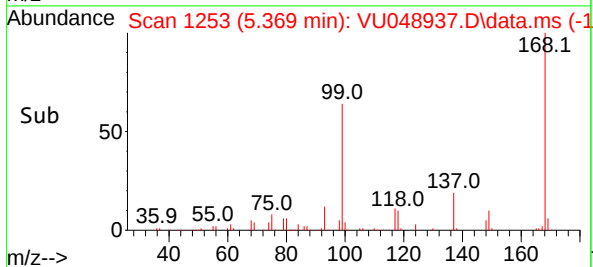
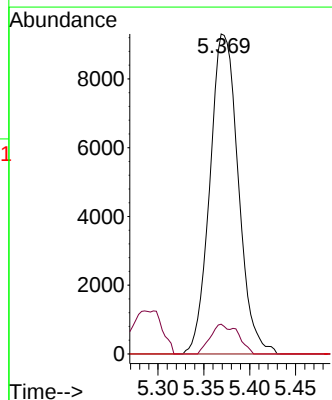
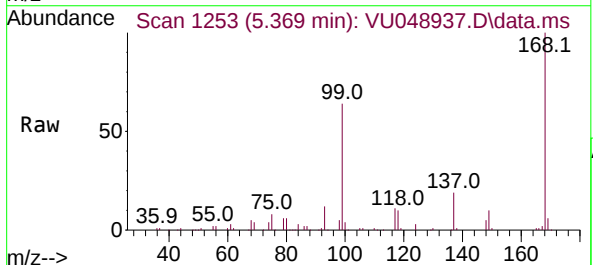
Instrument :
MSVOA_U
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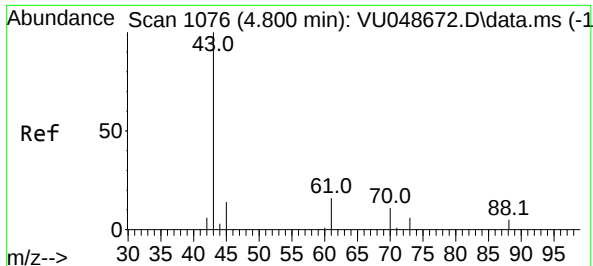
Tgt Ion:113 Resp: 137112
Ion Ratio Lower Upper
113 100
111 101.6 80.7 121.1
192 18.6 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.785 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.158 min
Lab File: VU048937.D
Acq: 08 Jun 2022 02:37

Tgt Ion: 75 Resp: 20064
Ion Ratio Lower Upper
75 100
110 9.0 17.4 52.3#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 16.178 ug/l

RT: 4.806 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU048937.D

Acq: 08 Jun 2022 02:37

Instrument :

MSVOA_U

ClientSampleId :

19BR-20220601

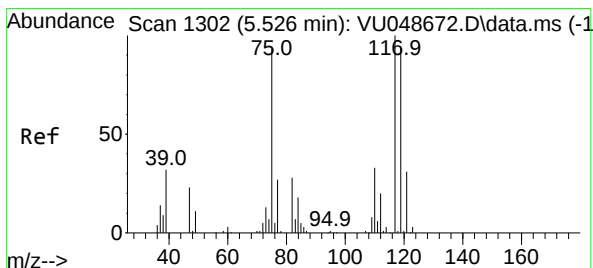
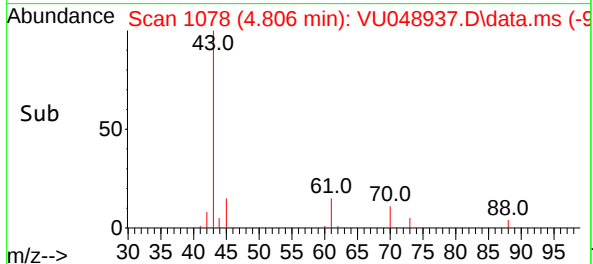
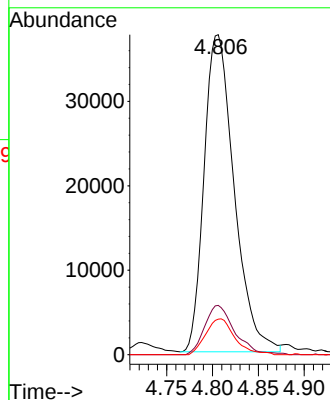
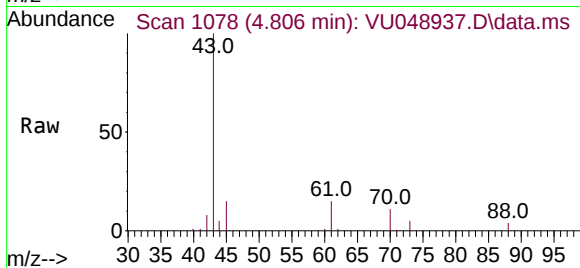
Tgt Ion: 43 Resp: 85754

Ion Ratio Lower Upper

43 100

61 15.5 11.7 17.5

70 10.9 8.4 12.6



#38

Carbon Tetrachloride

Concen: 5.076 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048937.D

Acq: 08 Jun 2022 02:37

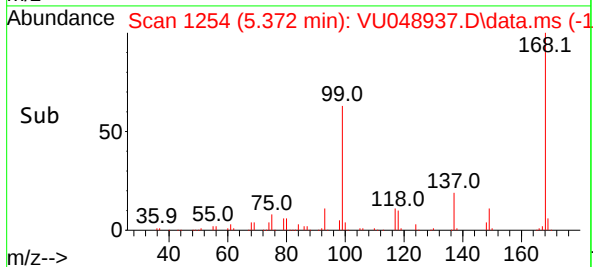
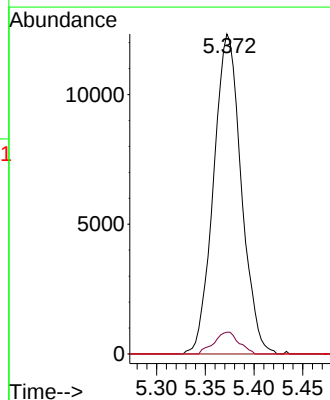
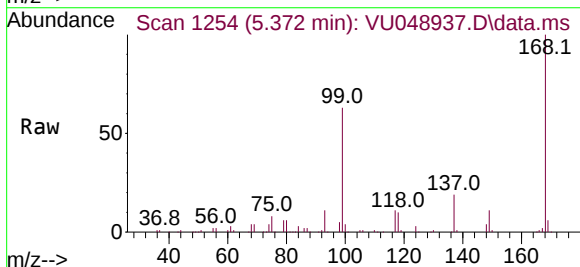
Tgt Ion: 117 Resp: 24417

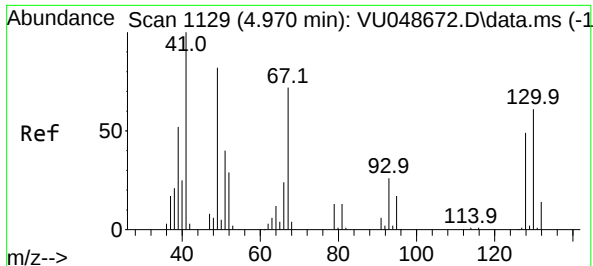
Ion Ratio Lower Upper

117 100

119 6.8 75.4 113.2#

121 0.0 24.6 36.8#

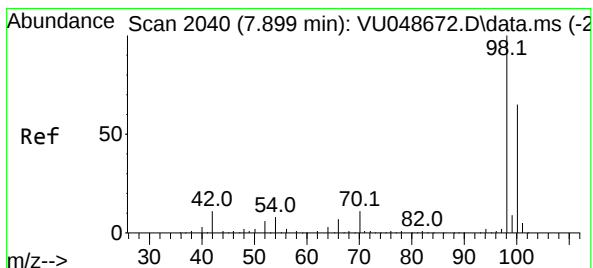
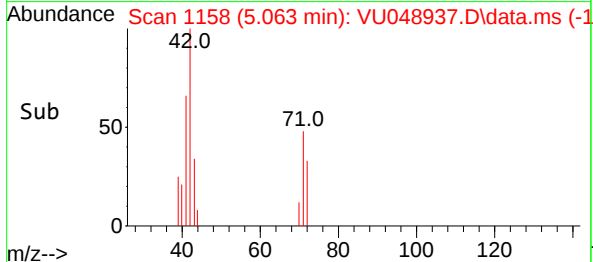
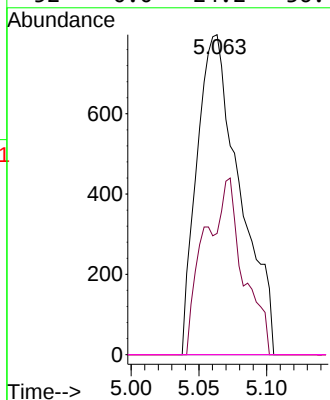
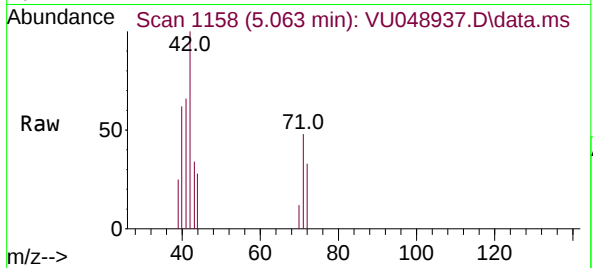




#41
Methacrylonitrile
Concen: 0.655 ug/l
RT: 5.063 min Scan# 1129
Delta R.T. 0.093 min
Lab File: VU048937.D
Acq: 08 Jun 2022 02:37

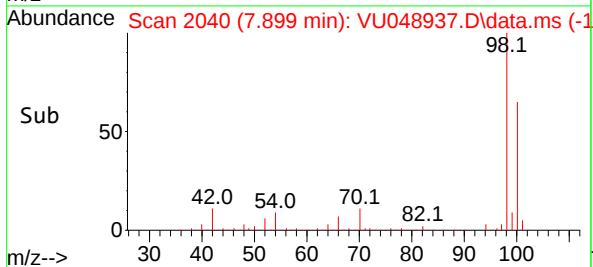
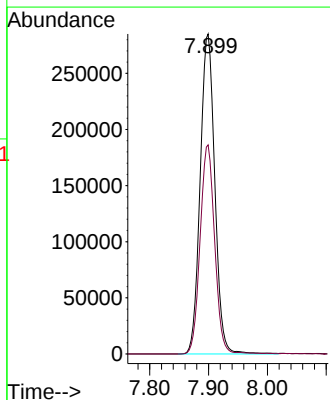
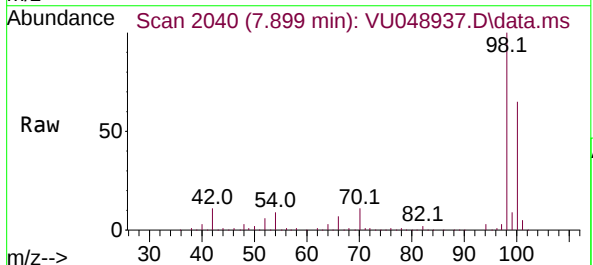
Instrument :
MSVOA_U
ClientSampleId :
19BR-20220601

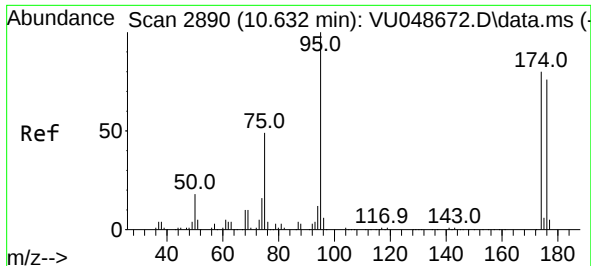
Tgt Ion: 41	Resp: 1754
Ion Ratio	Lower Upper
41 100	
39 29.2	42.6 64.0#
67 0.0	61.0 91.4#
52 0.0	24.2 36.4#



#50
Toluene-d8
Concen: 47.824 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU048937.D
Acq: 08 Jun 2022 02:37

Tgt Ion: 98	Resp: 492517
Ion Ratio	Lower Upper
98 100	
100 65.0	52.2 78.4

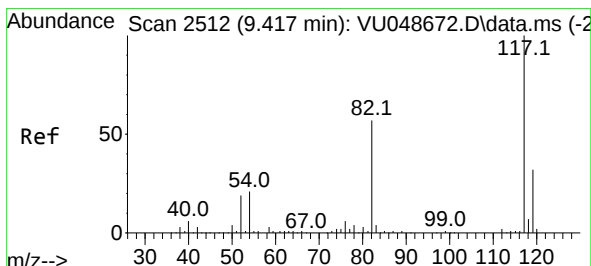
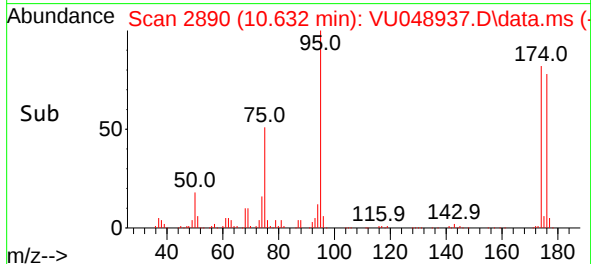
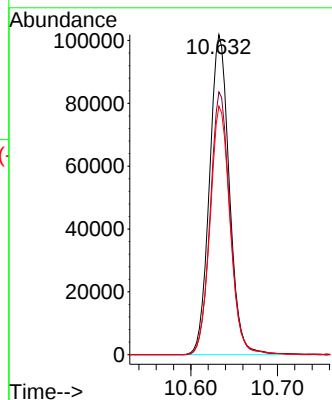
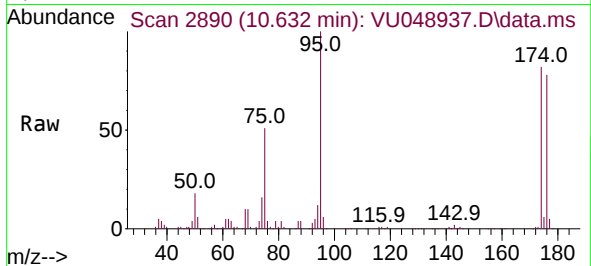




#62
4-Bromofluorobenzene
Concen: 41.618 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048937.D
Acq: 08 Jun 2022 02:37

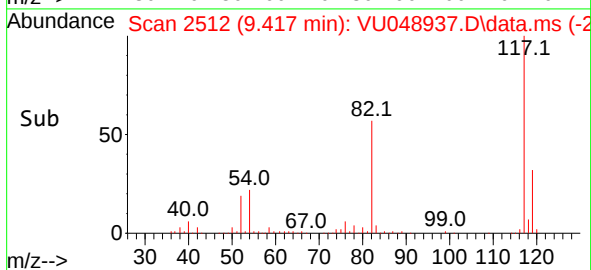
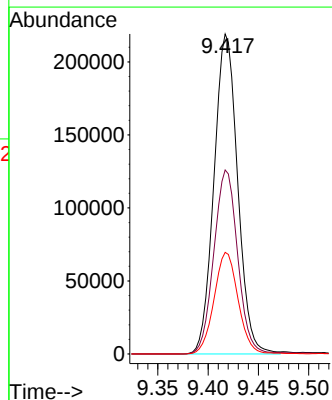
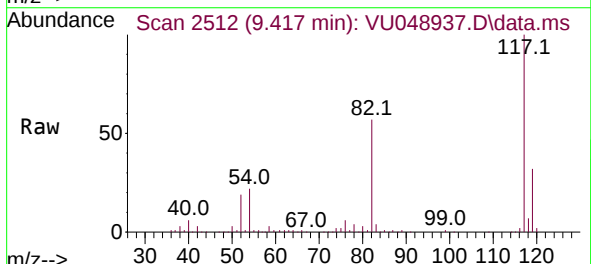
Instrument :
MSVOA_U
ClientSampleId :
19BR-20220601

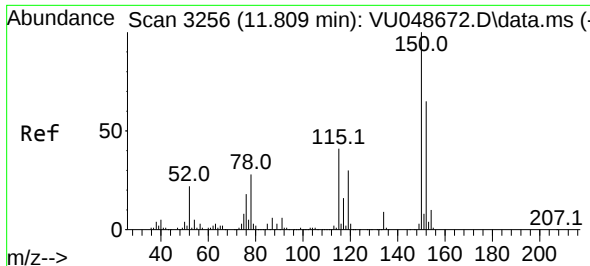
Tgt Ion: 95 Resp: 162095
Ion Ratio Lower Upper
95 100
174 82.0 0.0 159.4
176 78.8 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048937.D
Acq: 08 Jun 2022 02:37

Tgt Ion: 117 Resp: 358946
Ion Ratio Lower Upper
117 100
82 57.5 45.3 67.9
119 31.8 25.4 38.2

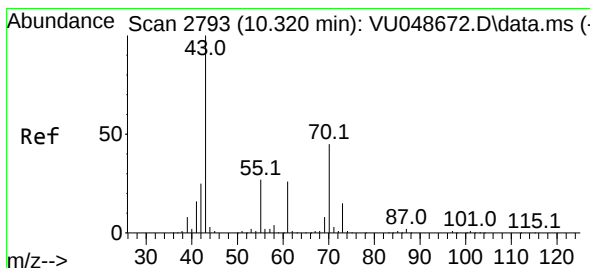
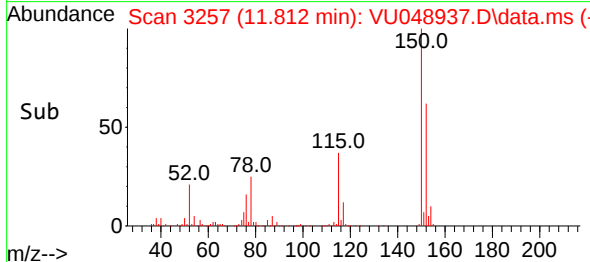
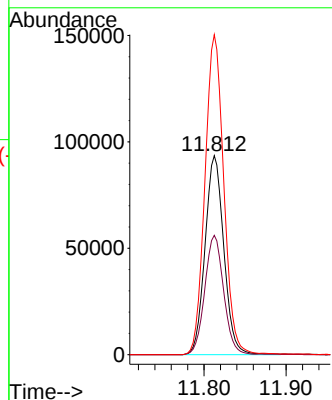
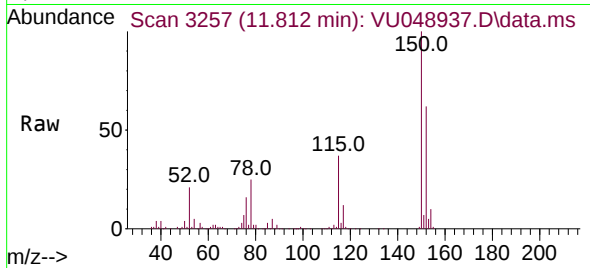




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048937.D
Acq: 08 Jun 2022 02:37

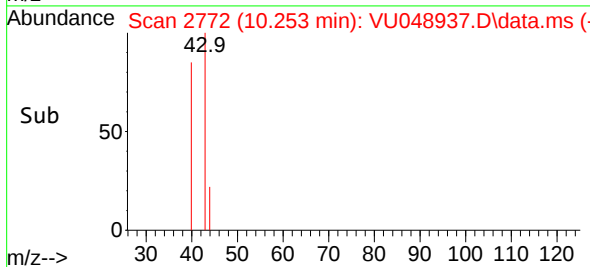
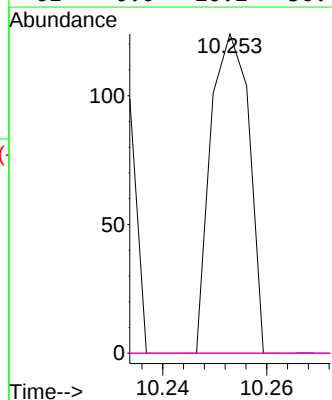
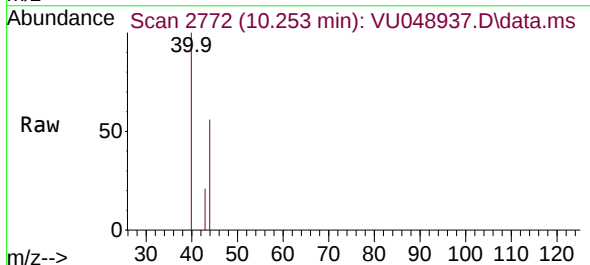
Instrument :
MSVOA_U
ClientSampleId :
19BR-20220601

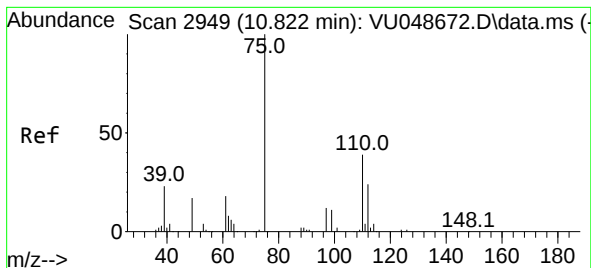
Tgt Ion:152 Resp: 149371
Ion Ratio Lower Upper
152 100
115 60.1 41.8 125.4
150 160.8 0.0 341.0



#74
N-ethyl acetate
Concen: 2.479 ug/l
RT: 10.253 min Scan# 2772
Delta R.T. -0.067 min
Lab File: VU048937.D
Acq: 08 Jun 2022 02:37

Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
70 0.0 35.8 53.6#
55 0.0 21.1 31.7#
61 0.0 20.2 30.4#





#76

1,2,3-Trichloropropane

Concen: 17.607 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. -0.190 min

Lab File: VU048937.D

Acq: 08 Jun 2022 02:37

Instrument :

MSVOA_U

ClientSampleId :

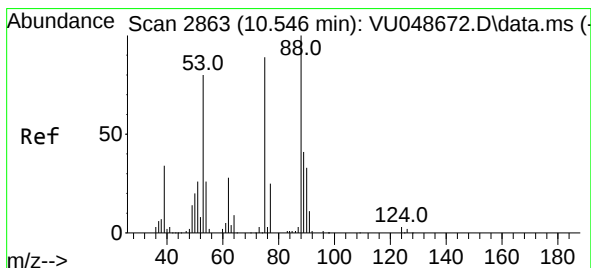
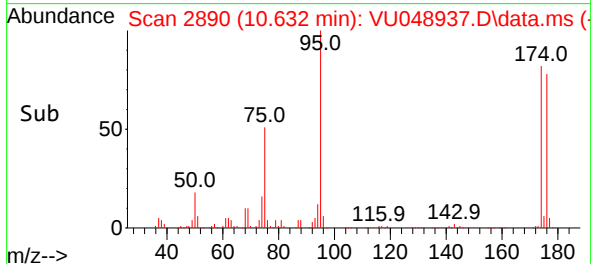
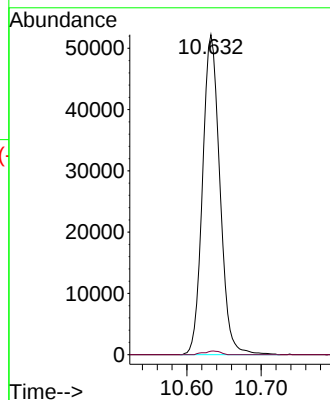
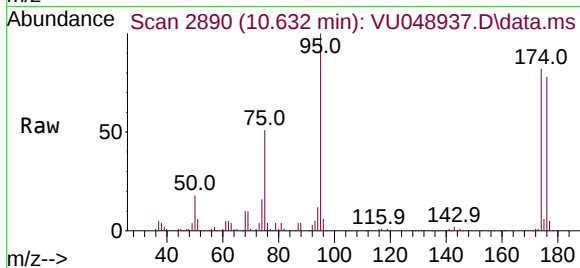
19BR-20220601

Tgt Ion: 75 Resp: 84798

Ion Ratio Lower Upper

75 100

77 1.1 14.8 44.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.930 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. 0.087 min

Lab File: VU048937.D

Acq: 08 Jun 2022 02:37

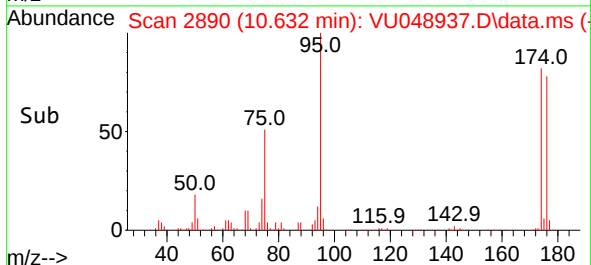
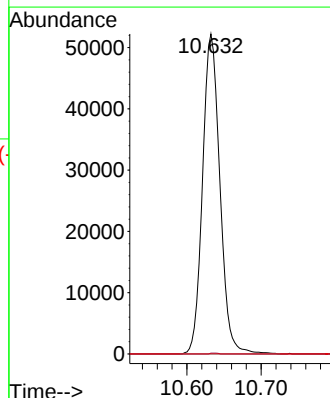
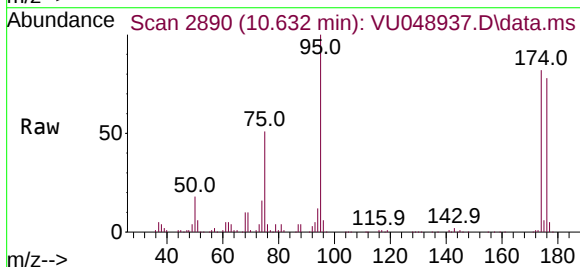
Tgt Ion: 75 Resp: 84798

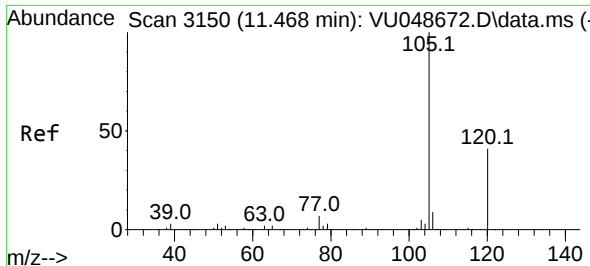
Ion Ratio Lower Upper

75 100

53 0.1 72.5 108.7#

89 0.0 37.0 55.4#

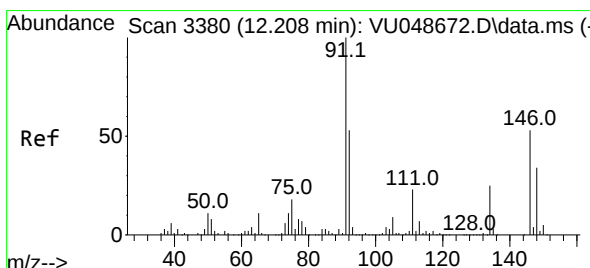
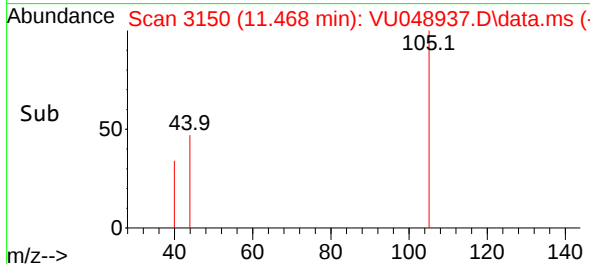
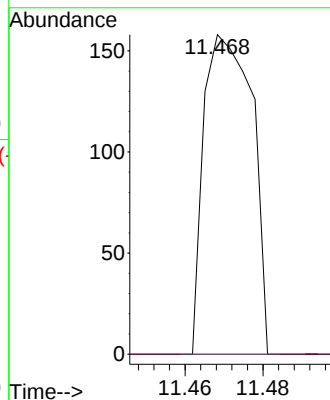
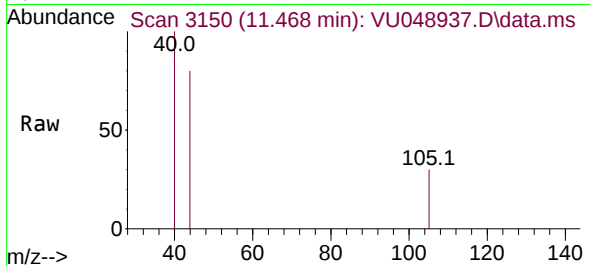




#84
1,2,4-Trimethylbenzene
Concen: 1.202 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU048937.D
Acq: 08 Jun 2022 02:37

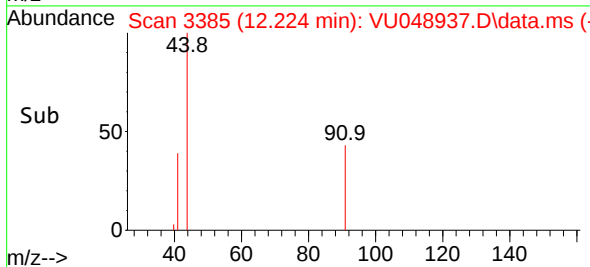
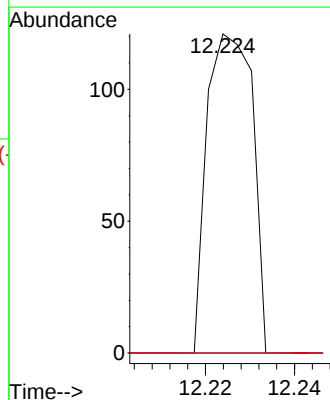
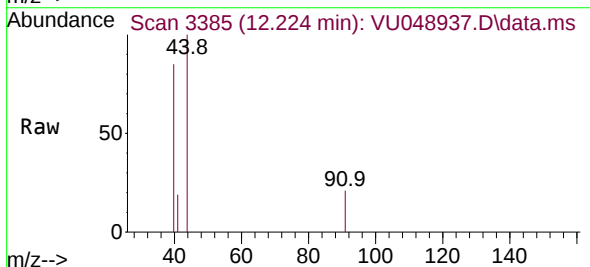
Instrument :
MSVOA_U
ClientSampleId :
19BR-20220601

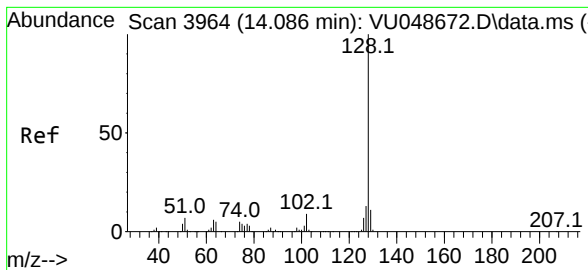
Tgt Ion:105 Resp: 136
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#



#89
n-Butylbenzene
Concen: 2.195 ug/l
RT: 12.224 min Scan# 3385
Delta R.T. 0.016 min
Lab File: VU048937.D
Acq: 08 Jun 2022 02:37

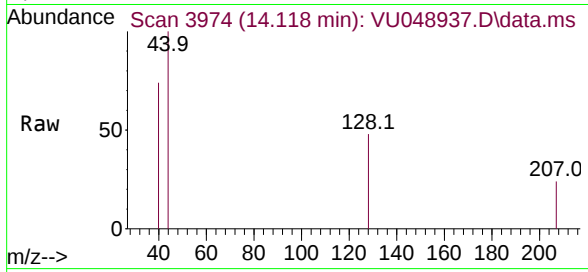
Tgt Ion: 91 Resp: 86
Ion Ratio Lower Upper
91 100
92 0.0 25.9 77.8#
134 0.0 12.5 37.5#





#95
Naphthalene
Concen: 2.598 ug/l
RT: 14.118 min Scan# 3964
Delta R.T. 0.032 min
Lab File: VU048937.D
Acq: 08 Jun 2022 02:37

Instrument :
MSVOA_U
ClientSampleId :
19BR-20220601



Tgt Ion:128 Resp: 807
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.7 13.1#

