

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
 Data File : VU048932.D
 Acq On : 08 Jun 2022 00:39
 Operator : SY/MD
 Sample : N3164-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 28BR-20220531

Quant Time: Jun 08 09:14:05 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)

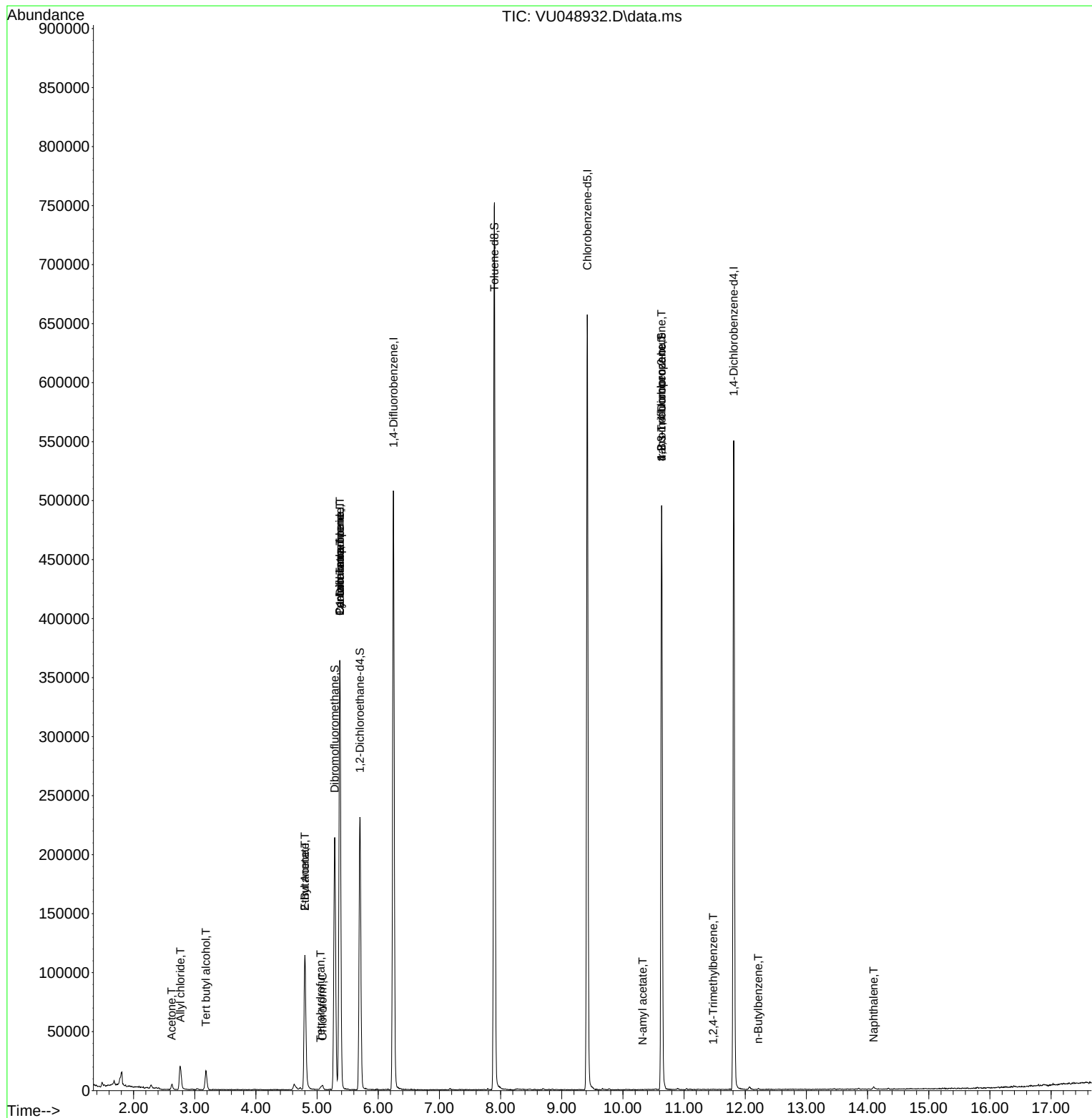
Internal Standards						
1) Pentafluorobenzene	5.372	168	245623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	405537	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	364458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	149695	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	177724	48.180	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.360%		
35) Dibromofluoromethane	5.288	113	138824	47.983	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.960%		
50) Toluene-d8	7.899	98	488218	47.075	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.160%		
62) 4-Bromofluorobenzene	10.632	95	166193	42.372	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	84.740%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.835	94	130	Below Cal	#	3
6) Chloroethane	1.909	64	347	Below Cal	#	43
11) Tert butyl alcohol	3.182	59	9779	10.456	ug/l #	28
13) Acrolein	2.482	56	61	Below Cal	#	14
14) Allyl chloride	2.764	41	2717	0.561	ug/l #	71
16) Acetone	2.623	43	5450	2.899	ug/l #	83
25) 2-Butanone	4.800	43	150524	55.736	ug/l #	49
29) Tetrahydrofuran	5.060	42	1653	0.972	ug/l #	49
30) Chloroform	5.089	83	2605	0.464	ug/l	86
31) Cyclohexane	5.372	56	5010	1.078	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	20175	4.778	ug/l #	51
37) Ethyl Acetate	4.800	43	150524	28.198	ug/l	100
38) Carbon Tetrachloride	5.372	117	25654	5.296	ug/l #	17
74) N-amyl acetate	10.324	43	39	2.474	ug/l #	28
76) 1,2,3-Trichloropropane	10.632	75	86201	17.860	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	86201	64.847	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.478	105	196	1.208	ug/l	83
89) n-Butylbenzene	12.211	91	574	2.249	ug/l #	65
95) Naphthalene	14.098	128	2798	2.758	ug/l #	80

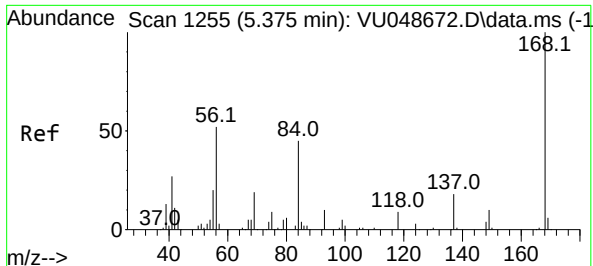
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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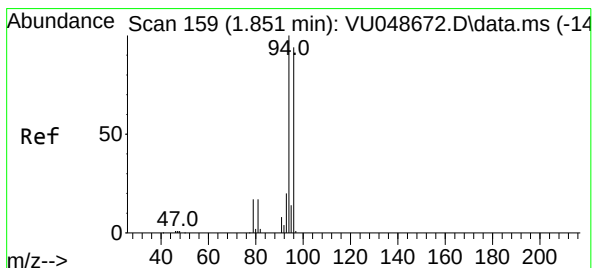
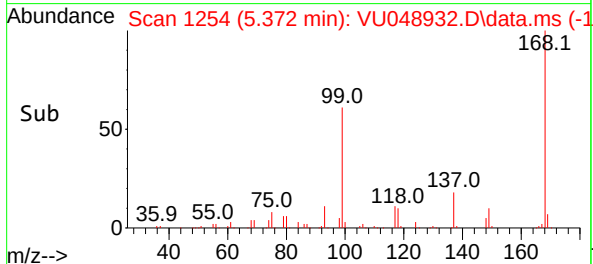
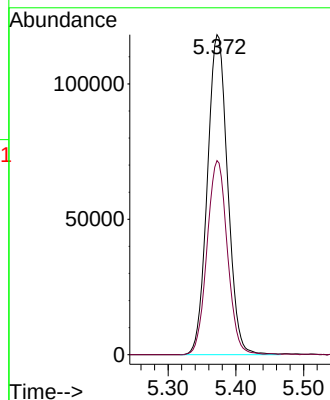
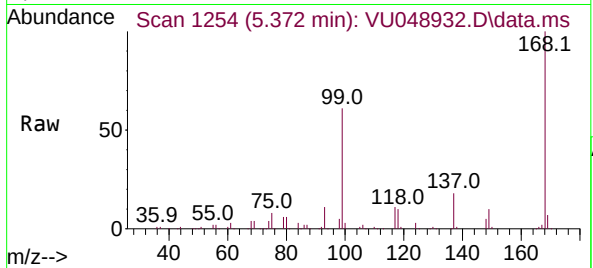




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048932.D
Acq: 08 Jun 2022 00:39

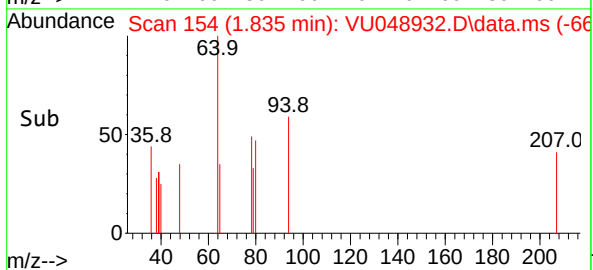
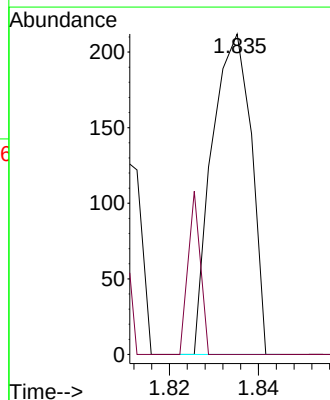
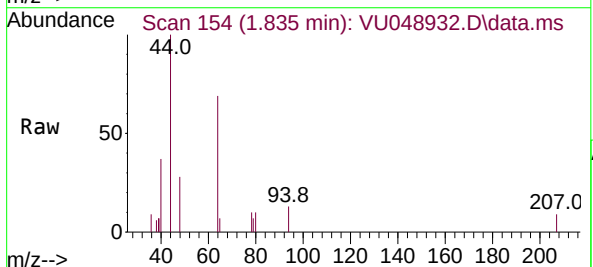
Instrument :
MSVOA_U
ClientSampleId :
28BR-20220531

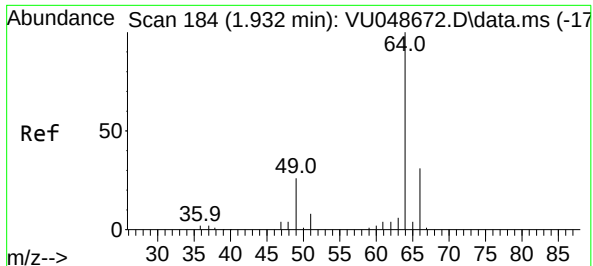
Tgt Ion:168 Resp: 245623
Ion Ratio Lower Upper
168 100
99 60.6 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 1.835 min Scan# 154
Delta R.T. -0.016 min
Lab File: VU048932.D
Acq: 08 Jun 2022 00:39

Tgt Ion: 94 Resp: 130
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#

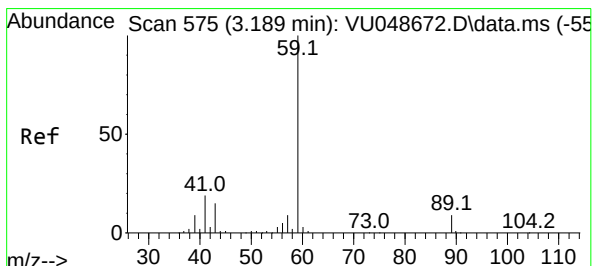
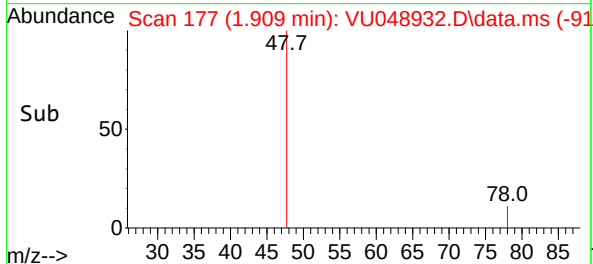
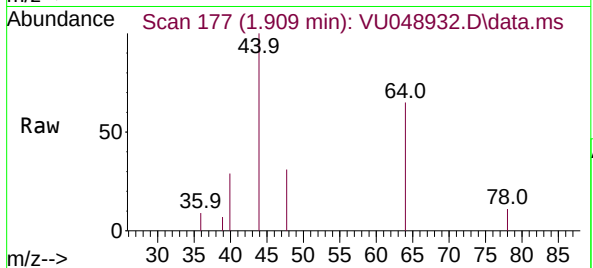




#6
Chloroethane
Concen: Below Cal
RT: 1.909 min Scan# 11
Delta R.T. -0.023 min
Lab File: VU048932.D
Acq: 08 Jun 2022 00:39

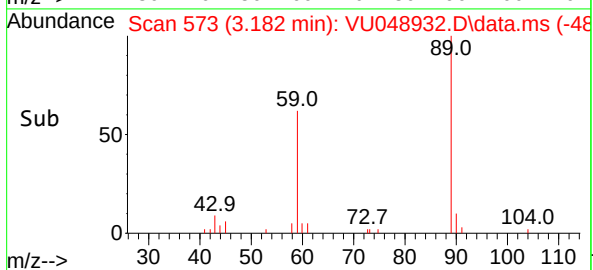
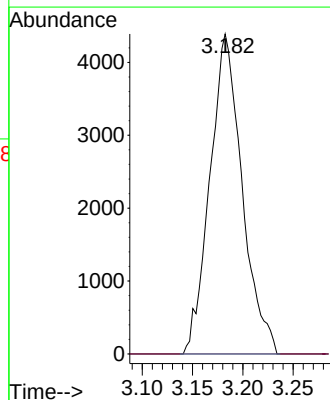
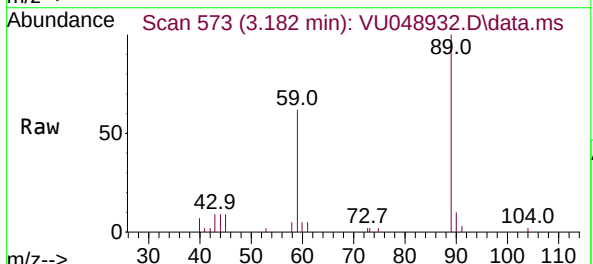
Instrument :
MSVOA_U
ClientSampleId :
28BR-20220531

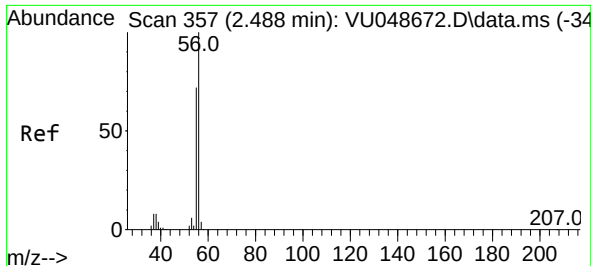
Tgt Ion: 64 Resp: 347
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



#11
Tert butyl alcohol
Concen: 10.456 ug/l
RT: 3.182 min Scan# 573
Delta R.T. -0.006 min
Lab File: VU048932.D
Acq: 08 Jun 2022 00:39

Tgt Ion: 59 Resp: 9779
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#

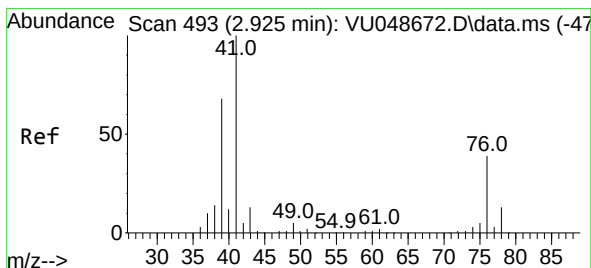
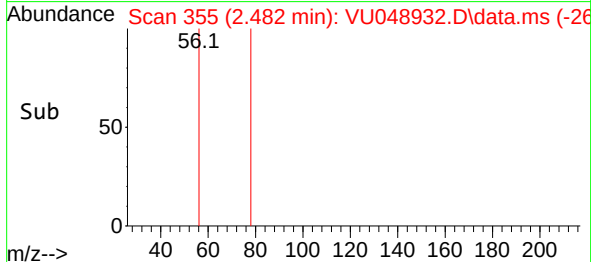
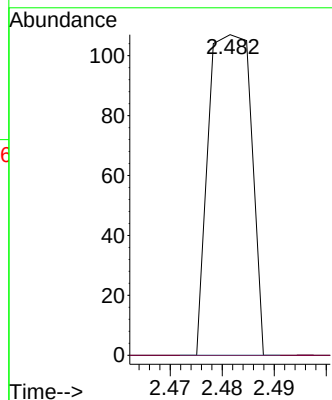
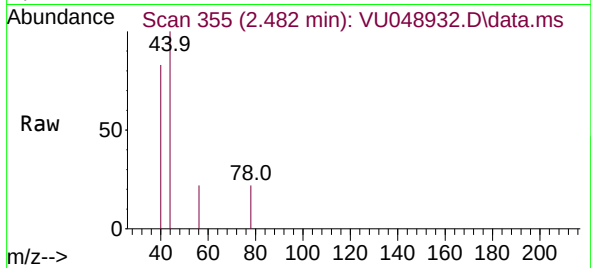




#13
Acrolein
Concen: Below Cal
RT: 2.482 min Scan# 31
Delta R.T. -0.006 min
Lab File: VU048932.D
Acq: 08 Jun 2022 00:39

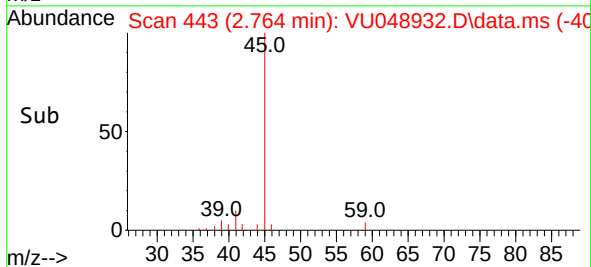
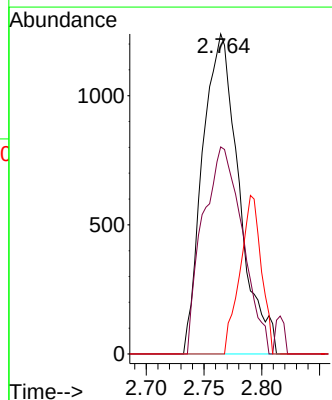
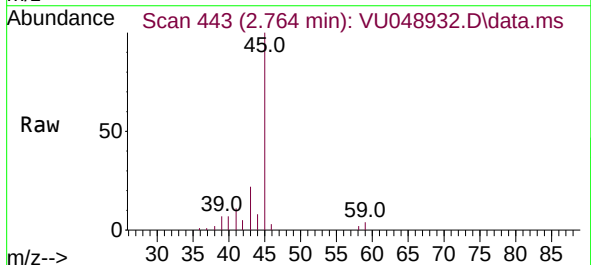
Instrument :
MSVOA_U
ClientSampleId :
28BR-20220531

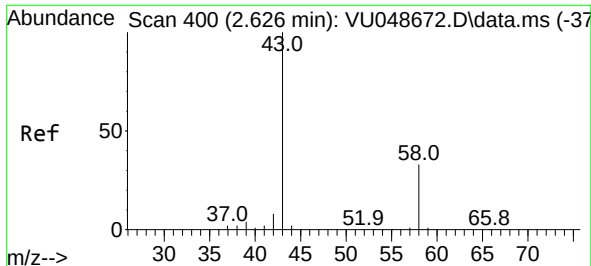
Tgt Ion: 56 Resp: 61
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#



#14
Allyl chloride
Concen: 0.561 ug/l
RT: 2.764 min Scan# 443
Delta R.T. -0.161 min
Lab File: VU048932.D
Acq: 08 Jun 2022 00:39

Tgt Ion: 41 Resp: 2717
Ion Ratio Lower Upper
41 100
39 70.4 48.6 72.8
76 0.0 27.0 40.4#

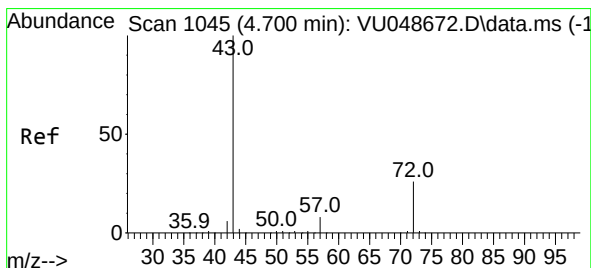
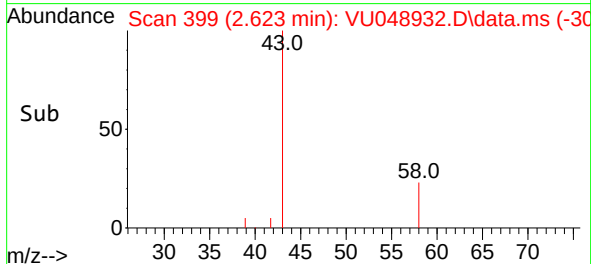
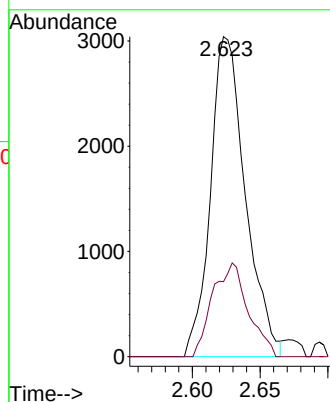
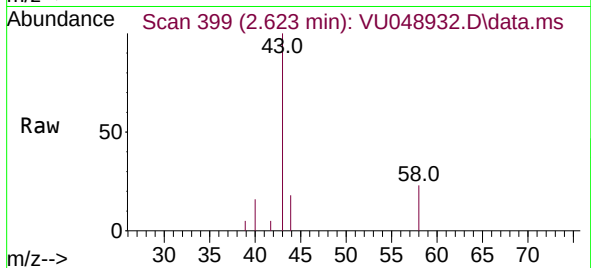




#16
Acetone
Concen: 2.899 ug/l
RT: 2.623 min Scan# 39
Delta R.T. -0.003 min
Lab File: VU048932.D
Acq: 08 Jun 2022 00:39

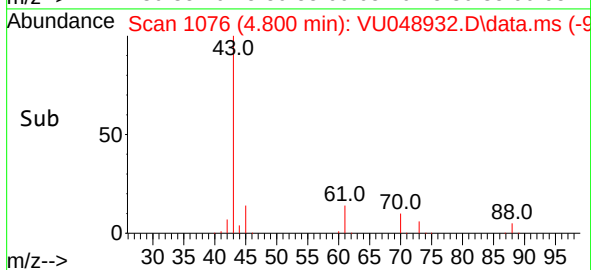
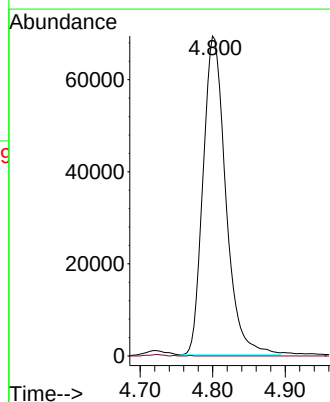
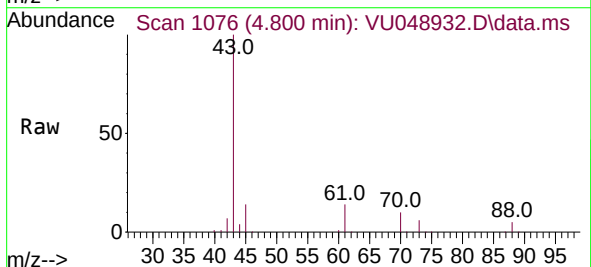
Instrument :
MSVOA_U
ClientSampleId :
28BR-20220531

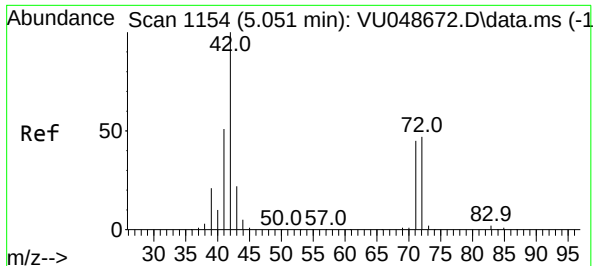
Tgt Ion: 43 Resp: 5450
Ion Ratio Lower Upper
43 100
58 23.4 26.3 39.5#



#25
2-Butanone
Concen: 55.736 ug/l
RT: 4.800 min Scan# 1076
Delta R.T. 0.100 min
Lab File: VU048932.D
Acq: 08 Jun 2022 00:39

Tgt Ion: 43 Resp: 150524
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#





#29

Tetrahydrofuran

Concen: 0.972 ug/l

RT: 5.060 min Scan# 1157

Delta R.T. 0.010 min

Lab File: VU048932.D

Acq: 08 Jun 2022 00:39

Instrument :

MSVOA_U

ClientSampleId :

28BR-20220531

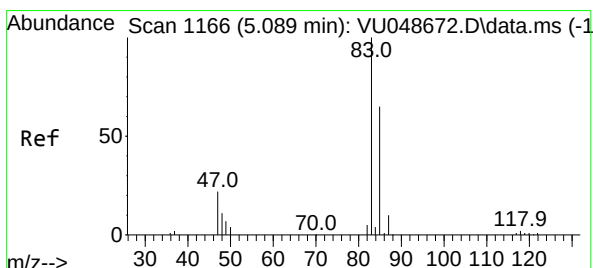
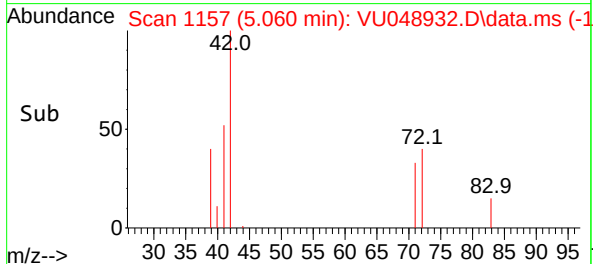
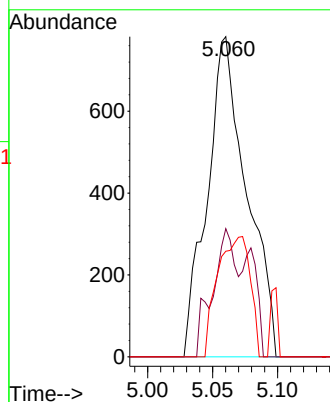
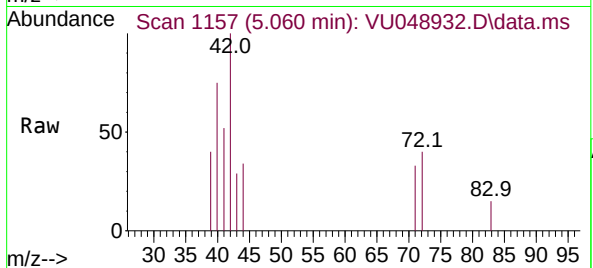
Tgt Ion: 42 Resp: 1653

Ion Ratio Lower Upper

42 100

72 23.7 37.6 56.4#

71 0.0 35.0 52.4#



#30

Chloroform

Concen: 0.464 ug/l

RT: 5.089 min Scan# 1166

Delta R.T. -0.000 min

Lab File: VU048932.D

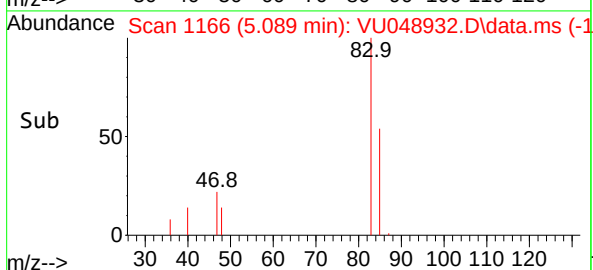
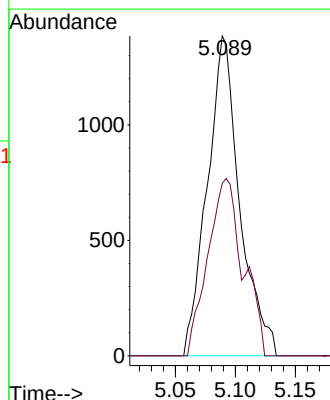
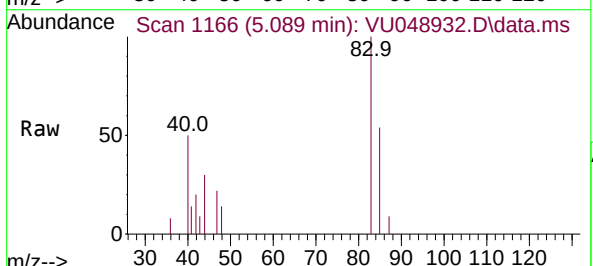
Acq: 08 Jun 2022 00:39

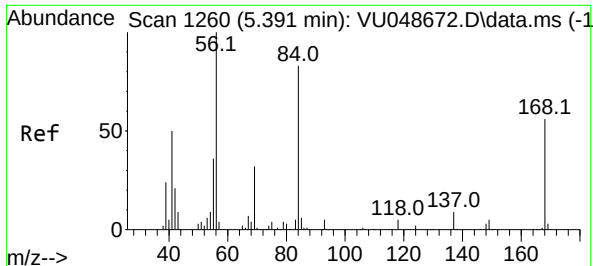
Tgt Ion: 83 Resp: 2605

Ion Ratio Lower Upper

83 100

85 53.9 52.2 78.2

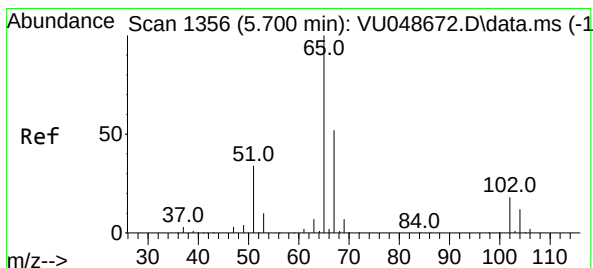
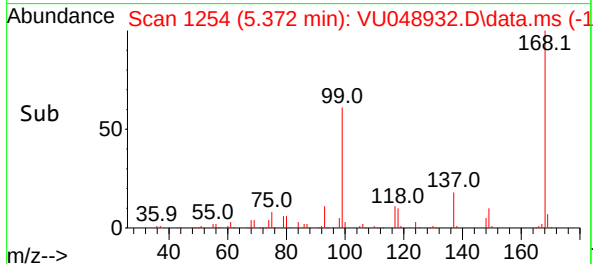
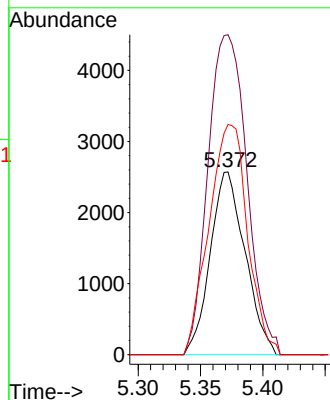
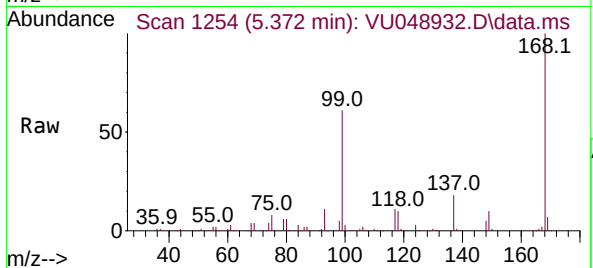




#31
Cyclohexane
Concen: 1.078 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.019 min
Lab File: VU048932.D
Acq: 08 Jun 2022 00:39

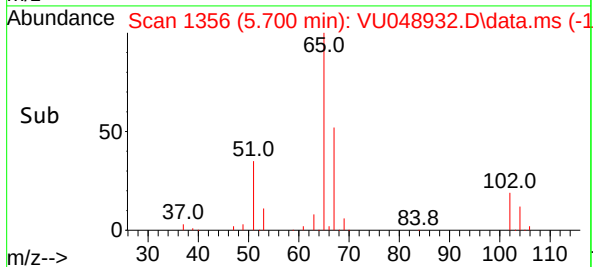
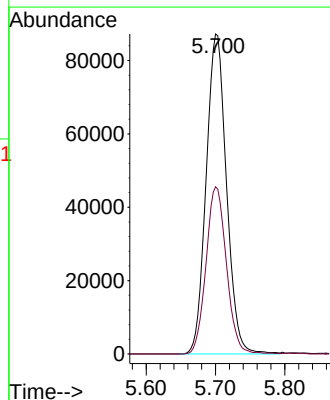
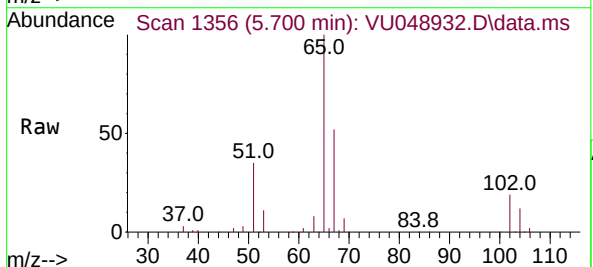
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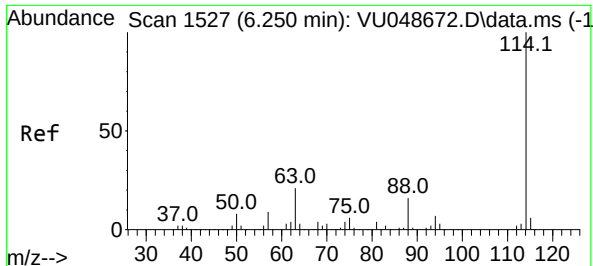
Tgt Ion: 56 Resp: 5010
Ion Ratio Lower Upper
56 100
69 175.1 25.6 38.4#
84 126.0 66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 48.180 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. -0.000 min
Lab File: VU048932.D
Acq: 08 Jun 2022 00:39

Tgt Ion: 65 Resp: 177724
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU048932.D

Acq: 08 Jun 2022 00:39

Instrument :

MSVOA_U

ClientSampleId :

28BR-20220531

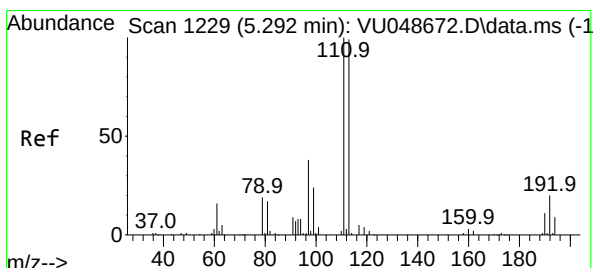
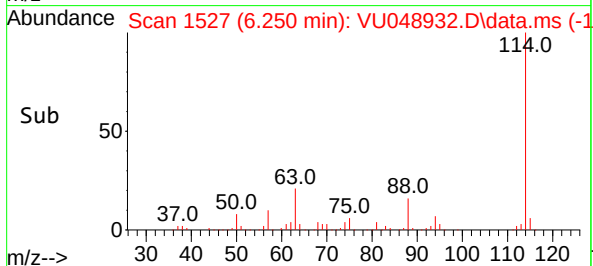
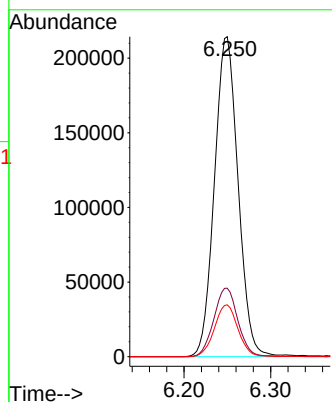
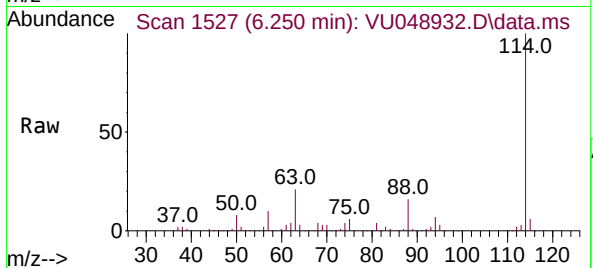
Tgt Ion:114 Resp: 405537

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.6

88 16.2 0.0 32.2



#35

Dibromofluoromethane

Concen: 47.983 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU048932.D

Acq: 08 Jun 2022 00:39

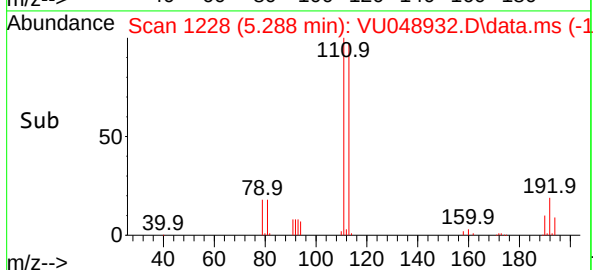
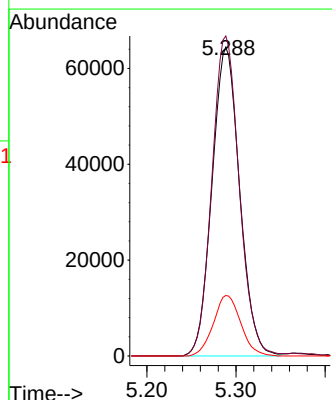
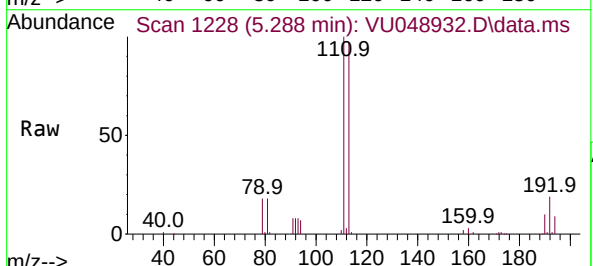
Tgt Ion:113 Resp: 138824

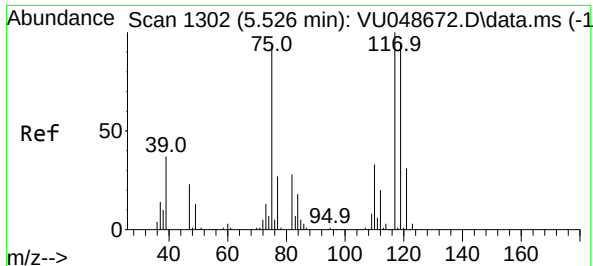
Ion Ratio Lower Upper

113 100

111 102.6 80.7 121.1

192 19.4 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.778 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.154 min

Lab File: VU048932.D

Acq: 08 Jun 2022 00:39

Instrument :

MSVOA_U

ClientSampleId :

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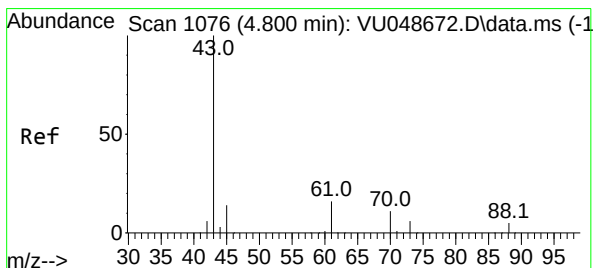
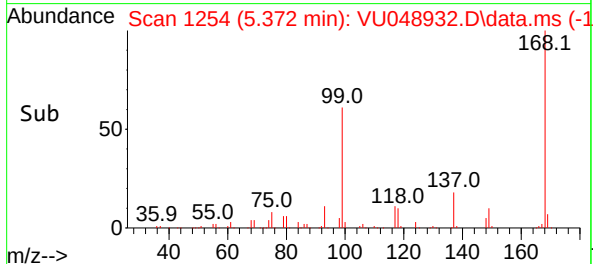
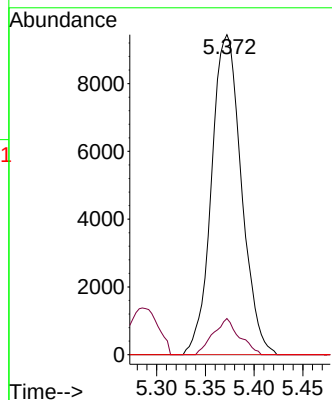
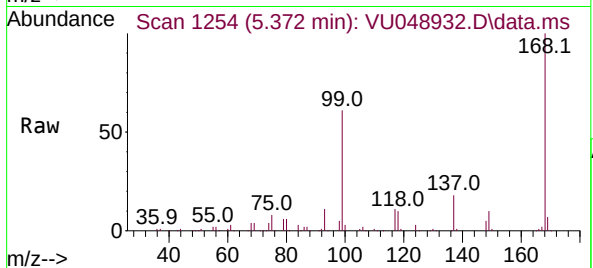
Tgt Ion: 75 Resp: 20175

Ion Ratio Lower Upper

75 100

110 9.9 17.4 52.3#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 28.198 ug/l

RT: 4.800 min Scan# 1076

Delta R.T. -0.000 min

Lab File: VU048932.D

Acq: 08 Jun 2022 00:39

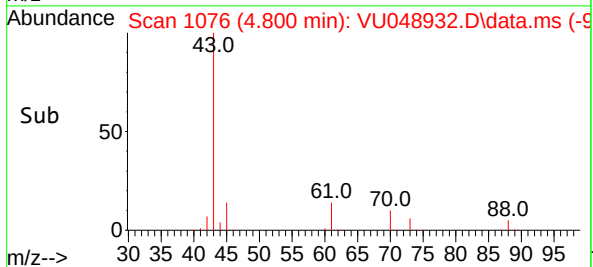
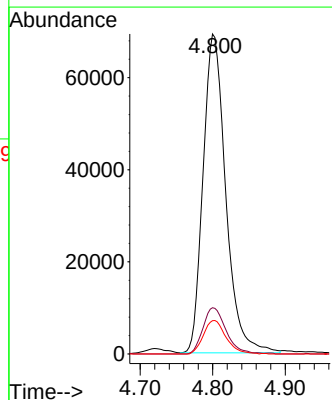
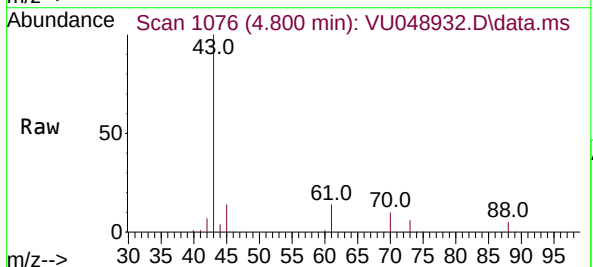
Tgt Ion: 43 Resp: 150524

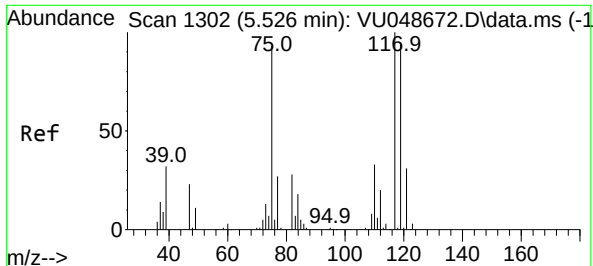
Ion Ratio Lower Upper

43 100

61 14.8 11.7 17.5

70 10.4 8.4 12.6

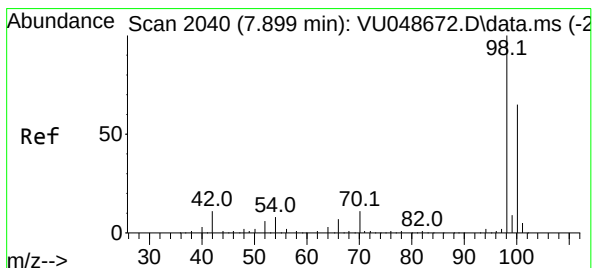
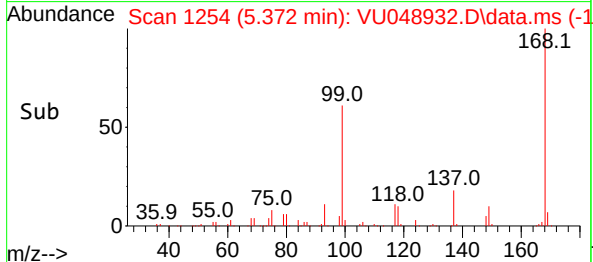
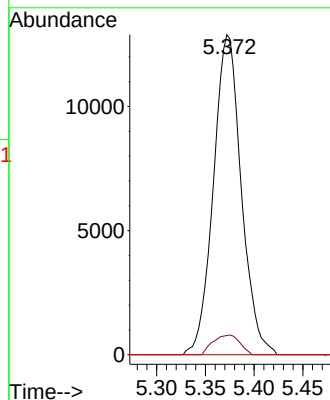
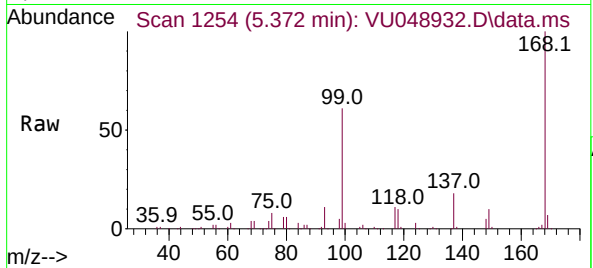




#38
Carbon Tetrachloride
Concen: 5.296 ug/l
RT: 5.372 min Scan# 117
Delta R.T. -0.154 min
Lab File: VU048932.D
Acq: 08 Jun 2022 00:39

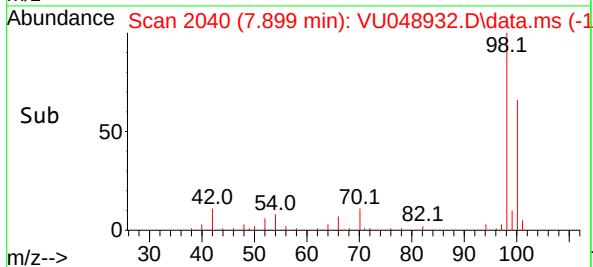
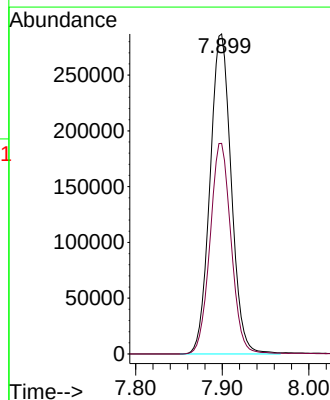
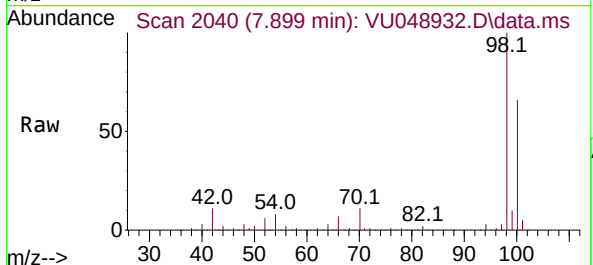
Instrument :
MSVOA_U
ClientSampleId :
28BR-20220531

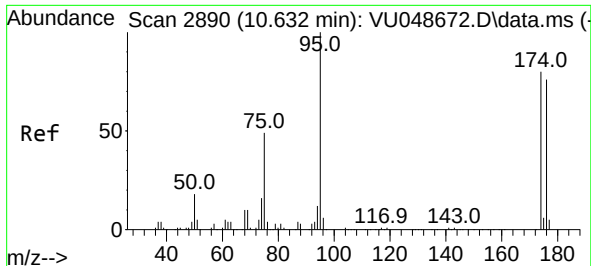
Tgt Ion:117 Resp: 25654
Ion Ratio Lower Upper
117 100
119 6.0 75.4 113.2#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 47.075 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048932.D
Acq: 08 Jun 2022 00:39

Tgt Ion: 98 Resp: 488218
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.4

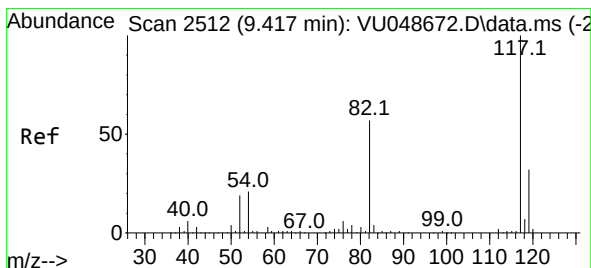
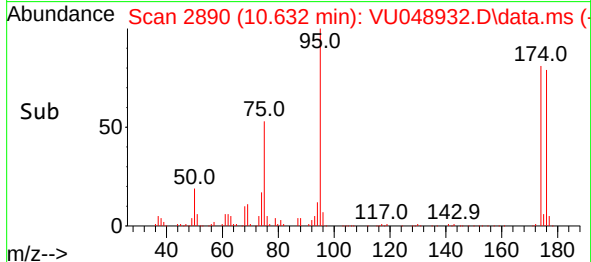
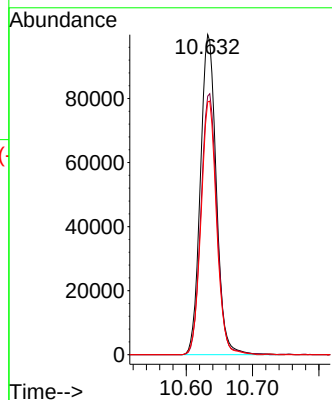
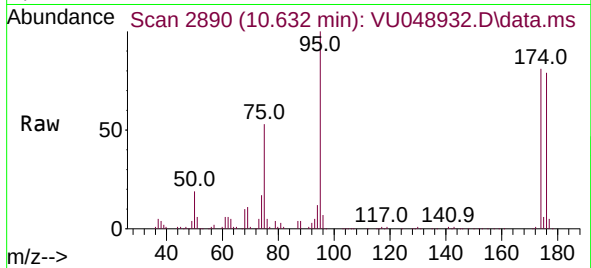




#62
4-Bromofluorobenzene
Concen: 42.372 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048932.D
Acq: 08 Jun 2022 00:39

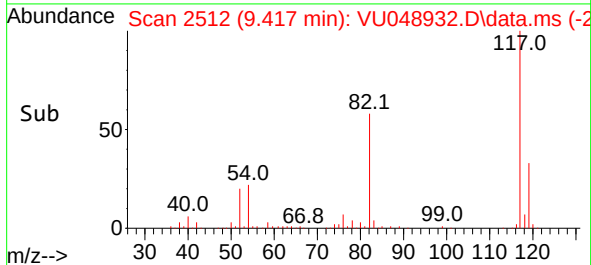
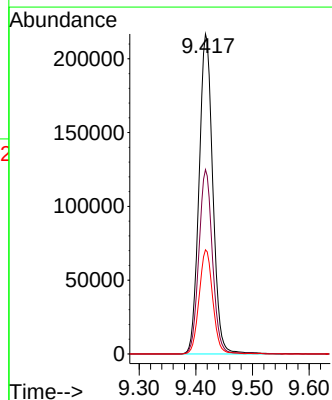
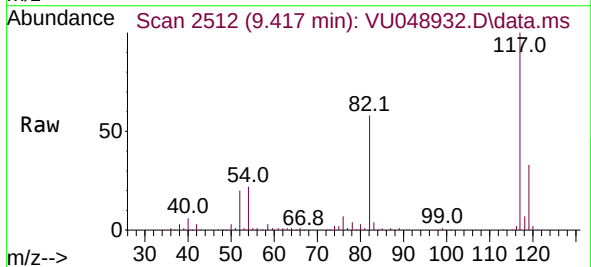
Instrument : MSVOA_U
ClientSampleId : 28BR-20220531

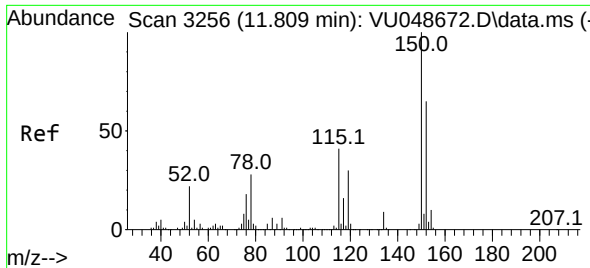
Tgt Ion: 95 Resp: 166193
Ion Ratio Lower Upper
95 100
174 82.0 0.0 159.4
176 77.9 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048932.D
Acq: 08 Jun 2022 00:39

Tgt Ion: 117 Resp: 364458
Ion Ratio Lower Upper
117 100
82 57.6 45.3 67.9
119 32.6 25.4 38.2

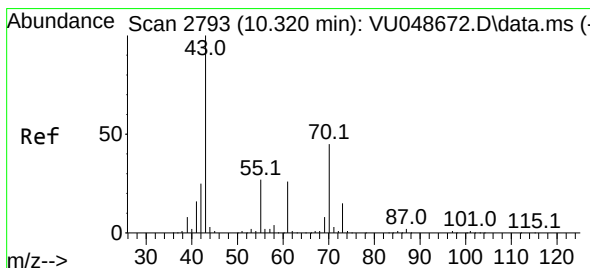
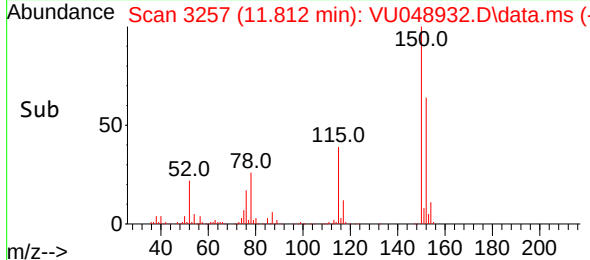
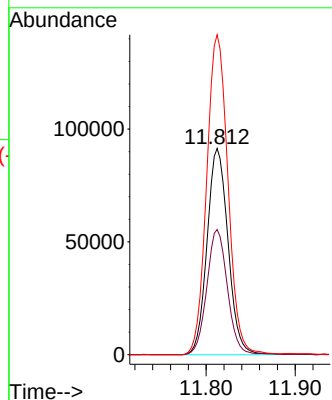
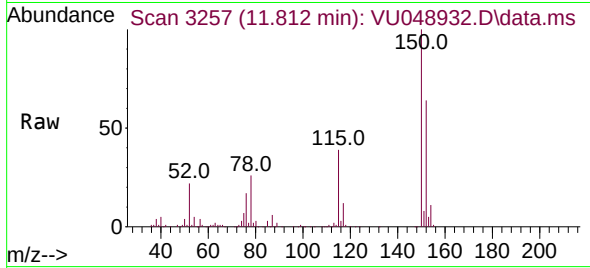




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048932.D
Acq: 08 Jun 2022 00:39

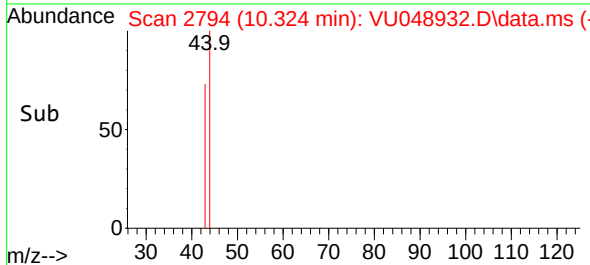
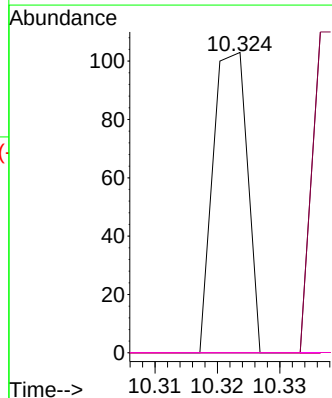
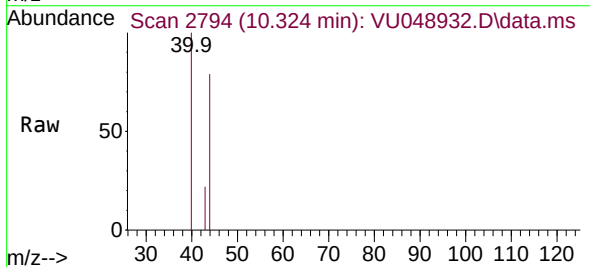
Instrument :
MSVOA_U
ClientSampleId :
28BR-20220531

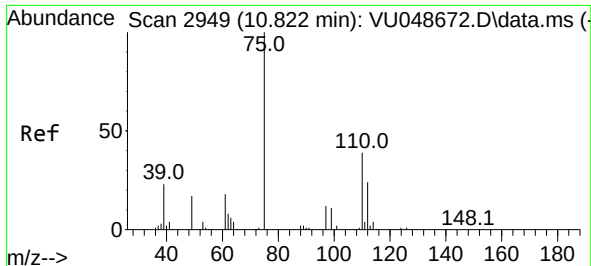
Tgt Ion:152 Resp: 149695
Ion Ratio Lower Upper
152 100
115 59.6 41.8 125.4
150 156.8 0.0 341.0



#74
N-amy1 acetate
Concen: 2.474 ug/l
RT: 10.324 min Scan# 2794
Delta R.T. 0.004 min
Lab File: VU048932.D
Acq: 08 Jun 2022 00:39

Tgt Ion: 43 Resp: 39
Ion Ratio Lower Upper
43 100
70 107.7 35.8 53.6#
55 0.0 21.1 31.7#
61 0.0 20.2 30.4#

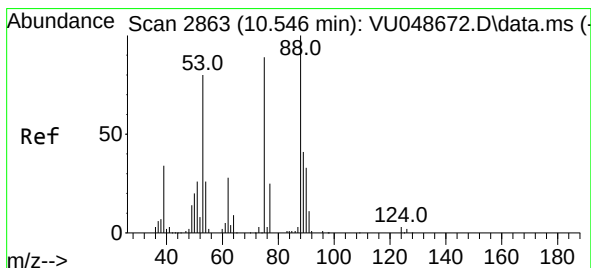
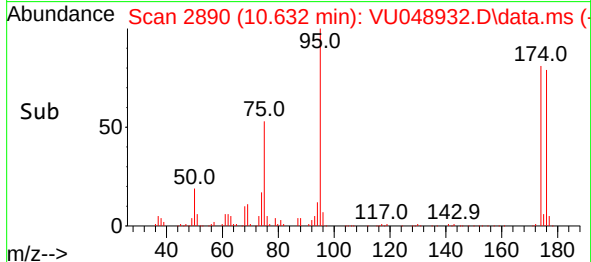
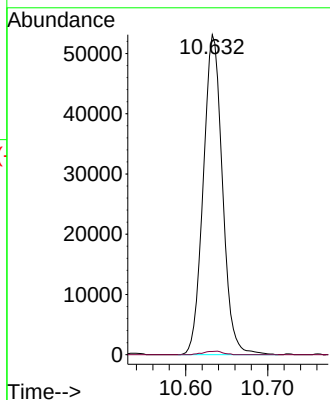
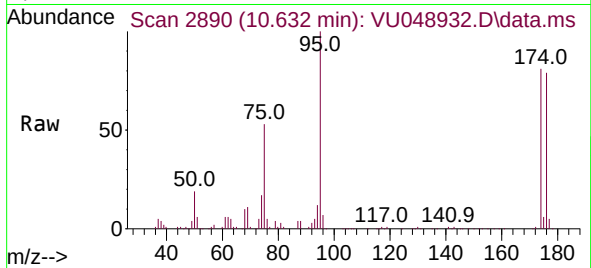




#76
1,2,3-Trichloropropane
Concen: 17.860 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048932.D
Acq: 08 Jun 2022 00:39

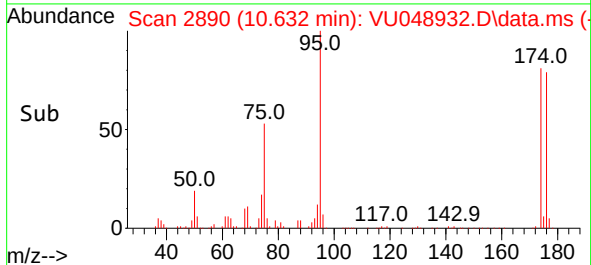
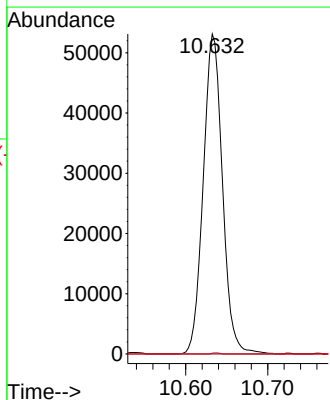
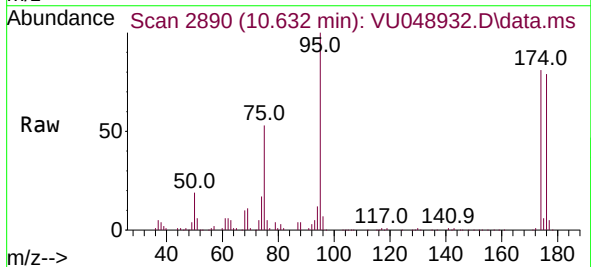
Instrument :
MSVOA_U
ClientSampleId :
28BR-20220531

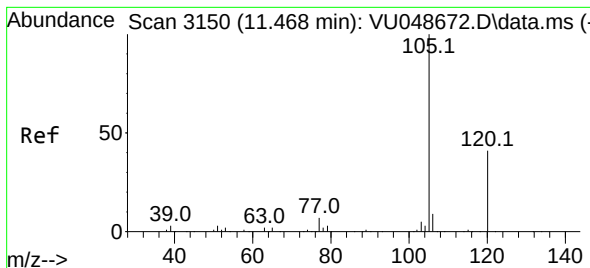
Tgt Ion: 75 Resp: 86201
Ion Ratio Lower Upper
75 100
77 1.1 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.847 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048932.D
Acq: 08 Jun 2022 00:39

Tgt Ion: 75 Resp: 86201
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: 1.208 ug/l

RT: 11.478 min Scan# 3150

Delta R.T. 0.010 min

Lab File: VU048932.D

Acq: 08 Jun 2022 00:39

Instrument :

MSVOA_U

ClientSampleId :

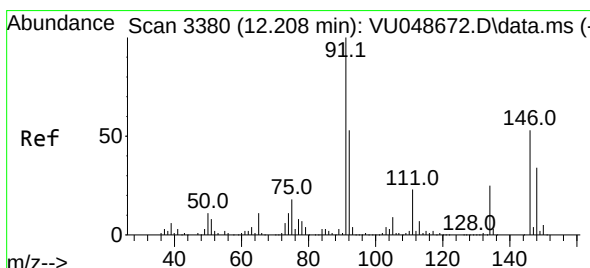
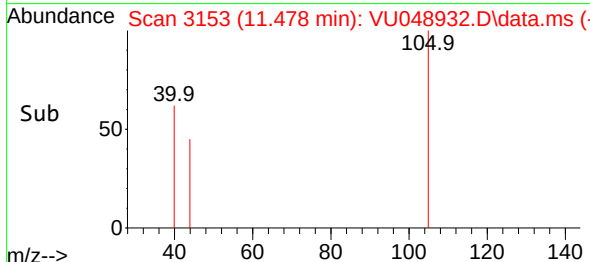
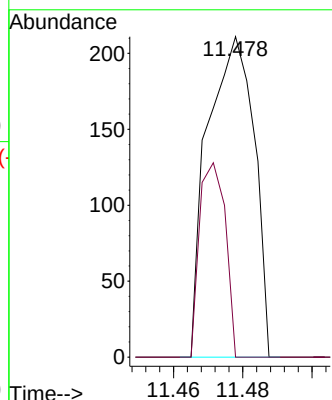
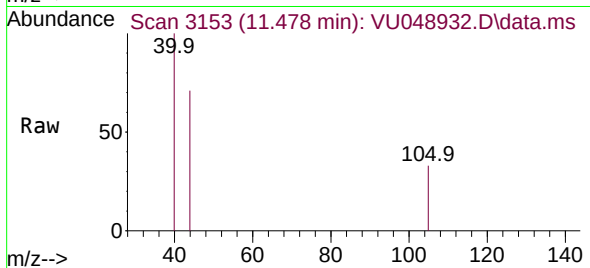
28BR-20220531

Tgt Ion:105 Resp: 196

Ion Ratio Lower Upper

105 100

120 33.7 22.5 67.5



#89

n-Butylbenzene

Concen: 2.249 ug/l

RT: 12.211 min Scan# 3381

Delta R.T. 0.003 min

Lab File: VU048932.D

Acq: 08 Jun 2022 00:39

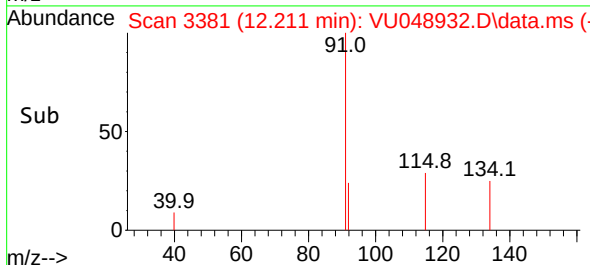
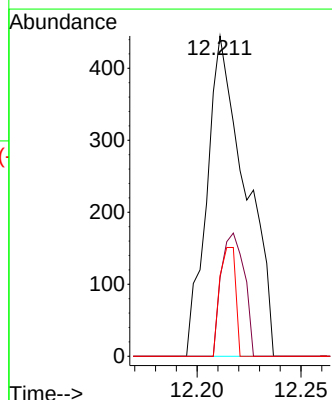
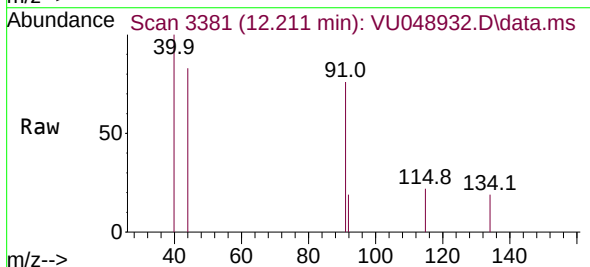
Tgt Ion: 91 Resp: 574

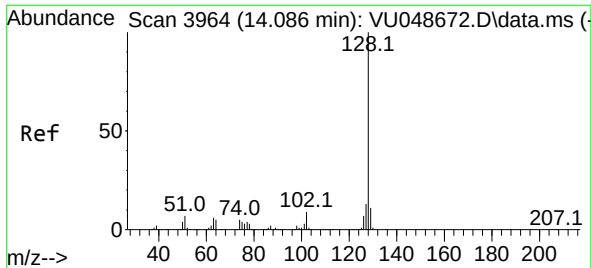
Ion Ratio Lower Upper

91 100

92 23.0 25.9 77.8#

134 13.9 12.5 37.5





#95
 Naphthalene
 Concen: 2.758 ug/l
 RT: 14.098 min Scan# 3968
 Delta R.T. 0.012 min
 Lab File: VU048932.D
 Acq: 08 Jun 2022 00:39

Instrument :
 MSVOA_U
 ClientSampleId :
 28BR-20220531

Tgt Ion	Ratio	Lower	Upper
128	100		
127	7.7	10.2	15.4#
129	0.0	8.7	13.1#

