

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
 Data File : VU048938.D
 Acq On : 08 Jun 2022 03:01
 Operator : SY/MD
 Sample : N3166-11
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 11BR-20220601

Quant Time: Jun 08 09:16:00 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	253789	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	413474	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	362124	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	165718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	190952	50.100	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	100.200%
35) Dibromofluoromethane	5.289	113	143890	48.779	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.560%
50) Toluene-d8	7.899	98	492450	46.572	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.140%
62) 4-Bromofluorobenzene	10.632	95	180481	45.131	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.260%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1565	0.418	ug/l #	77
5) Bromomethane	1.838	94	101	Below Cal	#	60
6) Chloroethane	1.945	64	325	Below Cal	#	43
11) Tert butyl alcohol	3.179	59	875	0.906	ug/l #	28
14) Allyl chloride	2.758	41	3702	0.740	ug/l #	58
16) Acetone	2.626	43	10705	5.511	ug/l	95
25) 2-Butanone	4.800	43	116011	41.575	ug/l #	49
27) cis-1,2-Dichloroethene	4.665	96	1640	0.480	ug/l	96
29) Tetrahydrofuran	5.060	42	2721	1.548	ug/l #	77
31) Cyclohexane	5.366	56	5588	1.163	ug/l #	1
36) 1,1-Dichloropropene	5.369	75	21018	4.882	ug/l #	49
37) Ethyl Acetate	4.800	43	116011	21.315	ug/l	99
38) Carbon Tetrachloride	5.369	117	26491	5.363	ug/l #	17
41) Methacrylonitrile	5.054	41	1222	0.444	ug/l #	44
43) Isopropyl Acetate	6.157	43	3559	0.451	ug/l #	60
44) Trichloroethene	6.539	130	1195	0.365	ug/l	73
74) N-amyl acetate	10.253	43	104	2.485	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	90546	16.946	ug/l #	48
81) trans-1,4-Dichloro-2-b...	10.632	75	90546	61.529	ug/l #	13
95) Naphthalene	14.121	128	495	2.569	ug/l #	69

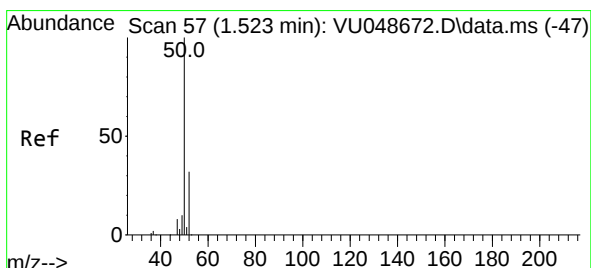
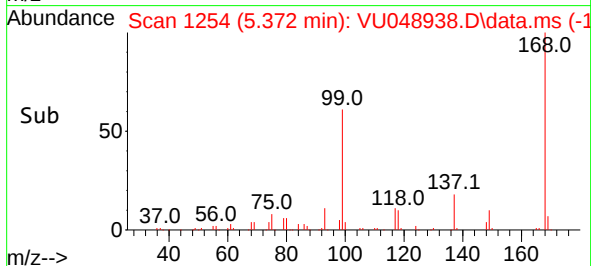
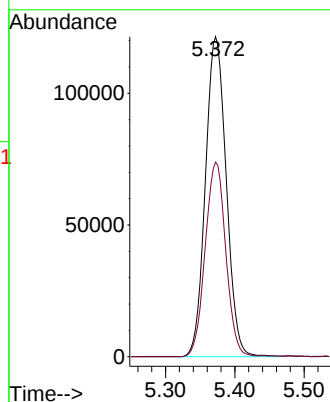
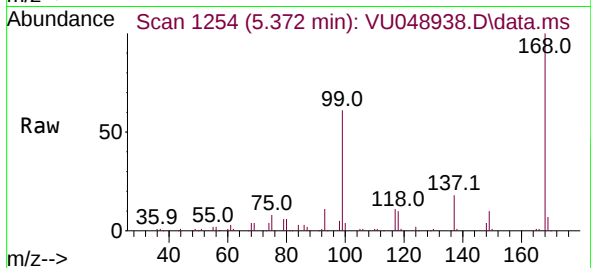
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048938.D
Acq: 08 Jun 2022 03:01

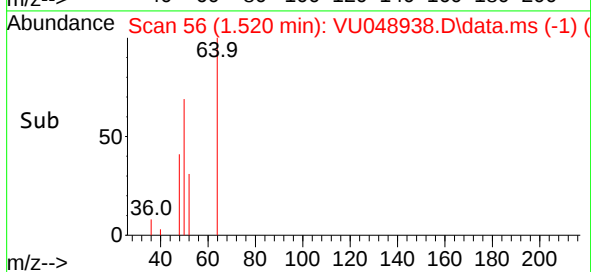
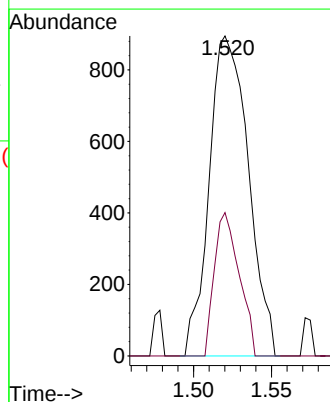
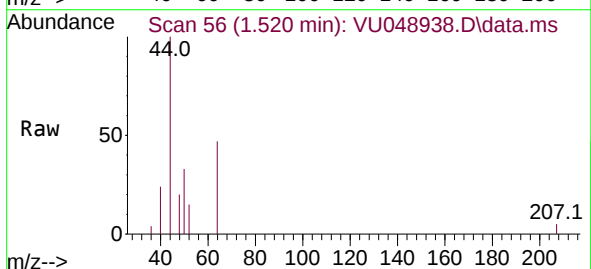
Instrument :
MSVOA_U
ClientSampleId :
11BR-20220601

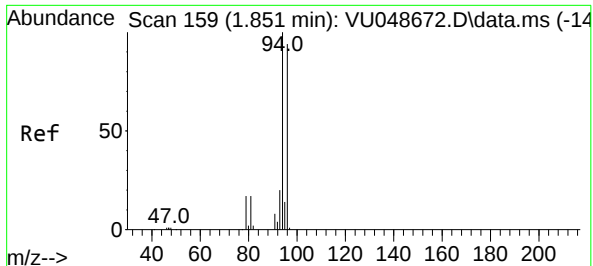
Tgt Ion:168 Resp: 253789
Ion Ratio Lower Upper
168 100
99 60.8 49.3 73.9



#3
Chloromethane
Concen: 0.418 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048938.D
Acq: 08 Jun 2022 03:01

Tgt Ion: 50 Resp: 1565
Ion Ratio Lower Upper
50 100
52 44.8 25.7 38.5#

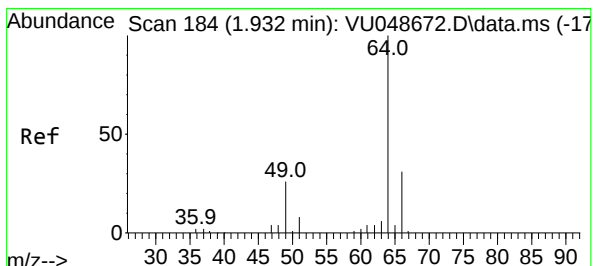
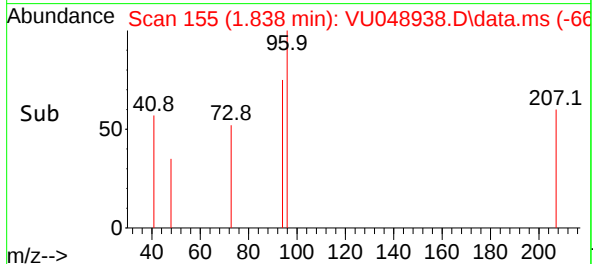
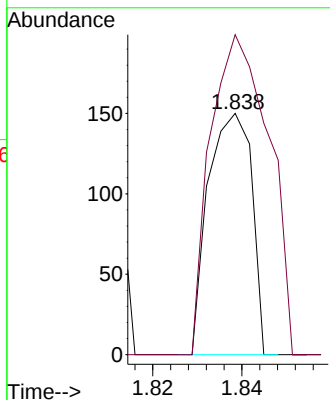
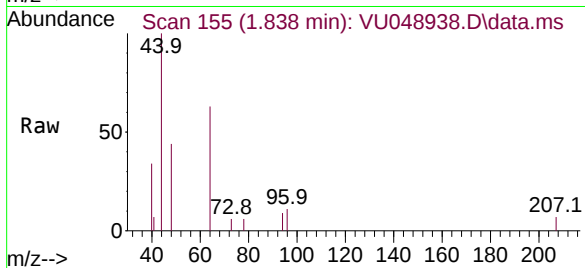




#5
Bromomethane
Concen: Below Cal
RT: 1.838 min Scan# 11
Delta R.T. -0.013 min
Lab File: VU048938.D
Acq: 08 Jun 2022 03:01

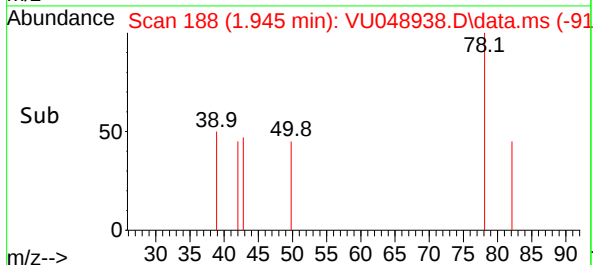
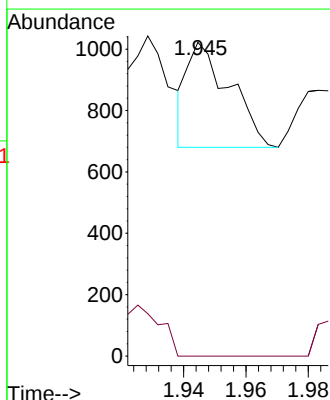
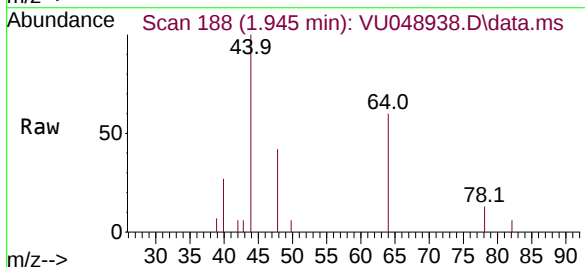
Instrument :
MSVOA_U
ClientSampleId :
11BR-20220601

Tgt Ion: 94 Resp: 101
Ion Ratio Lower Upper
94 100
96 132.7 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.945 min Scan# 188
Delta R.T. 0.013 min
Lab File: VU048938.D
Acq: 08 Jun 2022 03:01

Tgt Ion: 64 Resp: 325
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

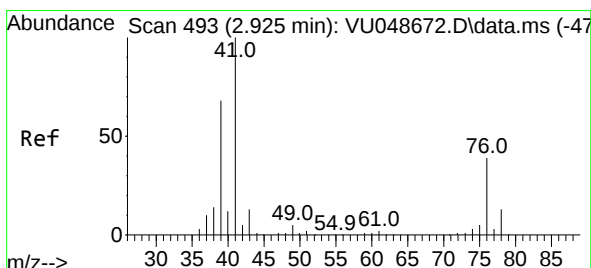
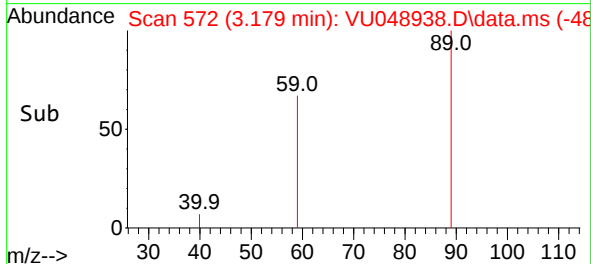
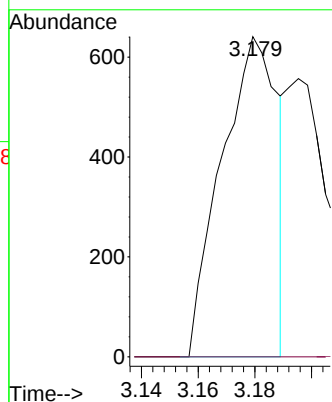
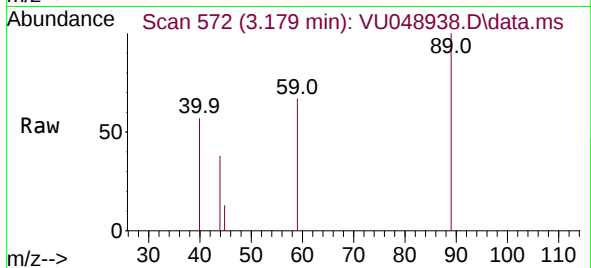




#11
Tert butyl alcohol
Concen: 0.906 ug/l
RT: 3.179 min Scan# 51
Delta R.T. -0.010 min
Lab File: VU048938.D
Acq: 08 Jun 2022 03:01

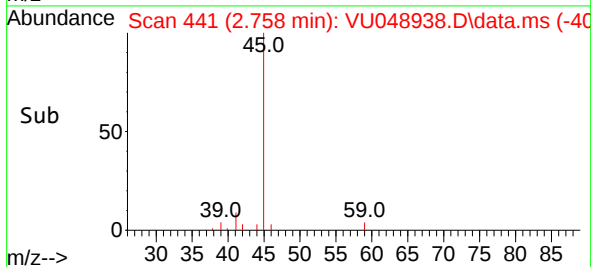
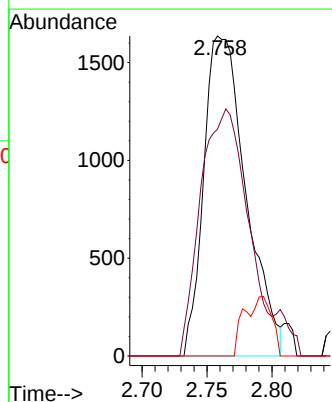
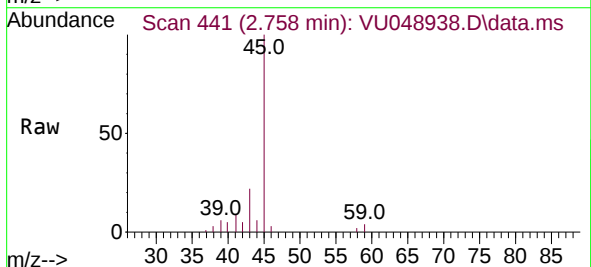
Instrument :
MSVOA_U
ClientSampleId :
11BR-20220601

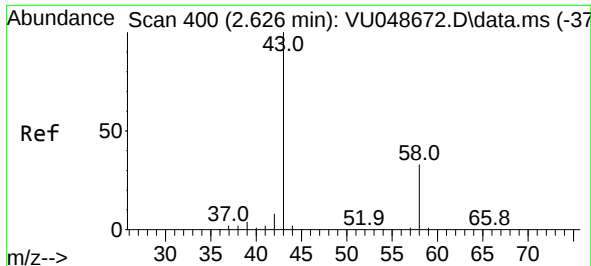
Tgt Ion: 59 Resp: 875
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#14
Allyl chloride
Concen: 0.740 ug/l
RT: 2.758 min Scan# 441
Delta R.T. -0.167 min
Lab File: VU048938.D
Acq: 08 Jun 2022 03:01

Tgt Ion: 41 Resp: 3702
Ion Ratio Lower Upper
41 100
39 86.0 48.6 72.8#
76 0.0 27.0 40.4#

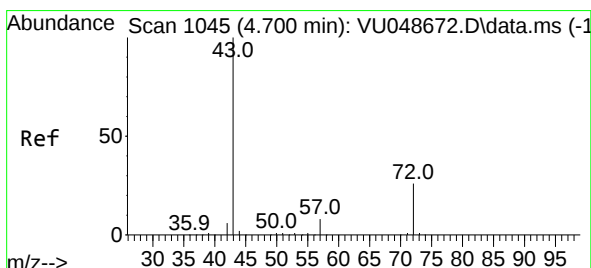
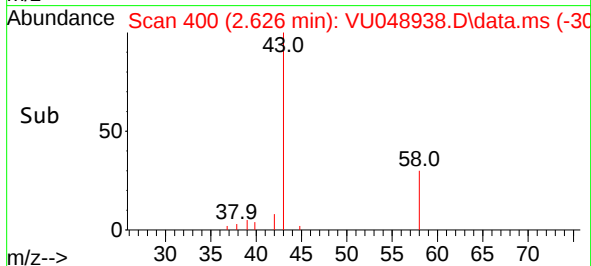
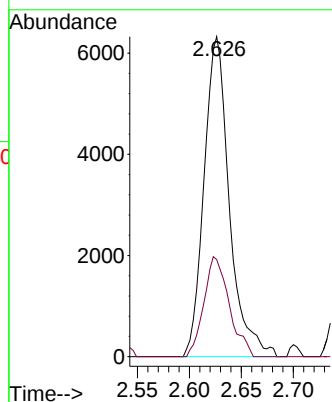
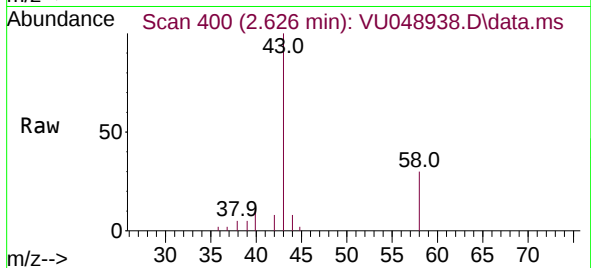




#16
Acetone
Concen: 5.511 ug/l
RT: 2.626 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU048938.D
Acq: 08 Jun 2022 03:01

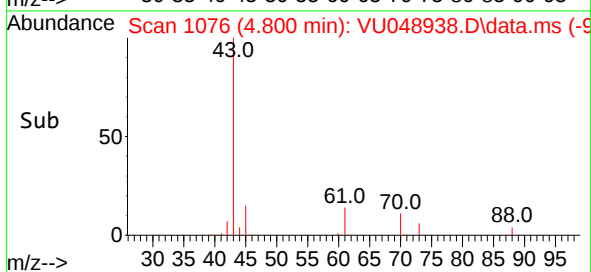
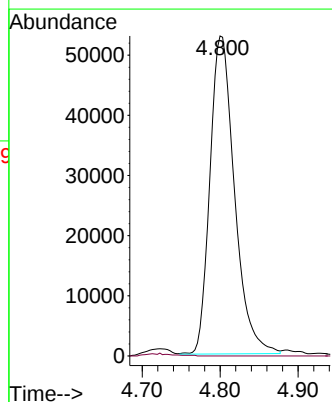
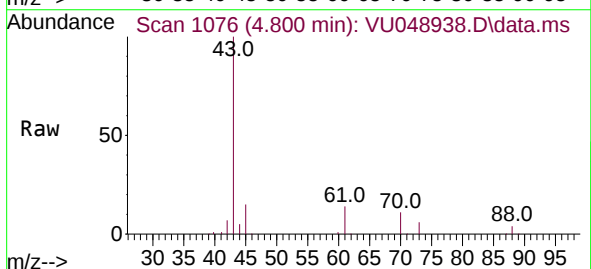
Instrument :
MSVOA_U
ClientSampleId :
11BR-20220601

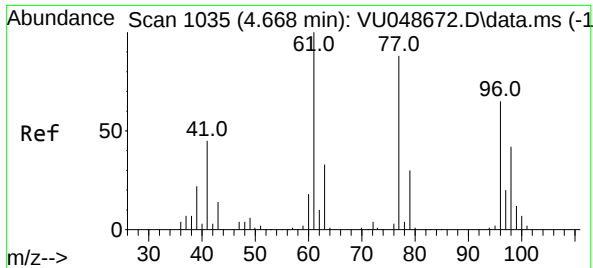
Tgt Ion: 43 Resp: 10705
Ion Ratio Lower Upper
43 100
58 30.4 26.3 39.5



#25
2-Butanone
Concen: 41.575 ug/l
RT: 4.800 min Scan# 1076
Delta R.T. 0.100 min
Lab File: VU048938.D
Acq: 08 Jun 2022 03:01

Tgt Ion: 43 Resp: 116011
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#





#27

cis-1,2-Dichloroethene

Concen: 0.480 ug/l

RT: 4.665 min Scan# 110

Delta R.T. -0.003 min

Lab File: VU048938.D

Acq: 08 Jun 2022 03:01

Instrument :

MSVOA_U

ClientSampleId :

11BR-20220601

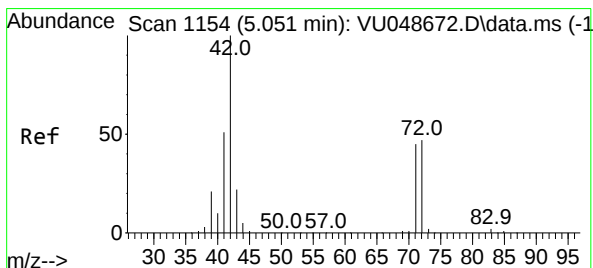
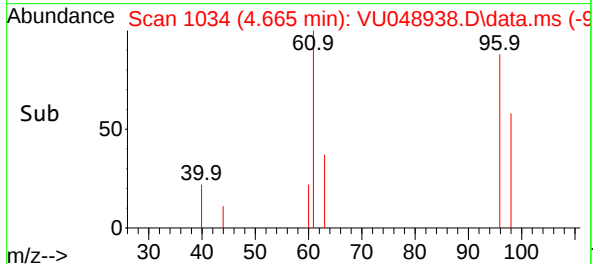
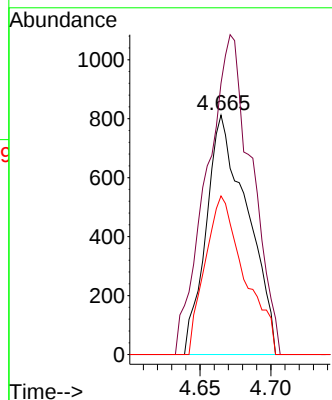
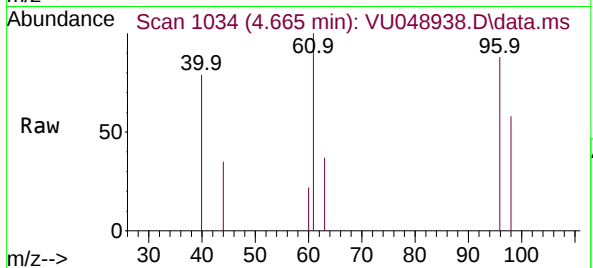
Tgt Ion: 96 Resp: 1640

Ion Ratio Lower Upper

96 100

61 146.3 0.0 306.2

98 63.5 0.0 130.4



#29

Tetrahydrofuran

Concen: 1.548 ug/l

RT: 5.060 min Scan# 1157

Delta R.T. 0.010 min

Lab File: VU048938.D

Acq: 08 Jun 2022 03:01

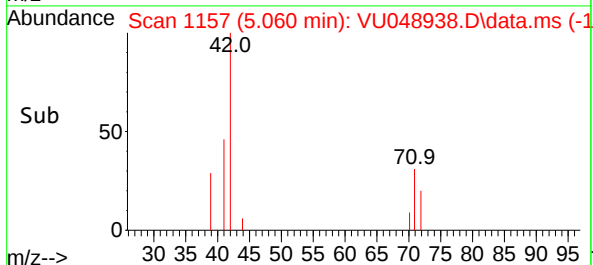
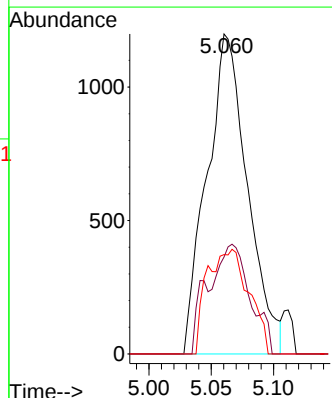
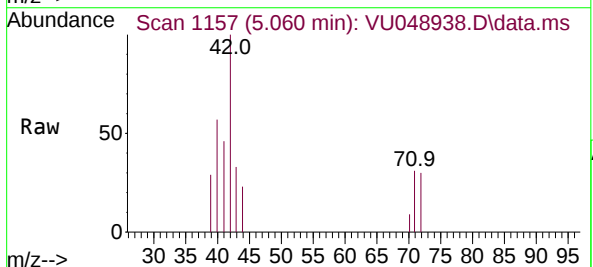
Tgt Ion: 42 Resp: 2721

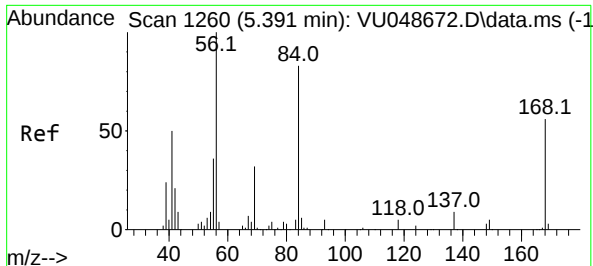
Ion Ratio Lower Upper

42 100

72 27.1 37.6 56.4#

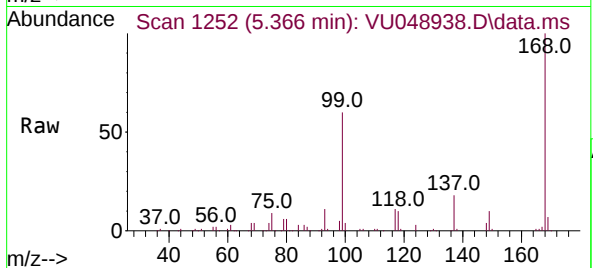
71 33.6 35.0 52.4#



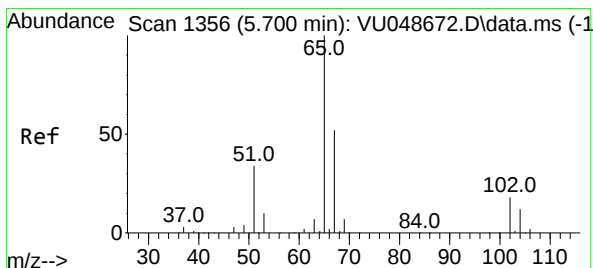
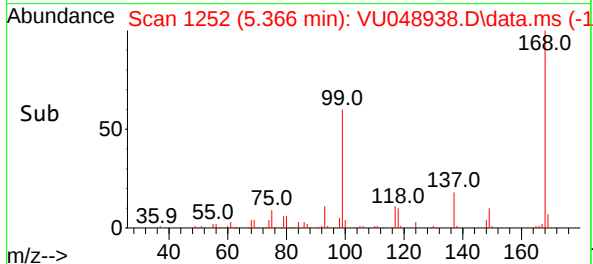
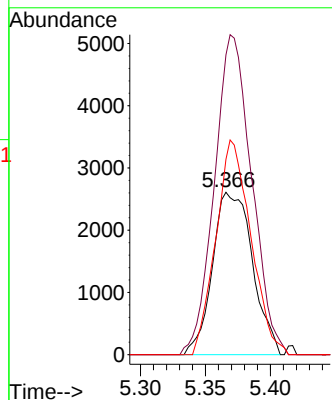


#31
Cyclohexane
Concen: 1.163 ug/l
RT: 5.366 min Scan# 1252
Delta R.T. -0.026 min
Lab File: VU048938.D
Acq: 08 Jun 2022 03:01

Instrument :
MSVOA_U
ClientSampleId :
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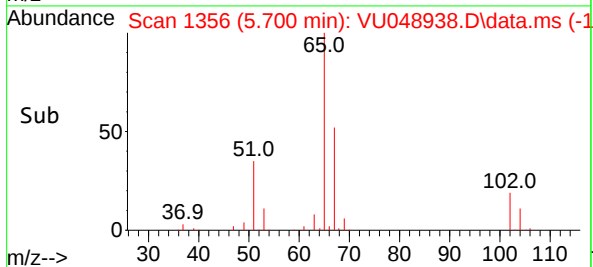
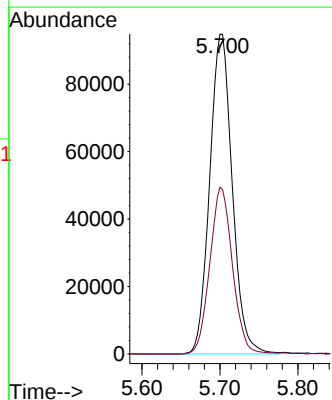
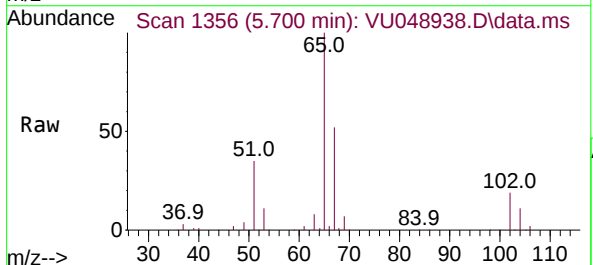


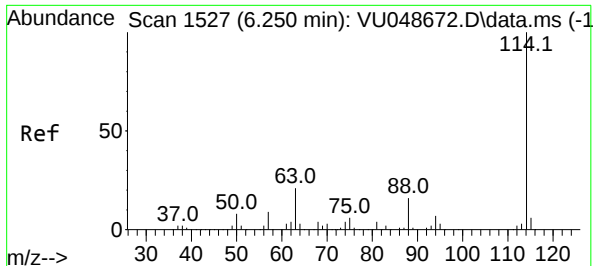
Tgt Ion: 56 Resp: 5588
Ion Ratio Lower Upper
56 100
69 184.6 25.6 38.4#
84 120.3 66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 50.100 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. 0.000 min
Lab File: VU048938.D
Acq: 08 Jun 2022 03:01

Tgt Ion: 65 Resp: 190952
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU048938.D

Acq: 08 Jun 2022 03:01

Instrument :

MSVOA_U

ClientSampleId :

11BR-20220601

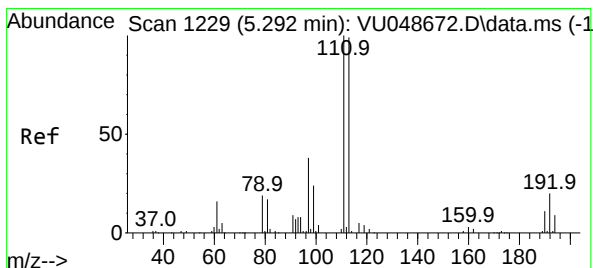
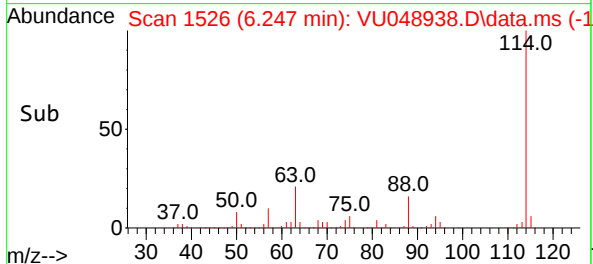
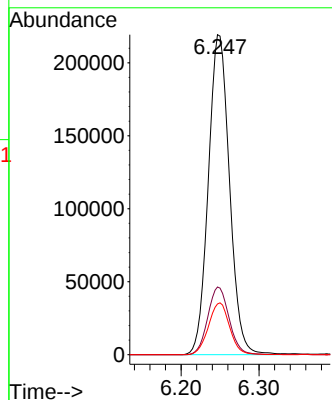
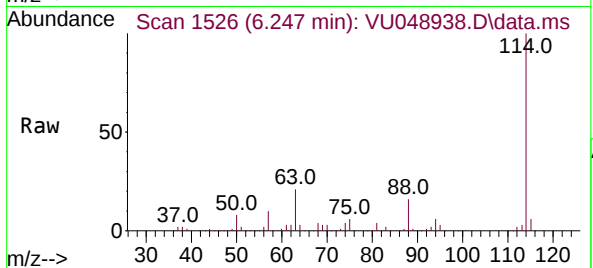
Tgt Ion:114 Resp: 413474

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.6

88 15.9 0.0 32.2



#35

Dibromofluoromethane

Concen: 48.779 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU048938.D

Acq: 08 Jun 2022 03:01

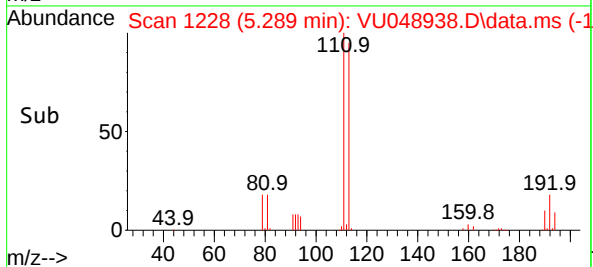
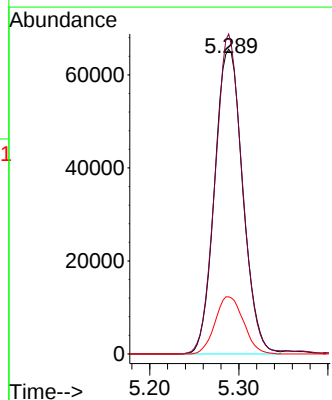
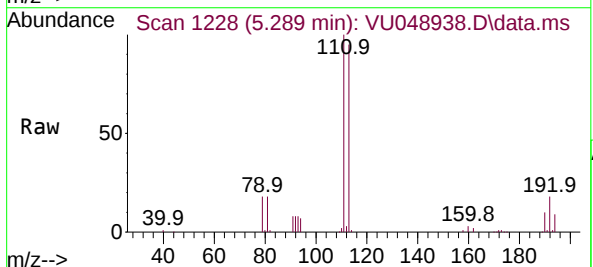
Tgt Ion:113 Resp: 143890

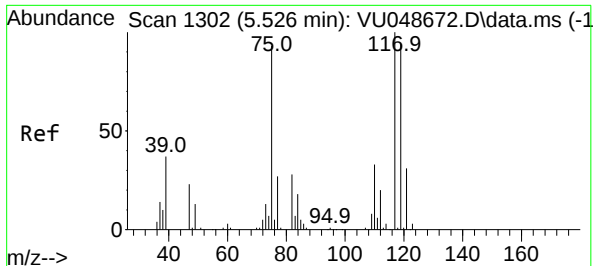
Ion Ratio Lower Upper

113 100

111 101.8 80.7 121.1

192 18.9 15.9 23.9

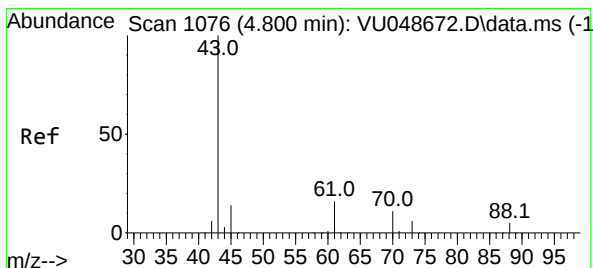
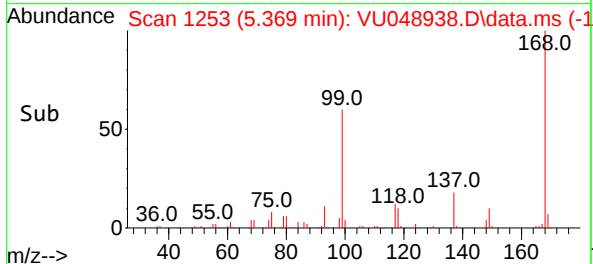
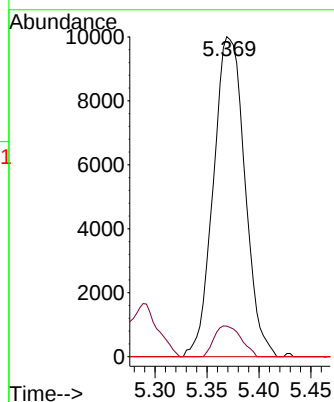
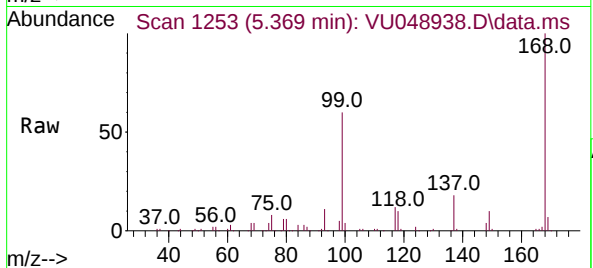




#36
1,1-Dichloropropene
Concen: 4.882 ug/l
RT: 5.369 min Scan# 11
Delta R.T. -0.158 min
Lab File: VU048938.D
Acq: 08 Jun 2022 03:01

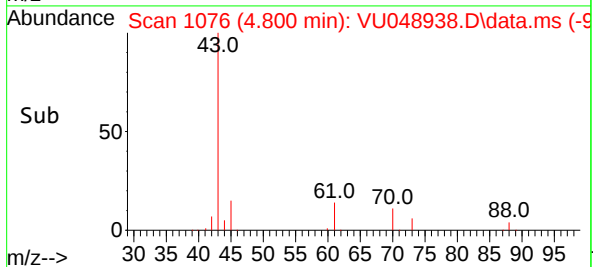
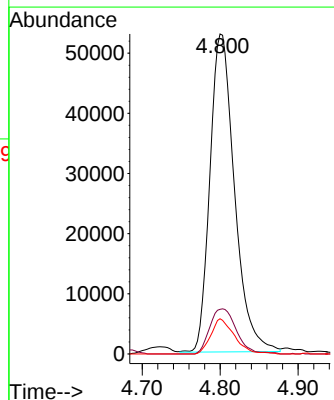
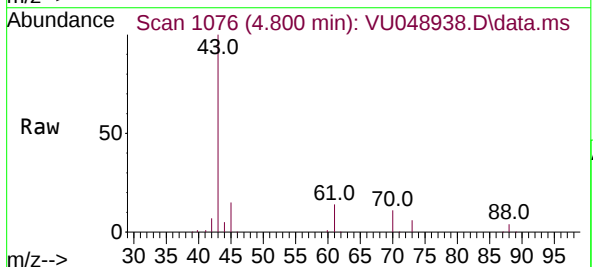
Instrument :
MSVOA_U
ClientSampleId :
11BR-20220601

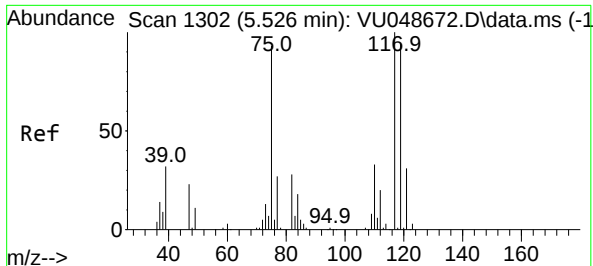
Tgt Ion: 75 Resp: 21018
Ion Ratio Lower Upper
75 100
110 8.2 17.4 52.3#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 21.315 ug/l
RT: 4.800 min Scan# 1076
Delta R.T. 0.000 min
Lab File: VU048938.D
Acq: 08 Jun 2022 03:01

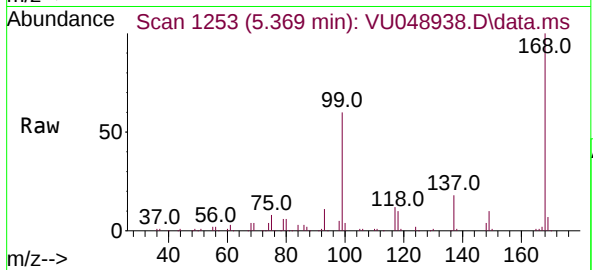
Tgt Ion: 43 Resp: 116011
Ion Ratio Lower Upper
43 100
61 15.4 11.7 17.5
70 10.4 8.4 12.6



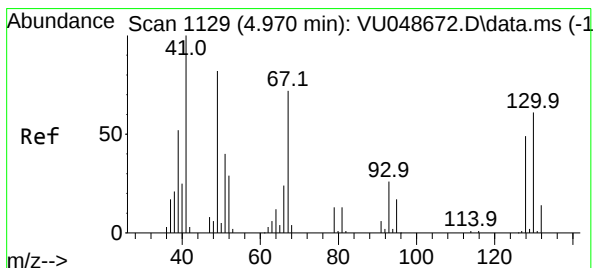
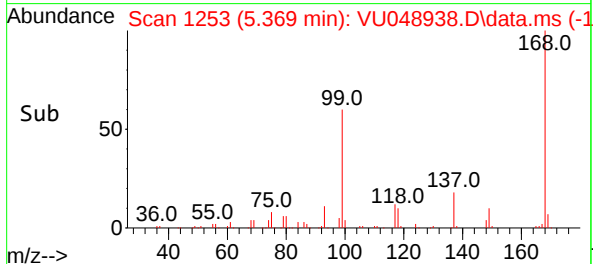
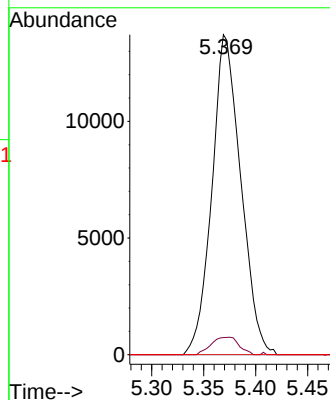


#38
Carbon Tetrachloride
Concen: 5.363 ug/l
RT: 5.369 min Scan# 1155
Delta R.T. -0.158 min
Lab File: VU048938.D
Acq: 08 Jun 2022 03:01

Instrument :
MSVOA_U
ClientSampleId :
11BR-20220601

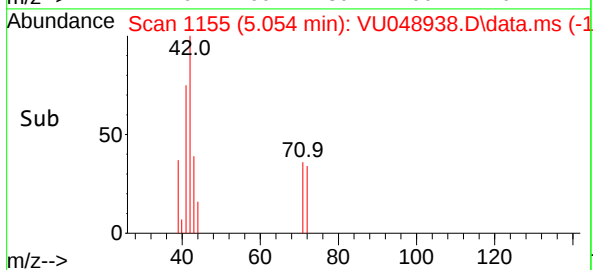
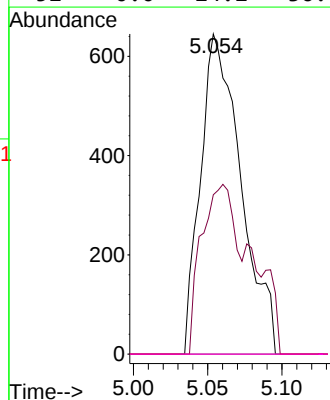
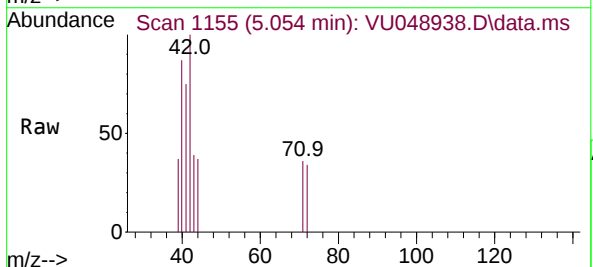


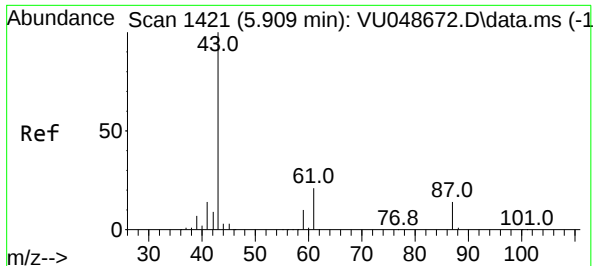
Tgt Ion:117 Resp: 26491
Ion Ratio Lower Upper
117 100
119 5.3 75.4 113.2#
121 0.0 24.6 36.8#



#41
Methacrylonitrile
Concen: 0.444 ug/l
RT: 5.054 min Scan# 1155
Delta R.T. 0.084 min
Lab File: VU048938.D
Acq: 08 Jun 2022 03:01

Tgt Ion: 41 Resp: 1222
Ion Ratio Lower Upper
41 100
39 46.0 42.6 64.0
67 0.0 61.0 91.4#
52 0.0 24.2 36.4#





#43

Isopropyl Acetate

Concen: 0.451 ug/l

RT: 6.157 min Scan# 1421

Delta R.T. 0.248 min

Lab File: VU048938.D

Acq: 08 Jun 2022 03:01

Instrument :

MSVOA_U

ClientSampleId :

11BR-20220601

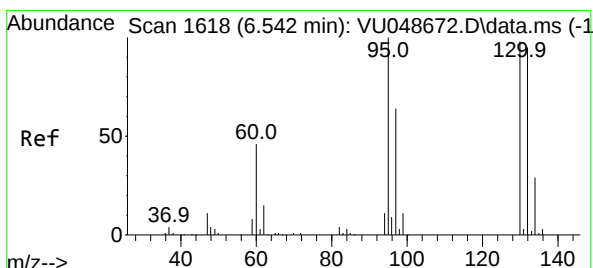
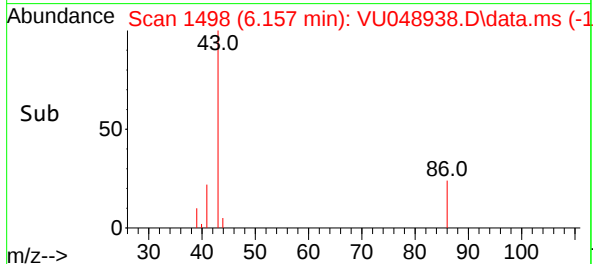
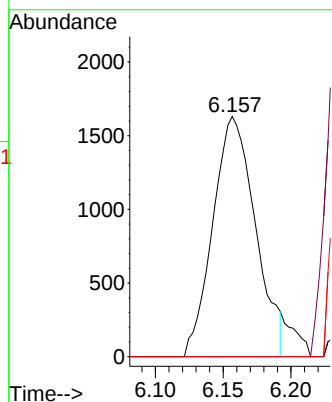
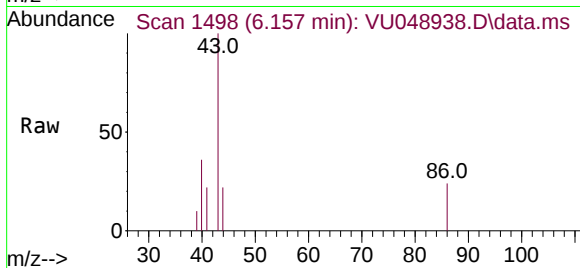
Tgt Ion: 43 Resp: 3559

Ion Ratio Lower Upper

43 100

61 0.0 16.7 25.1#

87 0.0 10.9 16.3#



#44

Trichloroethene

Concen: 0.365 ug/l

RT: 6.539 min Scan# 1617

Delta R.T. -0.003 min

Lab File: VU048938.D

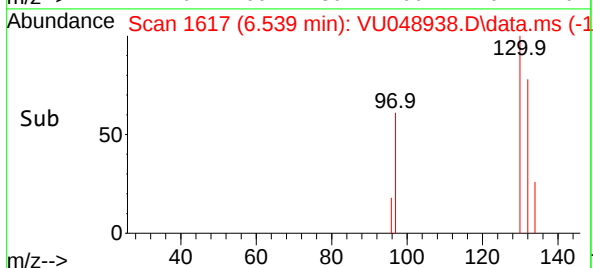
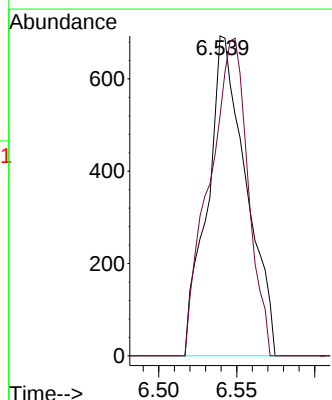
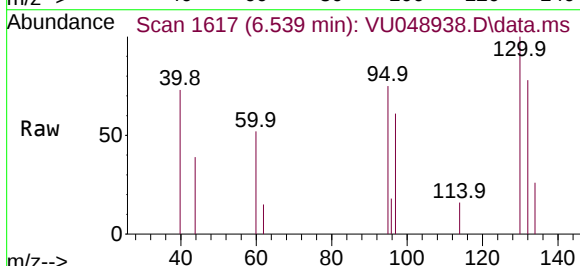
Acq: 08 Jun 2022 03:01

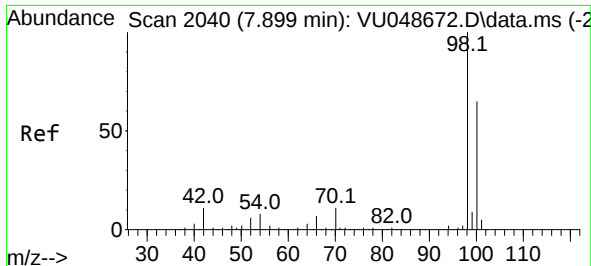
Tgt Ion: 130 Resp: 1195

Ion Ratio Lower Upper

130 100

95 75.0 0.0 204.8

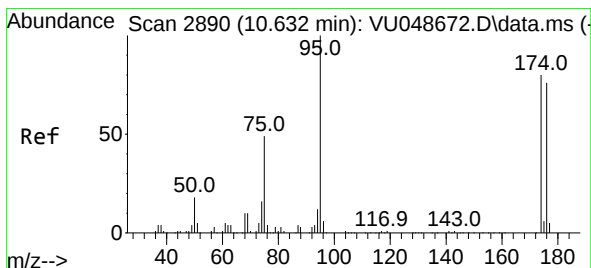
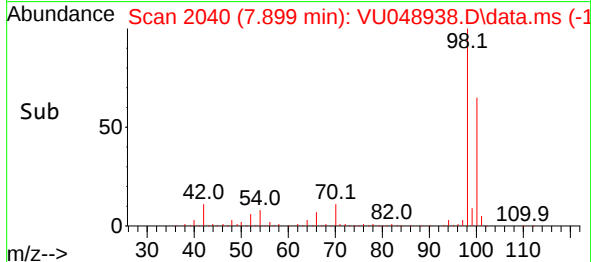
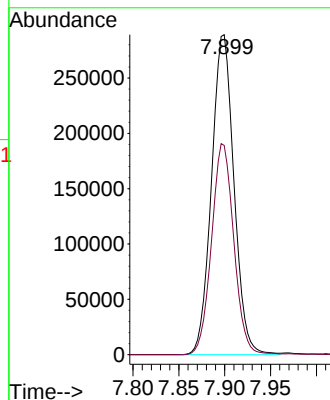
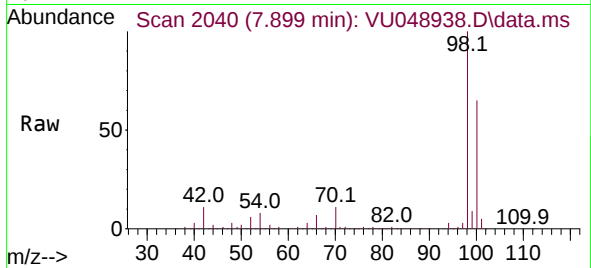




#50
Toluene-d8
Concen: 46.572 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU048938.D
Acq: 08 Jun 2022 03:01

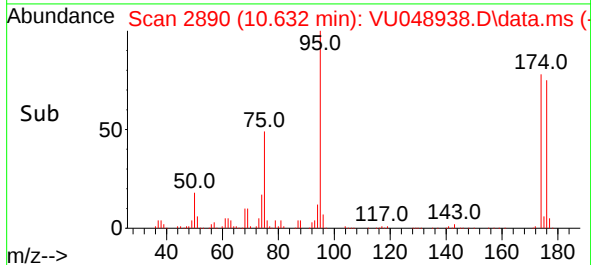
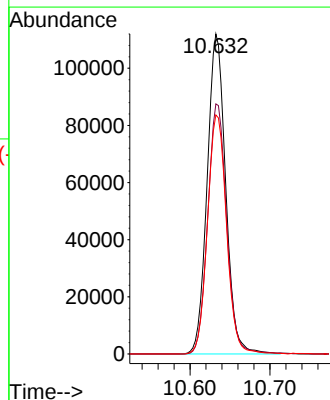
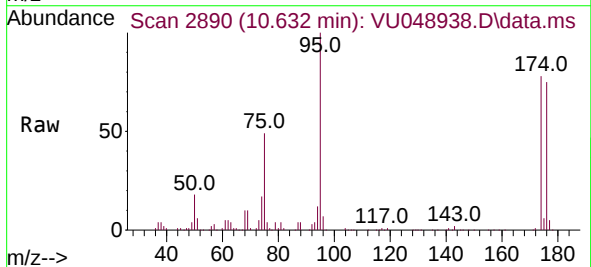
Instrument :
MSVOA_U
ClientSampleId :
11BR-20220601

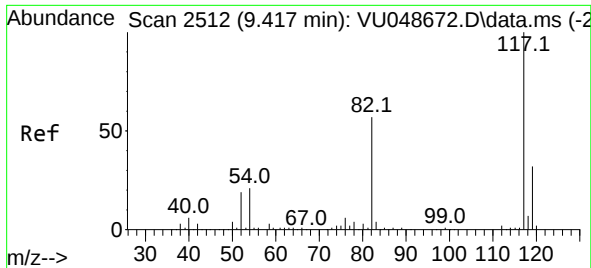
Tgt Ion: 98 Resp: 492450
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 45.131 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.000 min
Lab File: VU048938.D
Acq: 08 Jun 2022 03:01

Tgt Ion: 95 Resp: 180481
Ion Ratio Lower Upper
95 100
174 80.0 0.0 159.4
176 76.8 0.0 152.4

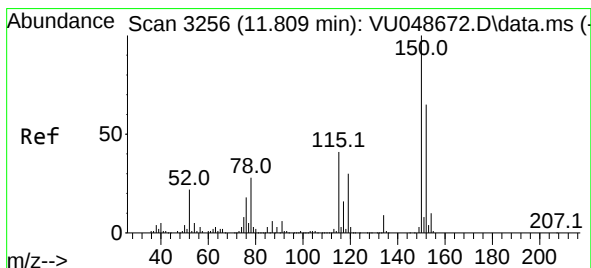
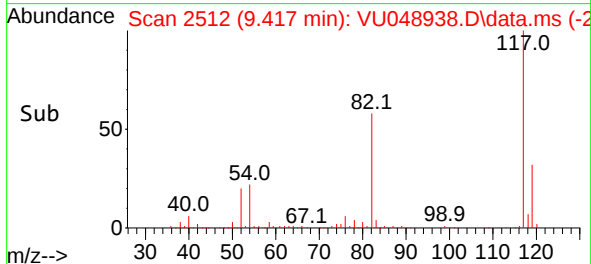
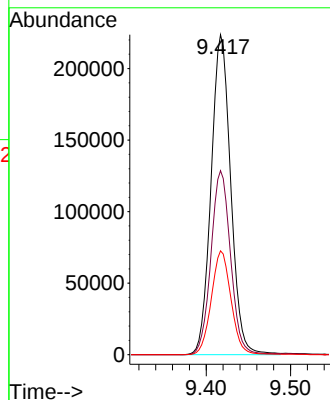
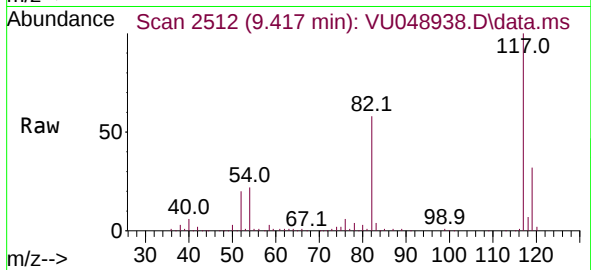




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048938.D
Acq: 08 Jun 2022 03:01

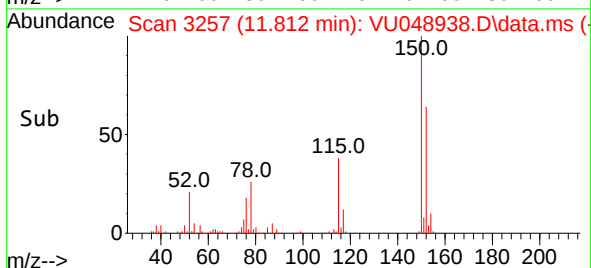
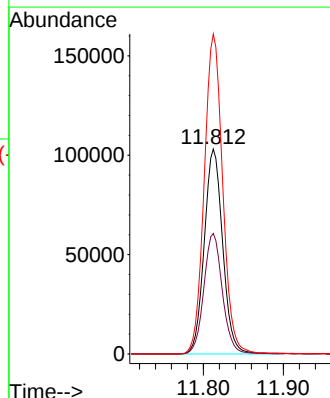
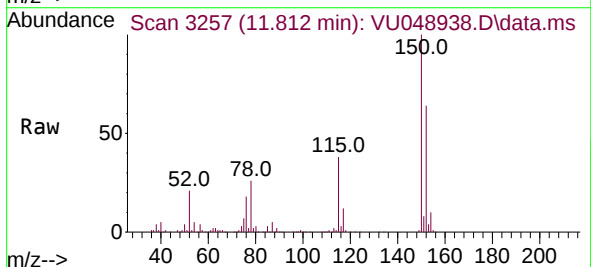
Instrument :
MSVOA_U
ClientSampleId :
11BR-20220601

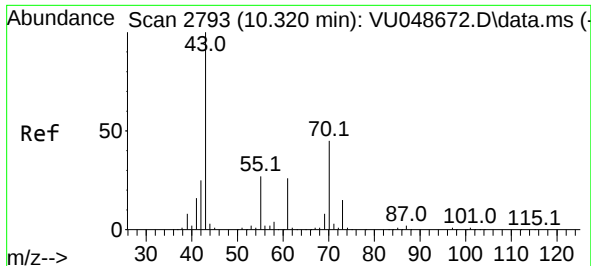
Tgt Ion:117 Resp: 362124
Ion Ratio Lower Upper
117 100
82 57.5 45.3 67.9
119 32.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048938.D
Acq: 08 Jun 2022 03:01

Tgt Ion:152 Resp: 165718
Ion Ratio Lower Upper
152 100
115 59.1 41.8 125.4
150 156.0 0.0 341.0

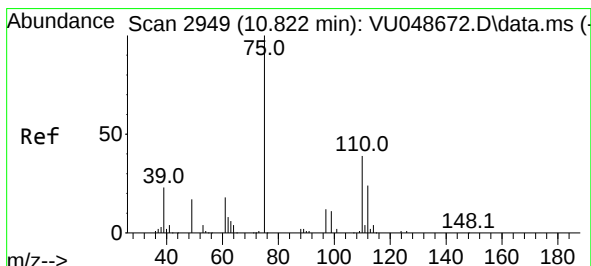
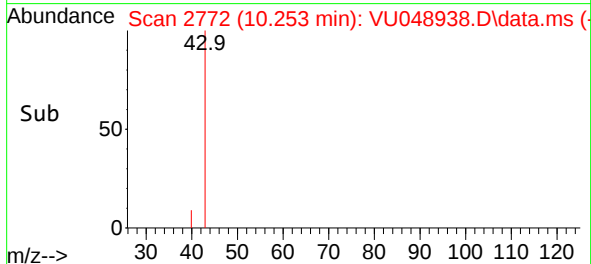
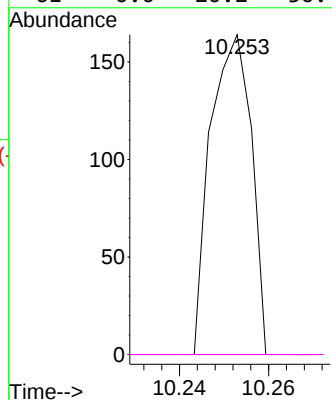
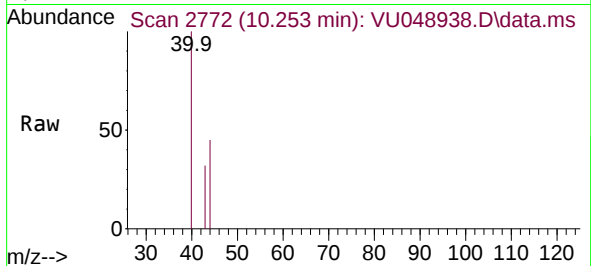




#74
N-amy1 acetate
Concen: 2.485 ug/l
RT: 10.253 min Scan# 21
Delta R.T. -0.067 min
Lab File: VU048938.D
Acq: 08 Jun 2022 03:01

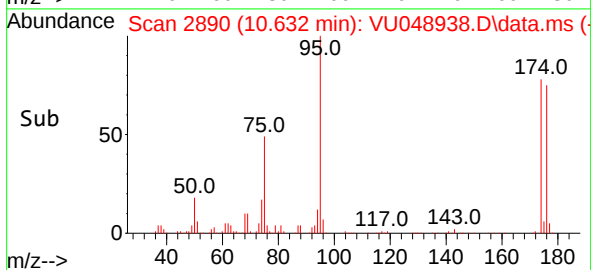
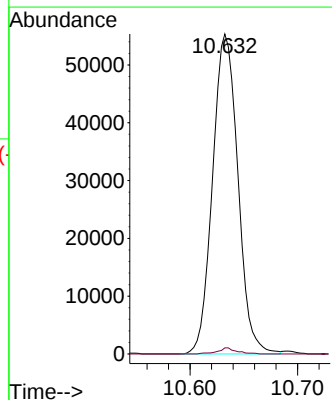
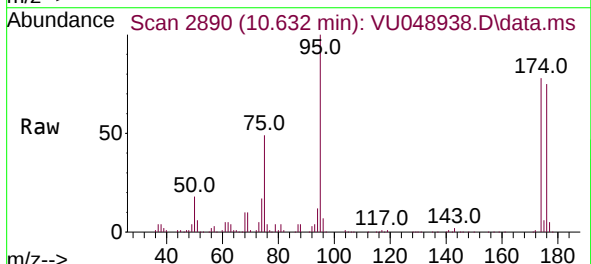
Instrument :
MSVOA_U
ClientSampleId :
11BR-20220601

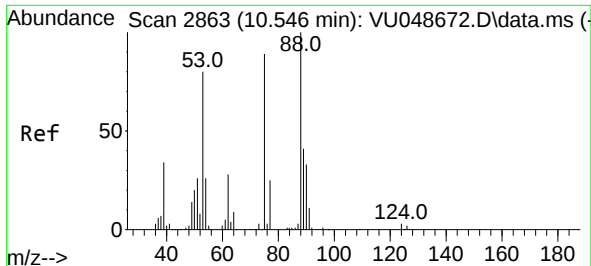
Tgt Ion: 43	Resp:	104
Ion	Ratio	Lower Upper
43	100	
70	0.0	35.8 53.6#
55	0.0	21.1 31.7#
61	0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 16.946 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048938.D
Acq: 08 Jun 2022 03:01

Tgt Ion: 75	Resp:	90546
Ion	Ratio	Lower Upper
75	100	
77	1.4	14.8 44.3#

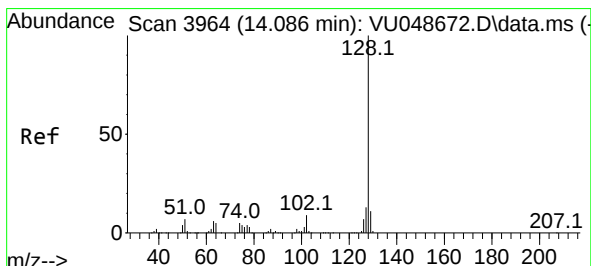
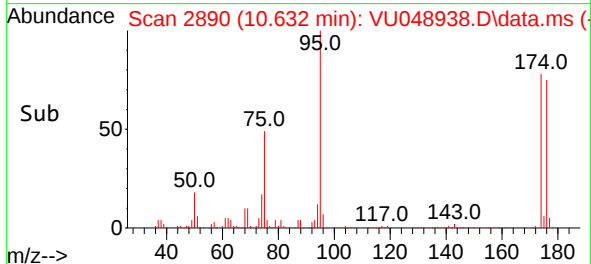
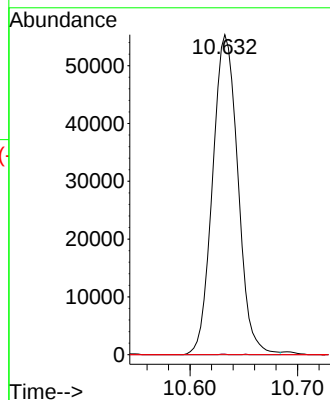
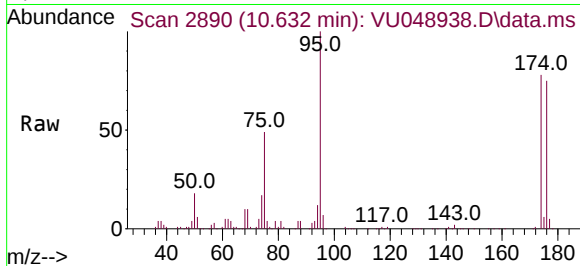




#81
trans-1,4-Dichloro-2-butene
Concen: 61.529 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048938.D
Acq: 08 Jun 2022 03:01

Instrument :
MSVOA_U
ClientSampleId :
11BR-20220601

Tgt Ion: 75 Resp: 90546
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 2.569 ug/l
RT: 14.121 min Scan# 3975
Delta R.T. 0.035 min
Lab File: VU048938.D
Acq: 08 Jun 2022 03:01

Tgt Ion: 128 Resp: 495
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.7 13.1#

