

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
 Data File : VU048908.D
 Acq On : 07 Jun 2022 14:38
 Operator : SY/MD
 Sample : N3165-09DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 60BR-20220531DL

Quant Time: Jun 08 04:52:18 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

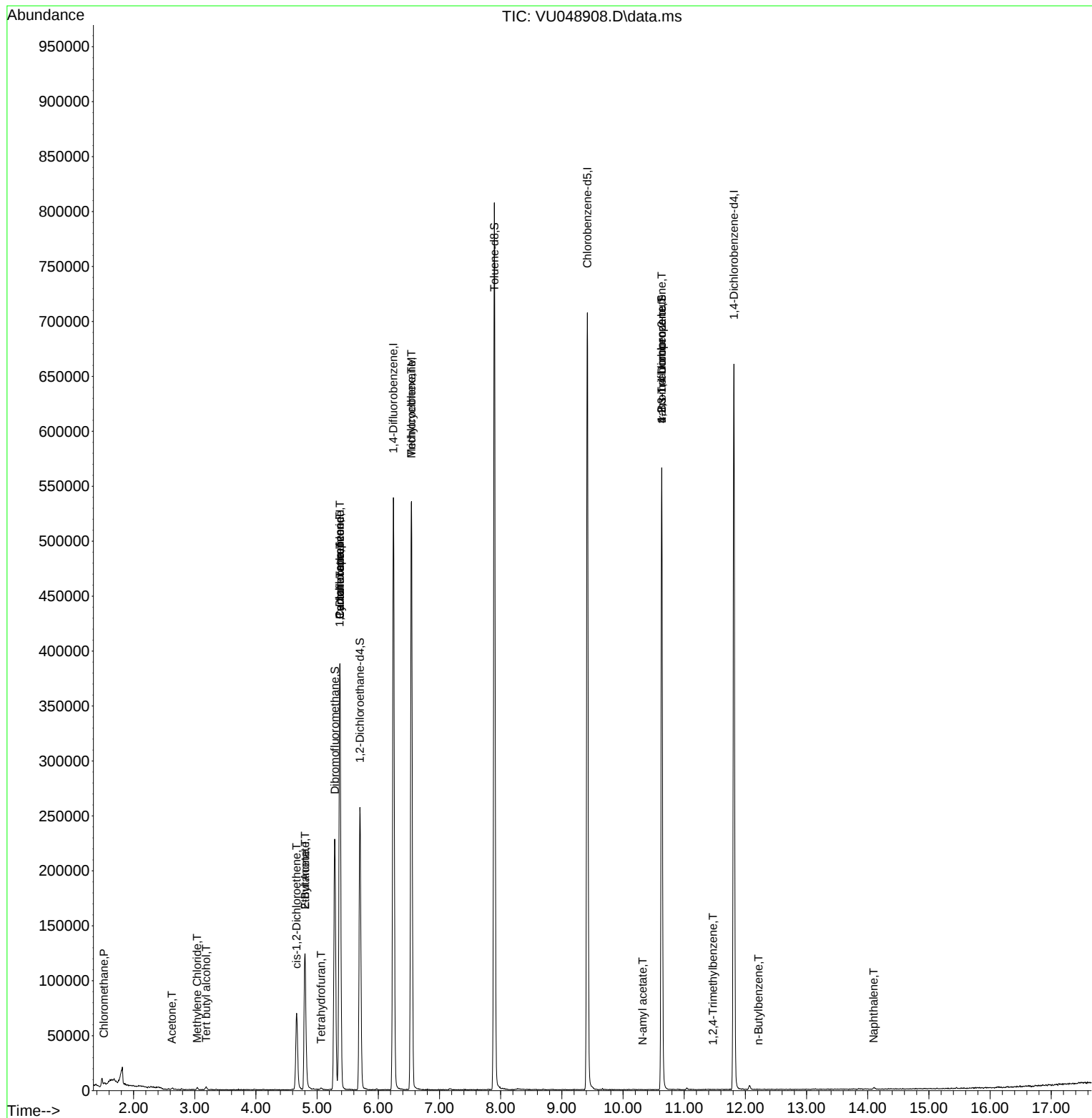
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.372	168	261049	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	425648	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	389529	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	177536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	195502	49.867	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.740%
35) Dibromofluoromethane	5.288	113	146963	48.396	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.800%
50) Toluene-d8	7.896	98	521280	47.888	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.780%
62) 4-Bromofluorobenzene	10.632	95	188094	45.690	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.380%
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	938	0.244	ug/l #	43
5) Bromomethane	1.826	94	329	Below Cal	#	3
6) Chloroethane	1.935	64	290	Below Cal		94
11) Tert butyl alcohol	3.189	59	1784	1.795	ug/l #	28
13) Acrolein	2.475	56	20	Below Cal	#	14
16) Acetone	2.626	43	1494	0.748	ug/l #	81
20) Methylene Chloride	3.038	84	802	0.236	ug/l #	86
25) 2-Butanone	4.803	43	166786	58.108	ug/l #	49
27) cis-1,2-Dichloroethene	4.665	96	35708	10.150	ug/l	89
29) Tetrahydrofuran	5.063	42	1159	0.641	ug/l #	49
31) Cyclohexane	5.372	56	5661	1.146	ug/l #	1
36) 1,1-Dichloropropene	5.369	75	22061	4.978	ug/l #	49
37) Ethyl Acetate	4.803	43	166786	29.768	ug/l	99
38) Carbon Tetrachloride	5.372	117	27652	5.438	ug/l #	18
39) Methylcyclohexane	6.539	83	2317	0.499	ug/l #	1
44) Trichloroethene	6.542	130	179981	53.391	ug/l	98
74) N-amyl acetate	10.320	43	20	2.470	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	97258	16.991	ug/l #	48
81) trans-1,4-Dichloro-2-b...	10.632	75	97258	61.691	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.471	105	79	1.194	ug/l #	31
89) n-Butylbenzene	12.214	91	303	2.214	ug/l #	40
95) Naphthalene	14.098	128	2490	2.702	ug/l #	82

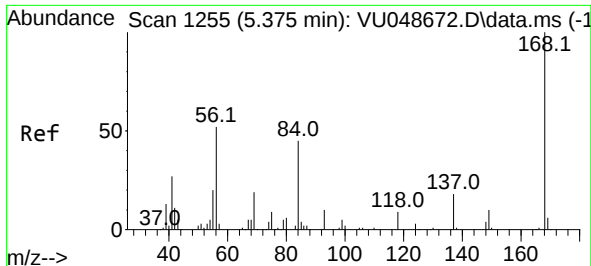
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
Data File : VU048908.D
Acq On : 07 Jun 2022 14:38
Operator : SY/MD
Sample : N3165-09DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
60BR-20220531DL

Quant Time: Jun 08 04:52:18 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

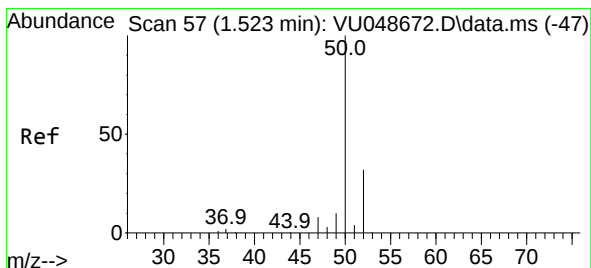
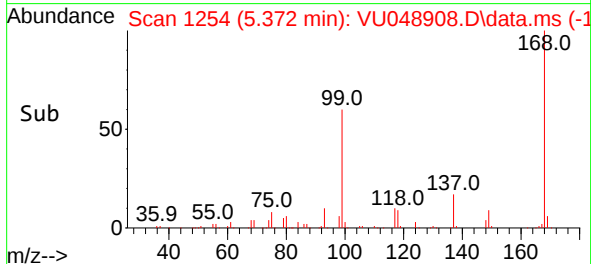
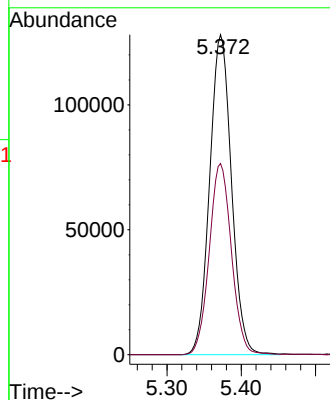
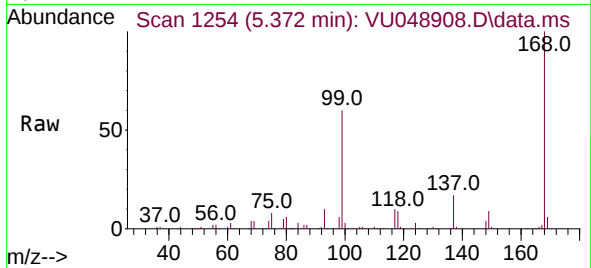




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048908.D
Acq: 07 Jun 2022 14:38

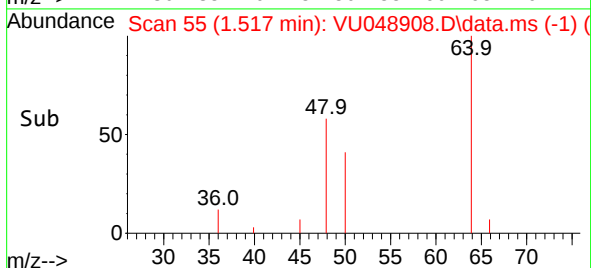
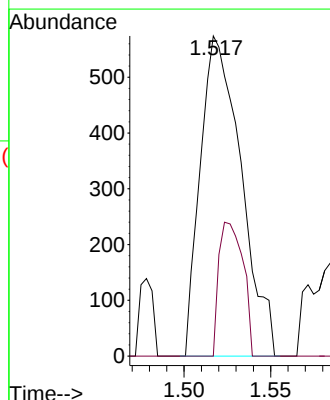
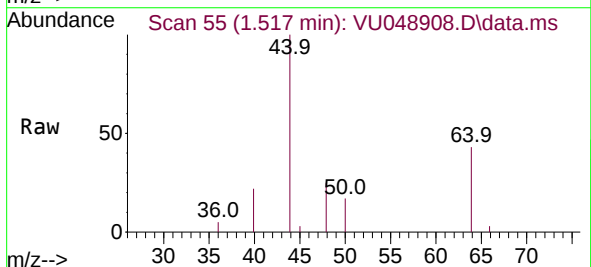
Instrument :
MSVOA_U
ClientSampleId :
60BR-20220531DL

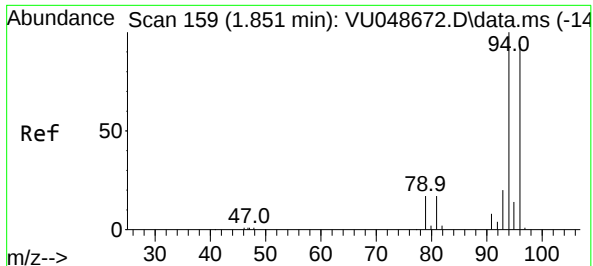
Tgt Ion:168 Resp: 261049
Ion Ratio Lower Upper
168 100
99 59.7 49.3 73.9



#3
Chloromethane
Concen: 0.244 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.007 min
Lab File: VU048908.D
Acq: 07 Jun 2022 14:38

Tgt Ion: 50 Resp: 938
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

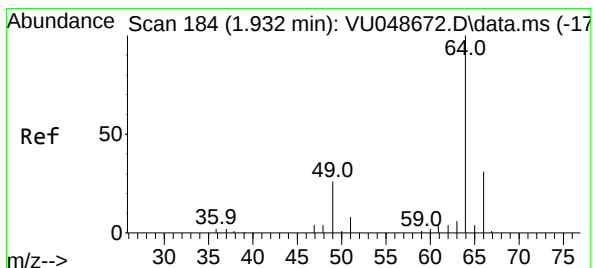
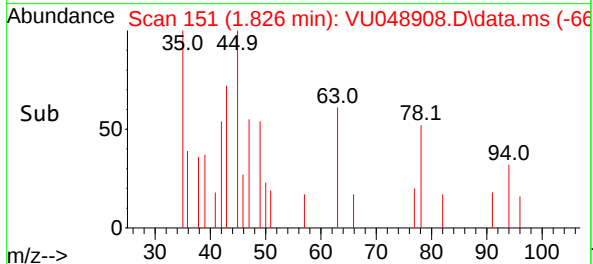
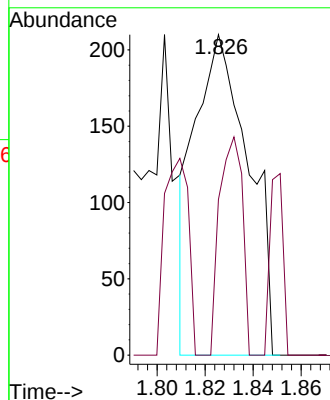
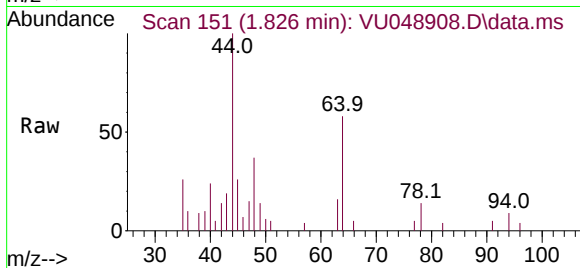




#5
Bromomethane
Concen: Below Cal
RT: 1.826 min Scan# 11
Delta R.T. -0.025 min
Lab File: VU048908.D
Acq: 07 Jun 2022 14:38

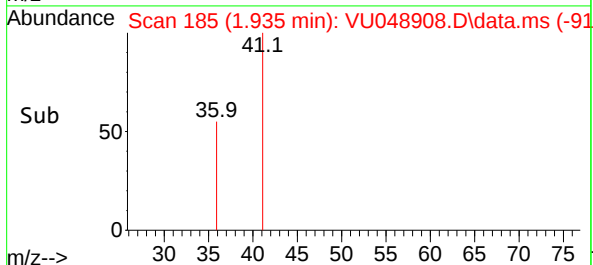
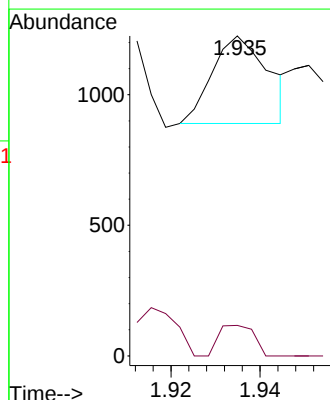
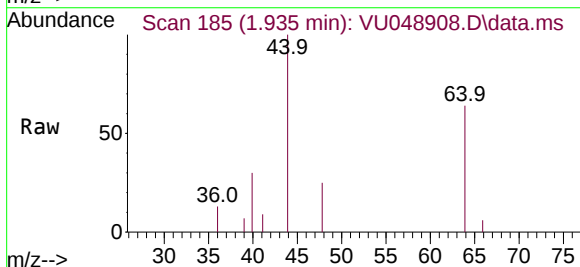
Instrument :
MSVOA_U
ClientSampleId :
60BR-20220531DL

Tgt Ion: 94 Resp: 329
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.935 min Scan# 185
Delta R.T. 0.003 min
Lab File: VU048908.D
Acq: 07 Jun 2022 14:38

Tgt Ion: 64 Resp: 290
Ion Ratio Lower Upper
64 100
66 34.9 25.2 37.8

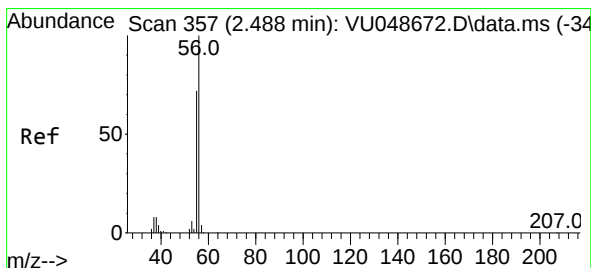
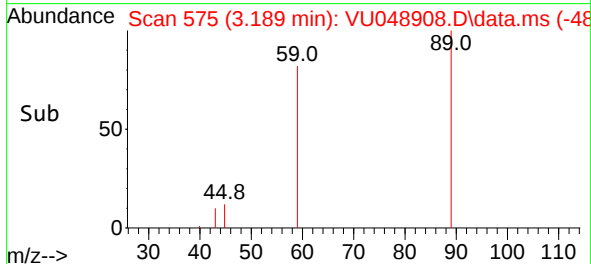
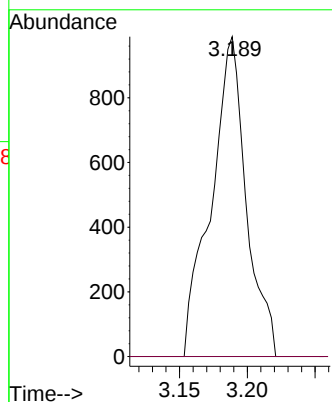
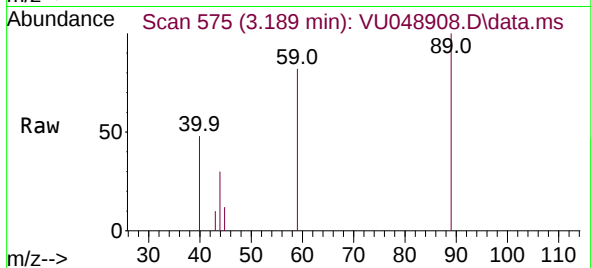




#11
Tert butyl alcohol
Concen: 1.795 ug/l
RT: 3.189 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU048908.D
Acq: 07 Jun 2022 14:38

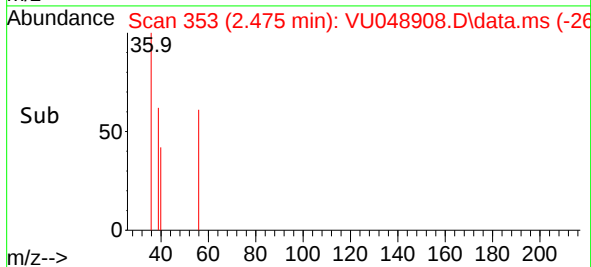
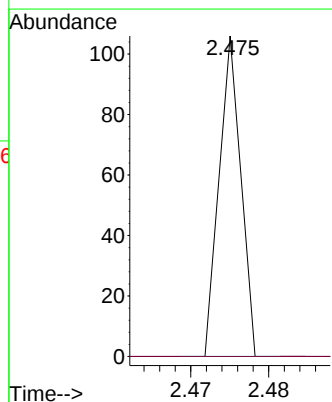
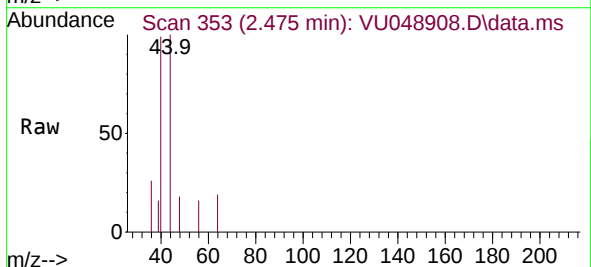
Instrument :
MSVOA_U
ClientSampleId :
60BR-20220531DL

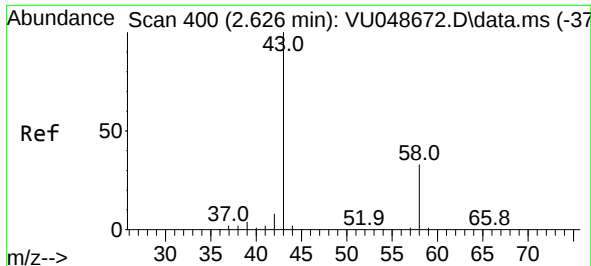
Tgt Ion: 59 Resp: 1784
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.475 min Scan# 353
Delta R.T. -0.013 min
Lab File: VU048908.D
Acq: 07 Jun 2022 14:38

Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#





#16

Acetone

Concen: 0.748 ug/l

RT: 2.626 min Scan# 40

Delta R.T. -0.000 min

Lab File: VU048908.D

Acq: 07 Jun 2022 14:38

Instrument :

MSVOA_U

ClientSampleId :

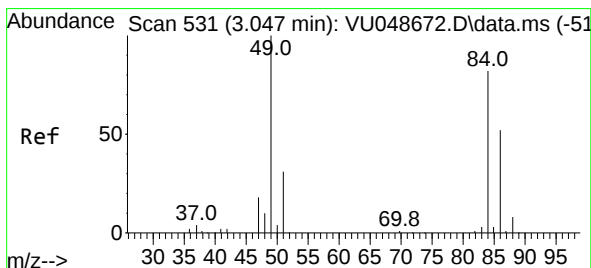
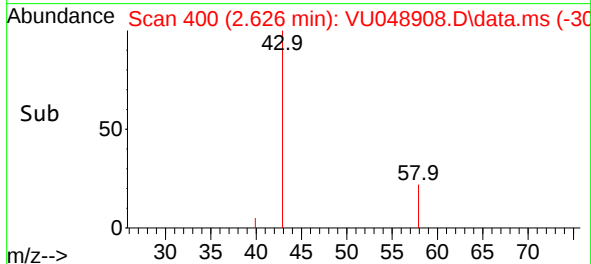
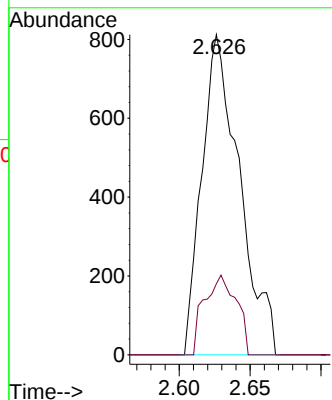
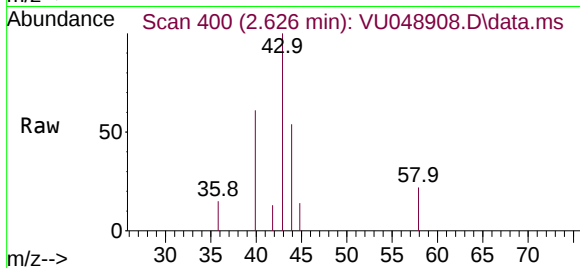
60BR-20220531DL

Tgt Ion: 43 Resp: 1494

Ion Ratio Lower Upper

43 100

58 22.2 26.3 39.5#



#20

Methylene Chloride

Concen: 0.236 ug/l

RT: 3.038 min Scan# 528

Delta R.T. -0.010 min

Lab File: VU048908.D

Acq: 07 Jun 2022 14:38

Tgt Ion: 84 Resp: 802

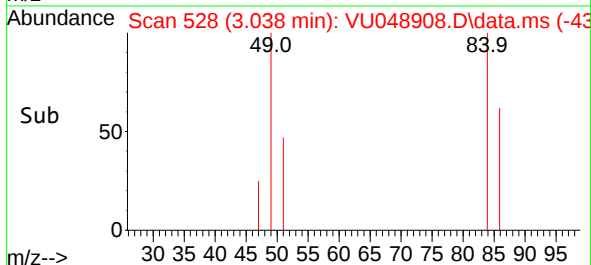
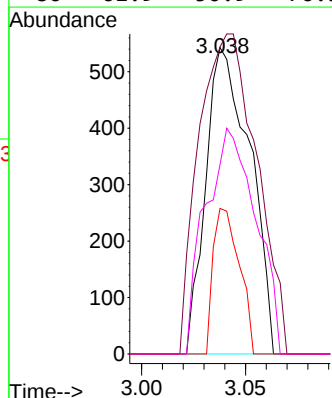
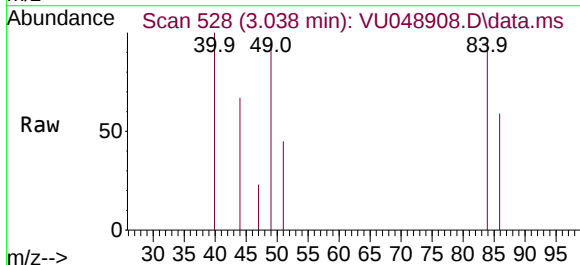
Ion Ratio Lower Upper

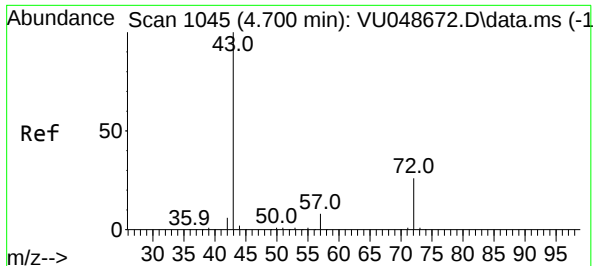
84 100

49 100.2 97.0 145.4

51 47.5 29.8 44.8#

86 61.9 50.9 76.3

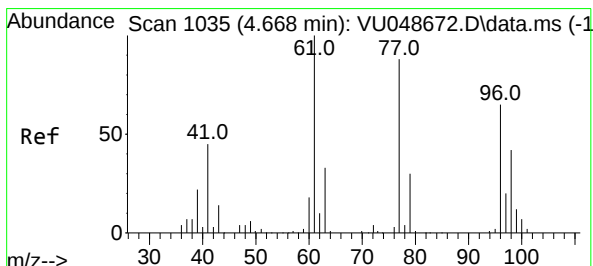
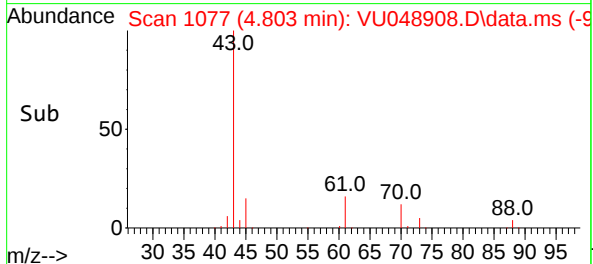
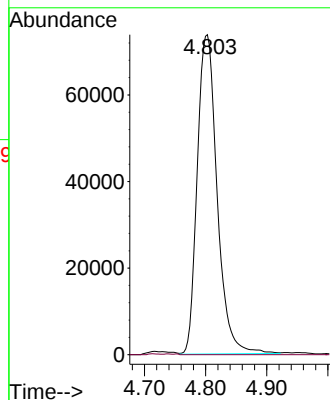
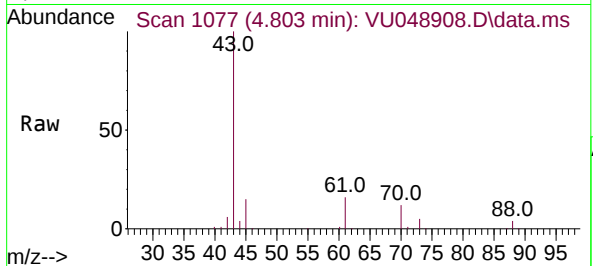




#25
2-Butanone
Concen: 58.108 ug/l
RT: 4.803 min Scan# 1077
Delta R.T. 0.103 min
Lab File: VU048908.D
Acq: 07 Jun 2022 14:38

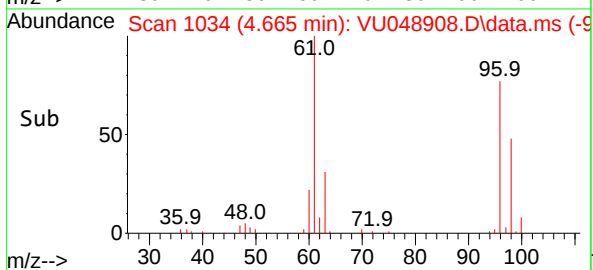
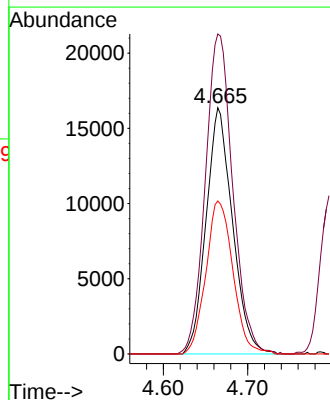
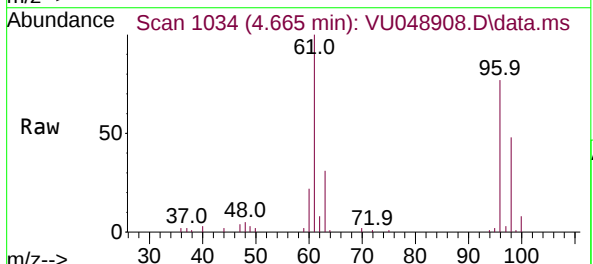
Instrument :
MSVOA_U
ClientSampleId :
60BR-20220531DL

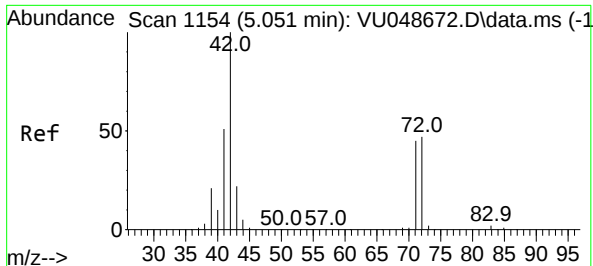
Tgt Ion: 43 Resp: 166786
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#



#27
cis-1,2-Dichloroethene
Concen: 10.150 ug/l
RT: 4.665 min Scan# 1034
Delta R.T. -0.003 min
Lab File: VU048908.D
Acq: 07 Jun 2022 14:38

Tgt Ion: 96 Resp: 35708
Ion Ratio Lower Upper
96 100
61 135.0 0.0 306.2
98 63.5 0.0 130.4





#29

Tetrahydrofuran

Concen: 0.641 ug/l

RT: 5.063 min Scan# 1154

Delta R.T. 0.013 min

Lab File: VU048908.D

Acq: 07 Jun 2022 14:38

Instrument :

MSVOA_U

ClientSampleId :

60BR-20220531DL

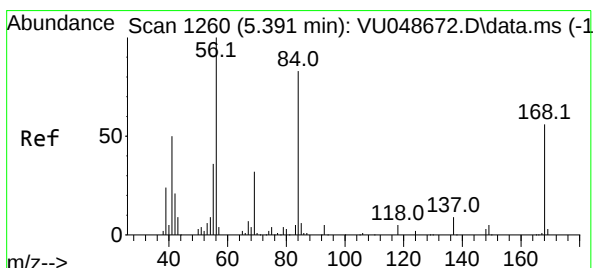
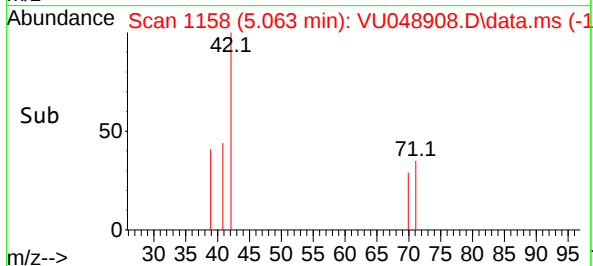
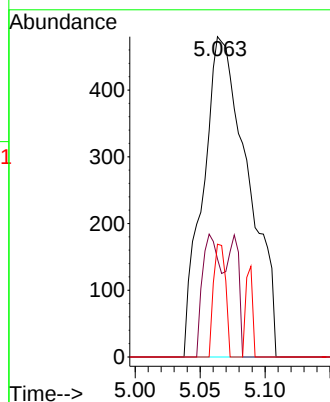
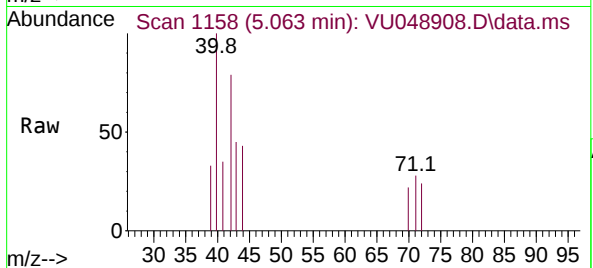
Tgt Ion: 42 Resp: 1159

Ion Ratio Lower Upper

42 100

72 14.8 37.6 56.4#

71 9.3 35.0 52.4#



#31

Cyclohexane

Concen: 1.146 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.019 min

Lab File: VU048908.D

Acq: 07 Jun 2022 14:38

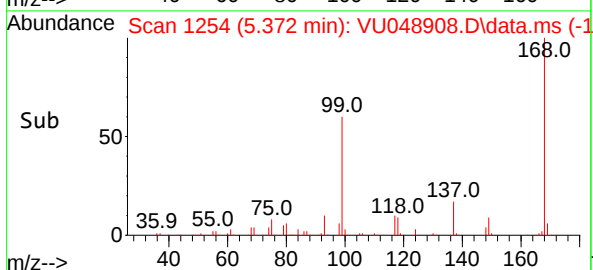
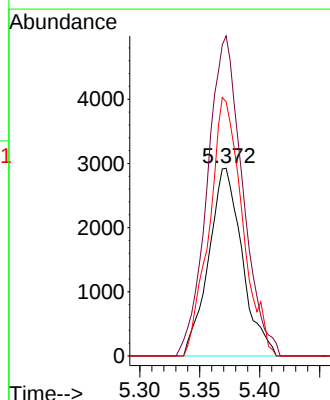
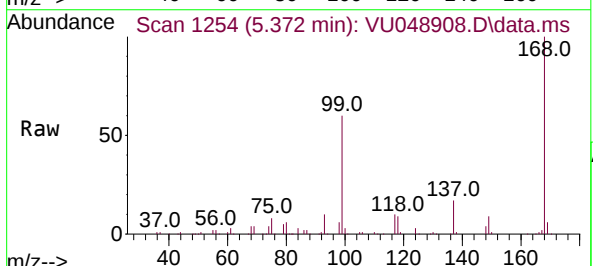
Tgt Ion: 56 Resp: 5661

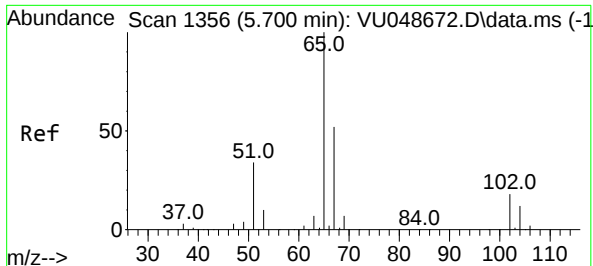
Ion Ratio Lower Upper

56 100

69 170.5 25.6 38.4#

84 135.5 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 49.867 ug/l

RT: 5.700 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU048908.D

Acq: 07 Jun 2022 14:38

Instrument :

MSVOA_U

ClientSampleId :

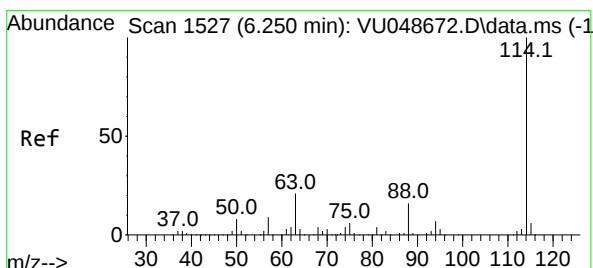
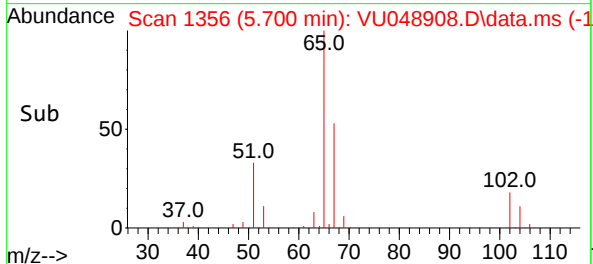
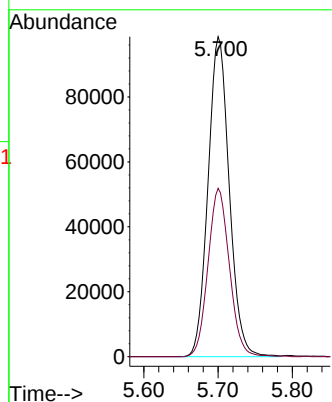
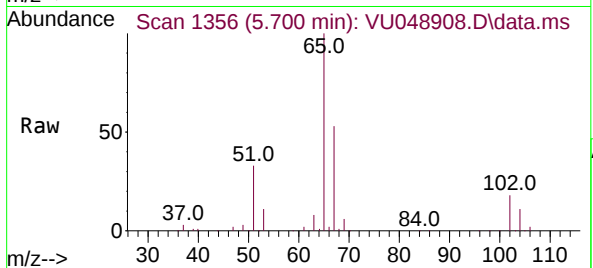
60BR-20220531DL

Tgt Ion: 65 Resp: 195502

Ion Ratio Lower Upper

65 100

67 53.0 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 1526

Delta R.T. -0.003 min

Lab File: VU048908.D

Acq: 07 Jun 2022 14:38

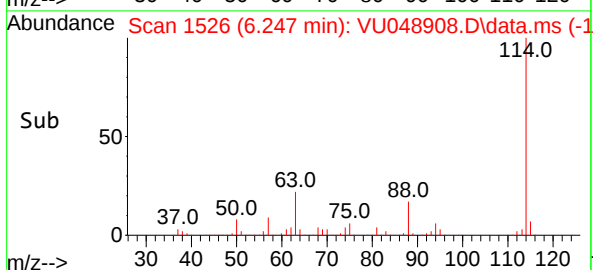
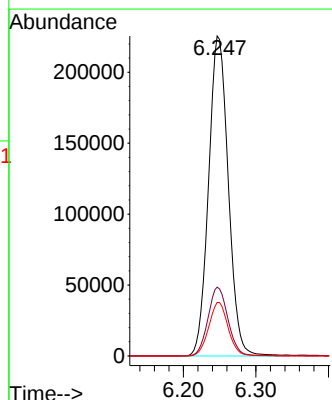
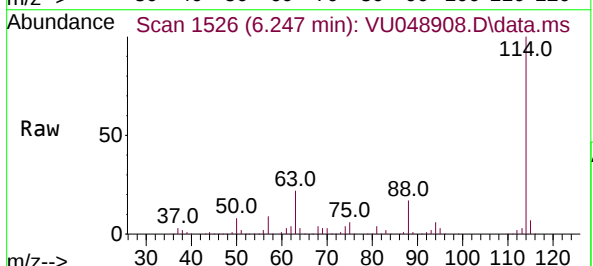
Tgt Ion: 114 Resp: 425648

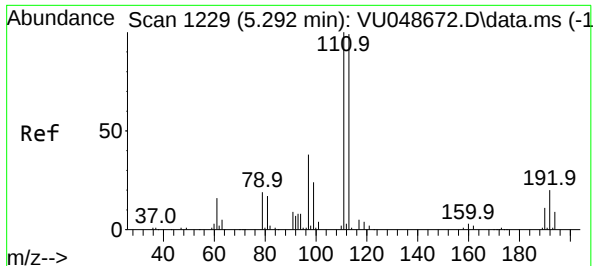
Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.6

88 16.7 0.0 32.2

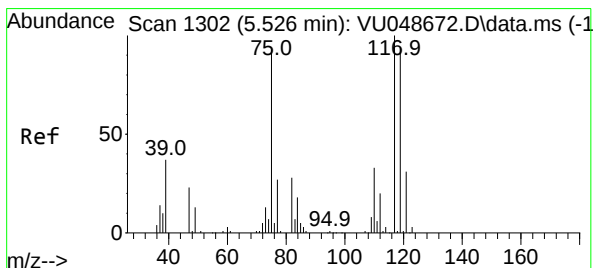
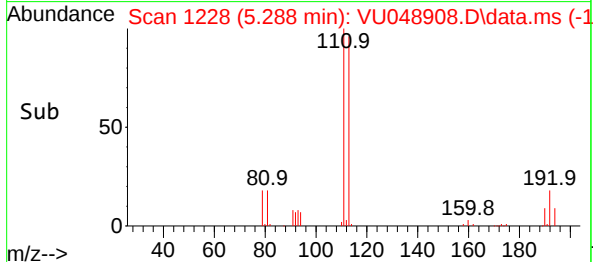
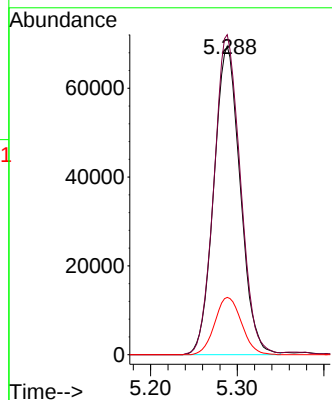
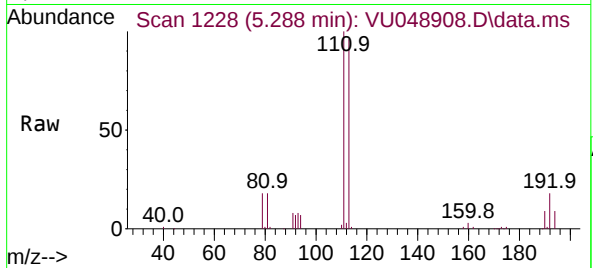




#35
Dibromofluoromethane
Concen: 48.396 ug/l
RT: 5.288 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048908.D
Acq: 07 Jun 2022 14:38

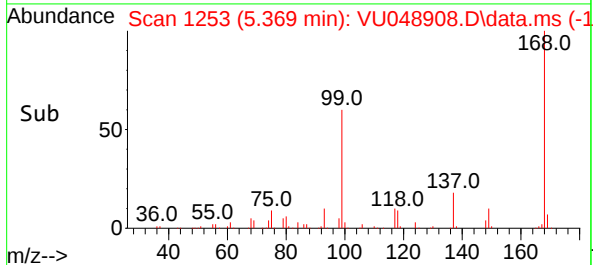
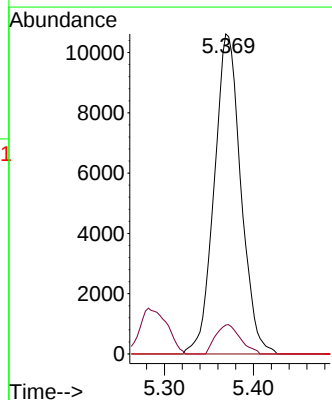
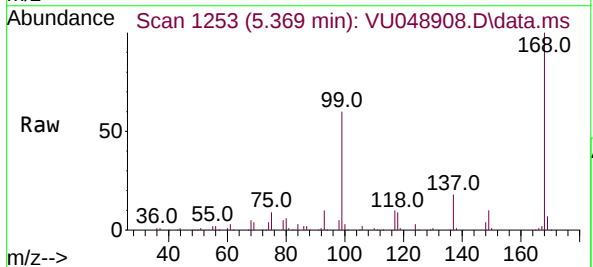
Instrument :
MSVOA_U
ClientSampleId :
60BR-20220531DL

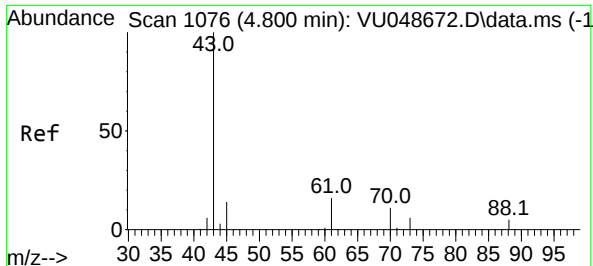
Tgt Ion:113 Resp: 146963
Ion Ratio Lower Upper
113 100
111 103.9 80.7 121.1
192 18.8 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.978 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.158 min
Lab File: VU048908.D
Acq: 07 Jun 2022 14:38

Tgt Ion: 75 Resp: 22061
Ion Ratio Lower Upper
75 100
110 8.5 17.4 52.3#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 29.768 ug/l

RT: 4.803 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU048908.D

Acq: 07 Jun 2022 14:38

Instrument :

MSVOA_U

ClientSampleId :

60BR-20220531DL

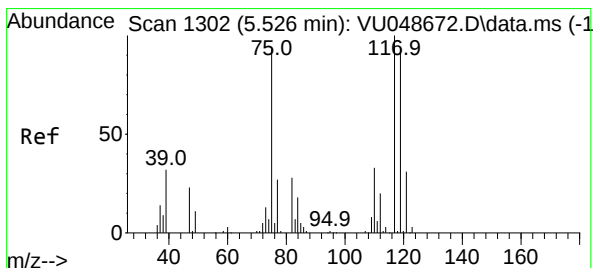
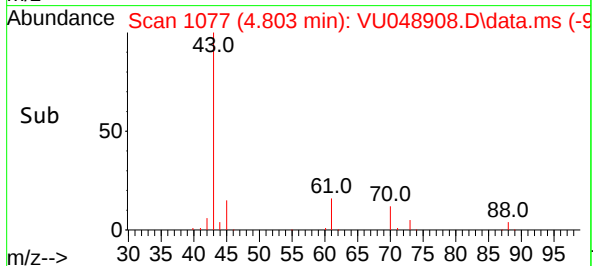
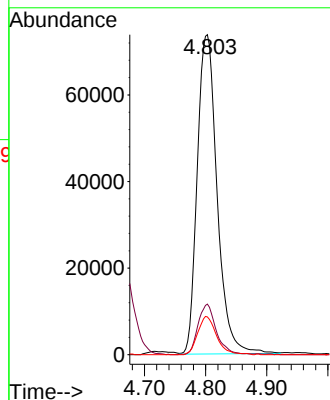
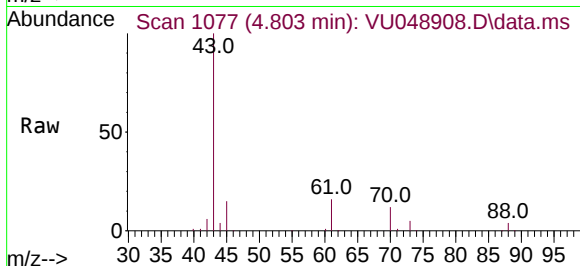
Tgt Ion: 43 Resp: 166786

Ion Ratio Lower Upper

43 100

61 14.6 11.7 17.5

70 11.4 8.4 12.6



#38

Carbon Tetrachloride

Concen: 5.438 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048908.D

Acq: 07 Jun 2022 14:38

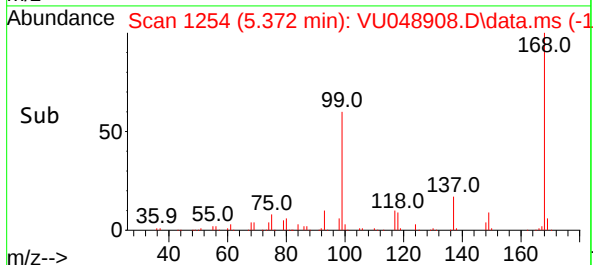
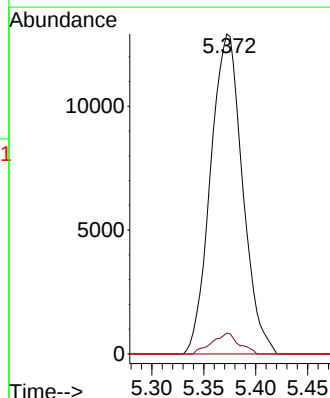
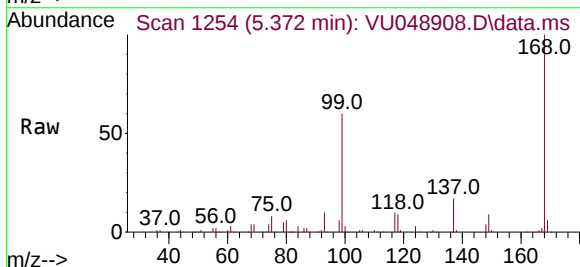
Tgt Ion: 117 Resp: 27652

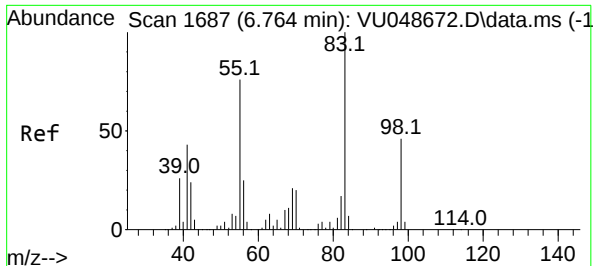
Ion Ratio Lower Upper

117 100

119 6.5 75.4 113.2#

121 0.0 24.6 36.8#





#39

Methylcyclohexane

Concen: 0.499 ug/l

RT: 6.539 min Scan# 1

Delta R.T. -0.225 min

Lab File: VU048908.D

Acq: 07 Jun 2022 14:38

Instrument :

MSVOA_U

ClientSampleId :

60BR-20220531DL

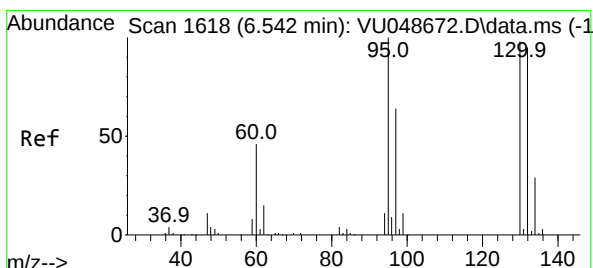
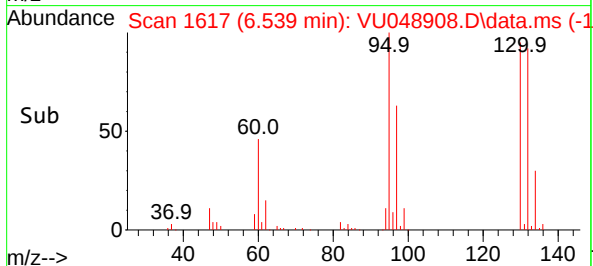
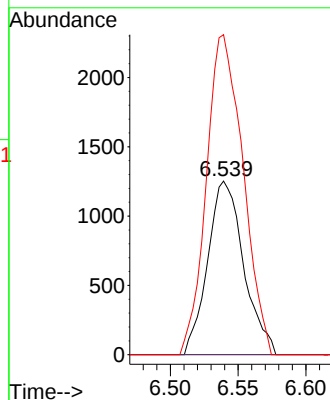
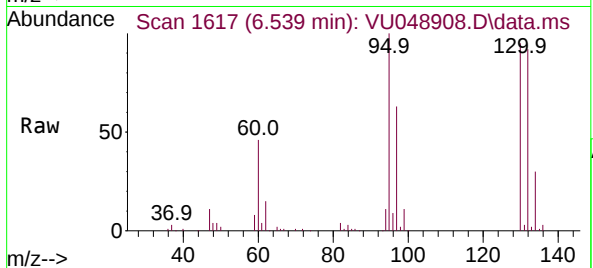
Tgt Ion: 83 Resp: 2317

Ion Ratio Lower Upper

83 100

55 0.0 61.0 91.6#

98 184.3 36.8 55.2#



#44

Trichloroethene

Concen: 53.391 ug/l

RT: 6.542 min Scan# 1618

Delta R.T. -0.000 min

Lab File: VU048908.D

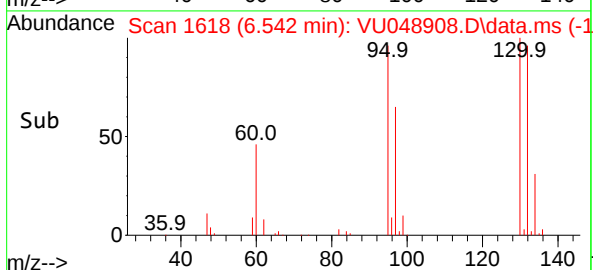
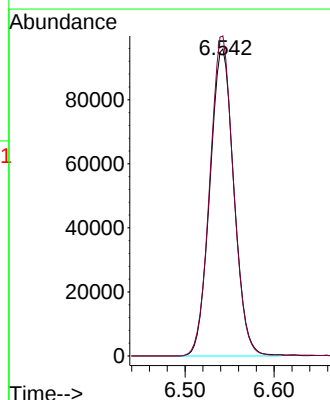
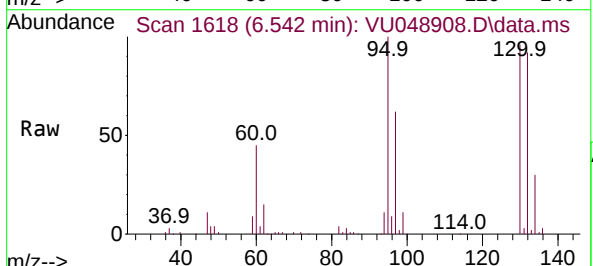
Acq: 07 Jun 2022 14:38

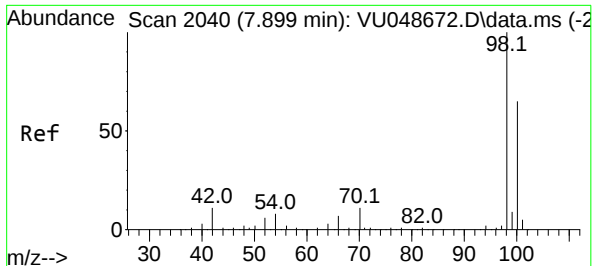
Tgt Ion:130 Resp: 179981

Ion Ratio Lower Upper

130 100

95 104.2 0.0 204.8

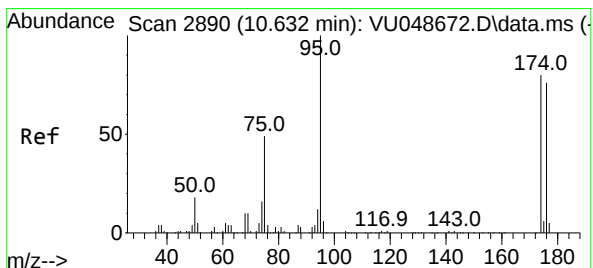
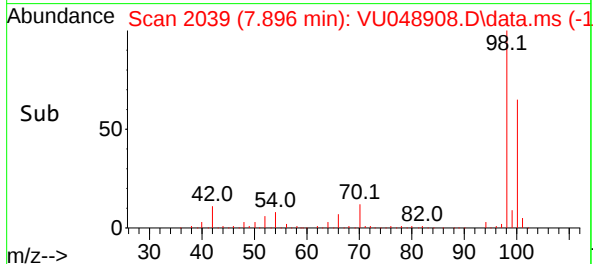
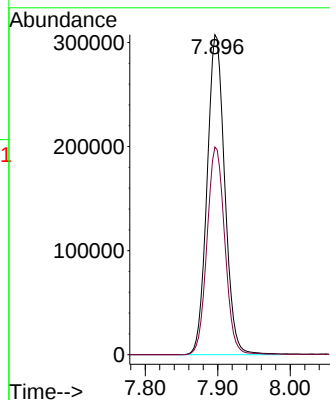
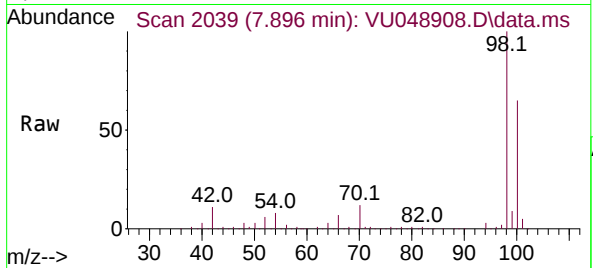




#50
Toluene-d8
Concen: 47.888 ug/l
RT: 7.896 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU048908.D
Acq: 07 Jun 2022 14:38

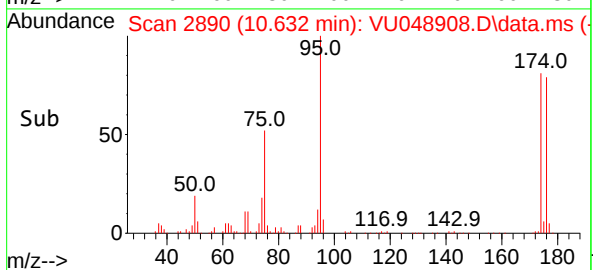
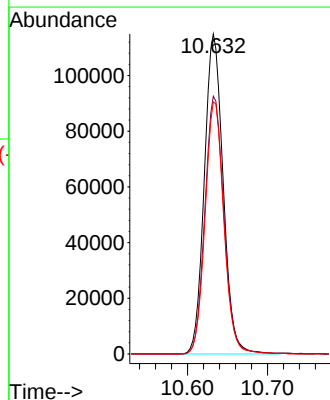
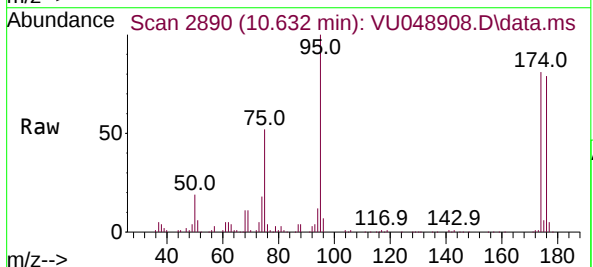
Instrument :
MSVOA_U
ClientSampleId :
60BR-20220531DL

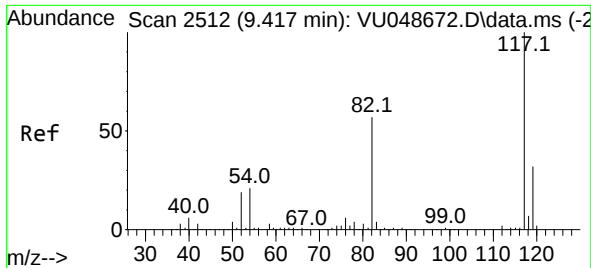
Tgt Ion: 98 Resp: 521280
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 45.690 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048908.D
Acq: 07 Jun 2022 14:38

Tgt Ion: 95 Resp: 188094
Ion Ratio Lower Upper
95 100
174 82.1 0.0 159.4
176 78.6 0.0 152.4

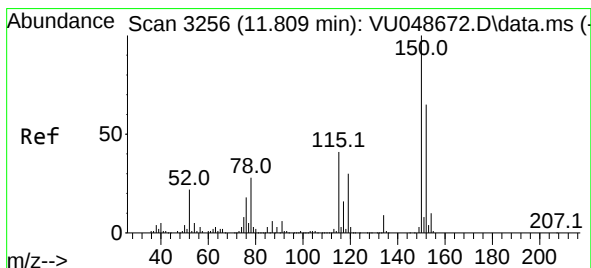
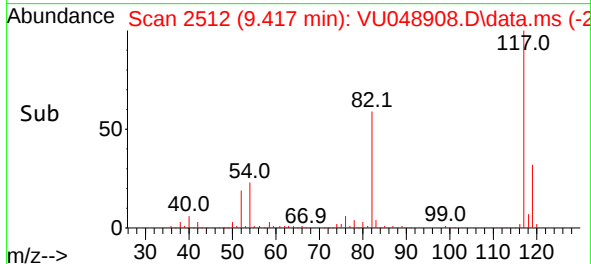
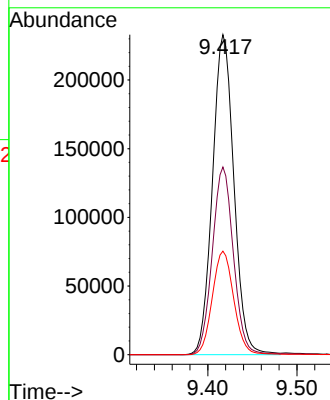
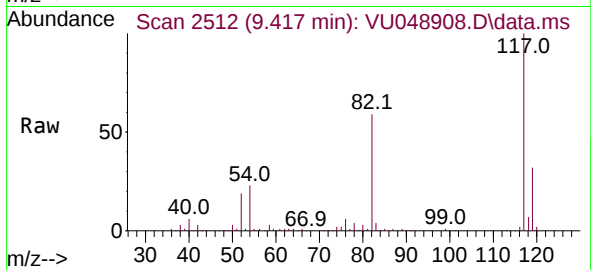




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048908.D
Acq: 07 Jun 2022 14:38

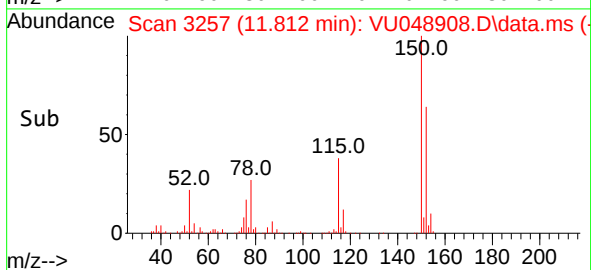
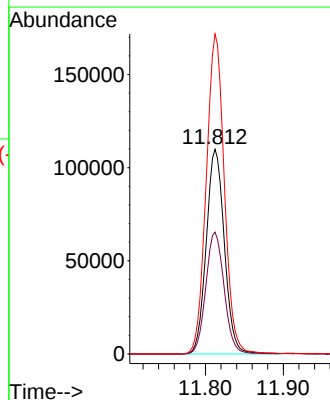
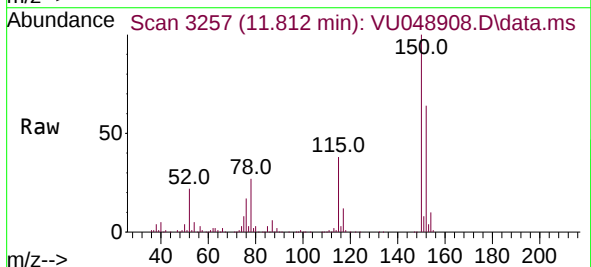
Instrument :
MSVOA_U
ClientSampleId :
60BR-20220531DL

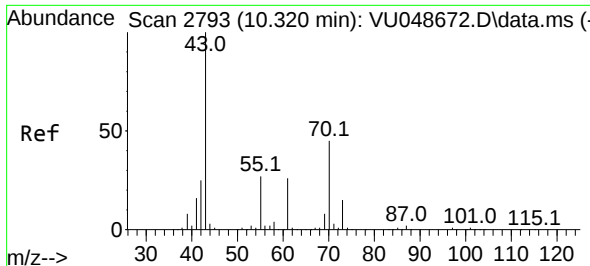
Tgt Ion:117 Resp: 389529
Ion Ratio Lower Upper
117 100
82 58.7 45.3 67.9
119 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048908.D
Acq: 07 Jun 2022 14:38

Tgt Ion:152 Resp: 177536
Ion Ratio Lower Upper
152 100
115 60.3 41.8 125.4
150 155.9 0.0 341.0

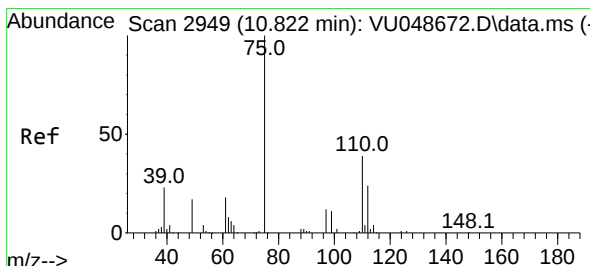
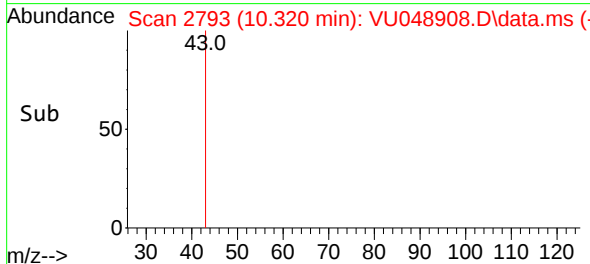
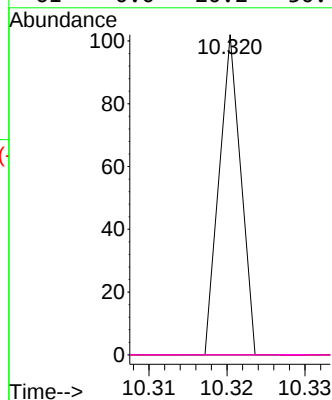
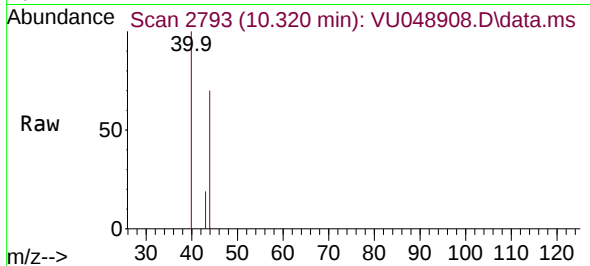




#74
N-amy1 acetate
Concen: 2.470 ug/l
RT: 10.320 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048908.D
Acq: 07 Jun 2022 14:38

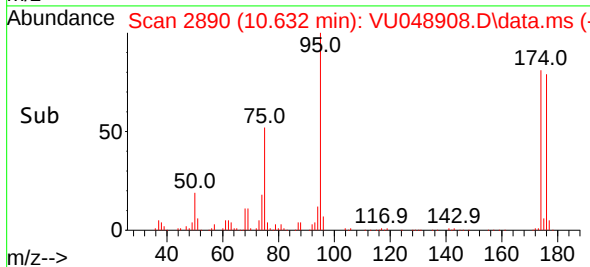
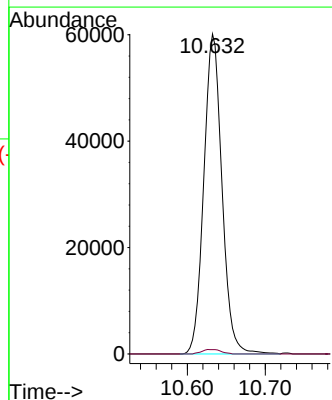
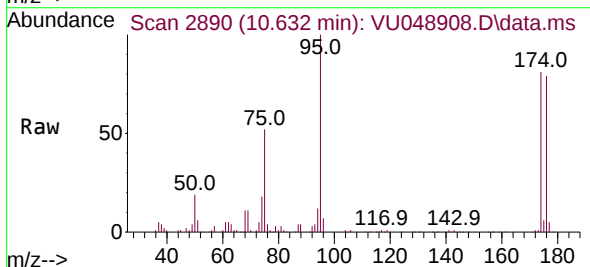
Instrument :
MSVOA_U
ClientSampleId :
60BR-20220531DL

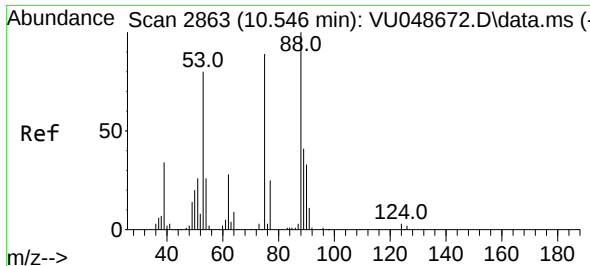
Tgt Ion:	43	Resp:	20
Ion	Ratio	Lower	Upper
43	100		
70	0.0	35.8	53.6#
55	0.0	21.1	31.7#
61	0.0	20.2	30.4#



#76
1,2,3-Trichloropropane
Concen: 16.991 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048908.D
Acq: 07 Jun 2022 14:38

Tgt Ion:	75	Resp:	97258
Ion	Ratio	Lower	Upper
75	100		
77	1.5	14.8	44.3#

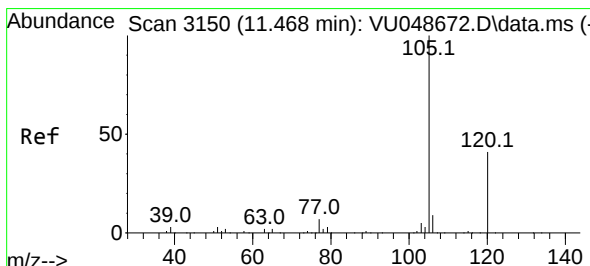
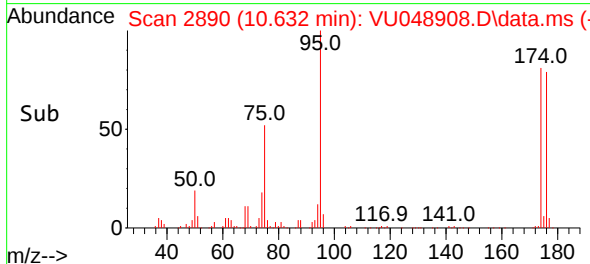
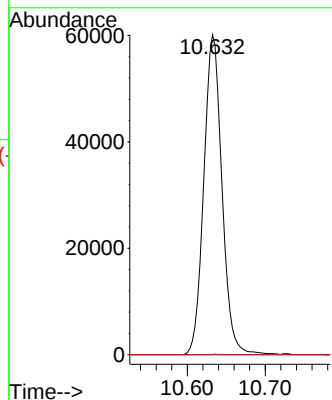
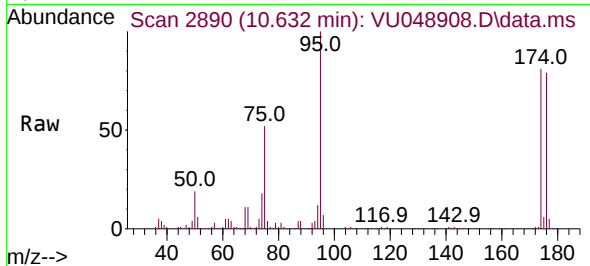




#81
trans-1,4-Dichloro-2-butene
Concen: 61.691 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048908.D
Acq: 07 Jun 2022 14:38

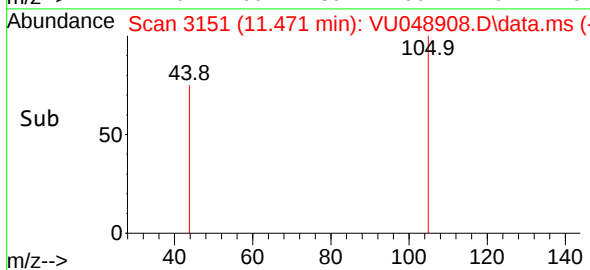
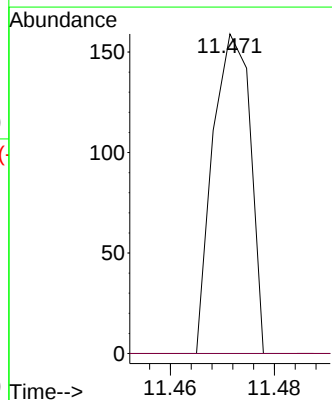
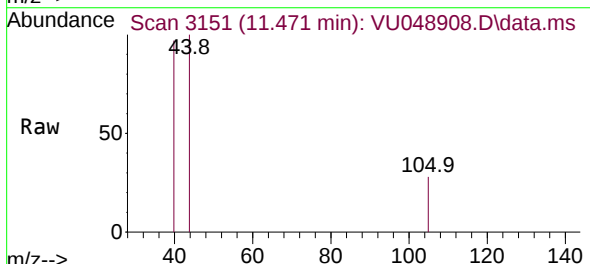
Instrument :
MSVOA_U
ClientSampleId :
60BR-20220531DL

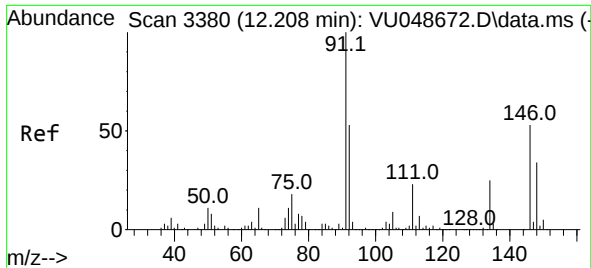
Tgt Ion: 75 Resp: 97258
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.194 ug/l
RT: 11.471 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU048908.D
Acq: 07 Jun 2022 14:38

Tgt Ion: 105 Resp: 79
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#





#89

n-Butylbenzene

Concen: 2.214 ug/l

RT: 12.214 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU048908.D

Acq: 07 Jun 2022 14:38

Instrument :

MSVOA_U

ClientSampleId :

60BR-20220531DL

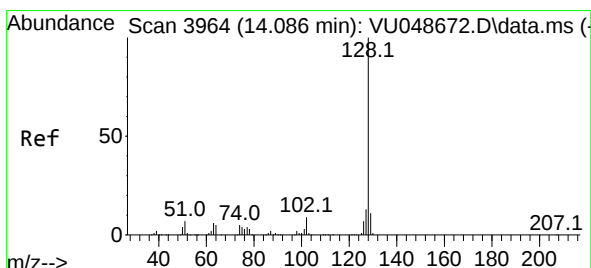
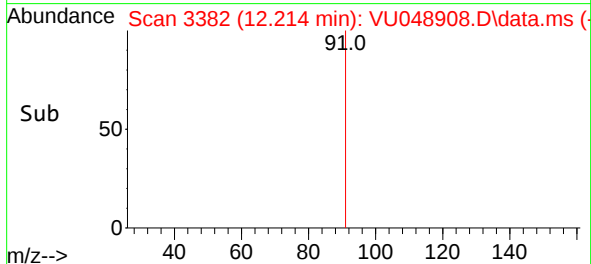
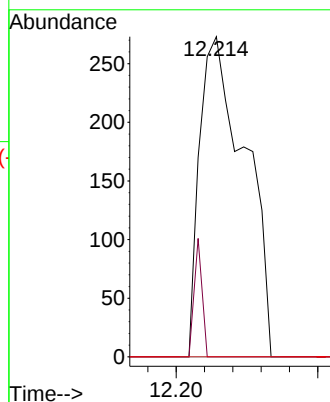
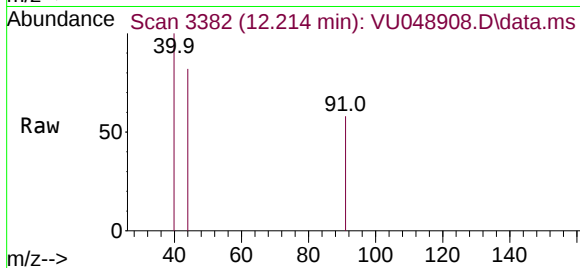
Tgt Ion: 91 Resp: 303

Ion Ratio Lower Upper

91 100

92 6.3 25.9 77.8#

134 0.0 12.5 37.5#



#95

Naphthalene

Concen: 2.702 ug/l

RT: 14.098 min Scan# 3968

Delta R.T. 0.012 min

Lab File: VU048908.D

Acq: 07 Jun 2022 14:38

Tgt Ion:128 Resp: 2490

Ion Ratio Lower Upper

128 100

127 8.4 10.2 15.4#

129 0.8 8.7 13.1#

