

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
 Data File : VU048935.D
 Acq On : 08 Jun 2022 01:50
 Operator : SY/MD
 Sample : N3164-19
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 41BR-20220531

Quant Time: Jun 08 09:15:02 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)

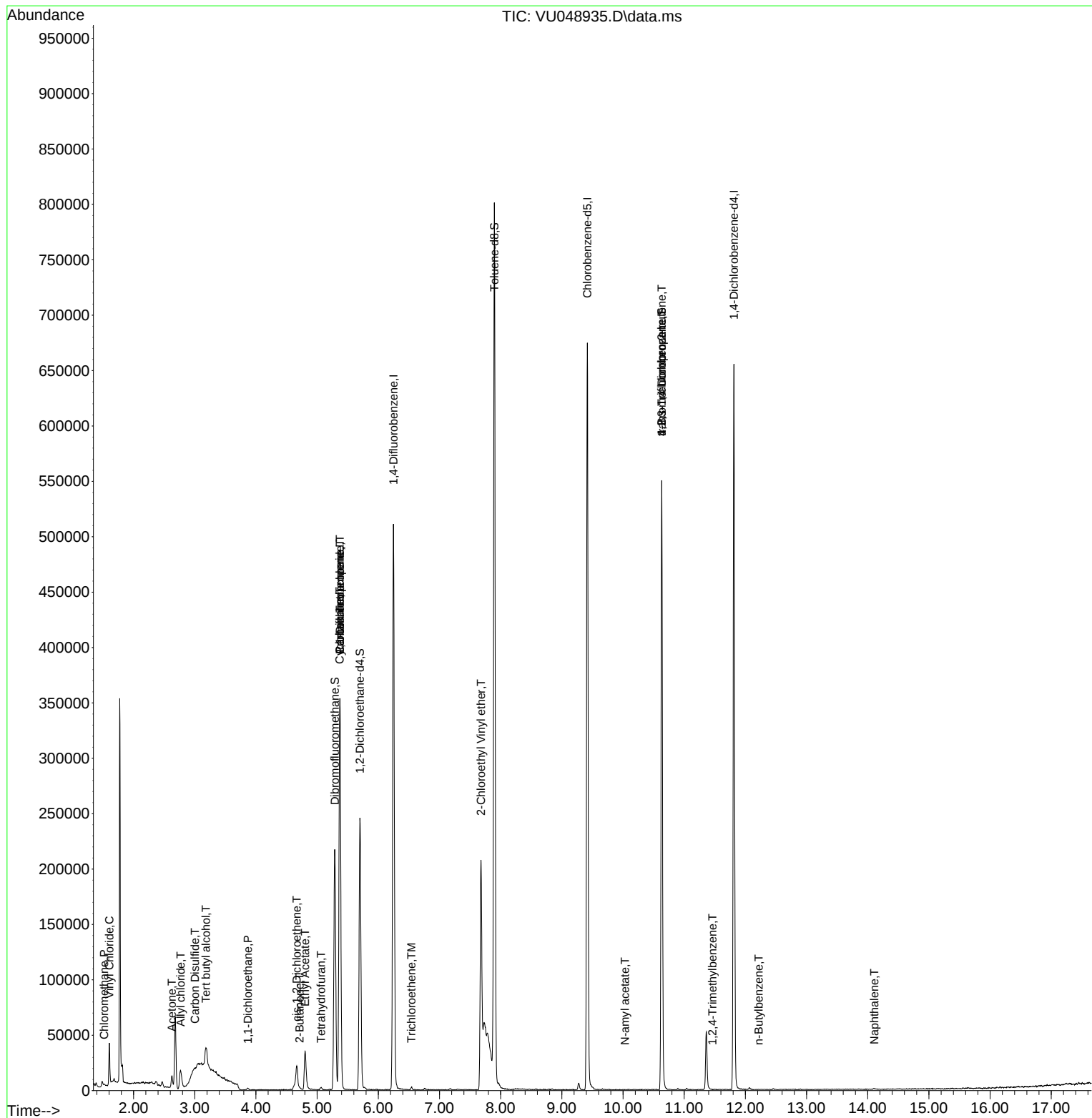
Internal Standards						
1) Pentafluorobenzene	5.372	168	240648	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	409325	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	375148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	172047	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	190254	52.643	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.280%			
35) Dibromofluoromethane	5.288	113	142232	48.706	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.420%			
50) Toluene-d8	7.896	98	528611	50.498	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.000%			
62) 4-Bromofluorobenzene	10.632	95	180740	45.654	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.300%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	885	0.250	ug/l #	82
4) Vinyl Chloride	1.604	62	24812	7.554	ug/l	100
5) Bromomethane	1.838	94	91	Below Cal		97
6) Chloroethane	1.948	64	150	Below Cal #		43
11) Tert butyl alcohol	3.182	59	11486	12.536	ug/l #	28
13) Acrolein	2.334	56	21	Below Cal #		14
14) Allyl chloride	2.771	41	2457	0.518	ug/l #	65
16) Acetone	2.626	43	12417	6.742	ug/l	97
17) Carbon Disulfide	3.002	76	66859	9.351	ug/l	97
24) 1,1-Dichloroethane	3.867	63	1833	0.334	ug/l #	84
25) 2-Butanone	4.713	43	3212	1.214	ug/l	99
27) cis-1,2-Dichloroethene	4.668	96	10699	3.299	ug/l	85
29) Tetrahydrofuran	5.063	42	1342	0.805	ug/l	89
31) Cyclohexane	5.369	56	5572	1.223	ug/l #	6
36) 1,1-Dichloropropene	5.372	75	19431	4.559	ug/l #	50
37) Ethyl Acetate	4.803	43	48039	8.916	ug/l	99
38) Carbon Tetrachloride	5.372	117	25148	5.143	ug/l #	17
44) Trichloroethene	6.542	130	788	0.243	ug/l	88
58) 2-Chloroethyl Vinyl ether	7.677	63	984	30.488	ug/l #	47
74) N-amyl acetate	10.031	43	21	2.470	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	93902	16.928	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	93902	61.463	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.462	105	45	1.191	ug/l #	31
89) n-Butylbenzene	12.217	91	41	2.189	ug/l #	34
95) Naphthalene	14.108	128	1034	2.605	ug/l #	76

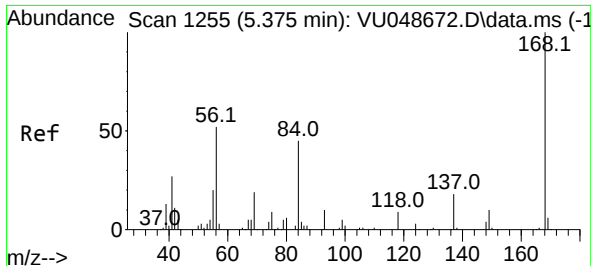
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 27 06:42:31 2022
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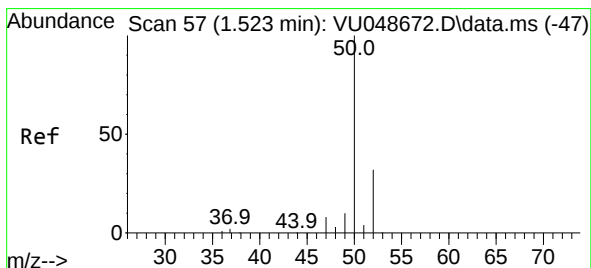
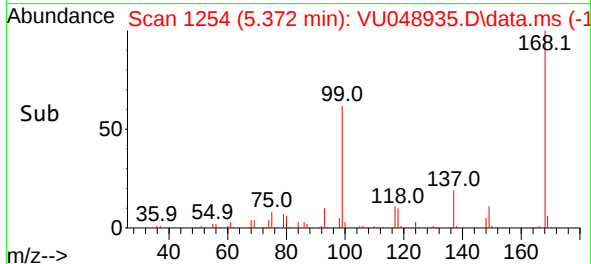
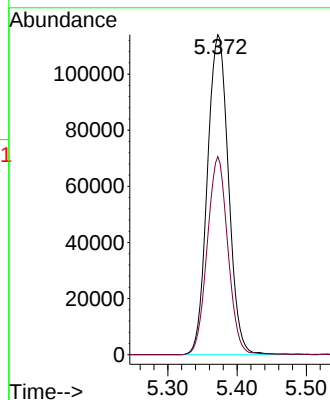
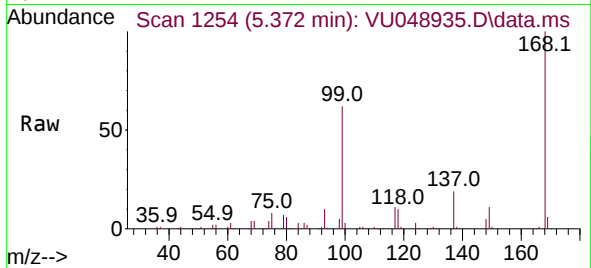




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048935.D
Acq: 08 Jun 2022 01:50

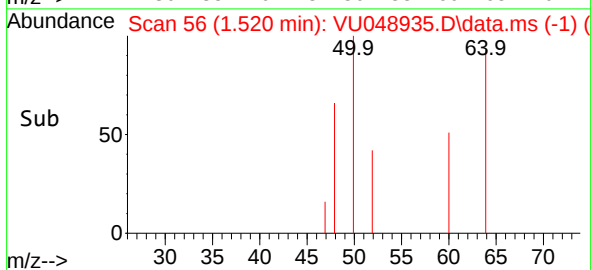
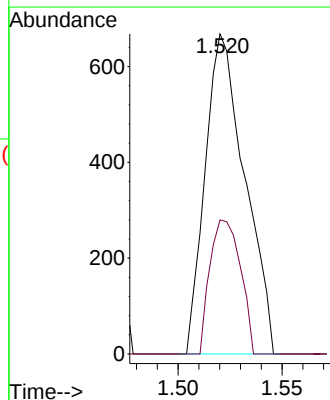
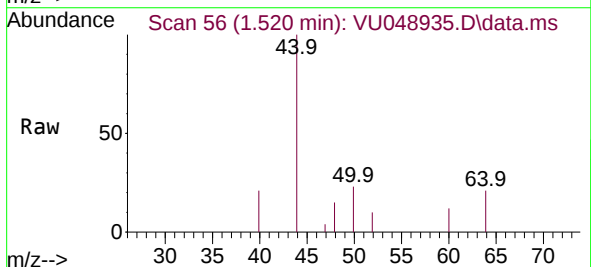
Instrument :
MSVOA_U
ClientSampleId :
41BR-20220531

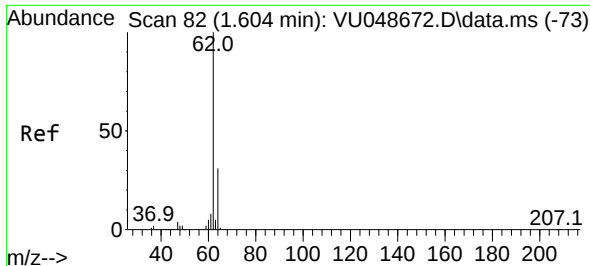
Tgt Ion:168 Resp: 240648
Ion Ratio Lower Upper
168 100
99 61.9 49.3 73.9



#3
Chloromethane
Concen: 0.250 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048935.D
Acq: 08 Jun 2022 01:50

Tgt Ion: 50 Resp: 885
Ion Ratio Lower Upper
50 100
52 41.9 25.7 38.5#

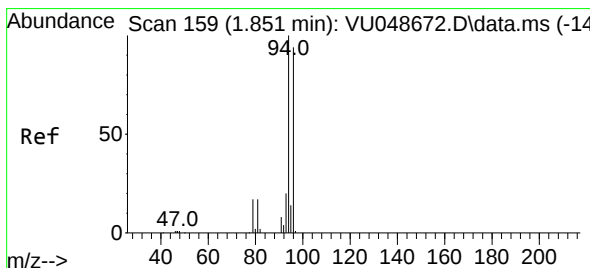
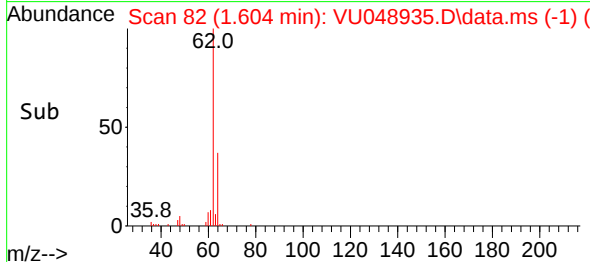
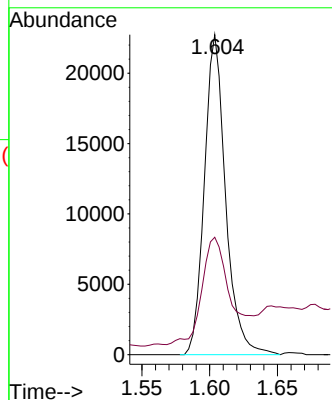
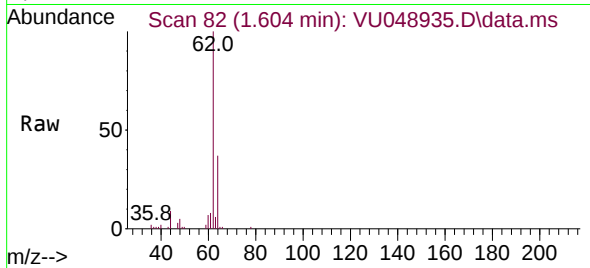




#4
 Vinyl Chloride
 Concen: 7.554 ug/l
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU048935.D
 Acq: 08 Jun 2022 01:50

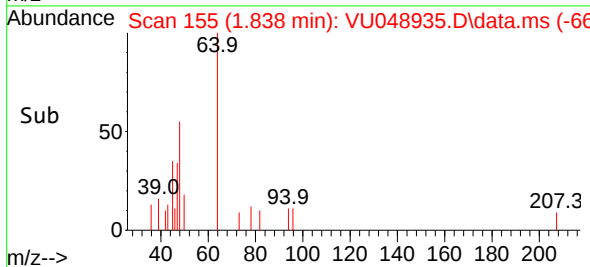
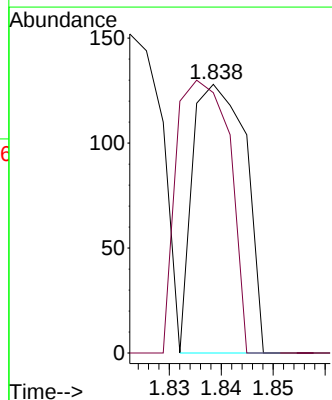
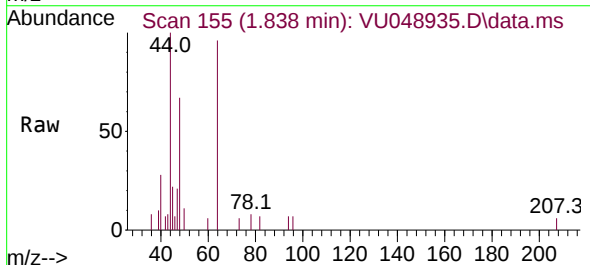
Instrument :
 MSVOA_U
 ClientSampleId :
 41BR-20220531

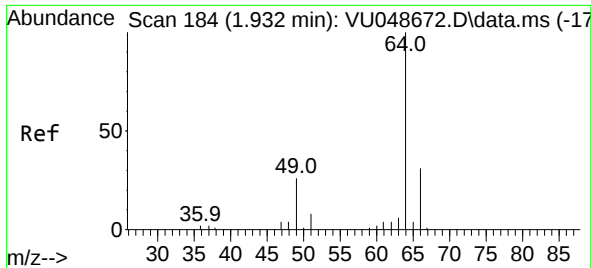
Tgt Ion: 62 Resp: 24812
 Ion Ratio Lower Upper
 62 100
 64 31.7 25.2 37.8



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.838 min Scan# 155
 Delta R.T. -0.013 min
 Lab File: VU048935.D
 Acq: 08 Jun 2022 01:50

Tgt Ion: 94 Resp: 91
 Ion Ratio Lower Upper
 94 100
 96 96.9 75.1 112.7

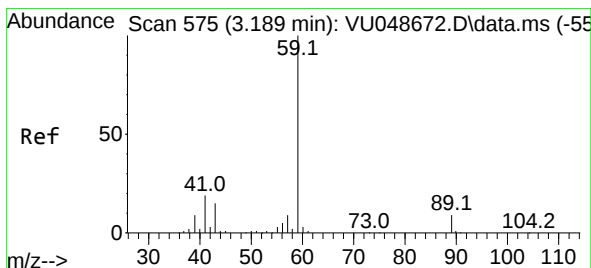
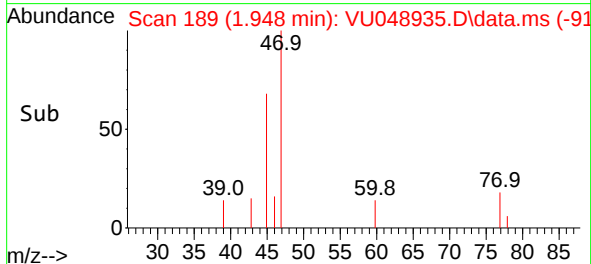
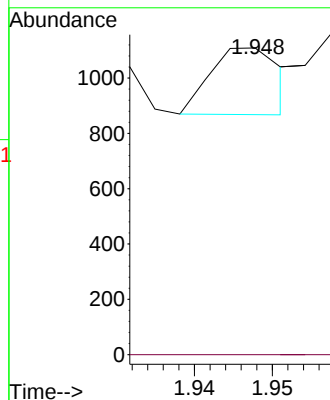
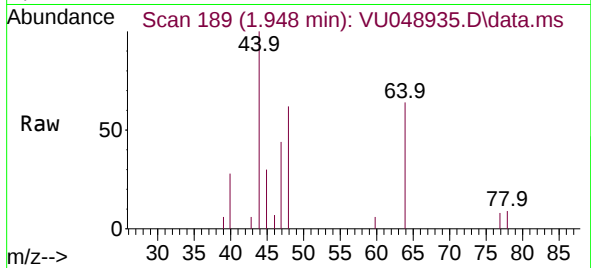




#6
Chloroethane
Concen: Below Cal
RT: 1.948 min Scan# 11
Delta R.T. 0.016 min
Lab File: VU048935.D
Acq: 08 Jun 2022 01:50

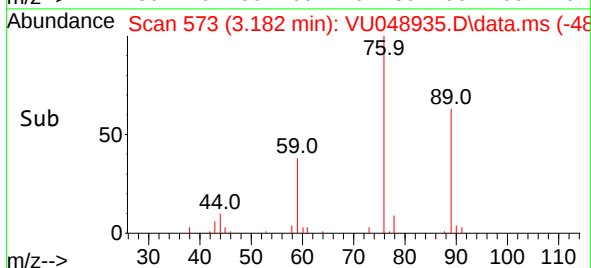
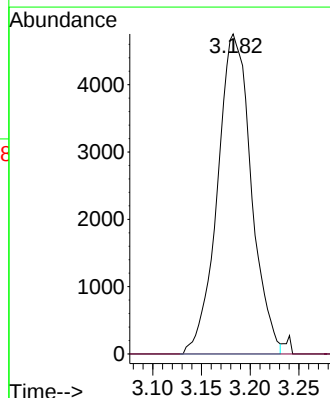
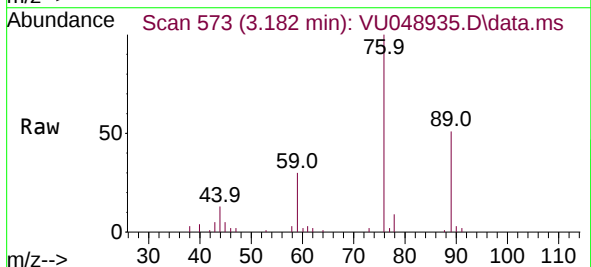
Instrument :
MSVOA_U
ClientSampleId :
41BR-20220531

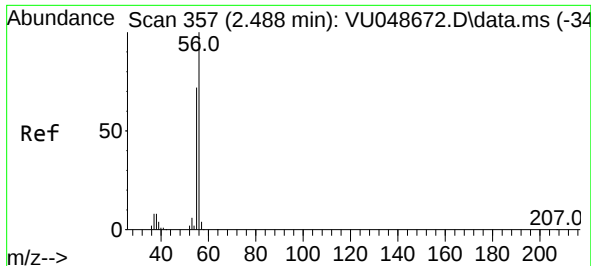
Tgt Ion: 64 Resp: 150
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



#11
Tert butyl alcohol
Concen: 12.536 ug/l
RT: 3.182 min Scan# 573
Delta R.T. -0.006 min
Lab File: VU048935.D
Acq: 08 Jun 2022 01:50

Tgt Ion: 59 Resp: 11486
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#

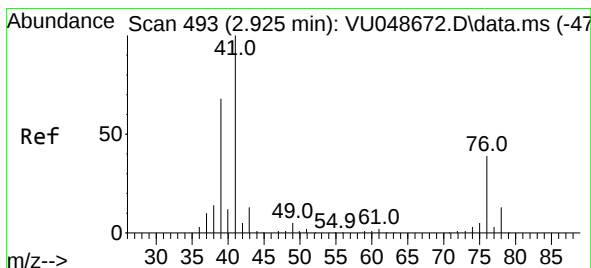
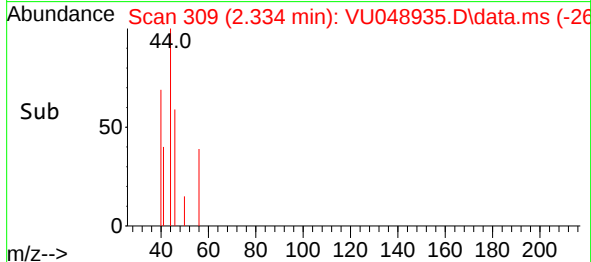
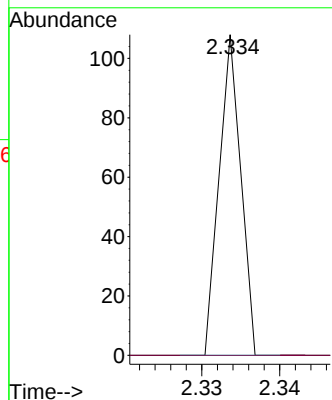
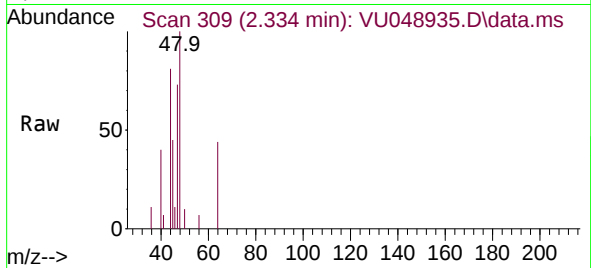




#13
Acrolein
Concen: Below Cal
RT: 2.334 min Scan# 309
Delta R.T. -0.154 min
Lab File: VU048935.D
Acq: 08 Jun 2022 01:50

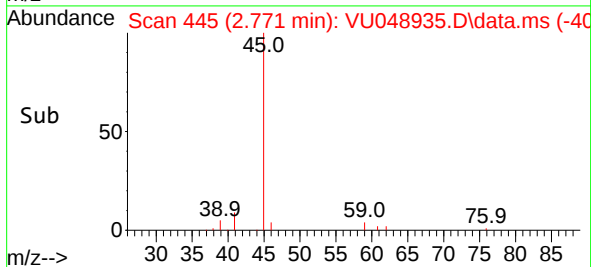
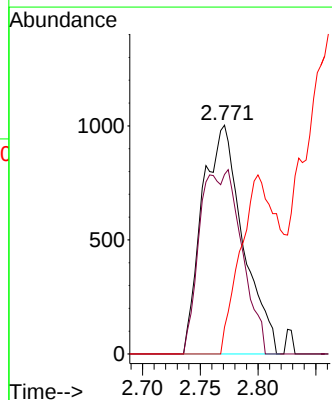
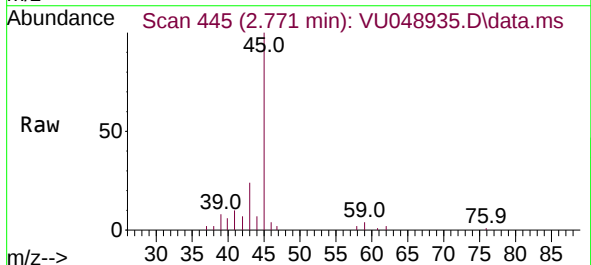
Instrument :
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ClientSampleId :
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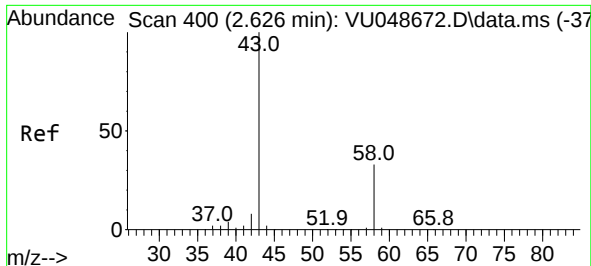
Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#



#14
Allyl chloride
Concen: 0.518 ug/l
RT: 2.771 min Scan# 445
Delta R.T. -0.154 min
Lab File: VU048935.D
Acq: 08 Jun 2022 01:50

Tgt Ion: 41 Resp: 2457
Ion Ratio Lower Upper
41 100
39 43.8 48.6 72.8#
76 0.0 27.0 40.4#





#16

Acetone

Concen: 6.742 ug/l

RT: 2.626 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU048935.D

Acq: 08 Jun 2022 01:50

Instrument :

MSVOA_U

ClientSampleId :

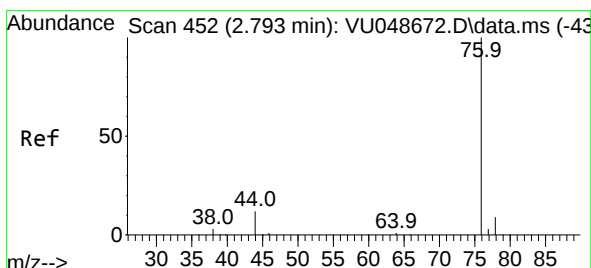
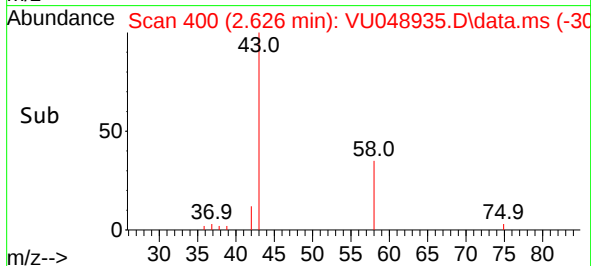
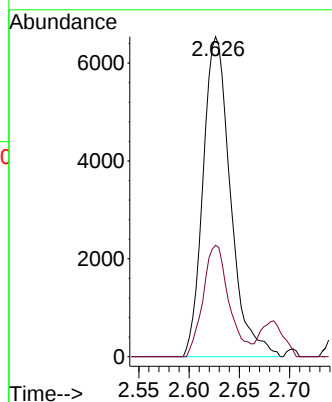
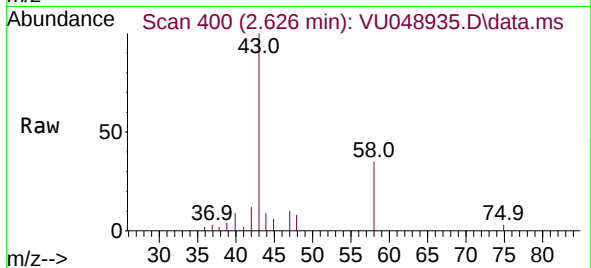
41BR-20220531

Tgt Ion: 43 Resp: 12417

Ion Ratio Lower Upper

43 100

58 34.8 26.3 39.5



#17

Carbon Disulfide

Concen: 9.351 ug/l

RT: 3.002 min Scan# 517

Delta R.T. 0.209 min

Lab File: VU048935.D

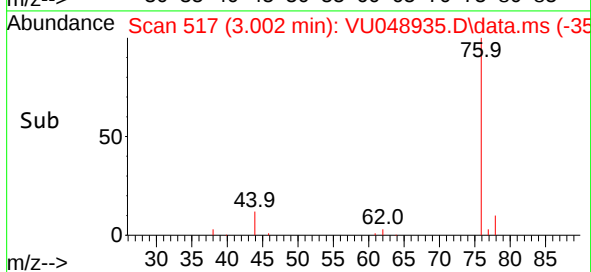
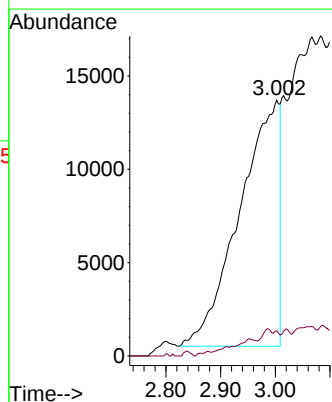
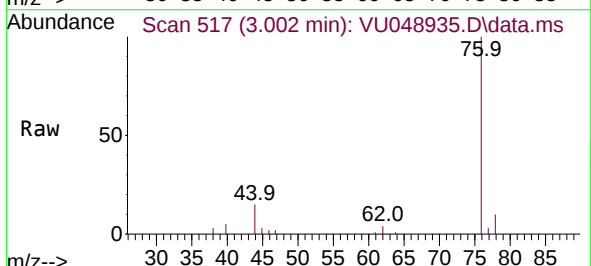
Acq: 08 Jun 2022 01:50

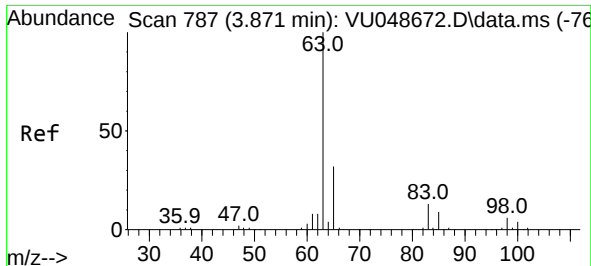
Tgt Ion: 76 Resp: 66859

Ion Ratio Lower Upper

76 100

78 10.3 7.3 10.9

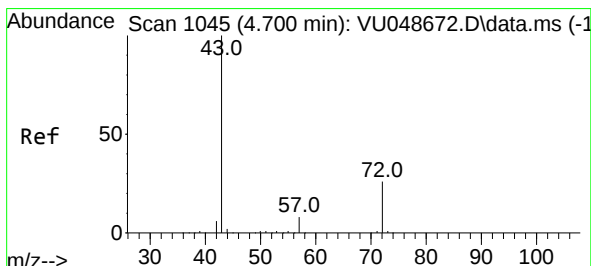
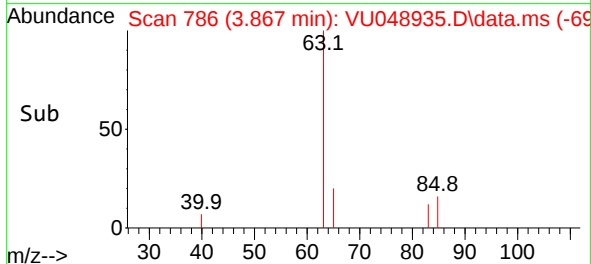
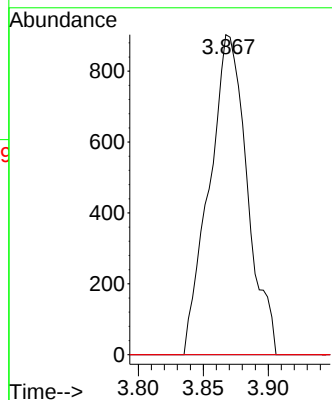
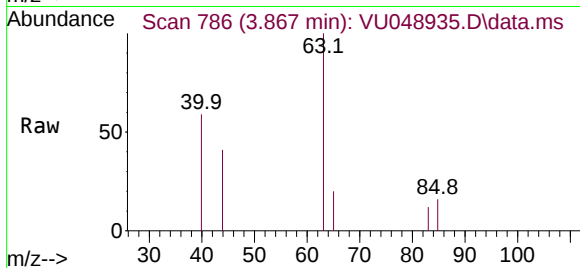




#24
1,1-Dichloroethane
Concen: 0.334 ug/l
RT: 3.867 min Scan# 71
Delta R.T. -0.003 min
Lab File: VU048935.D
Acq: 08 Jun 2022 01:50

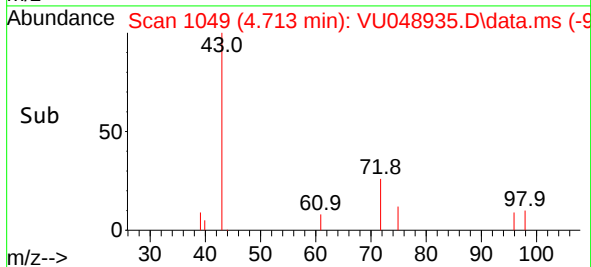
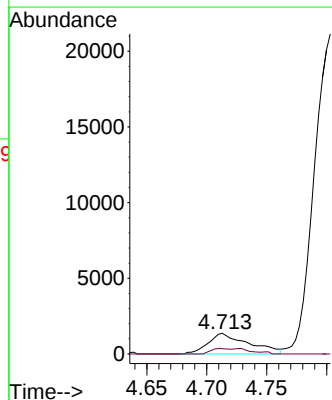
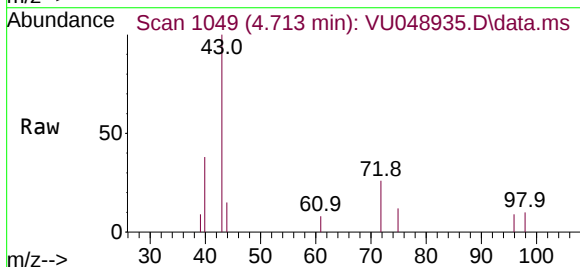
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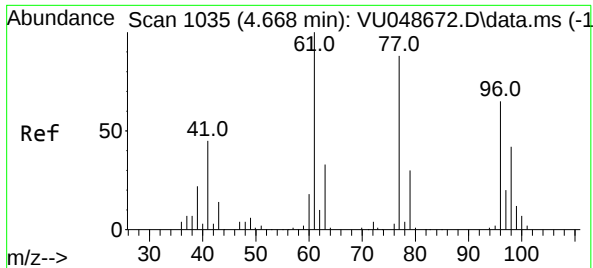
Tgt Ion: 63 Resp: 1833
Ion Ratio Lower Upper
63 100
98 0.0 3.1 9.3#
100 0.0 2.0 5.8#



#25
2-Butanone
Concen: 1.214 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. 0.013 min
Lab File: VU048935.D
Acq: 08 Jun 2022 01:50

Tgt Ion: 43 Resp: 3212
Ion Ratio Lower Upper
43 100
72 25.8 21.1 31.7





#27

cis-1,2-Dichloroethene

Concen: 3.299 ug/l

RT: 4.668 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VU048935.D

Acq: 08 Jun 2022 01:50

Instrument :

MSVOA_U

ClientSampleId :

41BR-20220531

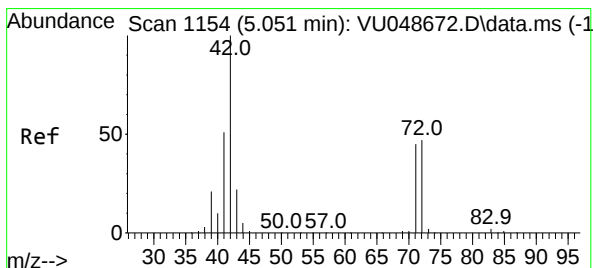
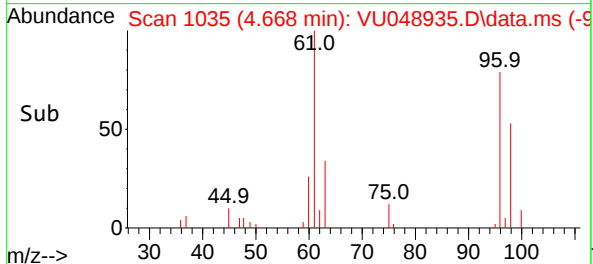
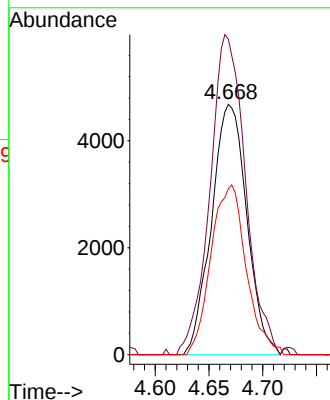
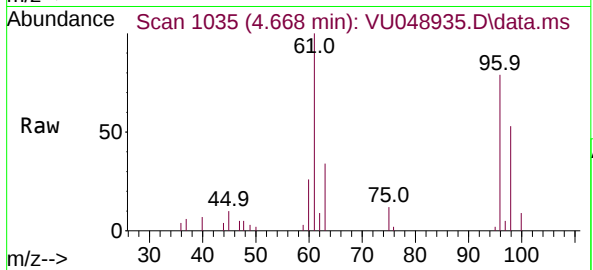
Tgt Ion: 96 Resp: 10699

Ion Ratio Lower Upper

96 100

61 128.1 0.0 306.2

98 67.5 0.0 130.4



#29

Tetrahydrofuran

Concen: 0.805 ug/l

RT: 5.063 min Scan# 1158

Delta R.T. 0.013 min

Lab File: VU048935.D

Acq: 08 Jun 2022 01:50

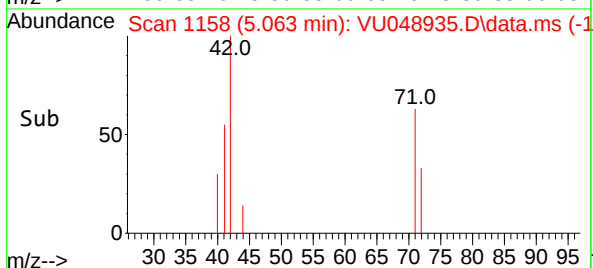
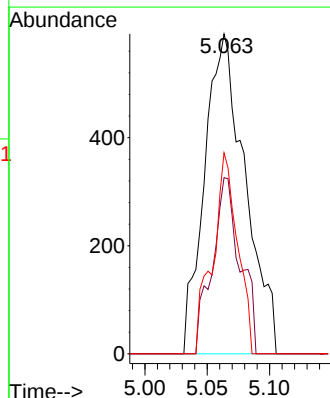
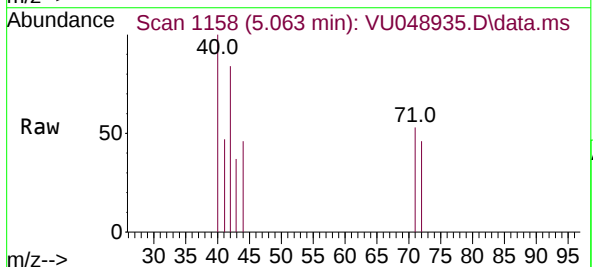
Tgt Ion: 42 Resp: 1342

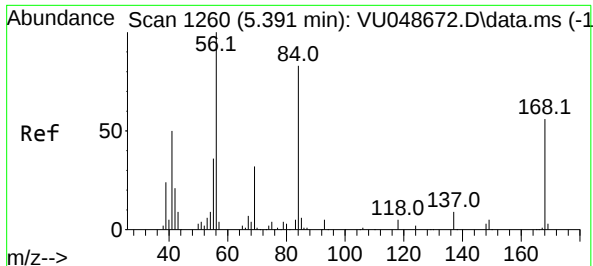
Ion Ratio Lower Upper

42 100

72 38.0 37.6 56.4

71 38.5 35.0 52.4

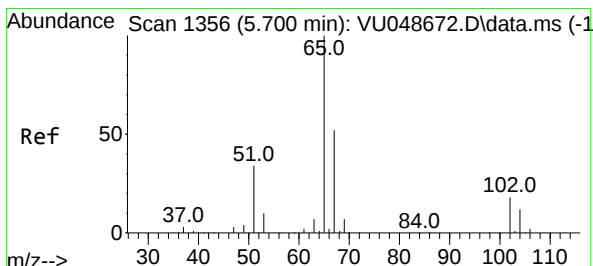
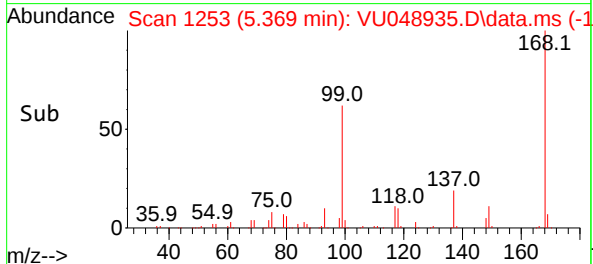
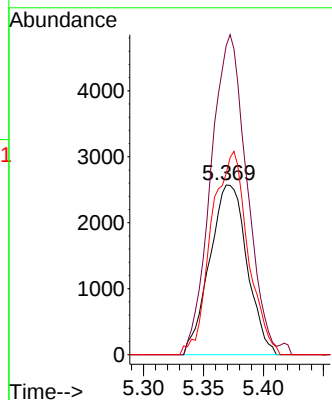
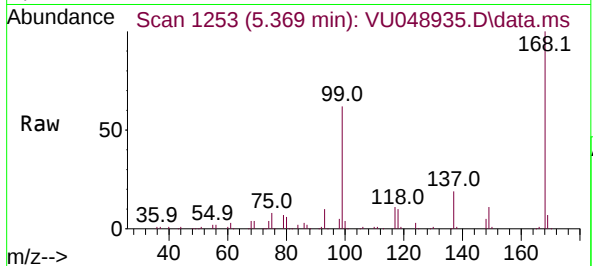




#31
Cyclohexane
Concen: 1.223 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.022 min
Lab File: VU048935.D
Acq: 08 Jun 2022 01:50

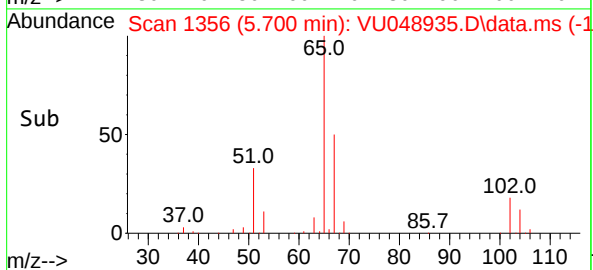
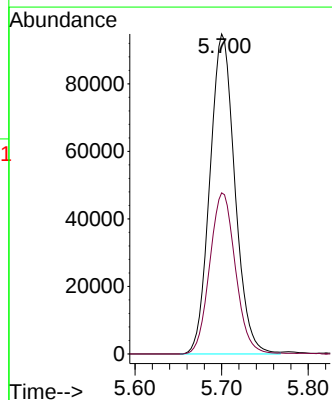
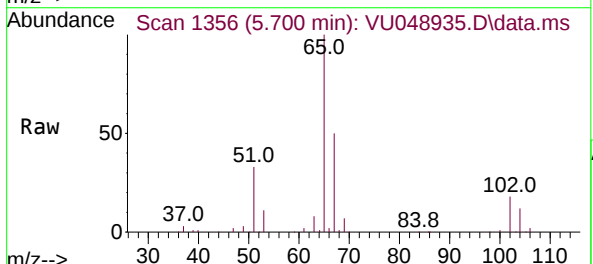
Instrument :
MSVOA_U
ClientSampleId :
41BR-20220531

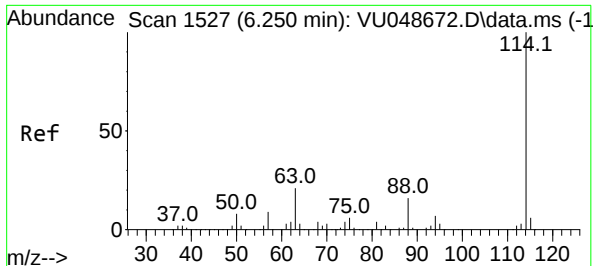
Tgt Ion: 56 Resp: 5572
Ion Ratio Lower Upper
56 100
69 182.2 25.6 38.4#
84 106.8 66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 52.643 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. 0.000 min
Lab File: VU048935.D
Acq: 08 Jun 2022 01:50

Tgt Ion: 65 Resp: 190254
Ion Ratio Lower Upper
65 100
67 51.7 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: VU048935.D

Acq: 08 Jun 2022 01:50

Instrument :

MSVOA_U

ClientSampleId :

41BR-20220531

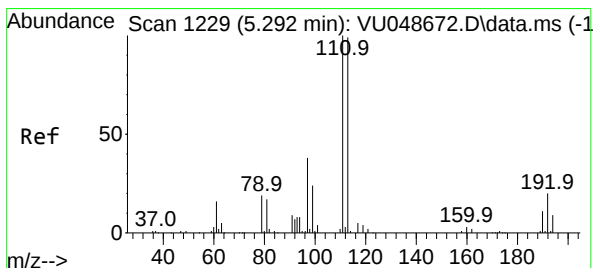
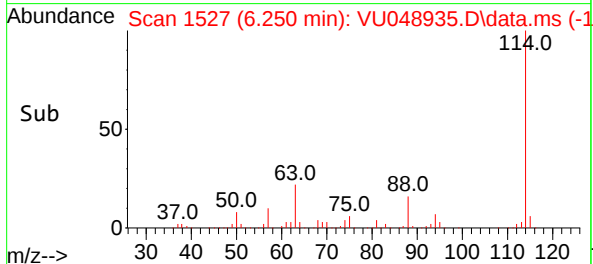
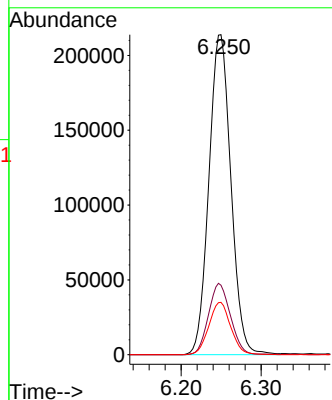
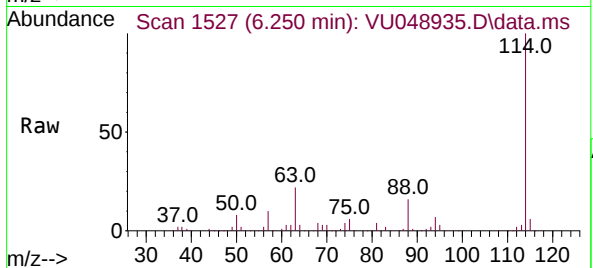
Tgt Ion:114 Resp: 409325

Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.6

88 16.4 0.0 32.2



#35

Dibromofluoromethane

Concen: 48.706 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU048935.D

Acq: 08 Jun 2022 01:50

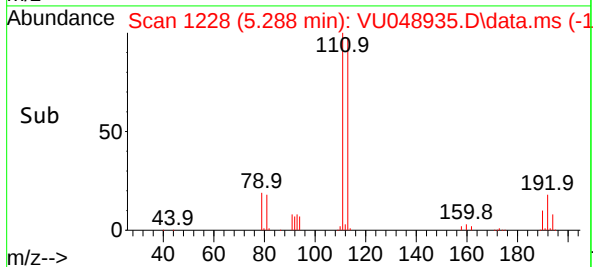
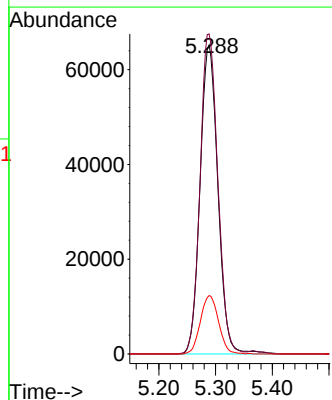
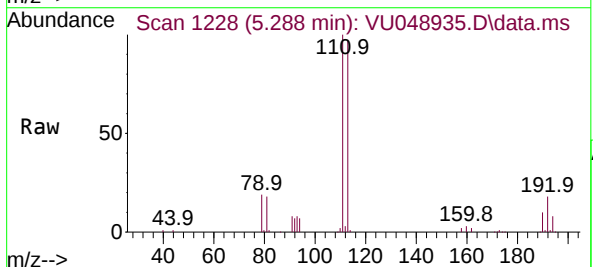
Tgt Ion:113 Resp: 142232

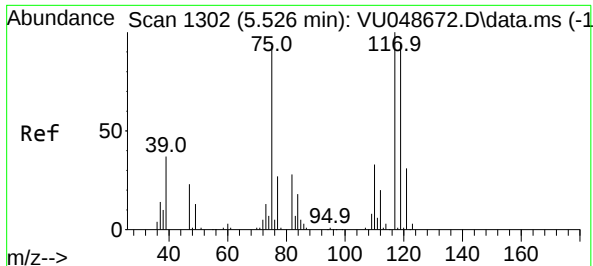
Ion Ratio Lower Upper

113 100

111 103.4 80.7 121.1

192 19.3 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.559 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.154 min

Lab File: VU048935.D

Acq: 08 Jun 2022 01:50

Instrument :

MSVOA_U

ClientSampleId :

41BR-20220531

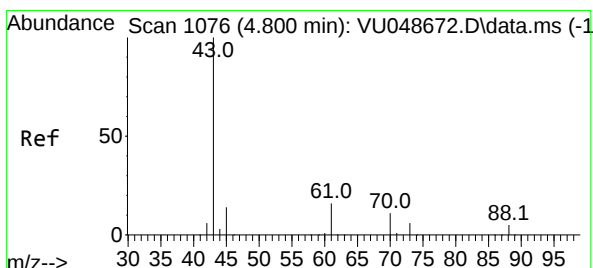
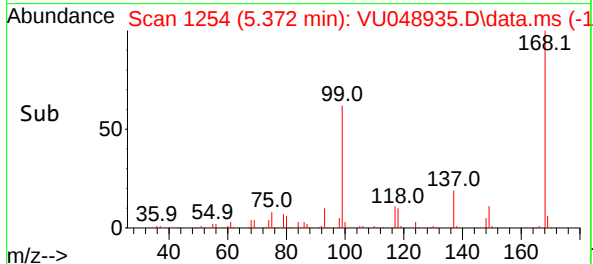
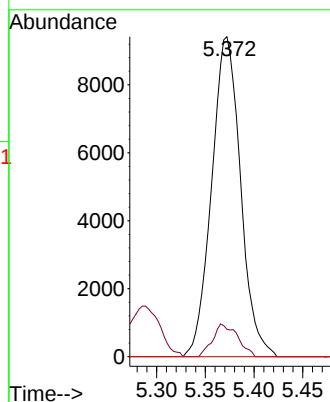
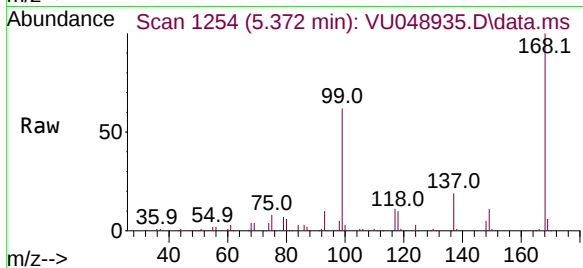
Tgt Ion: 75 Resp: 19431

Ion Ratio Lower Upper

75 100

110 8.8 17.4 52.3#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 8.916 ug/l

RT: 4.803 min Scan# 1077

Delta R.T. 0.003 min

Lab File: VU048935.D

Acq: 08 Jun 2022 01:50

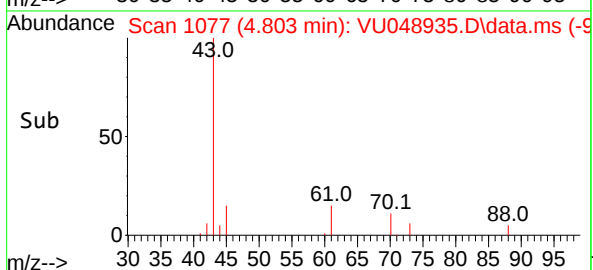
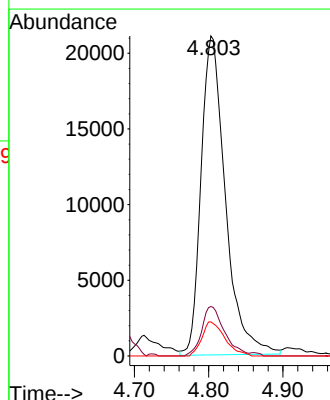
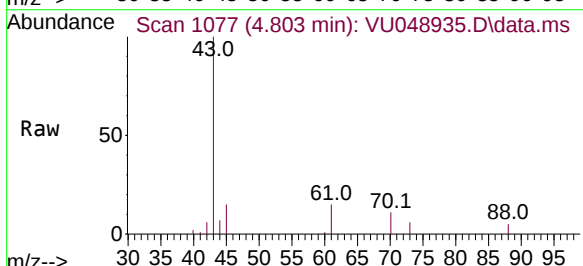
Tgt Ion: 43 Resp: 48039

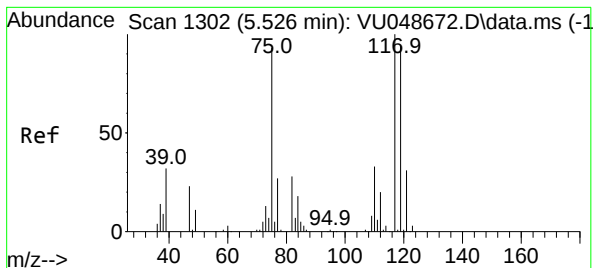
Ion Ratio Lower Upper

43 100

61 14.4 11.7 17.5

70 10.0 8.4 12.6





#38

Carbon Tetrachloride

Concen: 5.143 ug/l

RT: 5.372 min Scan# 117

Delta R.T. -0.154 min

Lab File: VU048935.D

Acq: 08 Jun 2022 01:50

Instrument :

MSVOA_U

ClientSampleId :

41BR-20220531

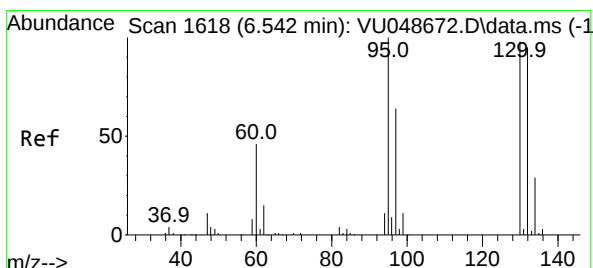
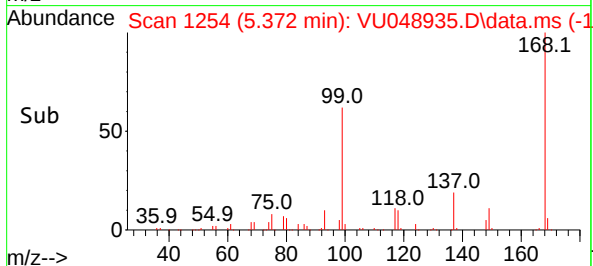
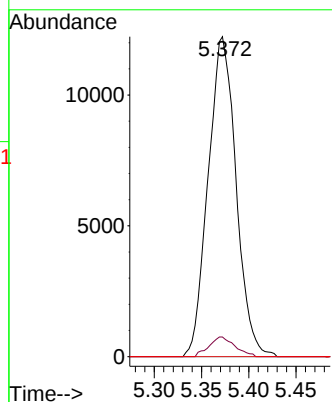
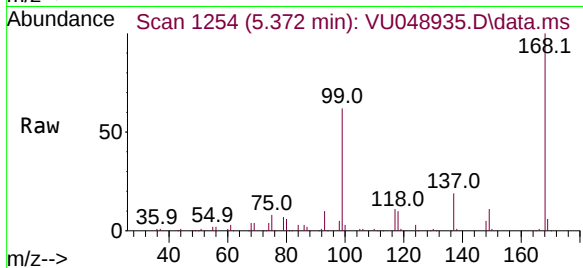
Tgt Ion:117 Resp: 25148

Ion Ratio Lower Upper

117 100

119 6.1 75.4 113.2#

121 0.0 24.6 36.8#



#44

Trichloroethene

Concen: 0.243 ug/l

RT: 6.542 min Scan# 1618

Delta R.T. 0.000 min

Lab File: VU048935.D

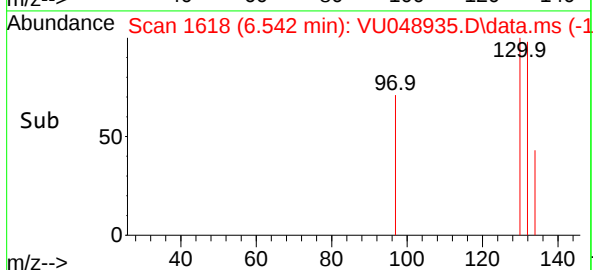
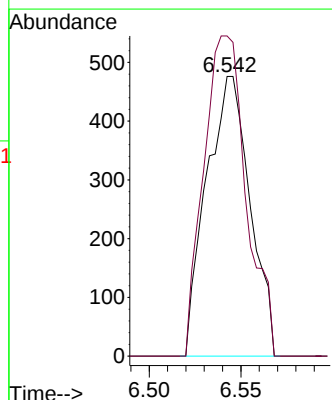
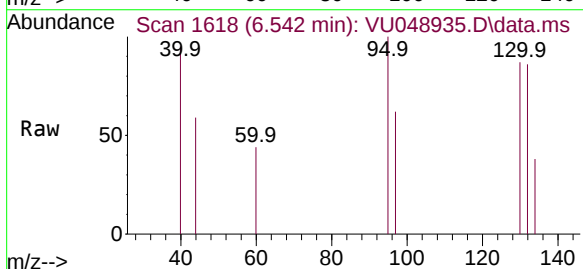
Acq: 08 Jun 2022 01:50

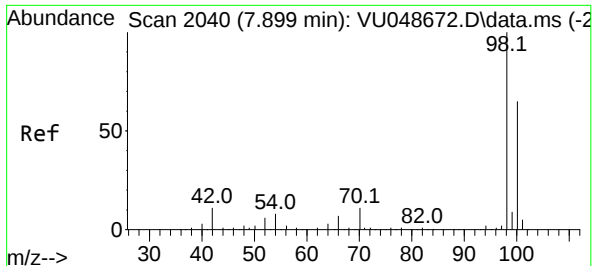
Tgt Ion:130 Resp: 788

Ion Ratio Lower Upper

130 100

95 114.5 0.0 204.8

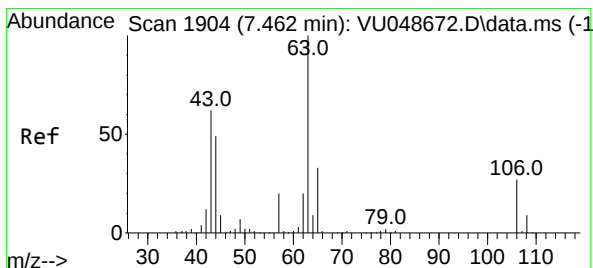
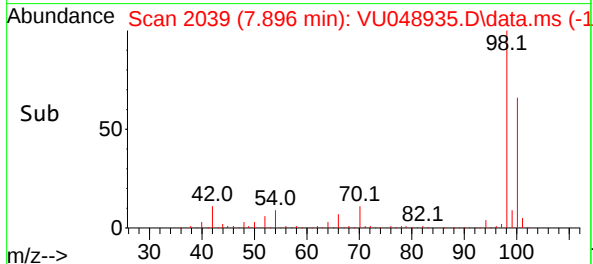
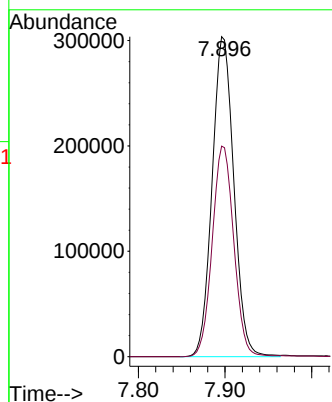
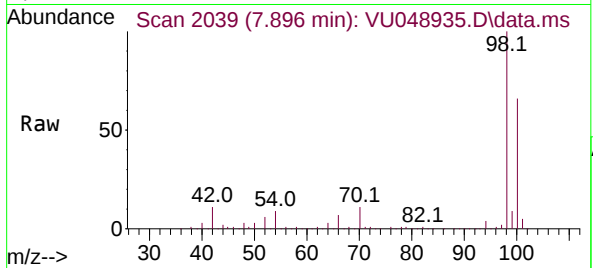




#50
Toluene-d8
Concen: 50.498 ug/l
RT: 7.896 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU048935.D
Acq: 08 Jun 2022 01:50

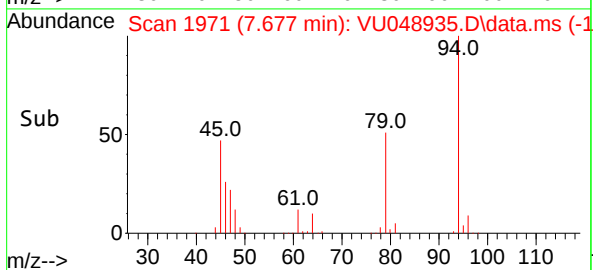
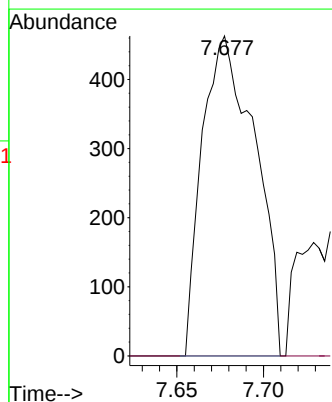
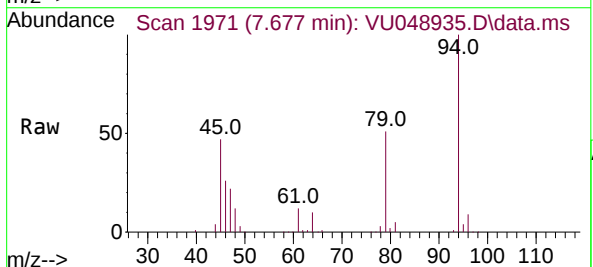
Instrument :
MSVOA_U
ClientSampleId :
41BR-20220531

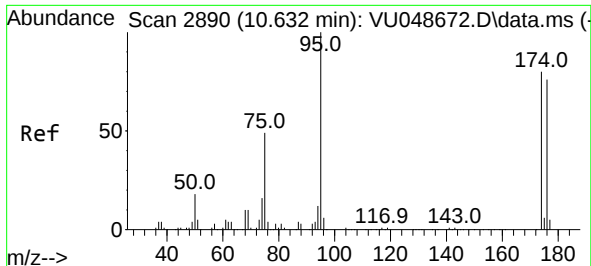
Tgt Ion: 98 Resp: 528611
Ion Ratio Lower Upper
98 100
100 65.7 52.2 78.4



#58
2-Chloroethyl Vinyl ether
Concen: 30.488 ug/l
RT: 7.677 min Scan# 1971
Delta R.T. 0.215 min
Lab File: VU048935.D
Acq: 08 Jun 2022 01:50

Tgt Ion: 63 Resp: 984
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#

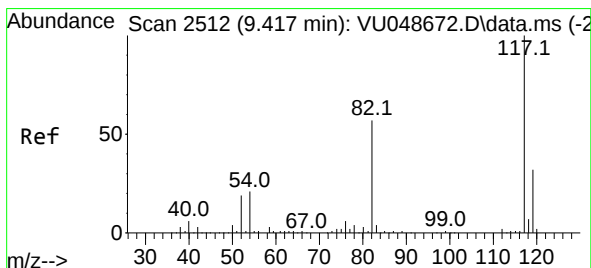
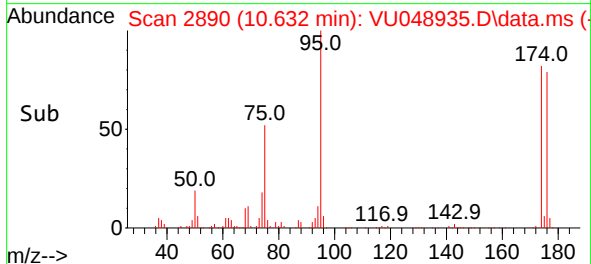
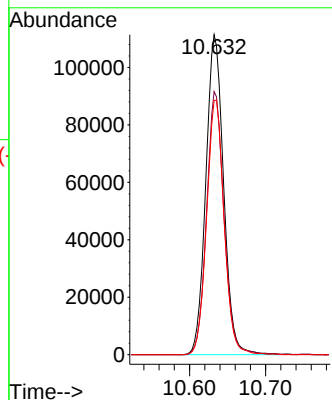
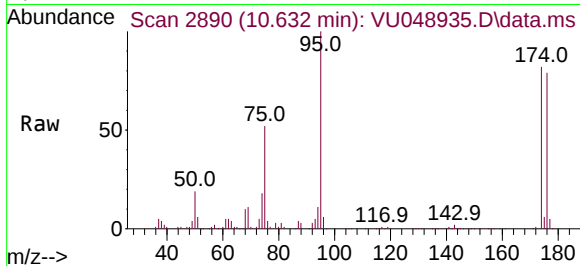




#62
4-Bromofluorobenzene
Concen: 45.654 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.000 min
Lab File: VU048935.D
Acq: 08 Jun 2022 01:50

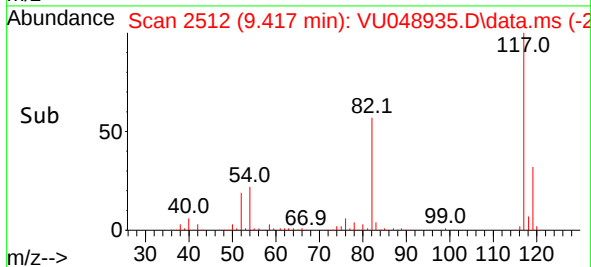
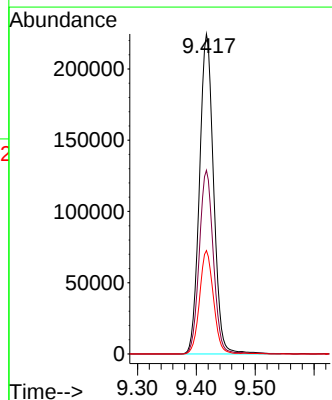
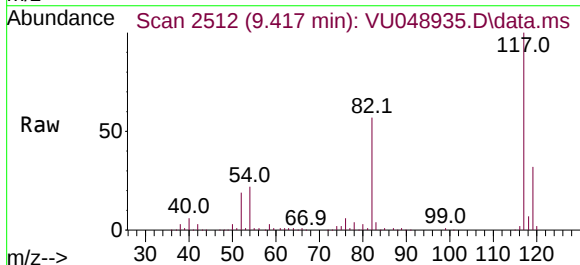
Instrument :
MSVOA_U
ClientSampleId :
41BR-20220531

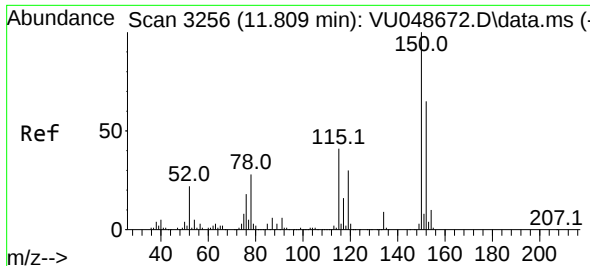
Tgt Ion: 95 Resp: 180740
Ion Ratio Lower Upper
95 100
174 80.8 0.0 159.4
176 78.3 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048935.D
Acq: 08 Jun 2022 01:50

Tgt Ion: 117 Resp: 375148
Ion Ratio Lower Upper
117 100
82 57.4 45.3 67.9
119 32.3 25.4 38.2

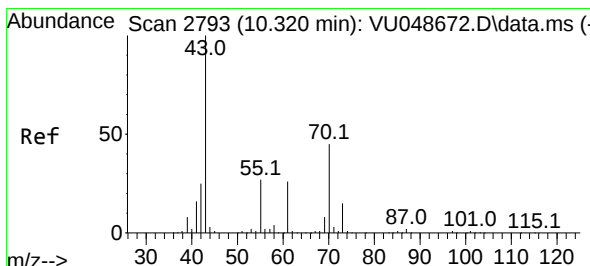
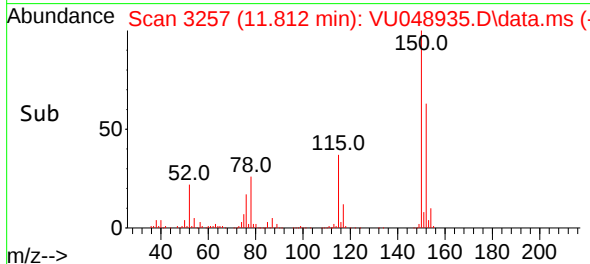
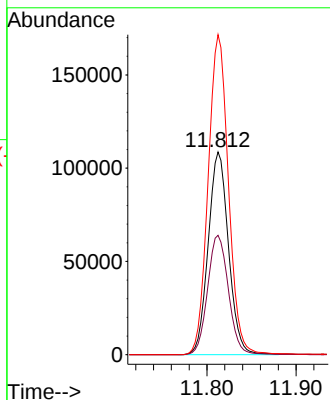
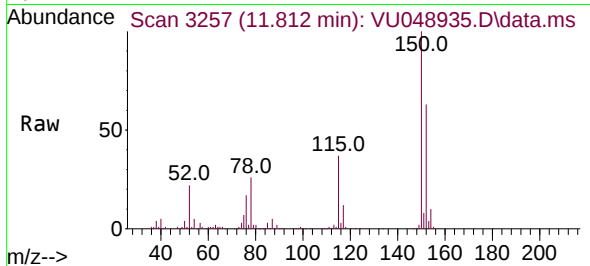




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048935.D
Acq: 08 Jun 2022 01:50

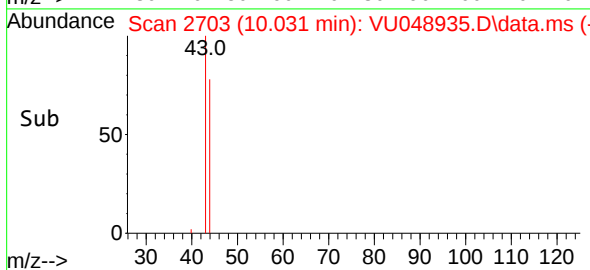
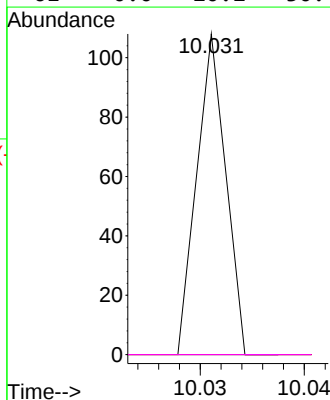
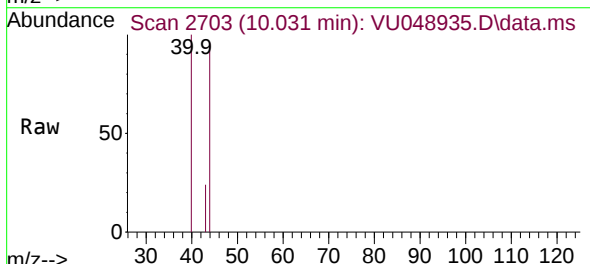
Instrument :
MSVOA_U
ClientSampleId :
41BR-20220531

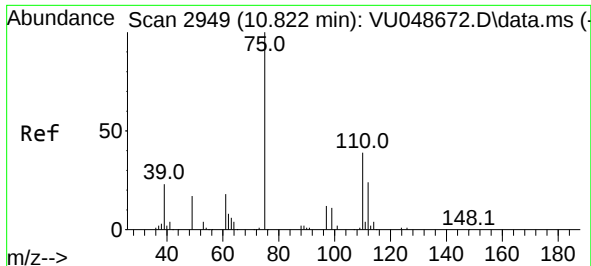
Tgt Ion:152 Resp: 172047
Ion Ratio Lower Upper
152 100
115 60.4 41.8 125.4
150 158.0 0.0 341.0



#74
N-ethyl acetate
Concen: 2.470 ug/l
RT: 10.031 min Scan# 2703
Delta R.T. -0.289 min
Lab File: VU048935.D
Acq: 08 Jun 2022 01:50

Tgt Ion: 43 Resp: 21
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#

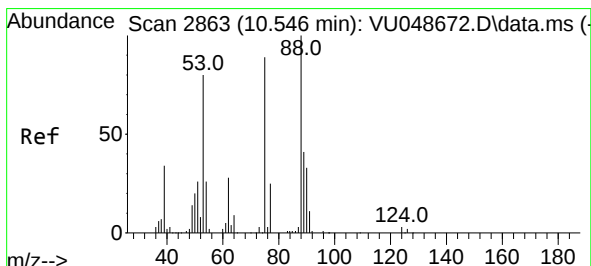
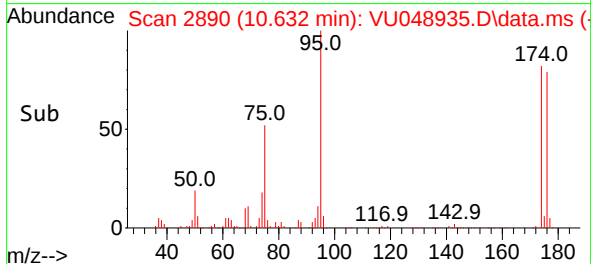
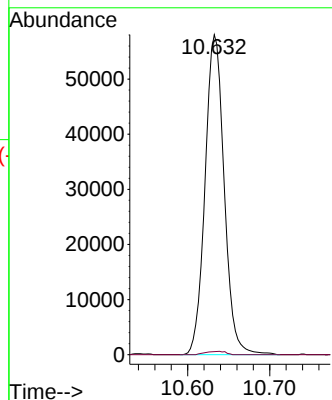
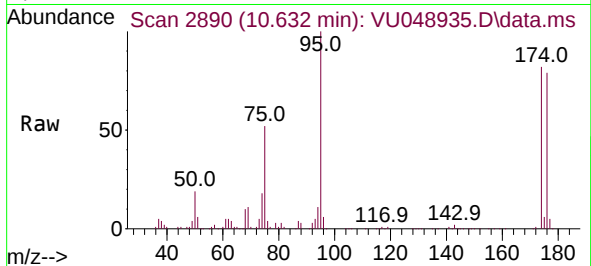




#76
1,2,3-Trichloropropane
Concen: 16.928 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048935.D
Acq: 08 Jun 2022 01:50

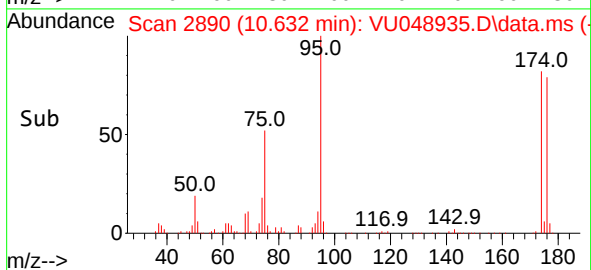
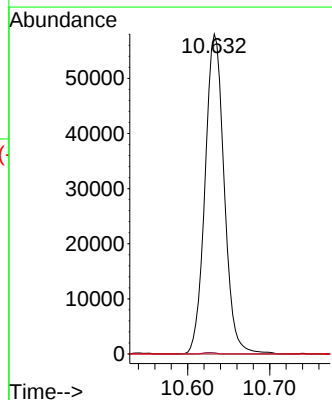
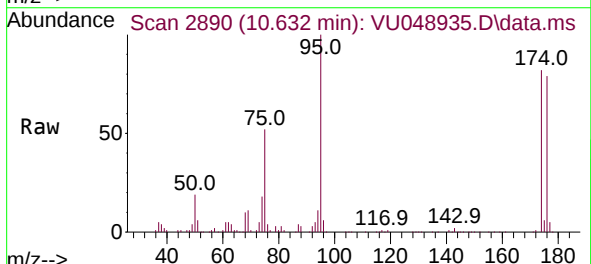
Instrument :
MSVOA_U
ClientSampleId :
41BR-20220531

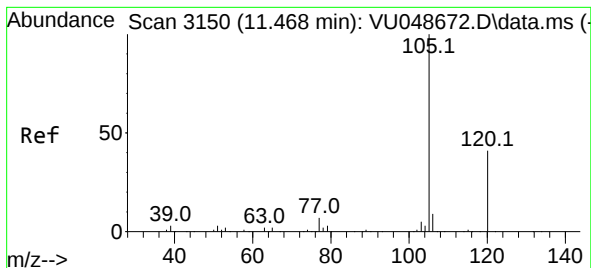
Tgt Ion: 75 Resp: 93902
Ion Ratio Lower Upper
75 100
77 1.1 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.463 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048935.D
Acq: 08 Jun 2022 01:50

Tgt Ion: 75 Resp: 93902
Ion Ratio Lower Upper
75 100
53 0.3 72.5 108.7#
89 0.0 37.0 55.4#





#84

1,2,4-Trimethylbenzene

Concen: 1.191 ug/l

RT: 11.462 min Scan# 3150

Delta R.T. -0.006 min

Lab File: VU048935.D

Acq: 08 Jun 2022 01:50

Instrument :

MSVOA_U

ClientSampleId :

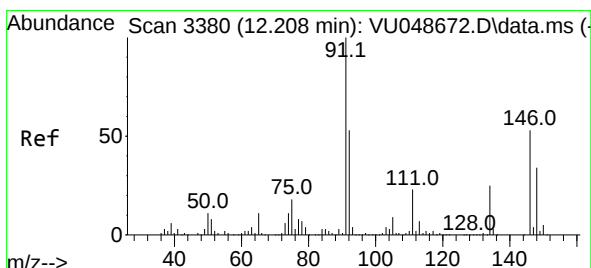
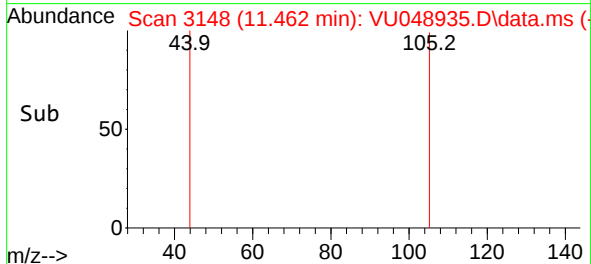
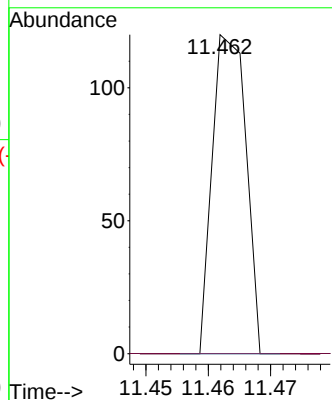
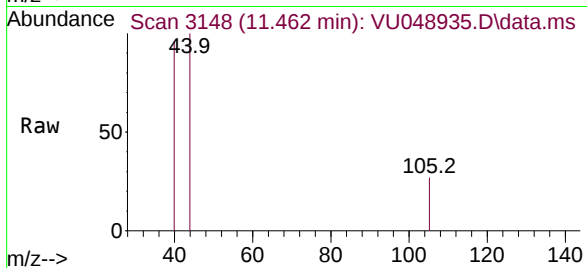
41BR-20220531

Tgt Ion:105 Resp: 45

Ion Ratio Lower Upper

105 100

120 0.0 22.5 67.5#



#89

n-Butylbenzene

Concen: 2.189 ug/l

RT: 12.217 min Scan# 3383

Delta R.T. 0.009 min

Lab File: VU048935.D

Acq: 08 Jun 2022 01:50

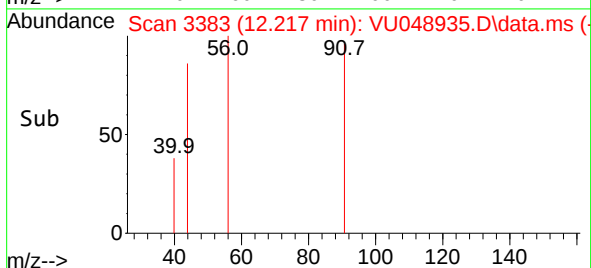
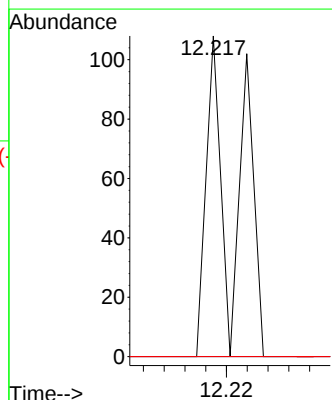
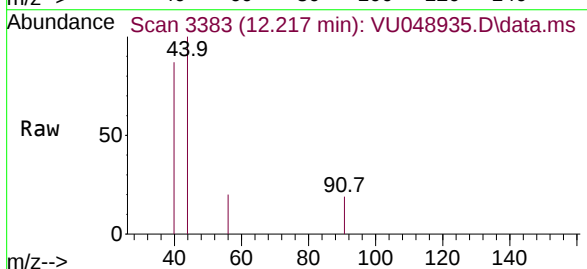
Tgt Ion: 91 Resp: 41

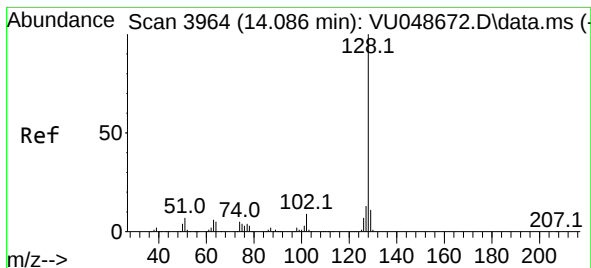
Ion Ratio Lower Upper

91 100

92 0.0 25.9 77.8#

134 0.0 12.5 37.5#





#95

Naphthalene

Concen: 2.605 ug/l

RT: 14.108 min Scan# 3971

Delta R.T. 0.022 min

Lab File: VU048935.D

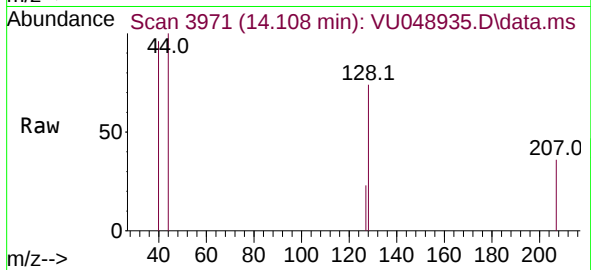
Acq: 08 Jun 2022 01:50

Instrument :

MSVOA_U

ClientSampleId :

41BR-20220531



Tgt Ion:128 Resp: 1034

Ion Ratio Lower Upper

128 100

127 4.9 10.2 15.4#

129 0.0 8.7 13.1#

