

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
 Data File : VU048916.D
 Acq On : 07 Jun 2022 17:47
 Operator : SY/MD
 Sample : N3165-18
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 21BR-20220601

Quant Time: Jun 08 04:54:50 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)

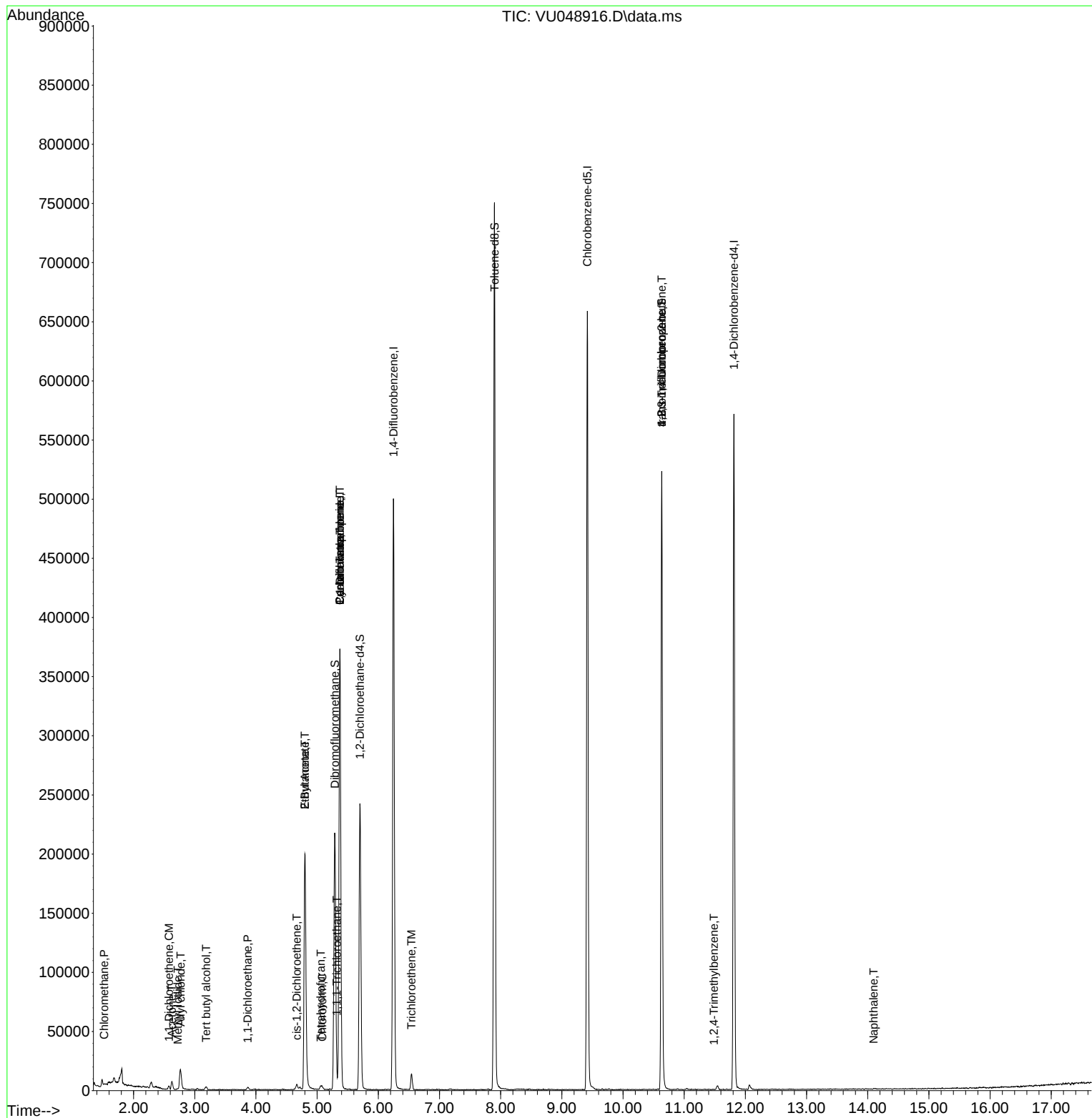
Internal Standards						
1) Pentafluorobenzene	5.372	168	249433	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	400073	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	361629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	156632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	184589	49.276	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.560%		
35) Dibromofluoromethane	5.289	113	139429	48.850	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.700%		
50) Toluene-d8	7.899	98	490325	47.924	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.840%		
62) 4-Bromofluorobenzene	10.632	95	177790	45.948	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.900%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	875	0.238	ug/l #	76
5) Bromomethane	1.838	94	260	Below Cal	#	54
6) Chloroethane	1.925	64	556	Below Cal	#	77
10) Methyl Iodide	2.723	142	754	3.184	ug/l #	91
11) Tert butyl alcohol	3.186	59	1776	1.870	ug/l #	28
12) 1,1-Dichloroethene	2.578	96	1062	0.418	ug/l #	70
14) Allyl chloride	2.771	41	2375	0.483	ug/l #	55
16) Acetone	2.626	43	8350	4.374	ug/l #	84
24) 1,1-Dichloroethane	3.864	63	2902	0.509	ug/l #	84
25) 2-Butanone	4.800	43	258256	94.167	ug/l #	49
27) cis-1,2-Dichloroethene	4.668	96	2391	0.711	ug/l	96
29) Tetrahydrofuran	5.060	42	2711	1.569	ug/l #	54
30) Chloroform	5.083	83	1242	0.218	ug/l	98
31) Cyclohexane	5.372	56	5219	1.106	ug/l #	1
32) 1,1,1-Trichloroethane	5.321	97	3030	0.586	ug/l #	50
36) 1,1-Dichloropropene	5.372	75	20089	4.822	ug/l #	50
37) Ethyl Acetate	4.800	43	258256	49.041	ug/l	98
38) Carbon Tetrachloride	5.372	117	25816	5.402	ug/l #	17
44) Trichloroethene	6.542	130	5152	1.626	ug/l	80
76) 1,2,3-Trichloropropane	10.632	75	91008	18.021	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	91008	65.431	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.484	105	21	1.189	ug/l #	31
95) Naphthalene	14.098	128	420	2.565	ug/l #	69

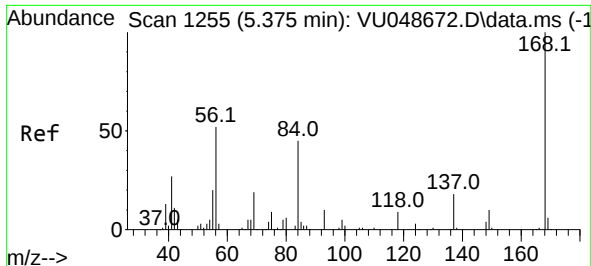
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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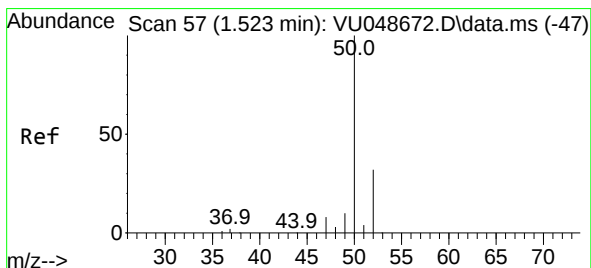
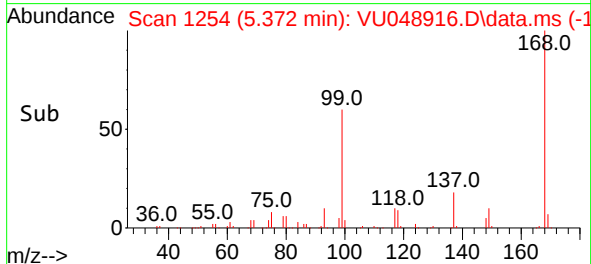
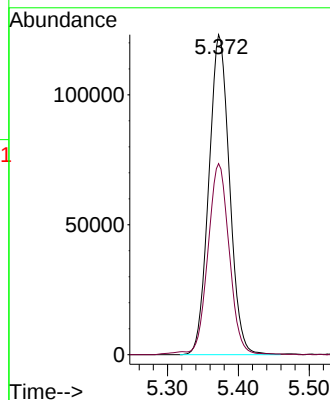
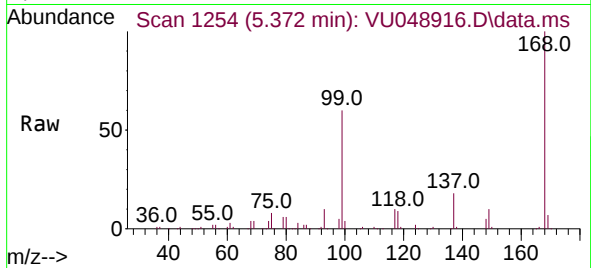




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048916.D
Acq: 07 Jun 2022 17:47

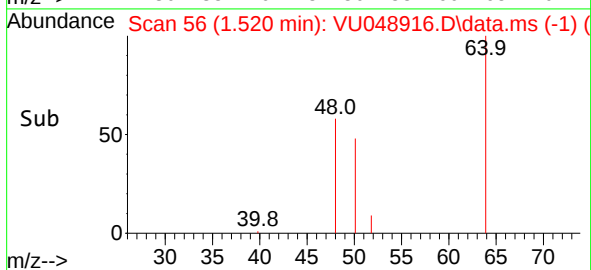
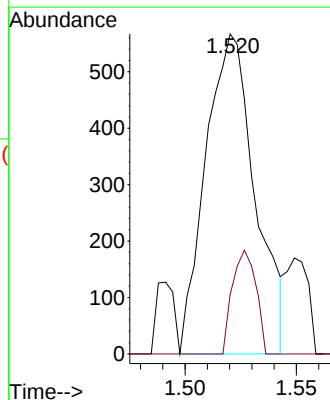
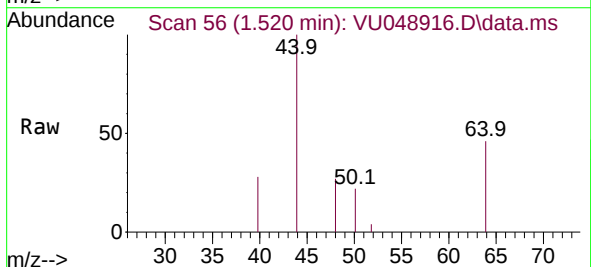
Instrument :
MSVOA_U
ClientSampleId :
21BR-20220601

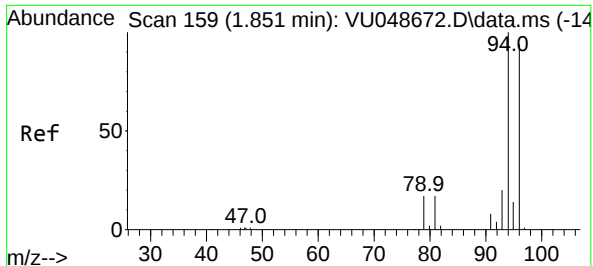
Tgt Ion:168 Resp: 249433
Ion Ratio Lower Upper
168 100
99 59.5 49.3 73.9



#3
Chloromethane
Concen: 0.238 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048916.D
Acq: 07 Jun 2022 17:47

Tgt Ion: 50 Resp: 875
Ion Ratio Lower Upper
50 100
52 18.5 25.7 38.5#

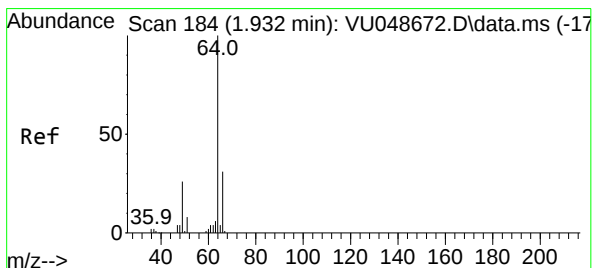
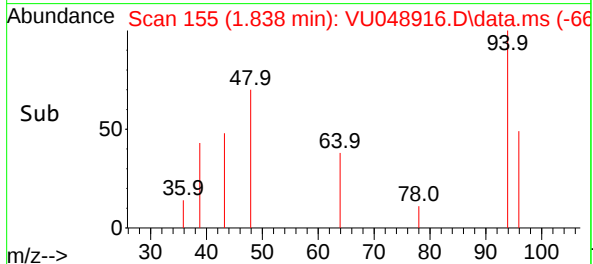
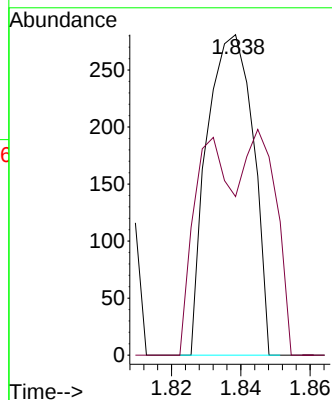
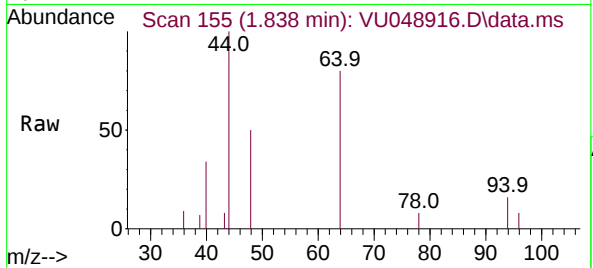




#5
Bromomethane
Concen: Below Cal
RT: 1.838 min Scan# 11
Delta R.T. -0.013 min
Lab File: VU048916.D
Acq: 07 Jun 2022 17:47

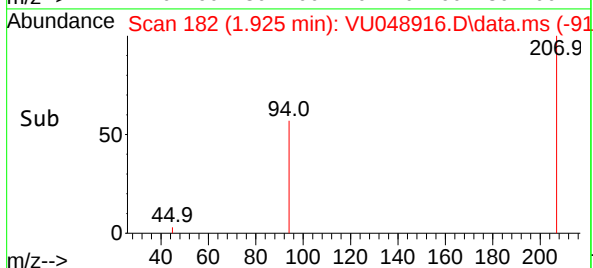
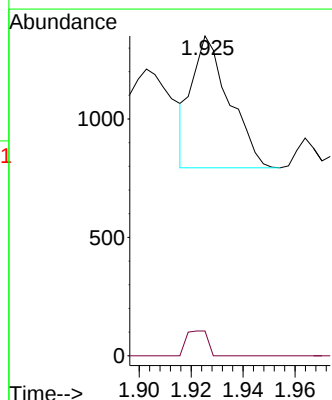
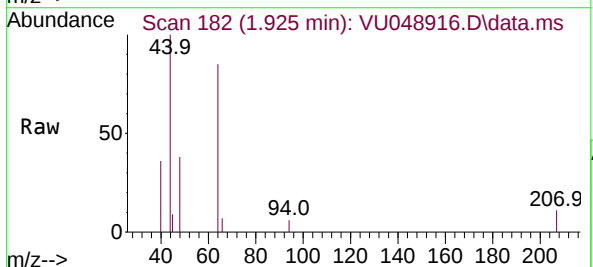
Instrument :
MSVOA_U
ClientSampleId :
21BR-20220601

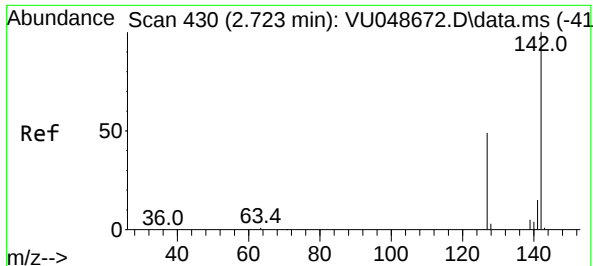
Tgt Ion: 94 Resp: 260
Ion Ratio Lower Upper
94 100
96 49.5 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.925 min Scan# 182
Delta R.T. -0.007 min
Lab File: VU048916.D
Acq: 07 Jun 2022 17:47

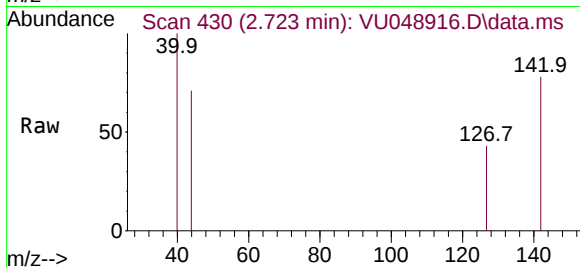
Tgt Ion: 64 Resp: 556
Ion Ratio Lower Upper
64 100
66 18.9 25.2 37.8#



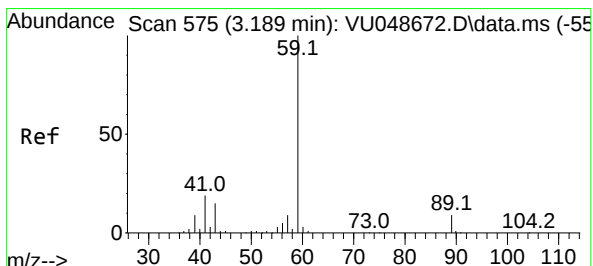
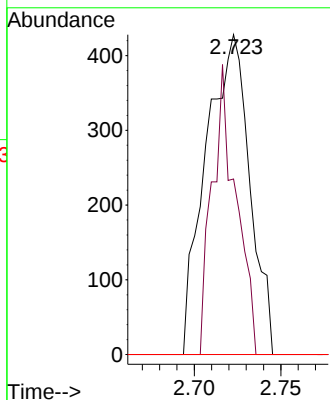
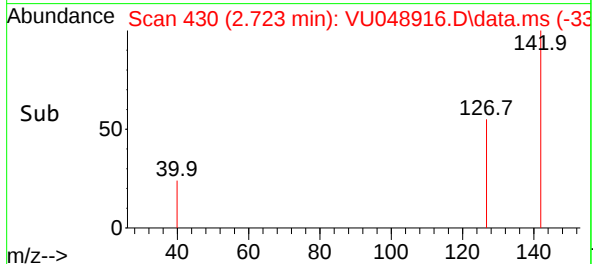


#10
Methyl Iodide
Concen: 3.184 ug/l
RT: 2.723 min Scan# 41
Delta R.T. -0.000 min
Lab File: VU048916.D
Acq: 07 Jun 2022 17:47

Instrument :
MSVOA_U
ClientSampleId :
21BR-20220601

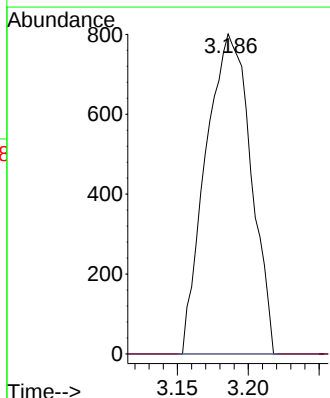
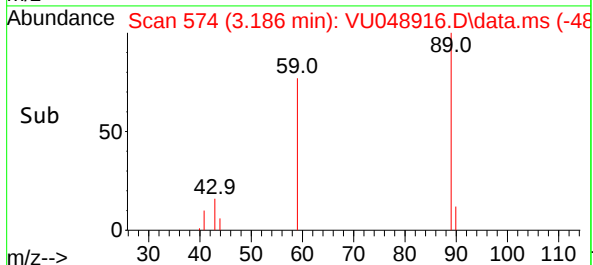
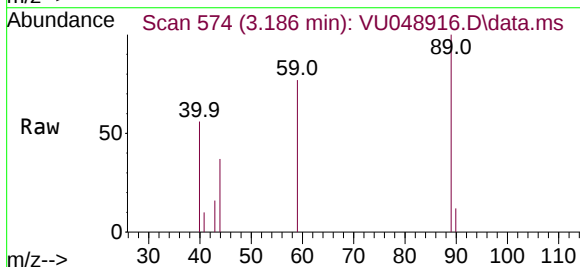


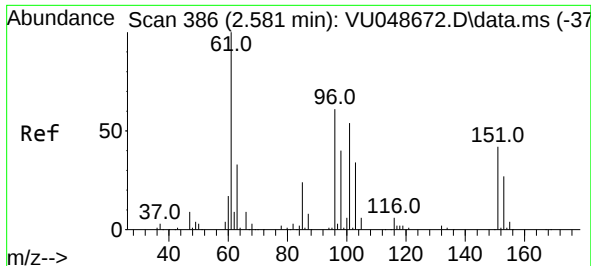
Tgt Ion:142 Resp: 754
Ion Ratio Lower Upper
142 100
127 49.1 38.4 57.6
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 1.870 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.003 min
Lab File: VU048916.D
Acq: 07 Jun 2022 17:47

Tgt Ion: 59 Resp: 1776
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#





#12

1,1-Dichloroethene

Concen: 0.418 ug/l

RT: 2.578 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU048916.D

Acq: 07 Jun 2022 17:47

Instrument :

MSVOA_U

ClientSampleId :

21BR-20220601

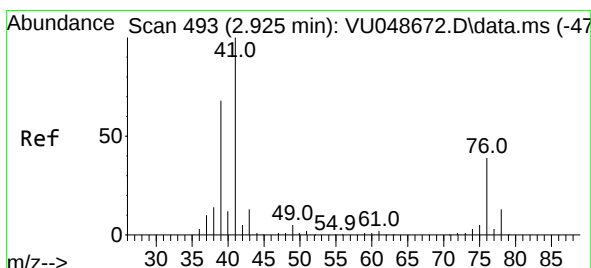
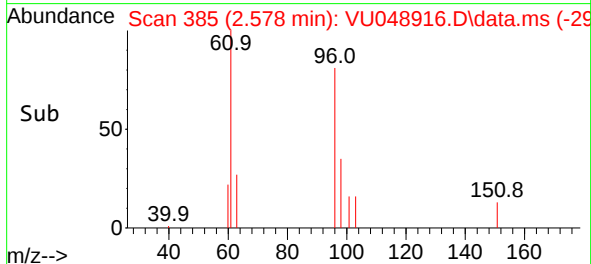
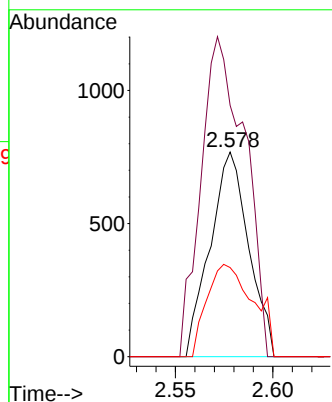
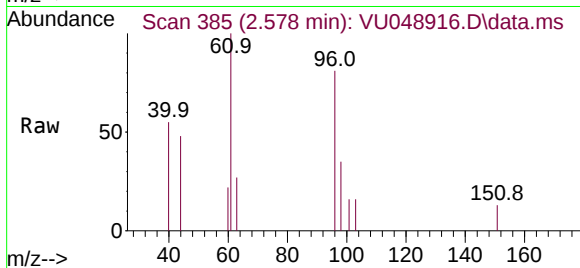
Tgt Ion: 96 Resp: 1062

Ion Ratio Lower Upper

96 100

61 122.8 131.1 196.7#

98 43.6 51.8 77.8#



#14

Allyl chloride

Concen: 0.483 ug/l

RT: 2.771 min Scan# 445

Delta R.T. -0.154 min

Lab File: VU048916.D

Acq: 07 Jun 2022 17:47

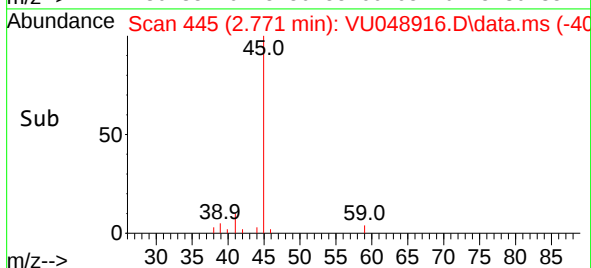
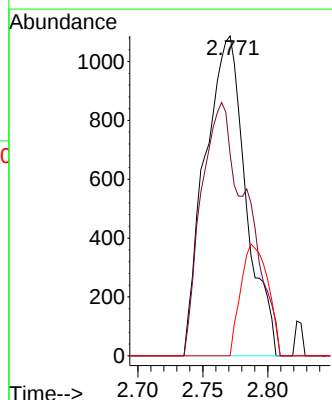
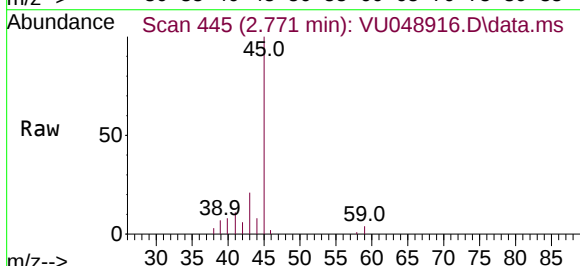
Tgt Ion: 41 Resp: 2375

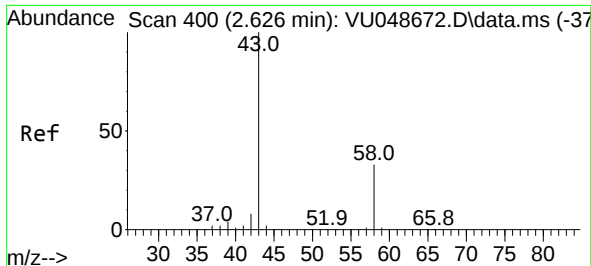
Ion Ratio Lower Upper

41 100

39 88.8 48.6 72.8#

76 0.0 27.0 40.4#

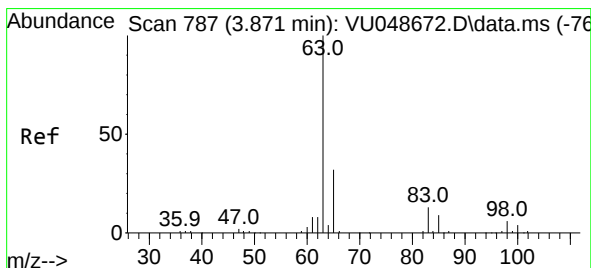
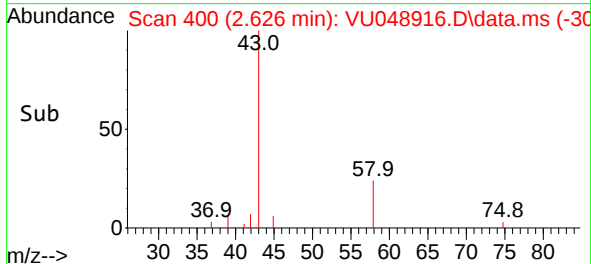
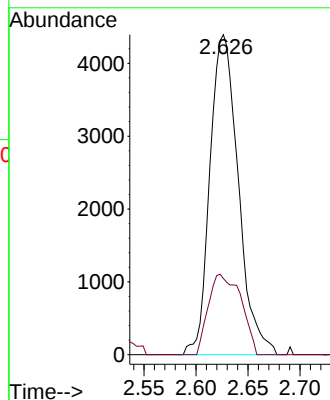
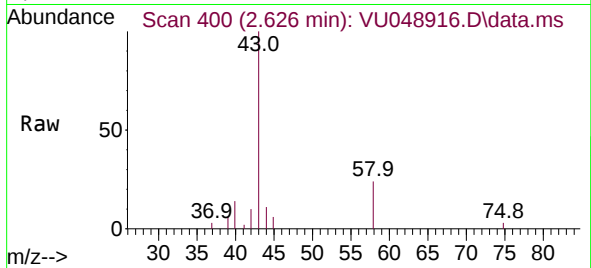




#16
Acetone
Concen: 4.374 ug/l
RT: 2.626 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU048916.D
Acq: 07 Jun 2022 17:47

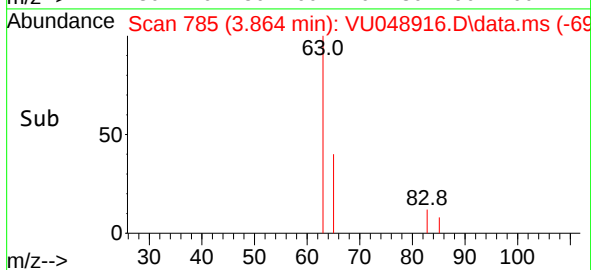
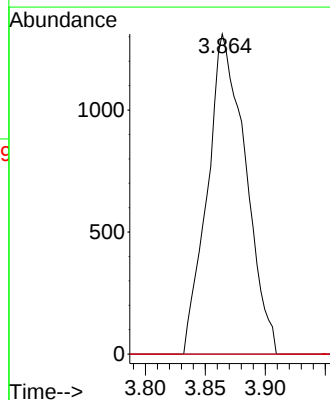
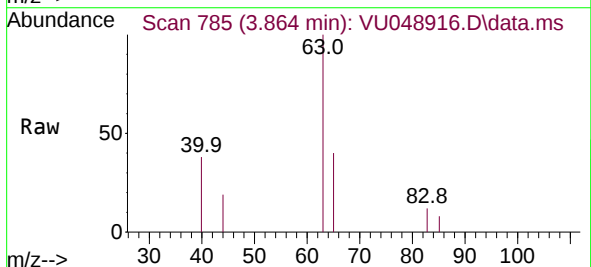
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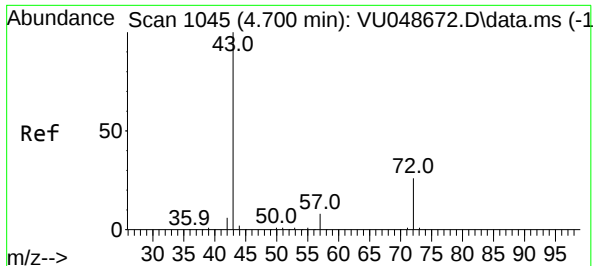
Tgt Ion: 43 Resp: 8350
Ion Ratio Lower Upper
43 100
58 23.8 26.3 39.5#



#24
1,1-Dichloroethane
Concen: 0.509 ug/l
RT: 3.864 min Scan# 785
Delta R.T. -0.006 min
Lab File: VU048916.D
Acq: 07 Jun 2022 17:47

Tgt Ion: 63 Resp: 2902
Ion Ratio Lower Upper
63 100
98 0.0 3.1 9.3#
100 0.0 2.0 5.8#





#25

2-Butanone

Concen: 94.167 ug/l

RT: 4.800 min Scan# 1076

Delta R.T. 0.100 min

Lab File: VU048916.D

Acq: 07 Jun 2022 17:47

Instrument :

MSVOA_U

ClientSampleId :

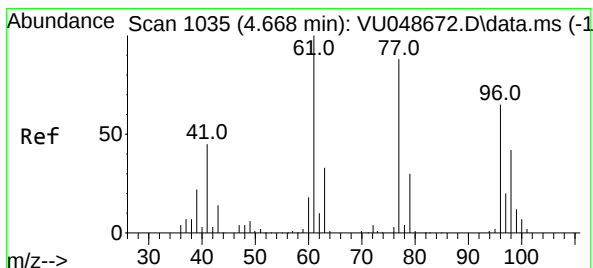
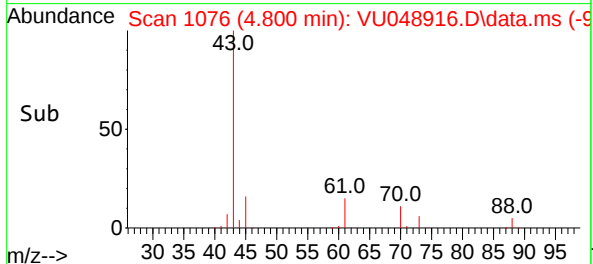
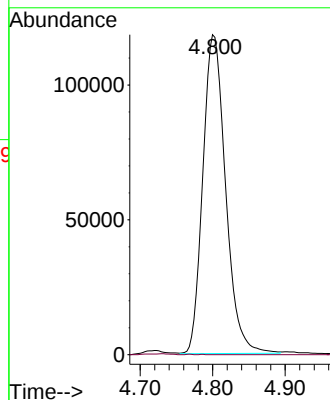
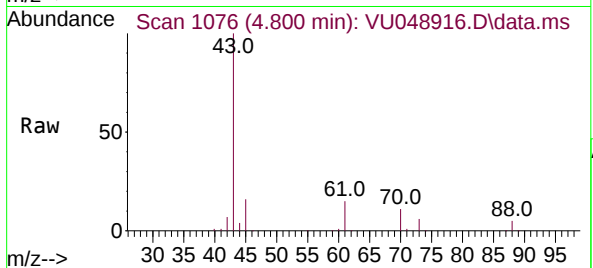
21BR-20220601

Tgt Ion: 43 Resp: 258256

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#



#27

cis-1,2-Dichloroethene

Concen: 0.711 ug/l

RT: 4.668 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VU048916.D

Acq: 07 Jun 2022 17:47

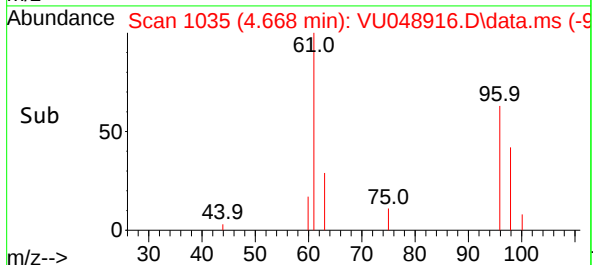
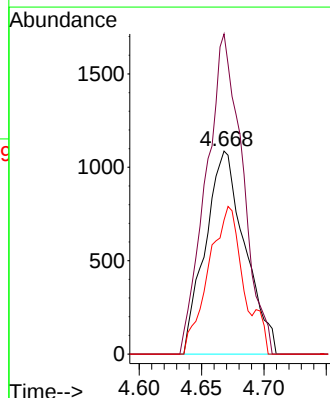
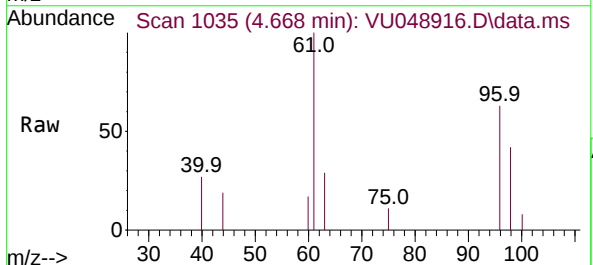
Tgt Ion: 96 Resp: 2391

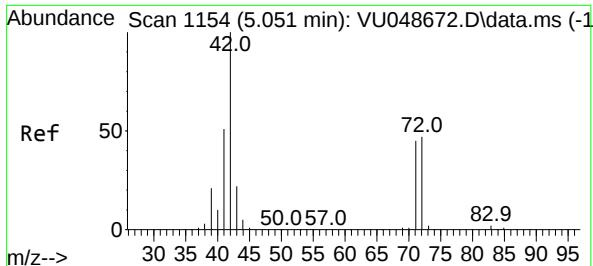
Ion Ratio Lower Upper

96 100

61 145.8 0.0 306.2

98 65.2 0.0 130.4





#29

Tetrahydrofuran

Concen: 1.569 ug/l

RT: 5.060 min Scan# 1157

Delta R.T. 0.010 min

Lab File: VU048916.D

Acq: 07 Jun 2022 17:47

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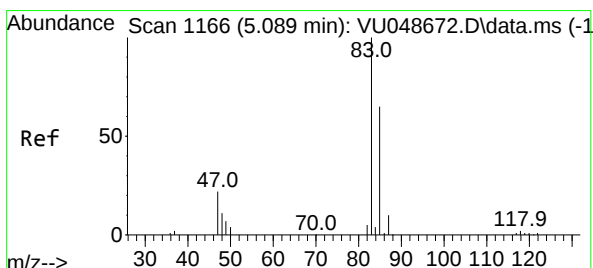
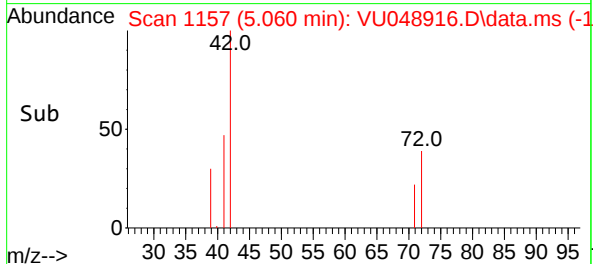
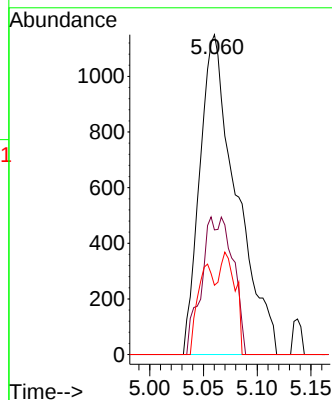
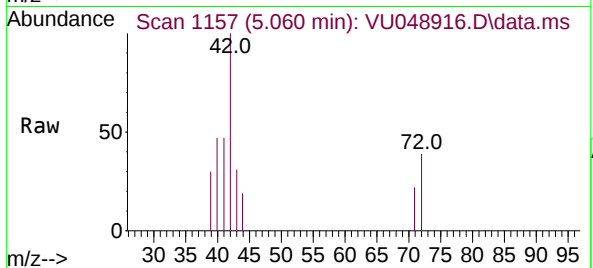
Tgt Ion: 42 Resp: 2711

Ion Ratio Lower Upper

42 100

72 17.1 37.6 56.4#

71 12.6 35.0 52.4#



#30

Chloroform

Concen: 0.218 ug/l

RT: 5.083 min Scan# 1164

Delta R.T. -0.006 min

Lab File: VU048916.D

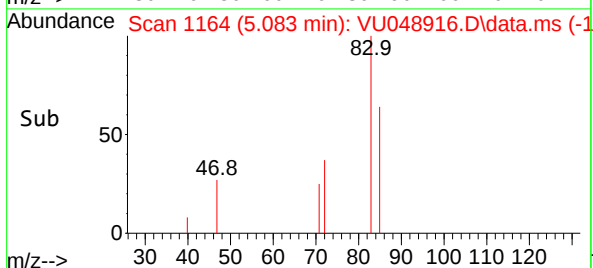
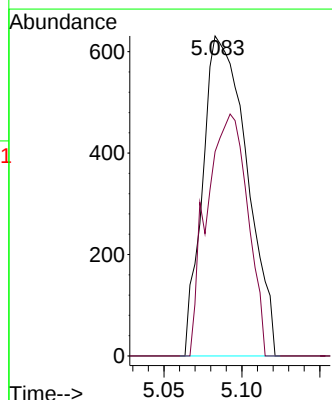
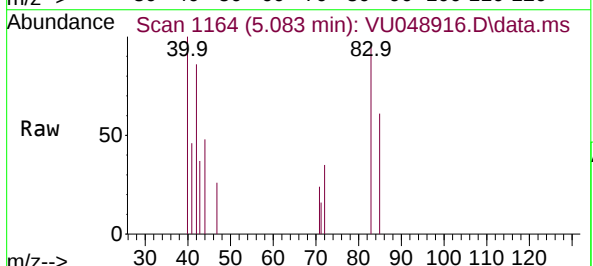
Acq: 07 Jun 2022 17:47

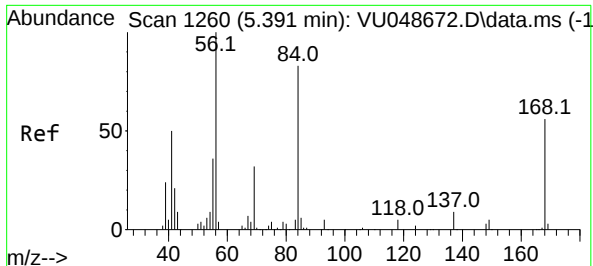
Tgt Ion: 83 Resp: 1242

Ion Ratio Lower Upper

83 100

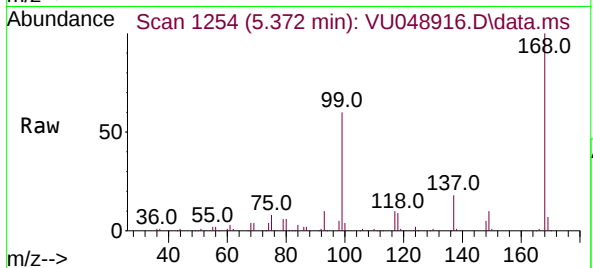
85 63.9 52.2 78.2



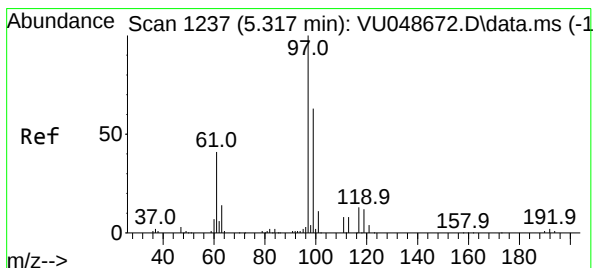
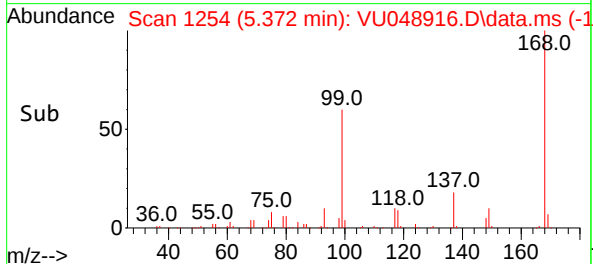
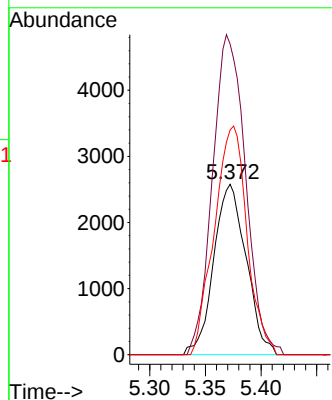


#31
Cyclohexane
Concen: 1.106 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.019 min
Lab File: VU048916.D
Acq: 07 Jun 2022 17:47

Instrument :
MSVOA_U
ClientSampleId :
21BR-20220601

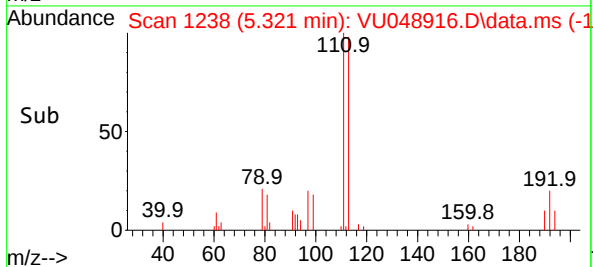
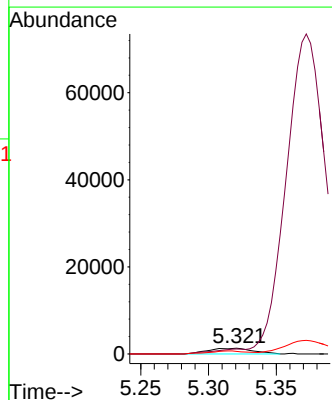
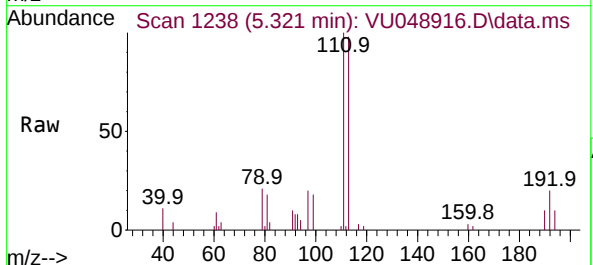


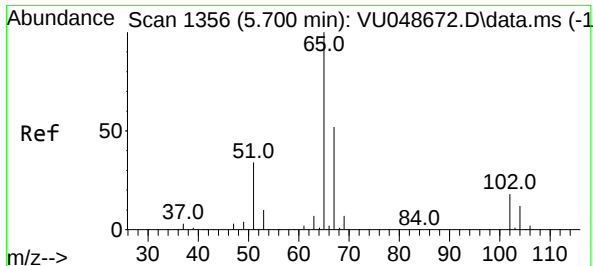
Tgt Ion: 56 Resp: 5219
Ion Ratio Lower Upper
56 100
69 182.3 25.6 38.4#
84 131.9 66.2 99.4#



#32
1,1,1-Trichloroethane
Concen: 0.586 ug/l
RT: 5.321 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VU048916.D
Acq: 07 Jun 2022 17:47

Tgt Ion: 97 Resp: 3030
Ion Ratio Lower Upper
97 100
99 0.0 51.6 77.4#
61 44.9 34.5 51.7





#33

1,2-Dichloroethane-d4

Concen: 49.276 ug/l

RT: 5.700 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048916.D

Acq: 07 Jun 2022 17:47

Instrument :

MSVOA_U

ClientSampleId :

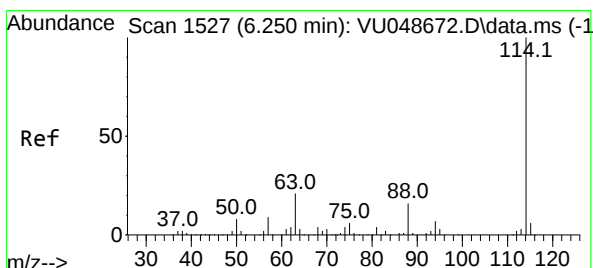
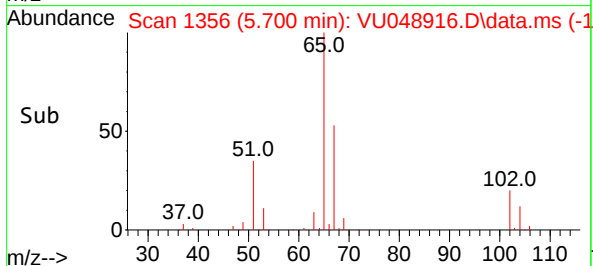
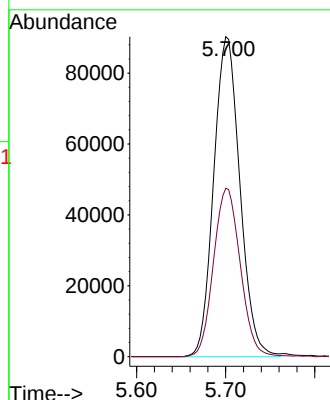
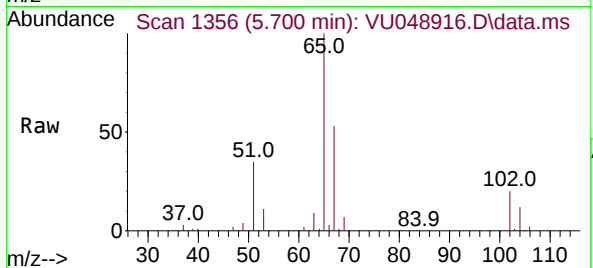
21BR-20220601

Tgt Ion: 65 Resp: 184589

Ion Ratio Lower Upper

65 100

67 53.7 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. -0.000 min

Lab File: VU048916.D

Acq: 07 Jun 2022 17:47

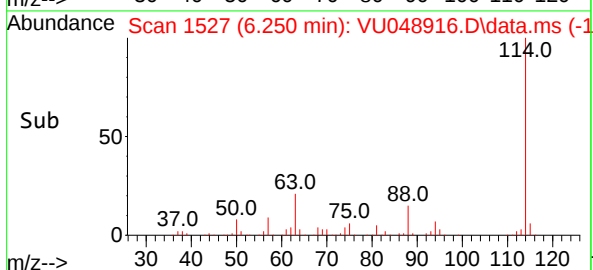
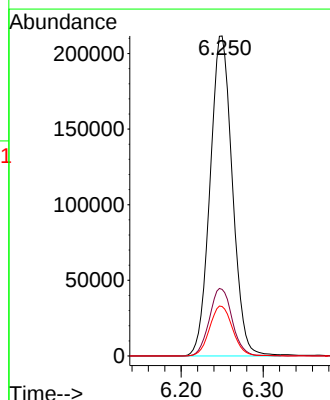
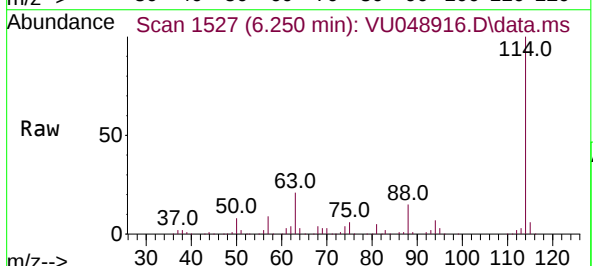
Tgt Ion: 114 Resp: 400073

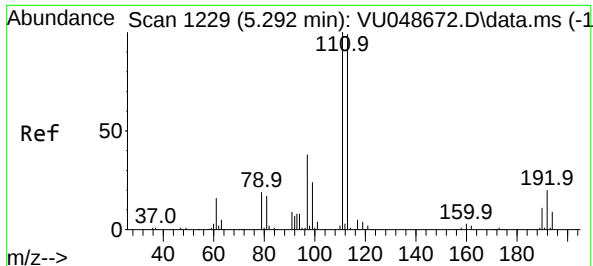
Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.6

88 15.4 0.0 32.2

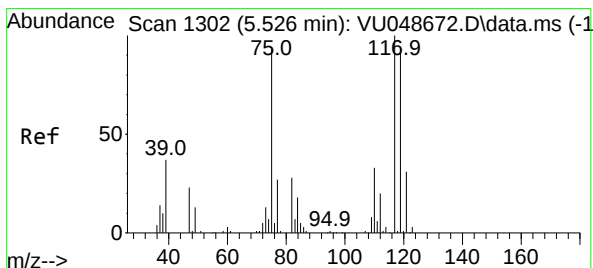
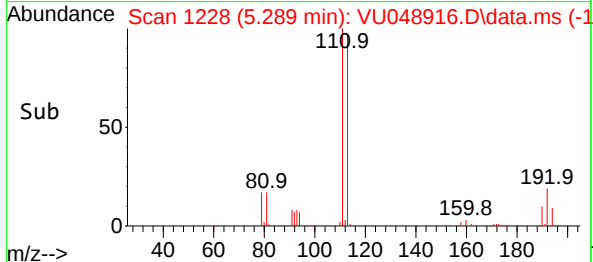
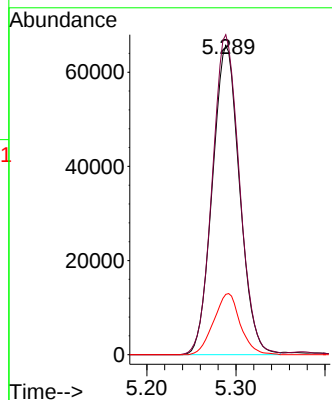
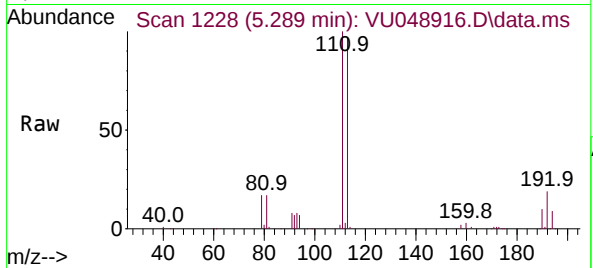




#35
Dibromofluoromethane
Concen: 48.850 ug/l
RT: 5.289 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048916.D
Acq: 07 Jun 2022 17:47

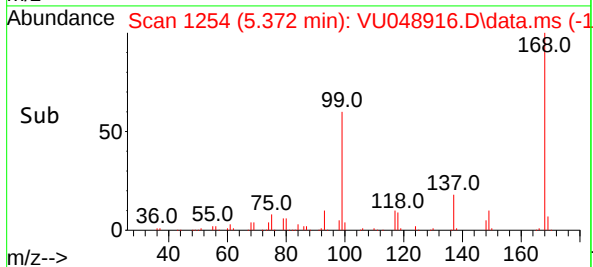
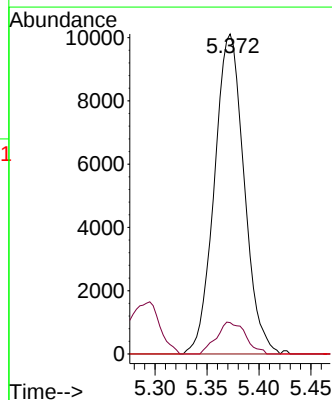
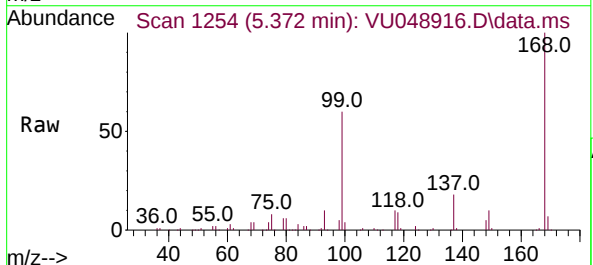
Instrument :
MSVOA_U
ClientSampleId :
21BR-20220601

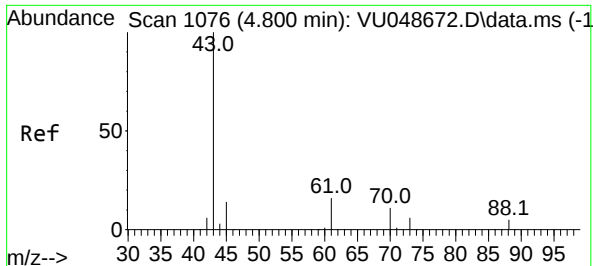
Tgt Ion:113 Resp: 139429
Ion Ratio Lower Upper
113 100
111 103.4 80.7 121.1
192 19.3 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.822 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU048916.D
Acq: 07 Jun 2022 17:47

Tgt Ion: 75 Resp: 20089
Ion Ratio Lower Upper
75 100
110 9.7 17.4 52.3#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 49.041 ug/l

RT: 4.800 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048916.D

Acq: 07 Jun 2022 17:47

Instrument :

MSVOA_U

ClientSampleId :

21BR-20220601

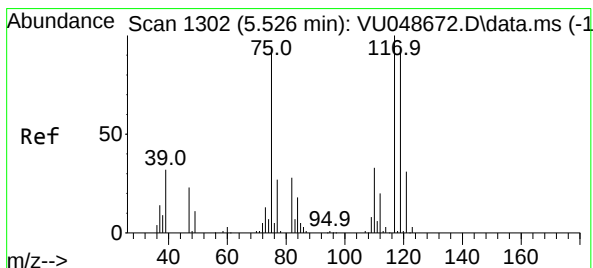
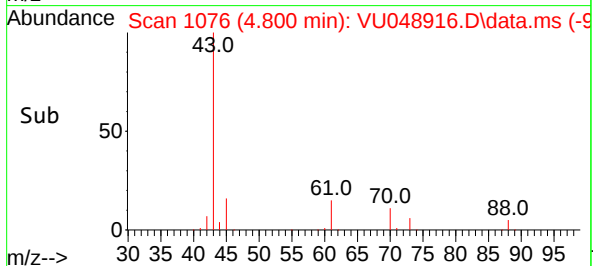
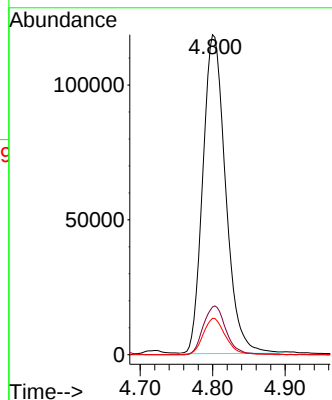
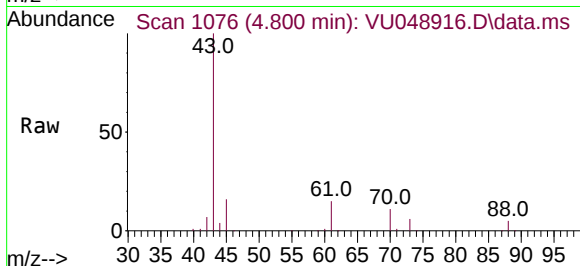
Tgt Ion: 43 Resp: 258256

Ion Ratio Lower Upper

43 100

61 15.2 11.7 17.5

70 11.2 8.4 12.6



#38

Carbon Tetrachloride

Concen: 5.402 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048916.D

Acq: 07 Jun 2022 17:47

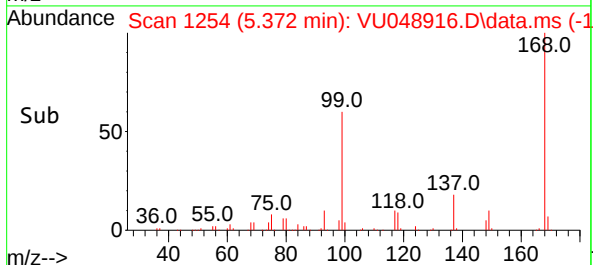
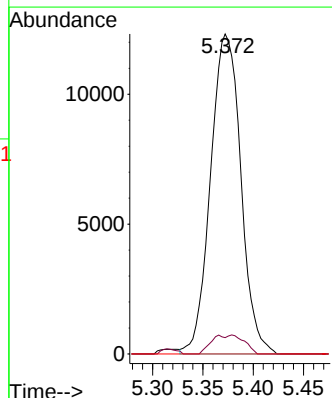
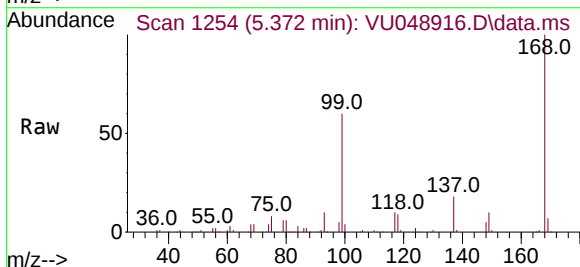
Tgt Ion: 117 Resp: 25816

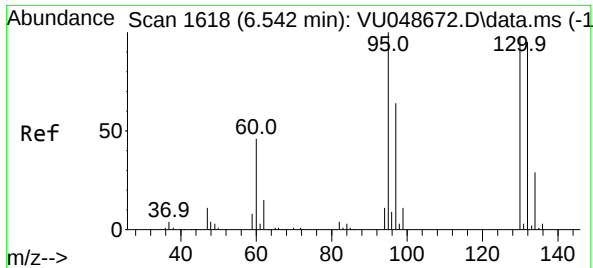
Ion Ratio Lower Upper

117 100

119 5.1 75.4 113.2#

121 0.0 24.6 36.8#

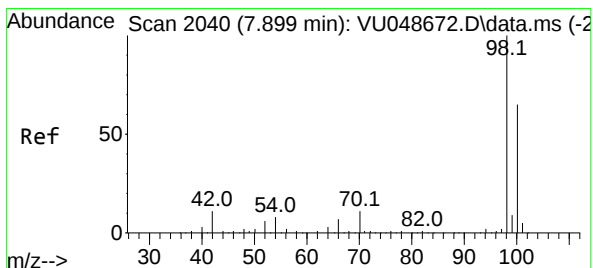
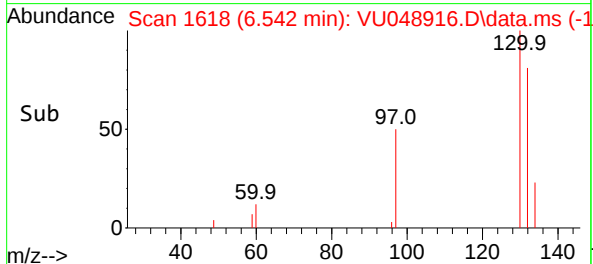
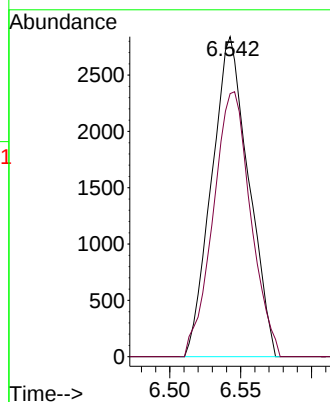
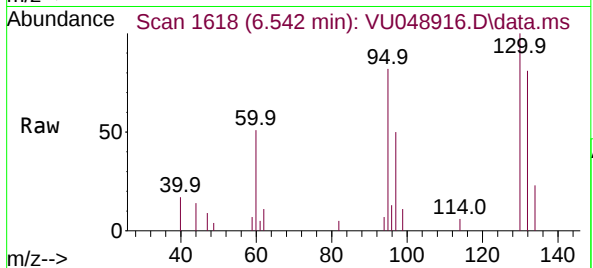




#44
Trichloroethene
Concen: 1.626 ug/l
RT: 6.542 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU048916.D
Acq: 07 Jun 2022 17:47

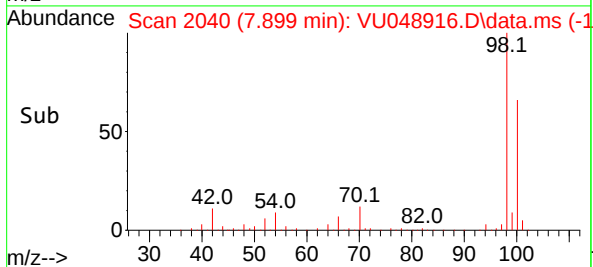
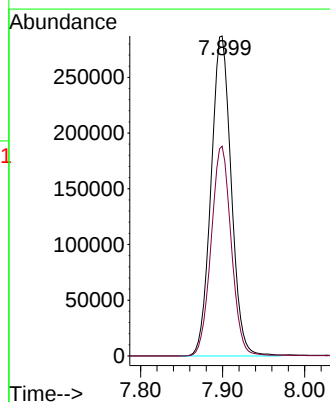
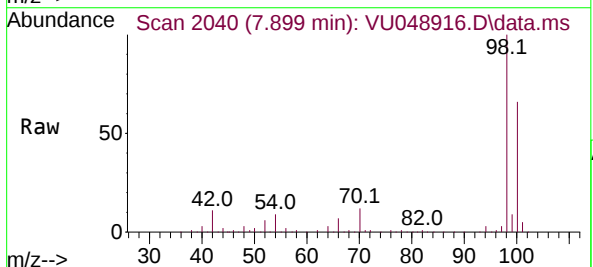
Instrument :
MSVOA_U
ClientSampleId :
21BR-20220601

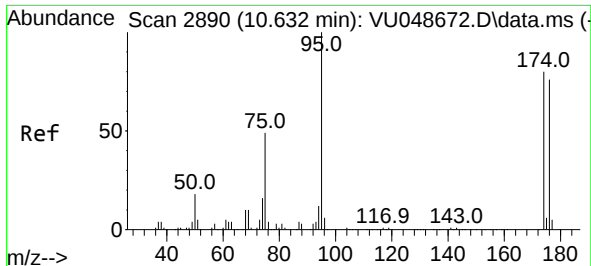
Tgt Ion:130 Resp: 5152
Ion Ratio Lower Upper
130 100
95 82.2 0.0 204.8



#50
Toluene-d8
Concen: 47.924 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU048916.D
Acq: 07 Jun 2022 17:47

Tgt Ion: 98 Resp: 490325
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.4

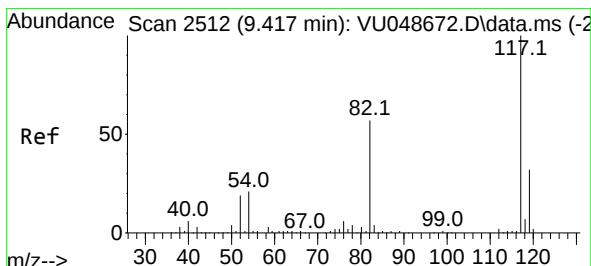
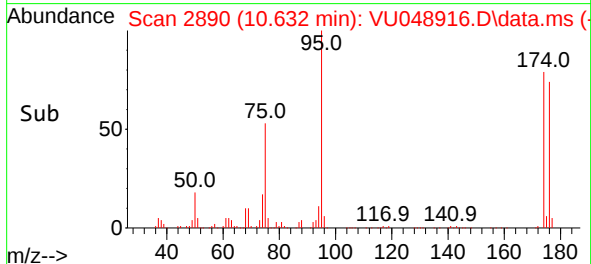
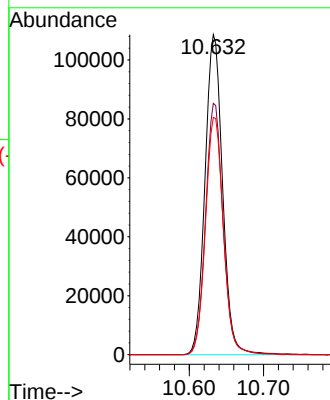
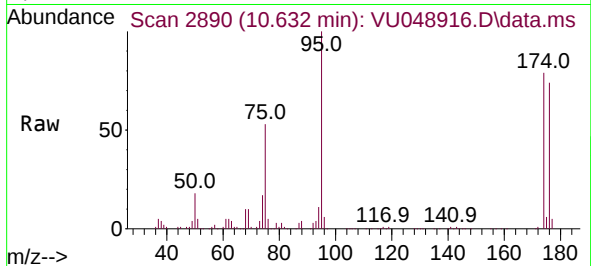




#62
4-Bromofluorobenzene
Concen: 45.948 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048916.D
Acq: 07 Jun 2022 17:47

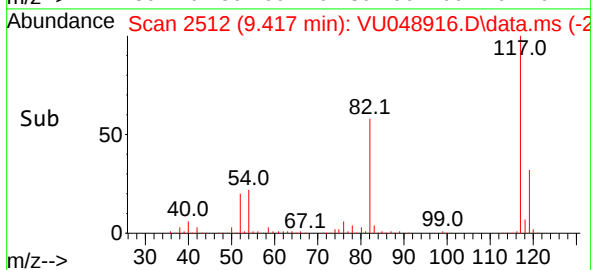
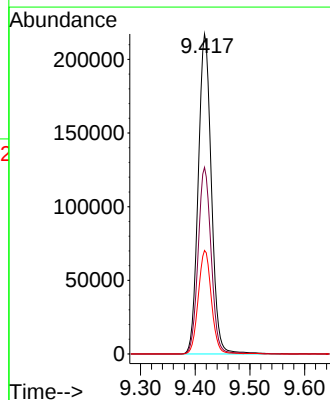
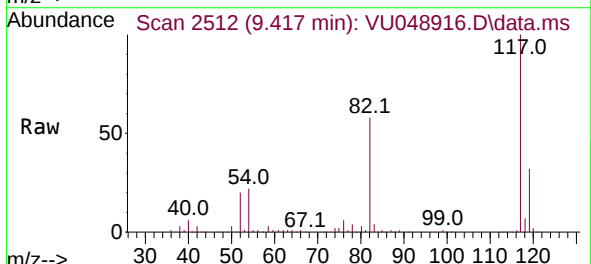
Instrument :
MSVOA_U
ClientSampleId :
21BR-20220601

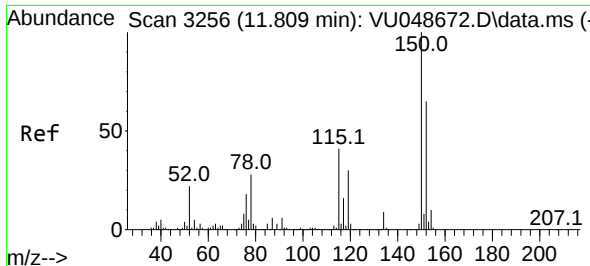
Tgt Ion: 95 Resp: 177790
Ion Ratio Lower Upper
95 100
174 78.5 0.0 159.4
176 75.6 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048916.D
Acq: 07 Jun 2022 17:47

Tgt Ion: 117 Resp: 361629
Ion Ratio Lower Upper
117 100
82 58.3 45.3 67.9
119 32.4 25.4 38.2

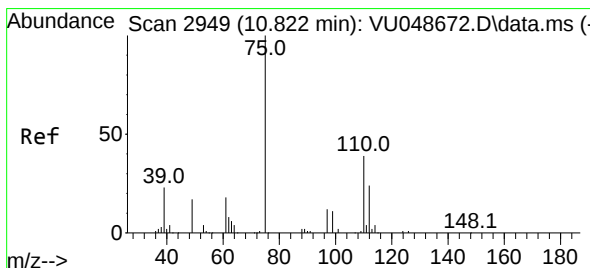
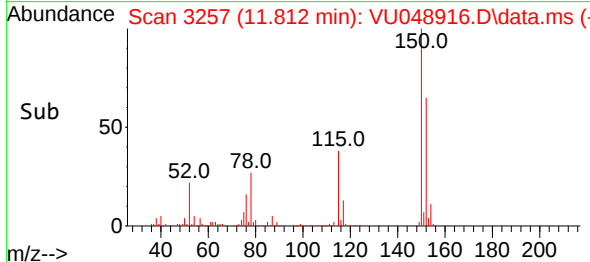
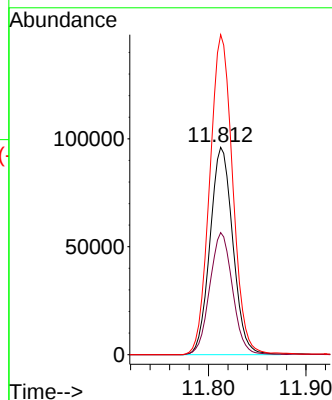
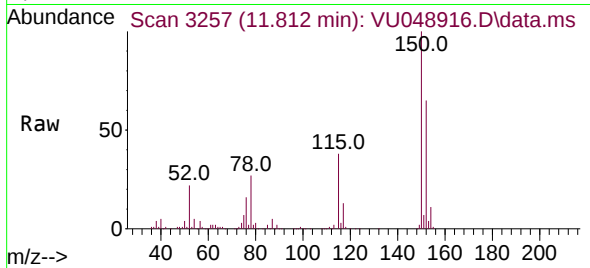




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048916.D
Acq: 07 Jun 2022 17:47

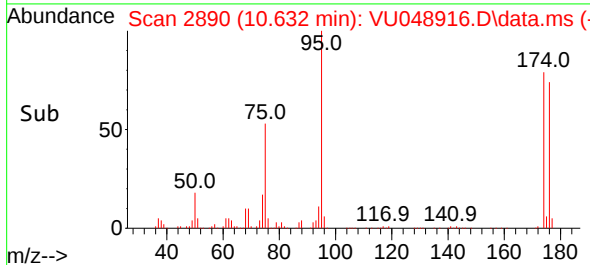
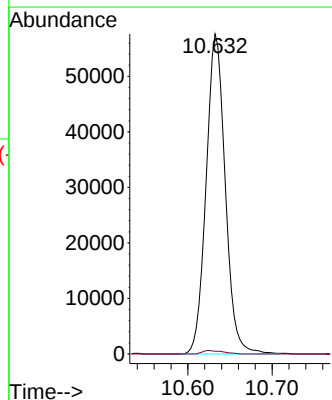
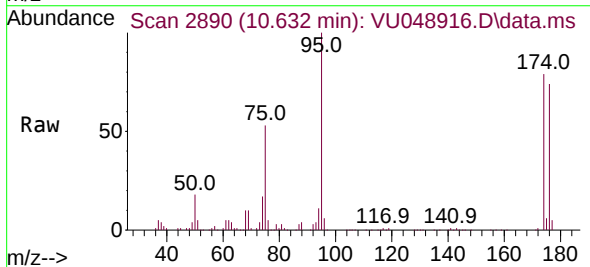
Instrument :
MSVOA_U
ClientSampleId :
21BR-20220601

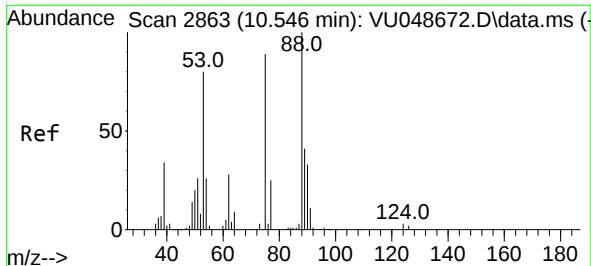
Tgt Ion:152 Resp: 156632
Ion Ratio Lower Upper
152 100
115 58.6 41.8 125.4
150 155.4 0.0 341.0



#76
1,2,3-Trichloropropane
Concen: 18.021 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048916.D
Acq: 07 Jun 2022 17:47

Tgt Ion: 75 Resp: 91008
Ion Ratio Lower Upper
75 100
77 1.2 14.8 44.3#

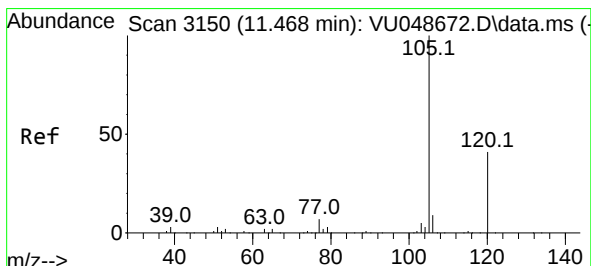
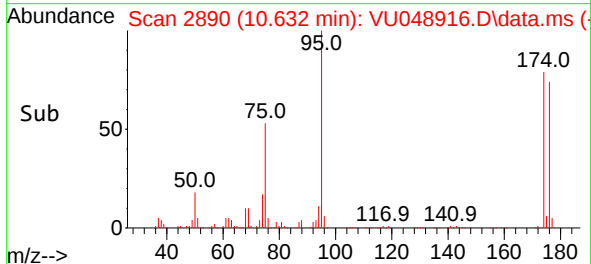
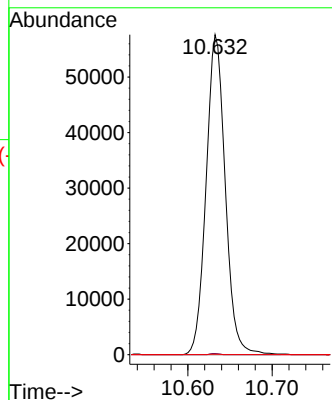
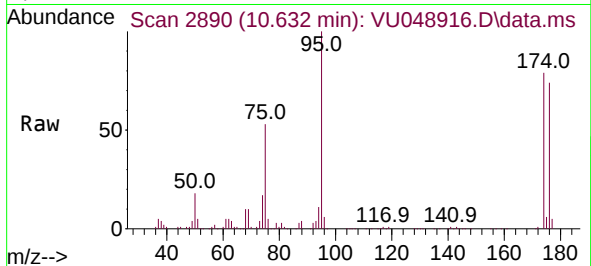




#81
trans-1,4-Dichloro-2-butene
Concen: 65.431 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048916.D
Acq: 07 Jun 2022 17:47

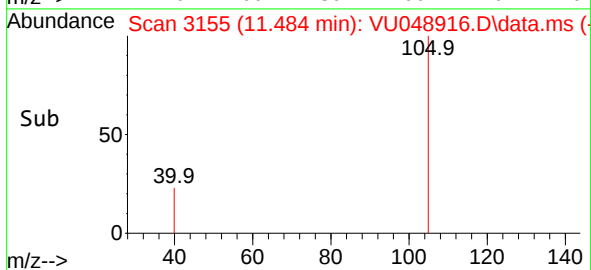
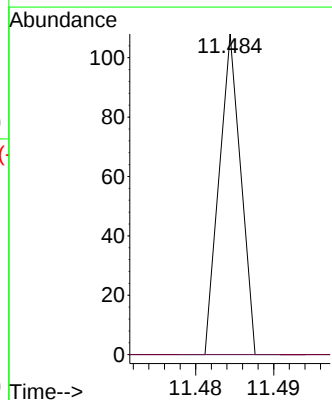
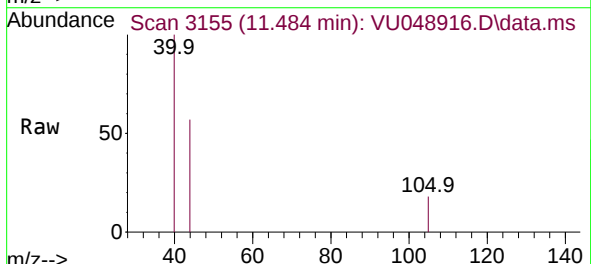
Instrument :
MSVOA_U
ClientSampleId :
21BR-20220601

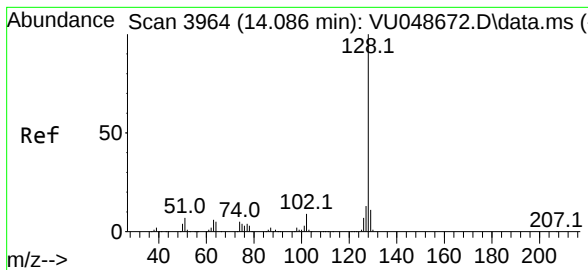
Tgt Ion: 75 Resp: 91008
Ion Ratio Lower Upper
75 100
53 0.2 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.189 ug/l
RT: 11.484 min Scan# 3155
Delta R.T. 0.016 min
Lab File: VU048916.D
Acq: 07 Jun 2022 17:47

Tgt Ion: 105 Resp: 21
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#





#95
Naphthalene
Concen: 2.565 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.012 min
Lab File: VU048916.D
Acq: 07 Jun 2022 17:47

Instrument :
MSVOA_U
ClientSampleId :
21BR-20220601

Tgt Ion:	128	Resp:	420
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	8.7	13.1#

