

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060322\
 Data File : VU048865.D
 Acq On : 03 Jun 2022 18:14
 Operator : SY/MD
 Sample : N3170-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 20220422-SPLP-AMENDED-COMPOSITE-B

Quant Time: Jun 04 04:40:07 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)

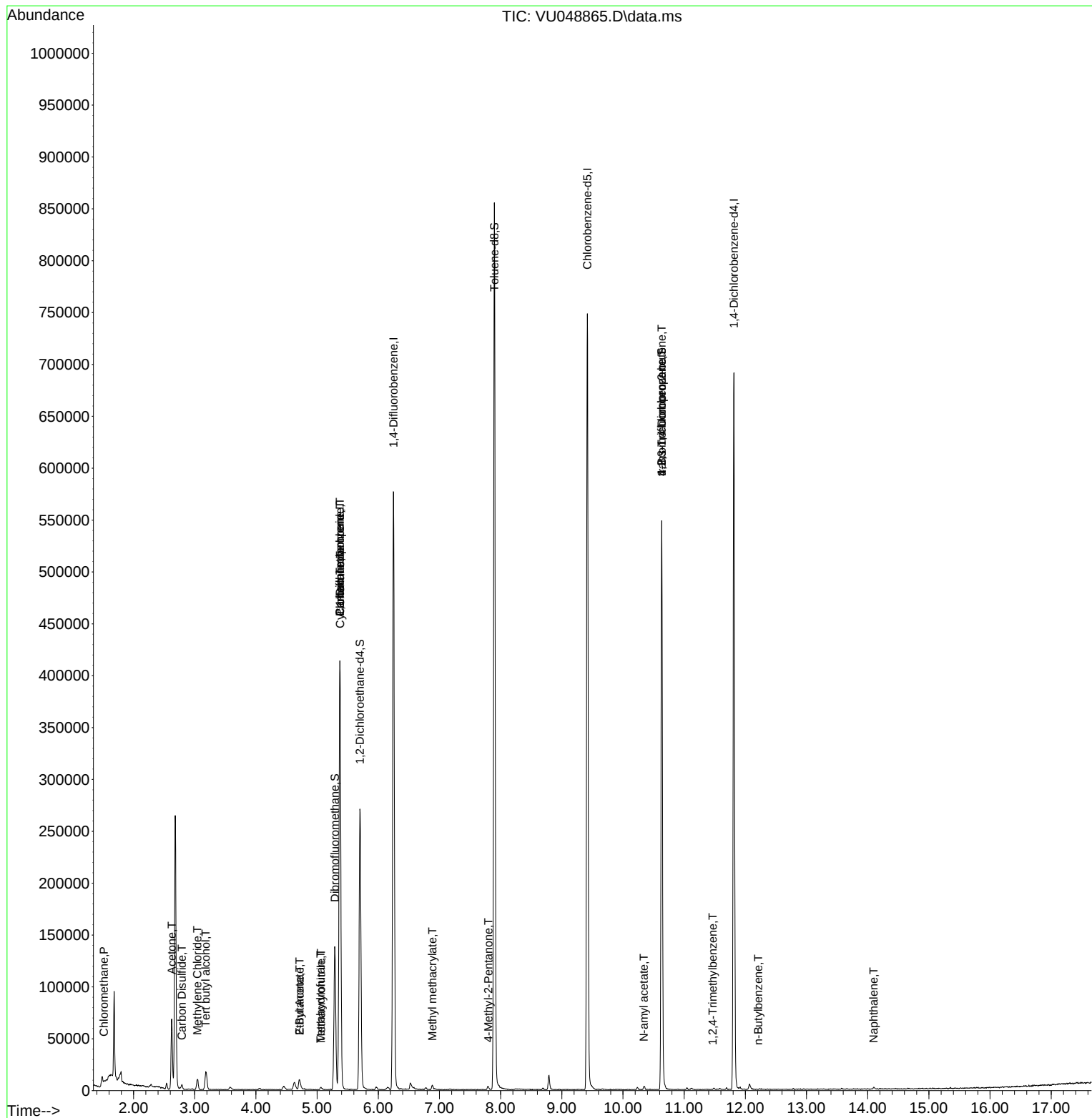
Internal Standards						
1) Pentafluorobenzene	5.372	168	276060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	460148	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	423115	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.813	152	183701	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	209309	50.486	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.980%			
35) Dibromofluoromethane	5.289	113	89342	27.215	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 54.440%#			
50) Toluene-d8	7.896	98	559889	47.579	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.160%			
62) 4-Bromofluorobenzene	10.633	95	183719	41.281	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 82.560%#			
Target Compounds						Qvalue
3) Chloromethane	1.517	50	1204	0.296	ug/l #	81
5) Bromomethane	1.852	94	131	Below Cal	#	78
6) Chloroethane	1.906	64	478	Below Cal	#	43
11) Tert butyl alcohol	3.179	59	10833	10.306	ug/l #	30
13) Acrolein	2.488	56	584	Below Cal		89
16) Acetone	2.623	43	71085	33.644	ug/l	98
17) Carbon Disulfide	2.790	76	4819	0.588	ug/l	99
20) Methylene Chloride	3.041	84	5098	1.419	ug/l #	82
25) 2-Butanone	4.713	43	15173	4.999	ug/l	98
29) Tetrahydrofuran	5.057	42	1427	0.746	ug/l #	44
31) Cyclohexane	5.376	56	6222	1.191	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	23239	4.850	ug/l #	50
37) Ethyl Acetate	4.713	43	15173	2.505	ug/l #	68
38) Carbon Tetrachloride	5.372	117	28955	5.268	ug/l #	17
41) Methacrylonitrile	5.064	41	670	0.219	ug/l #	45
48) Methyl methacrylate	6.883	41	1400	0.355	ug/l #	30
51) 4-Methyl-2-Pentanone	7.800	43	2787	0.488	ug/l	88
74) N-amyl acetate	10.343	43	818	2.596	ug/l #	43
76) 1,2,3-Trichloropropane	10.633	75	96941	16.367	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.633	75	96941	59.426	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.469	105	224	1.207	ug/l #	31
89) n-Butylbenzene	12.211	91	67	2.191	ug/l #	34
95) Naphthalene	14.095	128	1888	2.657	ug/l #	88

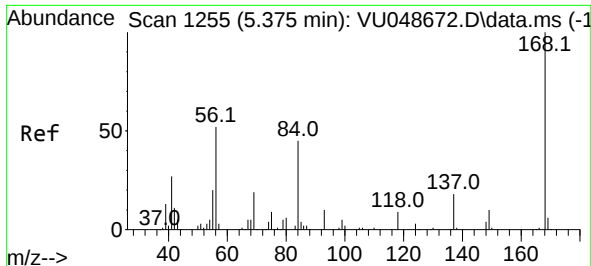
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060322\
 Data File : VU048865.D
 Acq On : 03 Jun 2022 18:14
 Operator : SY/MD
 Sample : N3170-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 20220422-SPLP-AMENDED-COMPOSITE-B

Quant Time: Jun 04 04:40:07 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

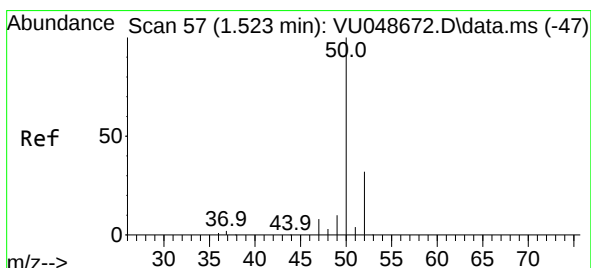
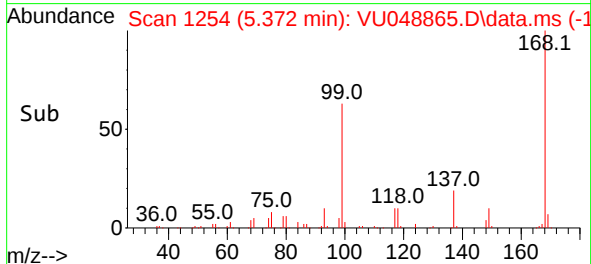
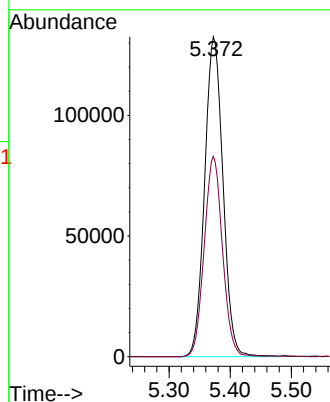
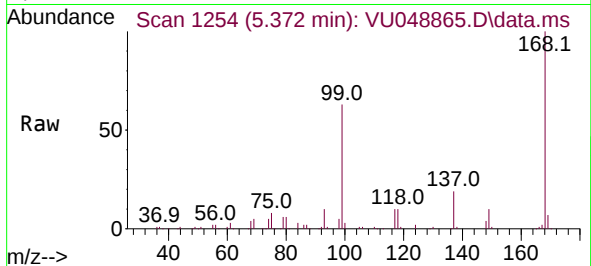




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048865.D
Acq: 03 Jun 2022 18:14

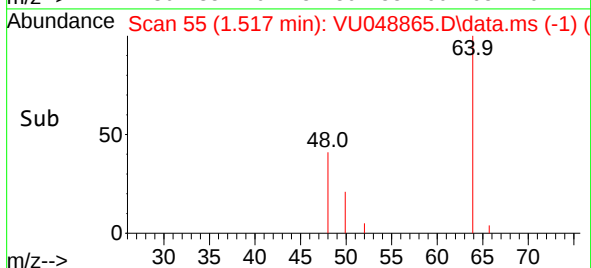
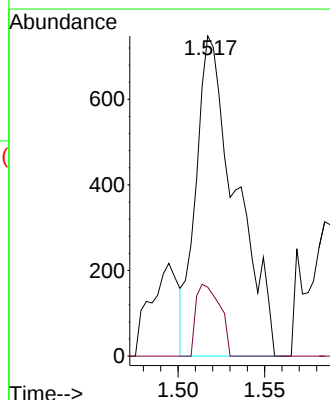
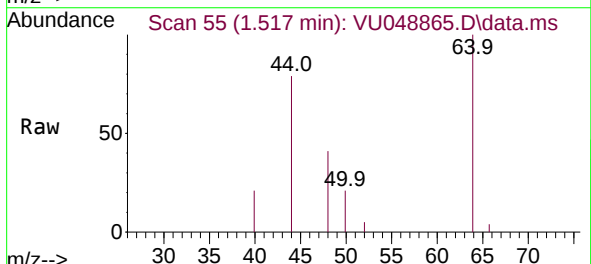
Instrument :
MSVOA_U
ClientSampleId :
20220422-SPLP-AMENDED-COMPOSITE-B

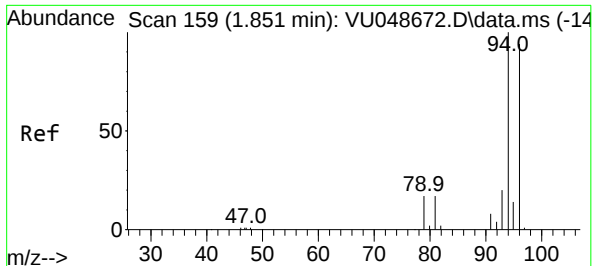
Tgt Ion:168 Resp: 276060
Ion Ratio Lower Upper
168 100
99 62.6 49.3 73.9



#3
Chloromethane
Concen: 0.296 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.006 min
Lab File: VU048865.D
Acq: 03 Jun 2022 18:14

Tgt Ion: 50 Resp: 1204
Ion Ratio Lower Upper
50 100
52 21.5 25.7 38.5#

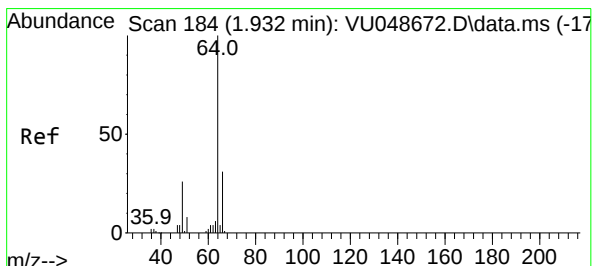
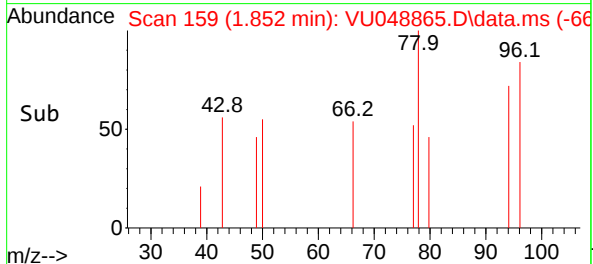
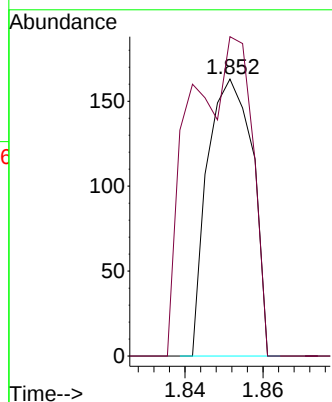
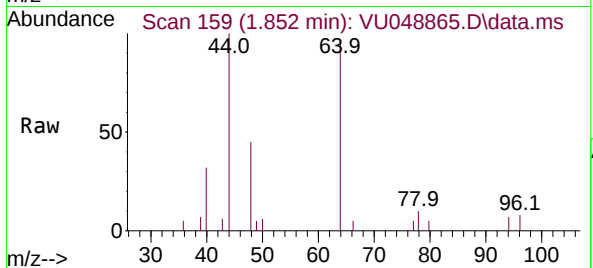




#5
Bromomethane
Concen: Below Cal
RT: 1.852 min Scan# 11
Delta R.T. 0.001 min
Lab File: VU048865.D
Acq: 03 Jun 2022 18:14

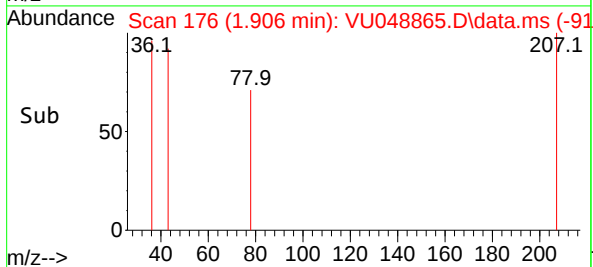
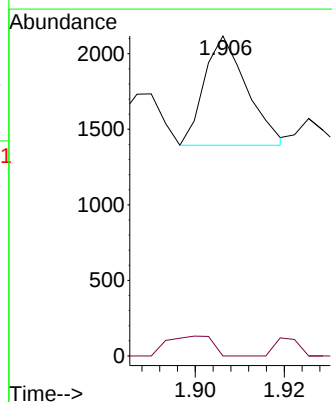
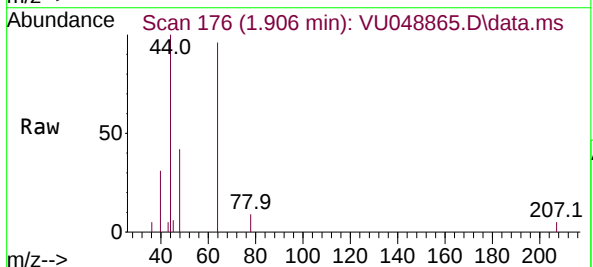
Instrument : MSVOA_U
ClientSampleId : 20220422-SPLP-AMENDED-COMPOSITE-B

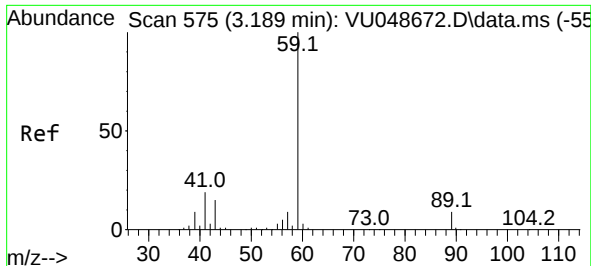
Tgt Ion: 94 Resp: 131
Ion Ratio Lower Upper
94 100
96 115.3 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.906 min Scan# 176
Delta R.T. -0.026 min
Lab File: VU048865.D
Acq: 03 Jun 2022 18:14

Tgt Ion: 64 Resp: 478
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#





#11

Tert butyl alcohol

Concen: 10.306 ug/l

RT: 3.179 min Scan# 51

Delta R.T. -0.009 min

Lab File: VU048865.D

Acq: 03 Jun 2022 18:14

Instrument :

MSVOA_U

ClientSampleId :

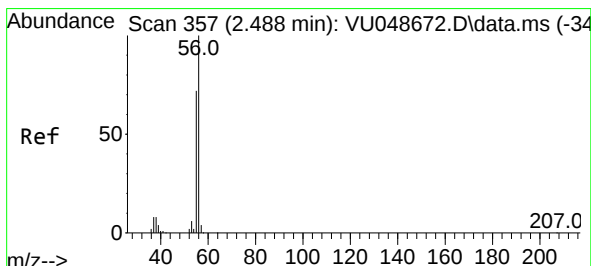
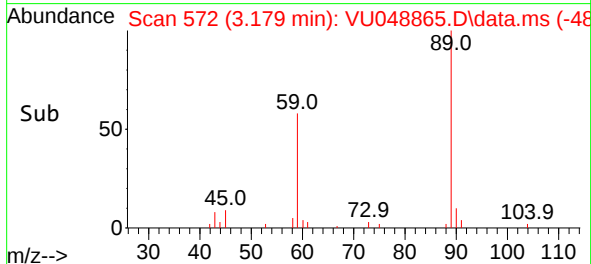
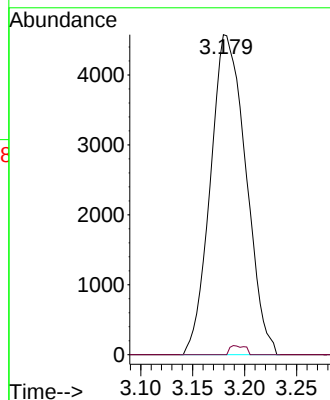
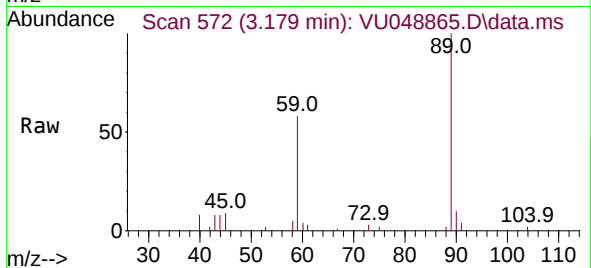
20220422-SPLP-AMENDED-COMPOSITE-B

Tgt Ion: 59 Resp: 10833

Ion Ratio Lower Upper

59 100

57 1.2 39.7 59.5#



#13

Acrolein

Concen: Below Cal

RT: 2.488 min Scan# 357

Delta R.T. 0.000 min

Lab File: VU048865.D

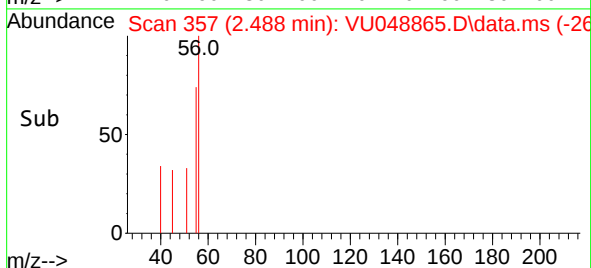
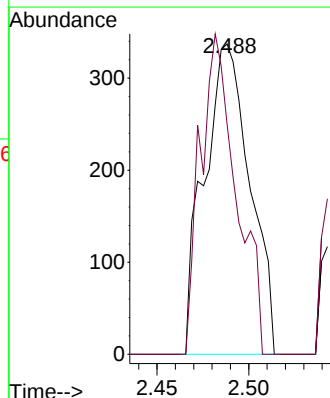
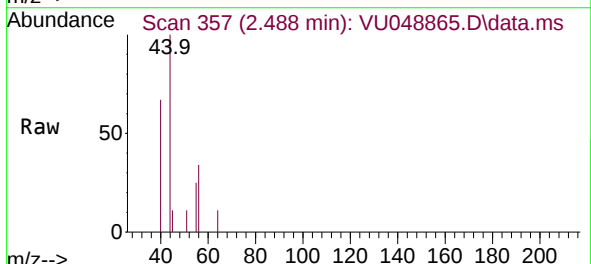
Acq: 03 Jun 2022 18:14

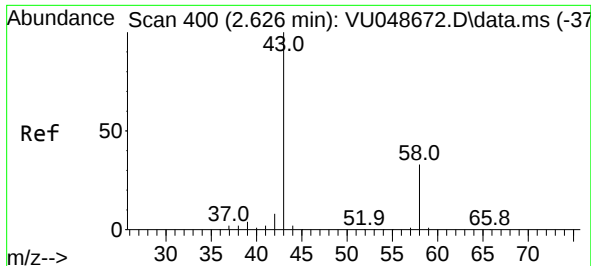
Tgt Ion: 56 Resp: 584

Ion Ratio Lower Upper

56 100

55 81.3 57.7 86.5





#16

Acetone

Concen: 33.644 ug/l

RT: 2.623 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU048865.D

Acq: 03 Jun 2022 18:14

Instrument :

MSVOA_U

ClientSampleId :

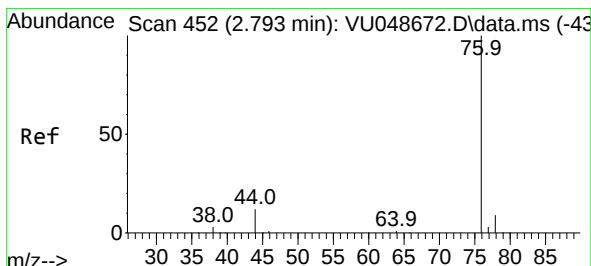
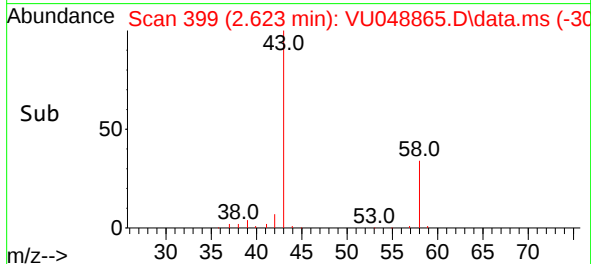
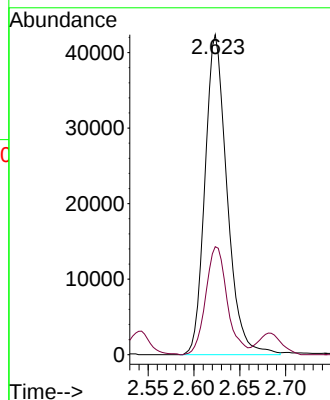
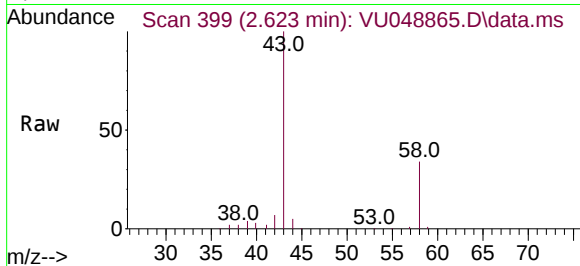
20220422-SPLP-AMENDED-COMPOSITE-B

Tgt Ion: 43 Resp: 71085

Ion Ratio Lower Upper

43 100

58 33.8 26.3 39.5



#17

Carbon Disulfide

Concen: 0.588 ug/l

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU048865.D

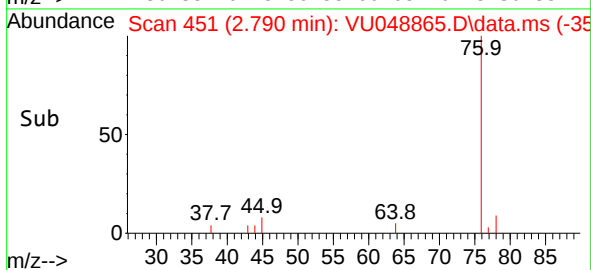
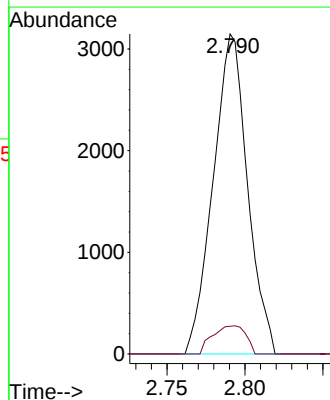
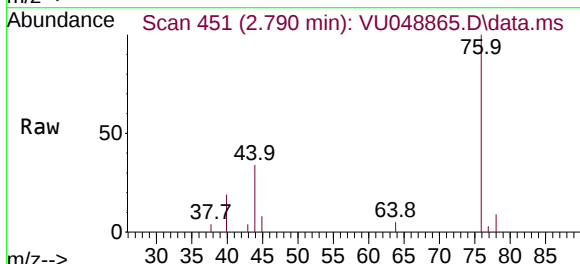
Acq: 03 Jun 2022 18:14

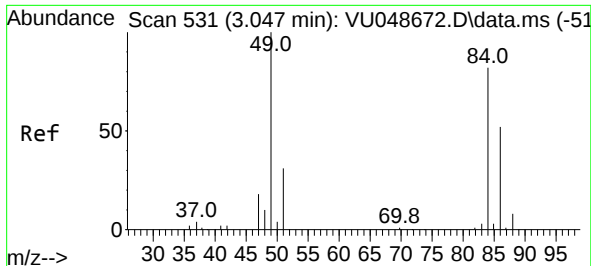
Tgt Ion: 76 Resp: 4819

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9

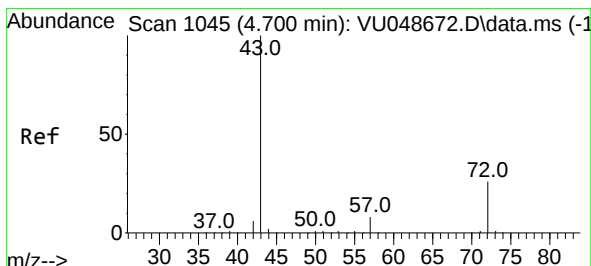
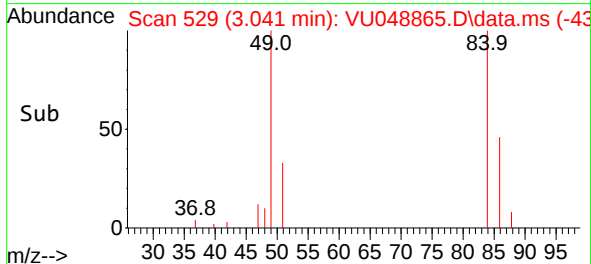
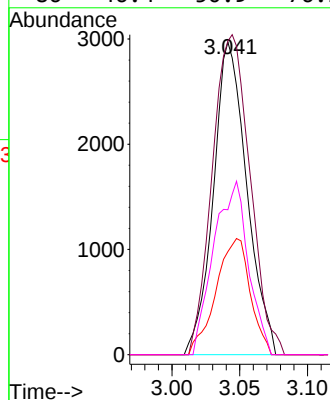
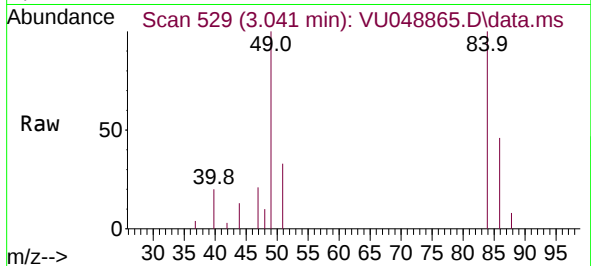




#20
Methylene Chloride
Concen: 1.419 ug/l
RT: 3.041 min Scan# 51
Delta R.T. -0.006 min
Lab File: VU048865.D
Acq: 03 Jun 2022 18:14

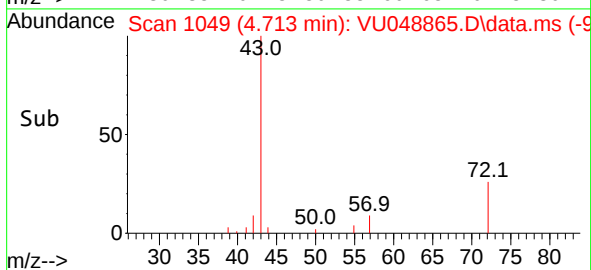
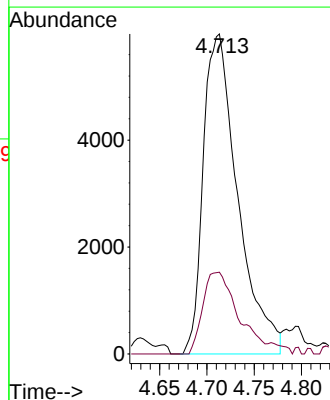
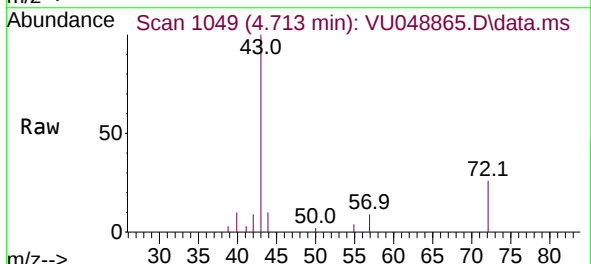
Instrument :
MSVOA_U
ClientSampleId :
20220422-SPLP-AMENDED-COMPOSITE-B

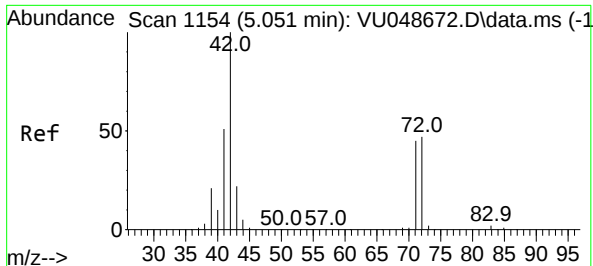
Tgt Ion: 84	Resp: 5098
Ion Ratio	Lower Upper
84 100	
49 100.4	97.0 145.4
51 33.0	29.8 44.8
86 46.4	50.9 76.3



#25
2-Butanone
Concen: 4.999 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. 0.013 min
Lab File: VU048865.D
Acq: 03 Jun 2022 18:14

Tgt Ion: 43	Resp: 15173
Ion Ratio	Lower Upper
43 100	
72 25.6	21.1 31.7





#29

Tetrahydrofuran

Concen: 0.746 ug/l

RT: 5.057 min Scan# 1154

Delta R.T. 0.007 min

Lab File: VU048865.D

Acq: 03 Jun 2022 18:14

Instrument :

MSVOA_U

ClientSampleId :

20220422-SPLP-AMENDED-COMPOSITE-B

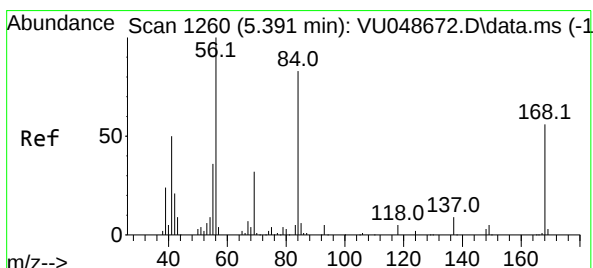
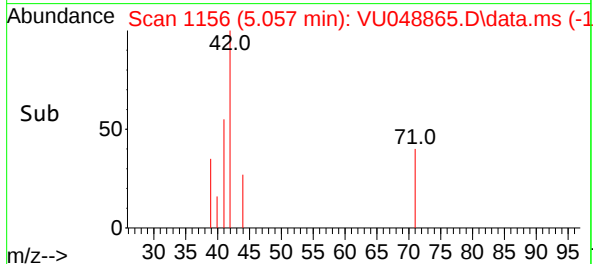
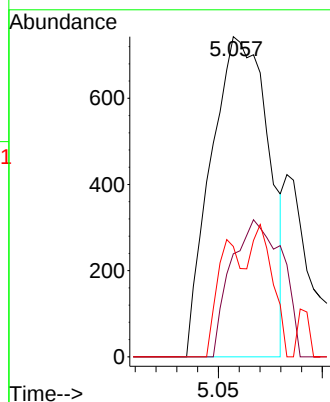
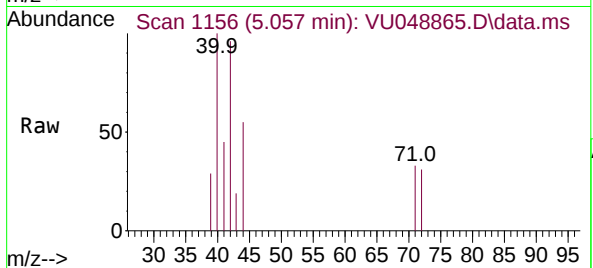
Tgt Ion: 42 Resp: 1427

Ion Ratio Lower Upper

42 100

72 0.0 37.6 56.4#

71 17.2 35.0 52.4#



#31

Cyclohexane

Concen: 1.191 ug/l

RT: 5.376 min Scan# 1255

Delta R.T. -0.016 min

Lab File: VU048865.D

Acq: 03 Jun 2022 18:14

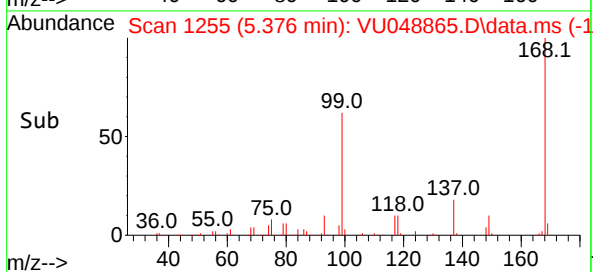
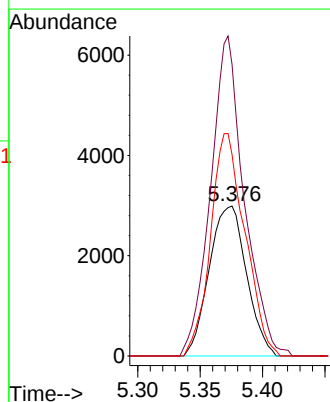
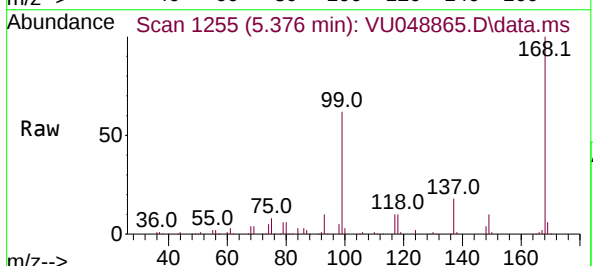
Tgt Ion: 56 Resp: 6222

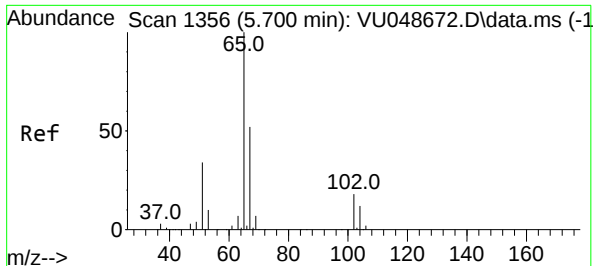
Ion Ratio Lower Upper

56 100

69 194.5 25.6 38.4#

84 134.4 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 50.486 ug/l

RT: 5.700 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048865.D

Acq: 03 Jun 2022 18:14

Instrument :

MSVOA_U

ClientSampleId :

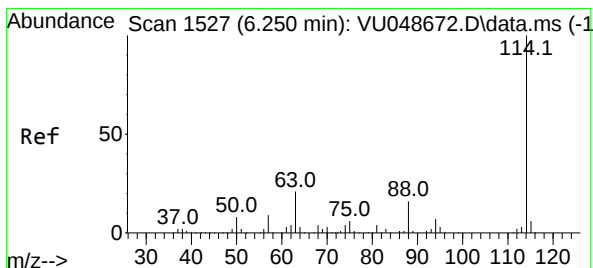
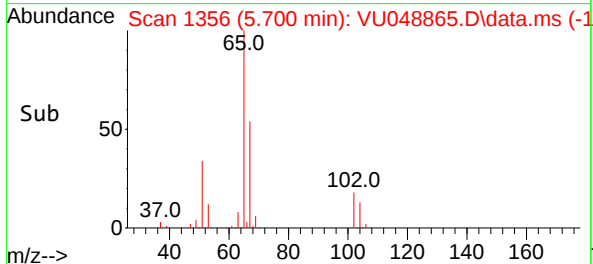
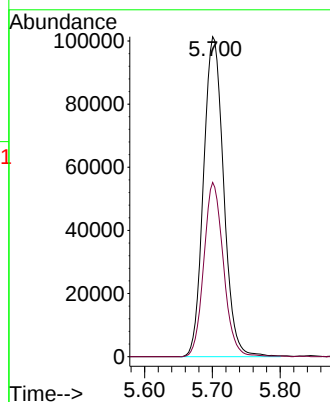
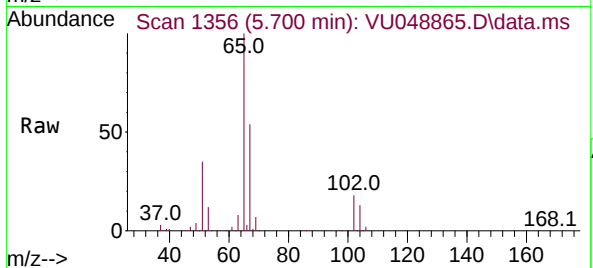
20220422-SPLP-AMENDED-COMPOSITE-B

Tgt Ion: 65 Resp: 209309

Ion Ratio Lower Upper

65 100

67 52.9 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: VU048865.D

Acq: 03 Jun 2022 18:14

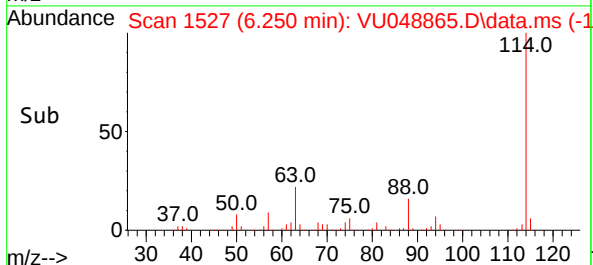
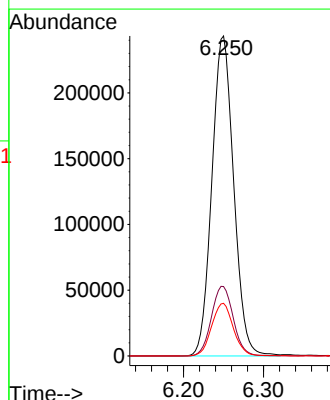
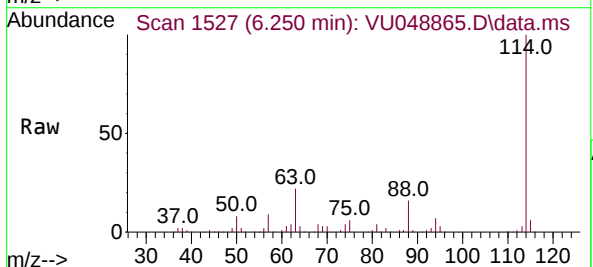
Tgt Ion: 114 Resp: 460148

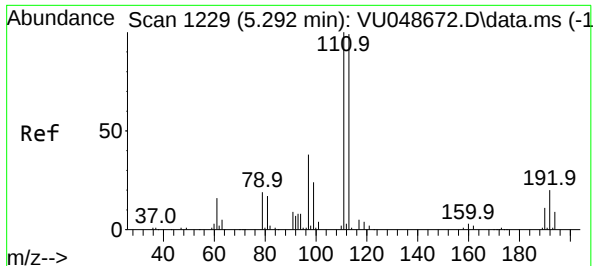
Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.6

88 16.5 0.0 32.2

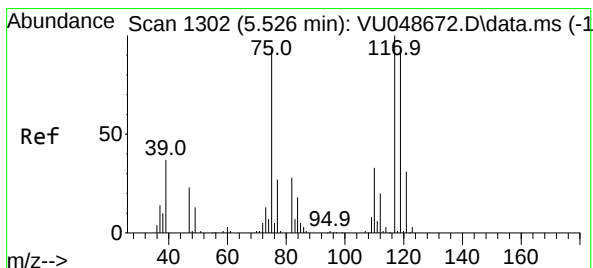
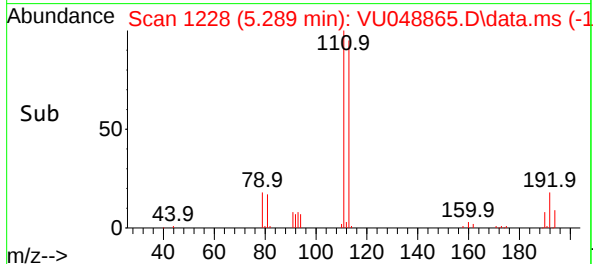
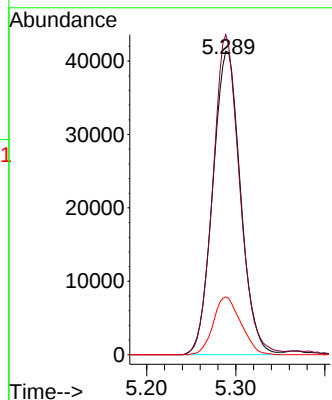
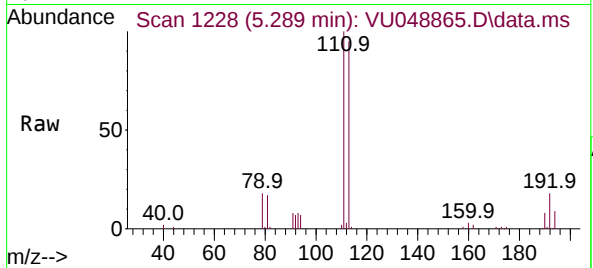




#35
Dibromofluoromethane
Concen: 27.215 ug/l
RT: 5.289 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048865.D
Acq: 03 Jun 2022 18:14

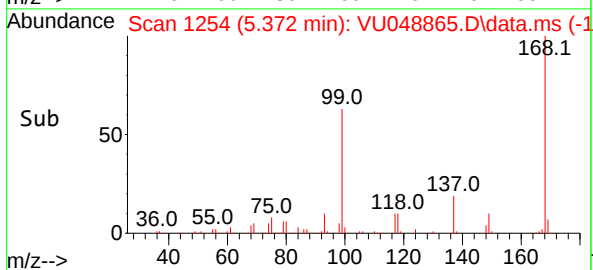
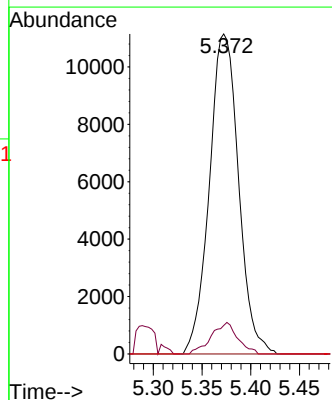
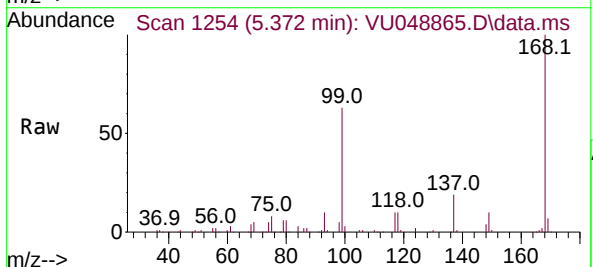
Instrument : MSVOA_U
ClientSampleId : 20220422-SPLP-AMENDED-COMPOSITE-B

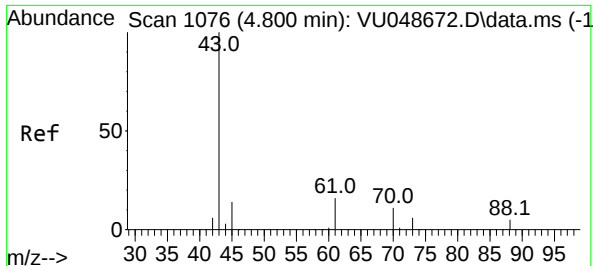
Tgt Ion:113 Resp: 89342
Ion Ratio Lower Upper
113 100
111 102.1 80.7 121.1
192 18.9 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.850 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU048865.D
Acq: 03 Jun 2022 18:14

Tgt Ion: 75 Resp: 23239
Ion Ratio Lower Upper
75 100
110 8.9 17.4 52.3#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 2.505 ug/l

RT: 4.713 min Scan# 1049

Delta R.T. -0.087 min

Lab File: VU048865.D

Acq: 03 Jun 2022 18:14

Instrument :

MSVOA_U

ClientSampleId :

20220422-SPLP-AMENDED-COMPOSITE-B

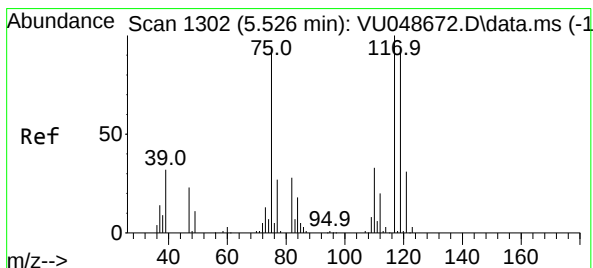
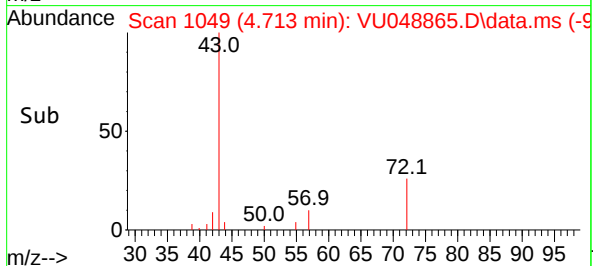
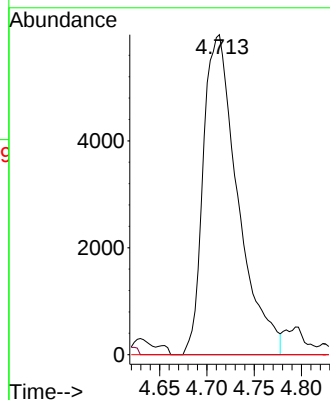
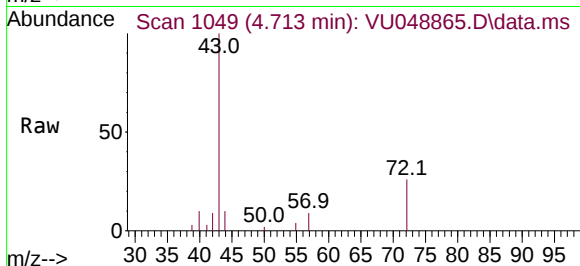
Tgt Ion: 43 Resp: 15173

Ion Ratio Lower Upper

43 100

61 0.0 11.7 17.5#

70 0.0 8.4 12.6#



#38

Carbon Tetrachloride

Concen: 5.268 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048865.D

Acq: 03 Jun 2022 18:14

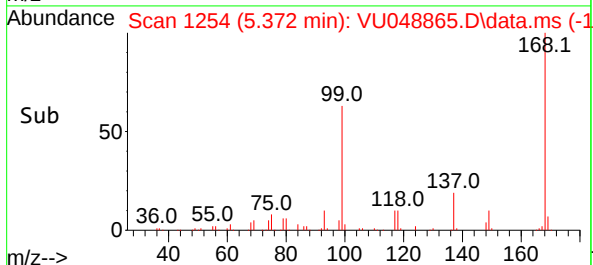
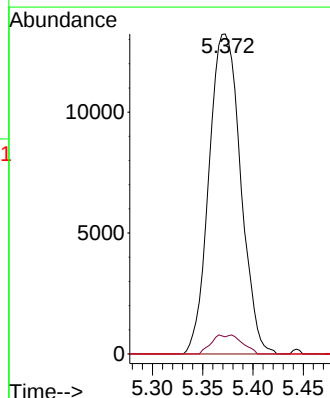
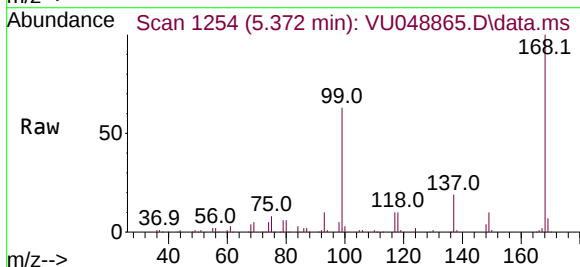
Tgt Ion: 117 Resp: 28955

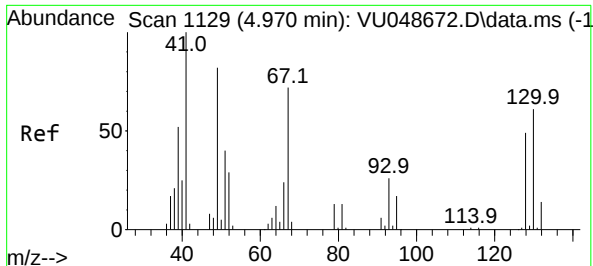
Ion Ratio Lower Upper

117 100

119 5.3 75.4 113.2#

121 0.0 24.6 36.8#

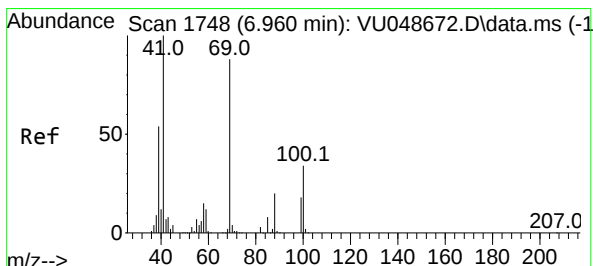
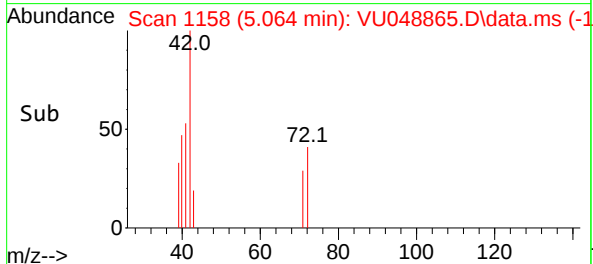
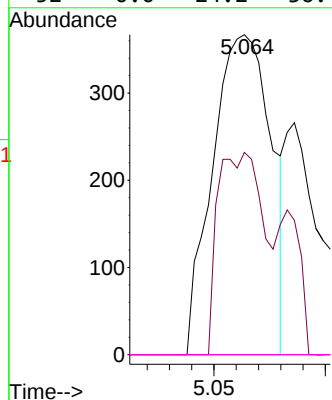
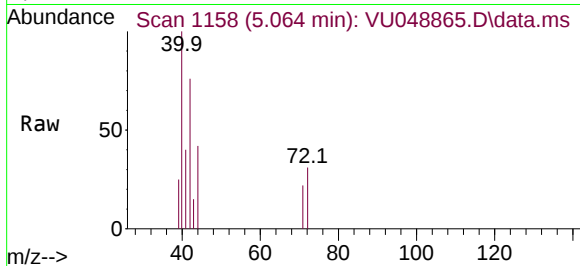




#41
Methacrylonitrile
Concen: 0.219 ug/l
RT: 5.064 min Scan# 1129
Delta R.T. 0.093 min
Lab File: VU048865.D
Acq: 03 Jun 2022 18:14

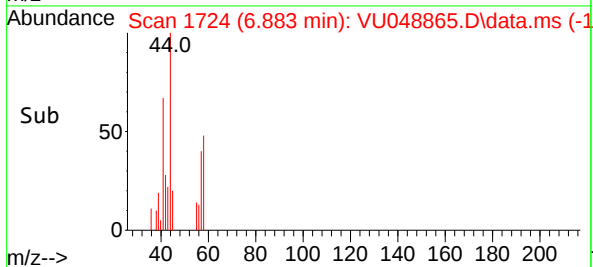
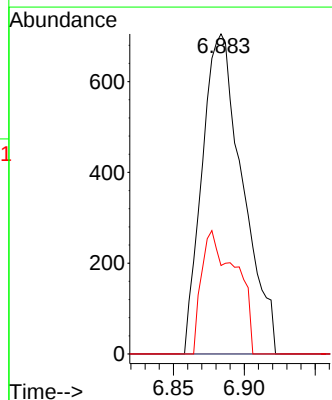
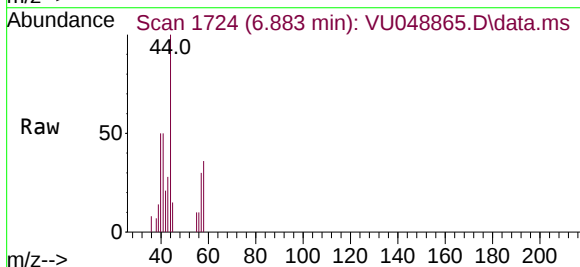
Instrument : MSVOA_U
ClientSampleId : 20220422-SPLP-AMENDED-COMPOSITE-B

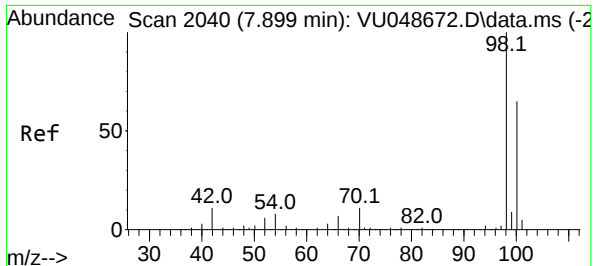
Tgt Ion:	41	Resp:	670
Ion	Ratio	Lower	Upper
41	100		
39	49.7	42.6	64.0
67	0.0	61.0	91.4#
52	0.0	24.2	36.4#



#48
Methyl methacrylate
Concen: 0.355 ug/l
RT: 6.883 min Scan# 1724
Delta R.T. -0.077 min
Lab File: VU048865.D
Acq: 03 Jun 2022 18:14

Tgt Ion:	41	Resp:	1400
Ion	Ratio	Lower	Upper
41	100		
69	0.0	70.7	106.1#
39	32.6	43.4	65.2#

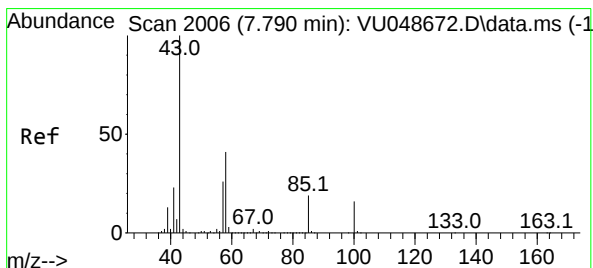
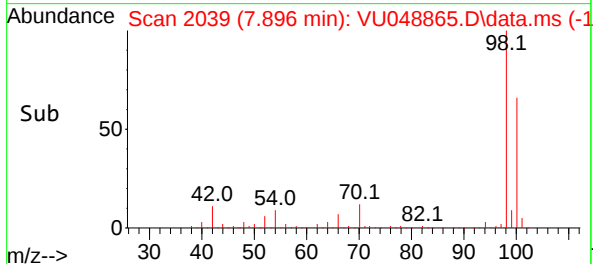
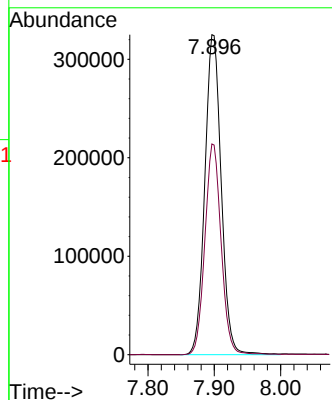
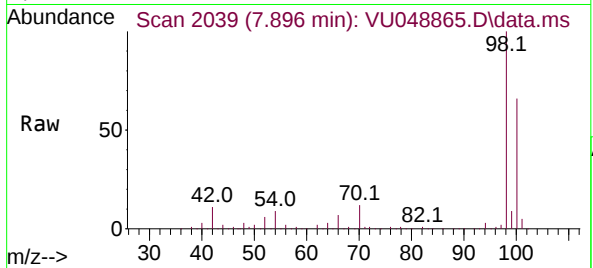




#50
Toluene-d8
Concen: 47.579 ug/l
RT: 7.896 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU048865.D
Acq: 03 Jun 2022 18:14

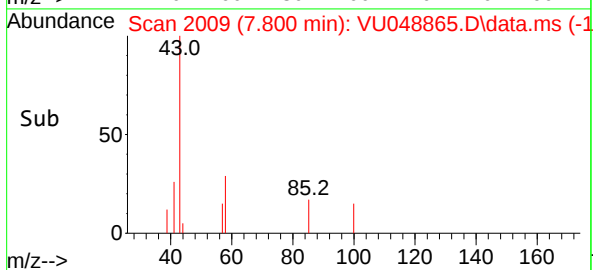
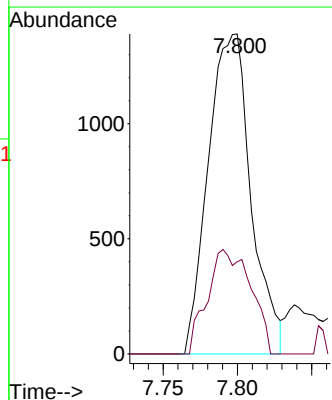
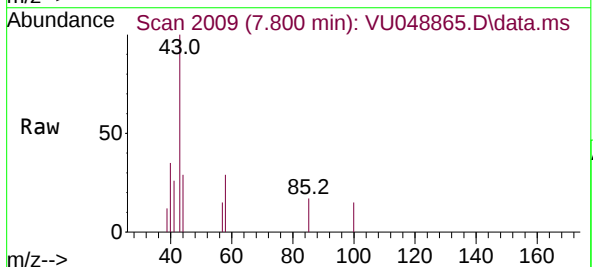
Instrument : MSVOA_U
ClientSampleId : 20220422-SPLP-AMENDED-COMPOSITE-B

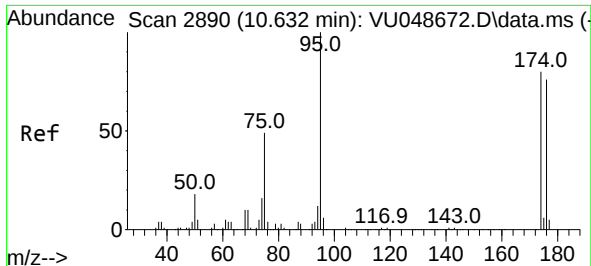
Tgt Ion: 98 Resp: 559889
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.488 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. 0.010 min
Lab File: VU048865.D
Acq: 03 Jun 2022 18:14

Tgt Ion: 43 Resp: 2787
Ion Ratio Lower Upper
43 100
58 33.1 32.7 49.1

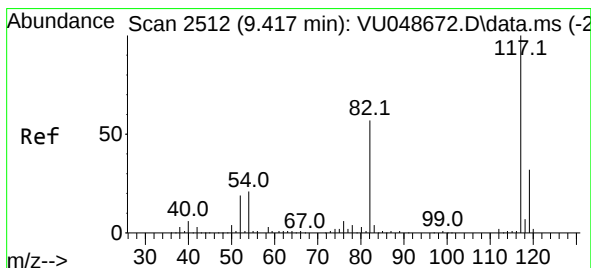
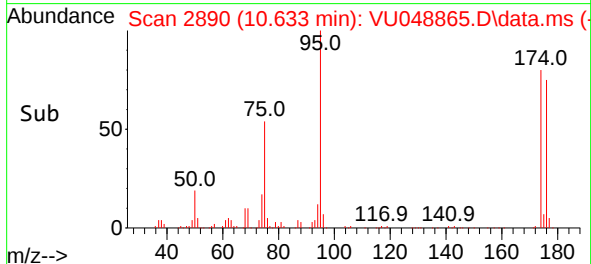
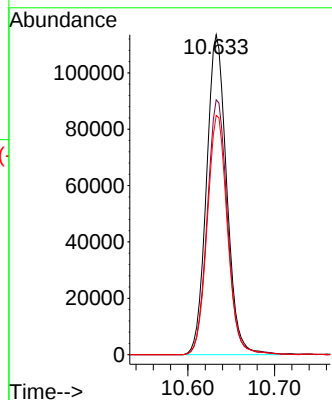
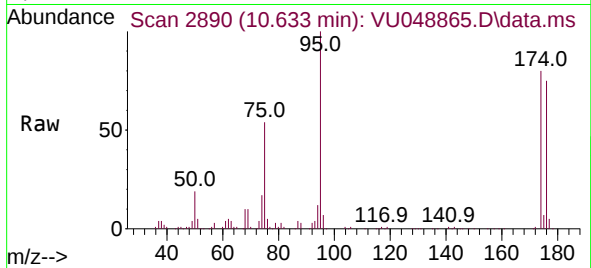




#62
4-Bromofluorobenzene
Concen: 41.281 ug/l
RT: 10.633 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048865.D
Acq: 03 Jun 2022 18:14

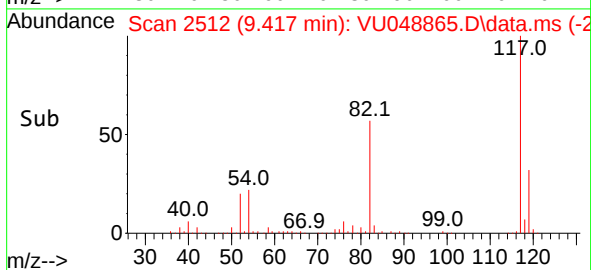
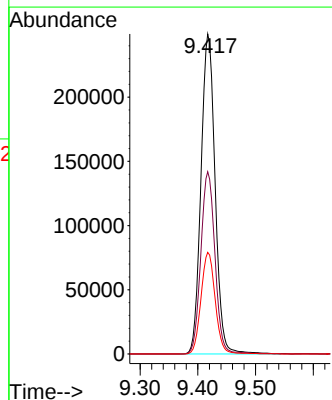
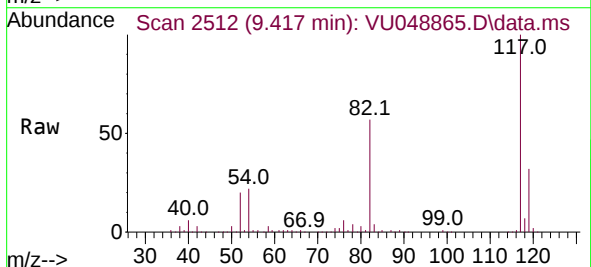
Instrument : MSVOA_U
ClientSampleId : 20220422-SPLP-AMENDED-COMPOSITE-B

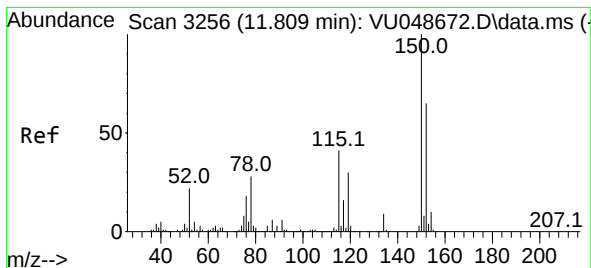
Tgt Ion: 95 Resp: 183719
Ion Ratio Lower Upper
95 100
174 79.6 0.0 159.4
176 75.3 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. 0.000 min
Lab File: VU048865.D
Acq: 03 Jun 2022 18:14

Tgt Ion: 117 Resp: 423115
Ion Ratio Lower Upper
117 100
82 56.9 45.3 67.9
119 31.7 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.813 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU048865.D

Acq: 03 Jun 2022 18:14

Instrument :

MSVOA_U

ClientSampleId :

20220422-SPLP-AMENDED-COMPOSITE-B

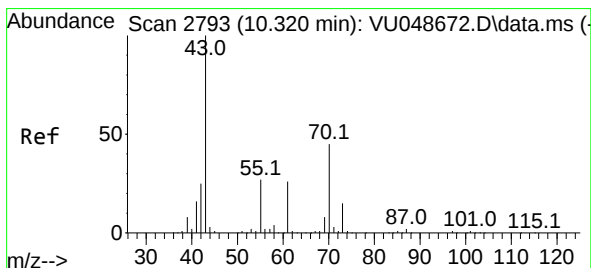
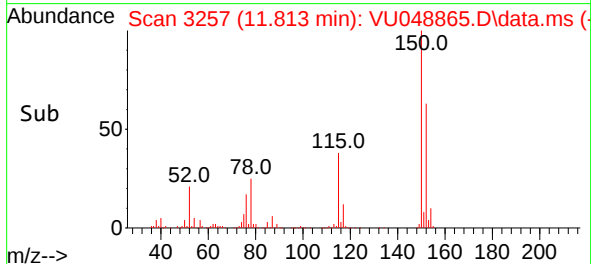
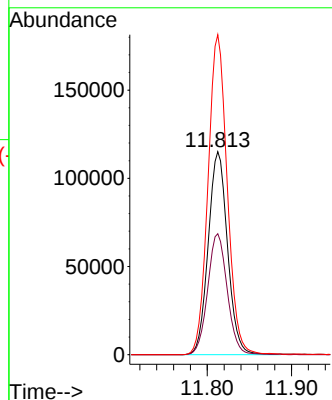
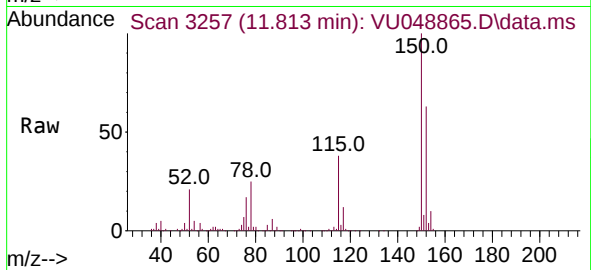
Tgt Ion:152 Resp: 183701

Ion Ratio Lower Upper

152 100

115 60.2 41.8 125.4

150 156.1 0.0 341.0



#74

N-ethyl acetate

Concen: 2.596 ug/l

RT: 10.343 min Scan# 2800

Delta R.T. 0.023 min

Lab File: VU048865.D

Acq: 03 Jun 2022 18:14

Tgt Ion: 43 Resp: 818

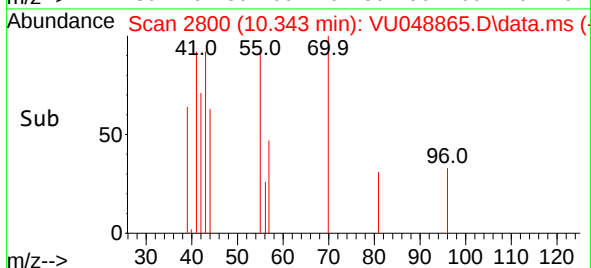
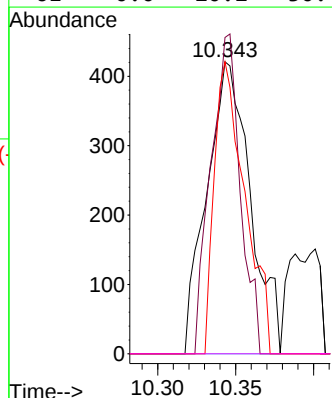
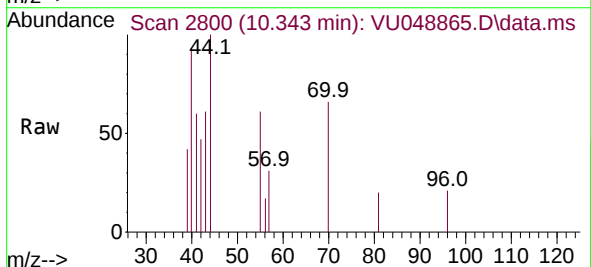
Ion Ratio Lower Upper

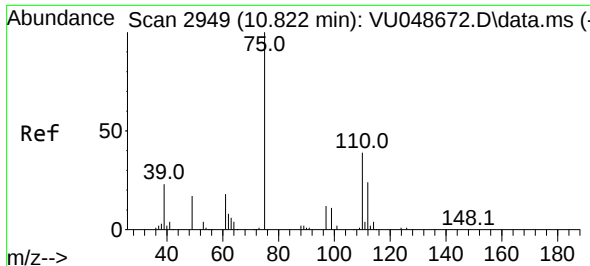
43 100

70 74.2 35.8 53.6#

55 70.0 21.1 31.7#

61 0.0 20.2 30.4#

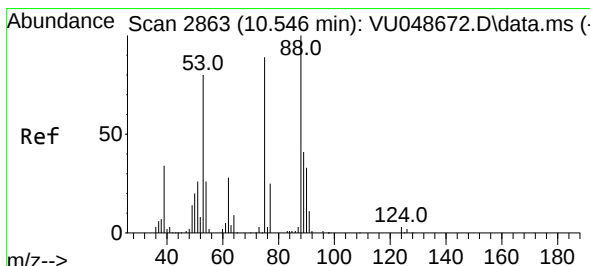
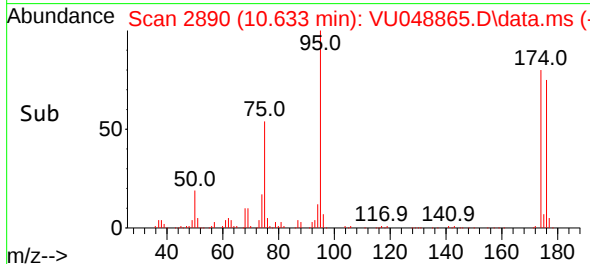
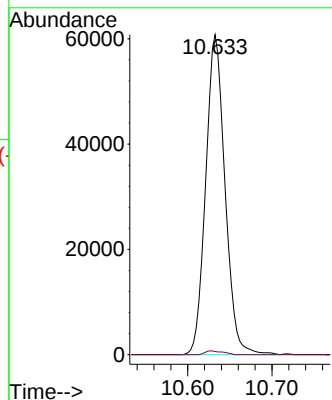
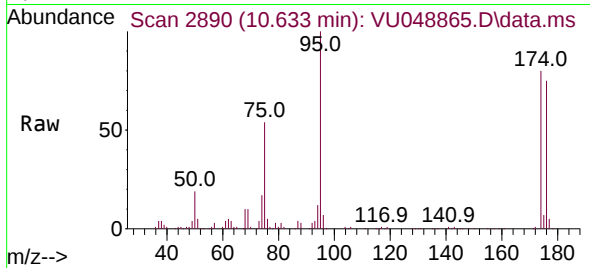




#76
1,2,3-Trichloropropane
Concen: 16.367 ug/l
RT: 10.633 min Scan# 2890
Delta R.T. -0.189 min
Lab File: VU048865.D
Acq: 03 Jun 2022 18:14

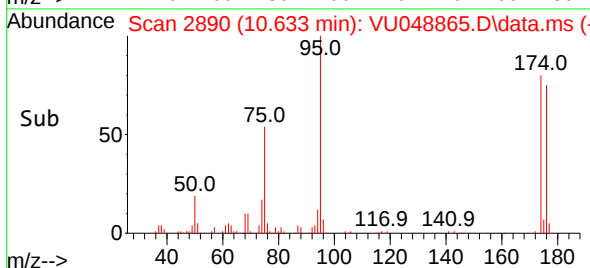
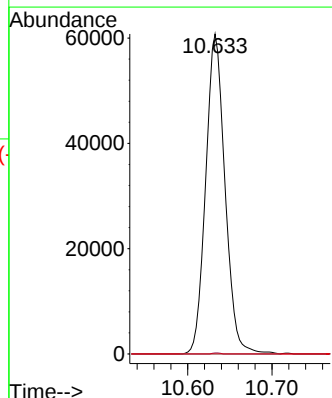
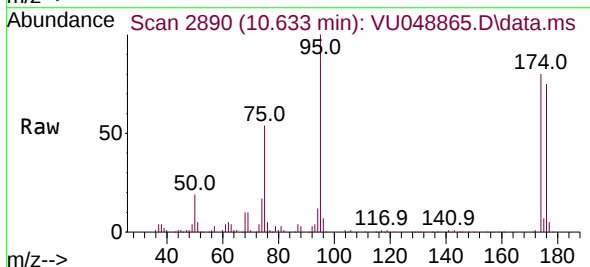
Instrument : MSVOA_U
ClientSampleId : 20220422-SPLP-AMENDED-COMPOSITE-B

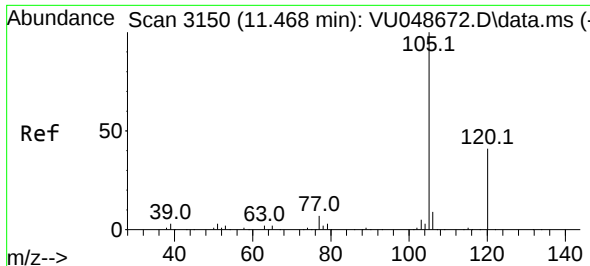
Tgt Ion: 75 Resp: 96941
Ion Ratio Lower Upper
75 100
77 1.1 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.426 ug/l
RT: 10.633 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048865.D
Acq: 03 Jun 2022 18:14

Tgt Ion: 75 Resp: 96941
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#

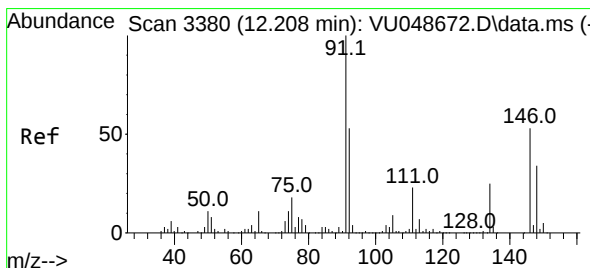
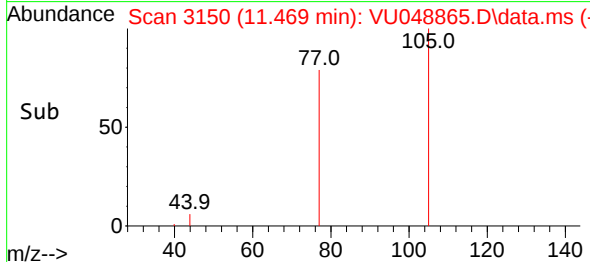
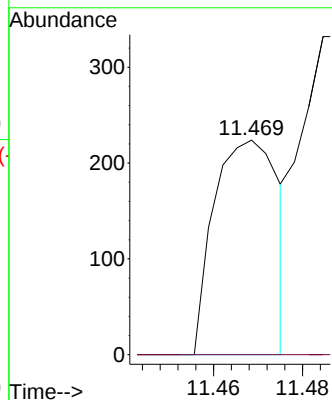
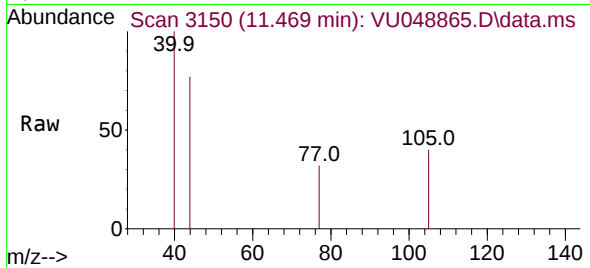




#84
1,2,4-Trimethylbenzene
Concen: 1.207 ug/l
RT: 11.469 min Scan# 3150
Delta R.T. 0.001 min
Lab File: VU048865.D
Acq: 03 Jun 2022 18:14

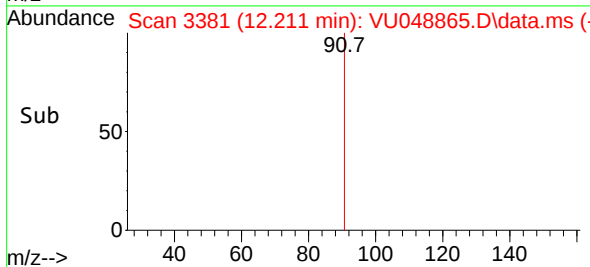
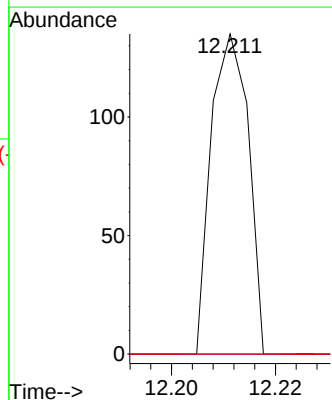
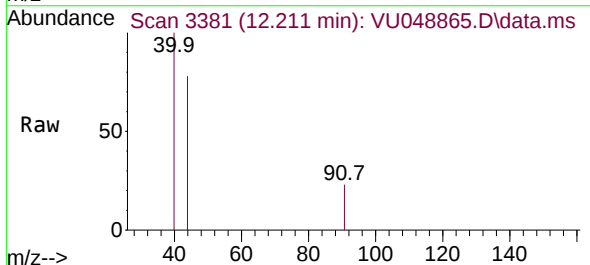
Instrument : MSVOA_U
ClientSampleId : 20220422-SPLP-AMENDED-COMPOSITE-B

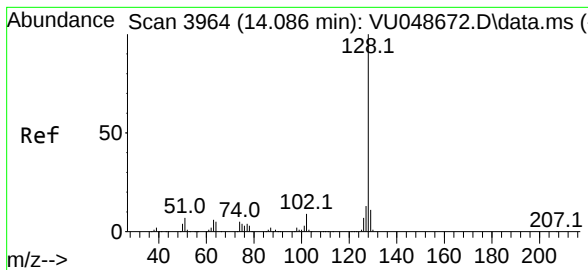
Tgt Ion:105 Resp: 224
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#



#89
n-Butylbenzene
Concen: 2.191 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.003 min
Lab File: VU048865.D
Acq: 03 Jun 2022 18:14

Tgt Ion: 91 Resp: 67
Ion Ratio Lower Upper
91 100
92 0.0 25.9 77.8#
134 0.0 12.5 37.5#





#95

Naphthalene

Concen: 2.657 ug/l

RT: 14.095 min Scan# 3967

Delta R.T. 0.009 min

Lab File: VU048865.D

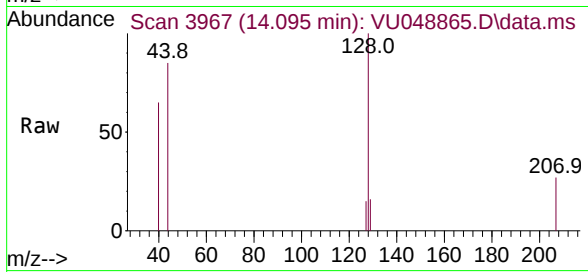
Acq: 03 Jun 2022 18:14

Instrument :

MSVOA_U

ClientSampleId :

20220422-SPLP-AMENDED-COMPOSITE-B



Tgt Ion:128 Resp: 1888

Ion Ratio Lower Upper

128 100

127 6.3 10.2 15.4#

129 8.2 8.7 13.1#

