

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060222\
 Data File : VU048801.D
 Acq On : 02 Jun 2022 14:14
 Operator : SY/MD
 Sample : N3099-06RE
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 20220429-SPLP-AMENDED-COMPOSITE-IRE

Quant Time: Jun 03 01:15:45 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

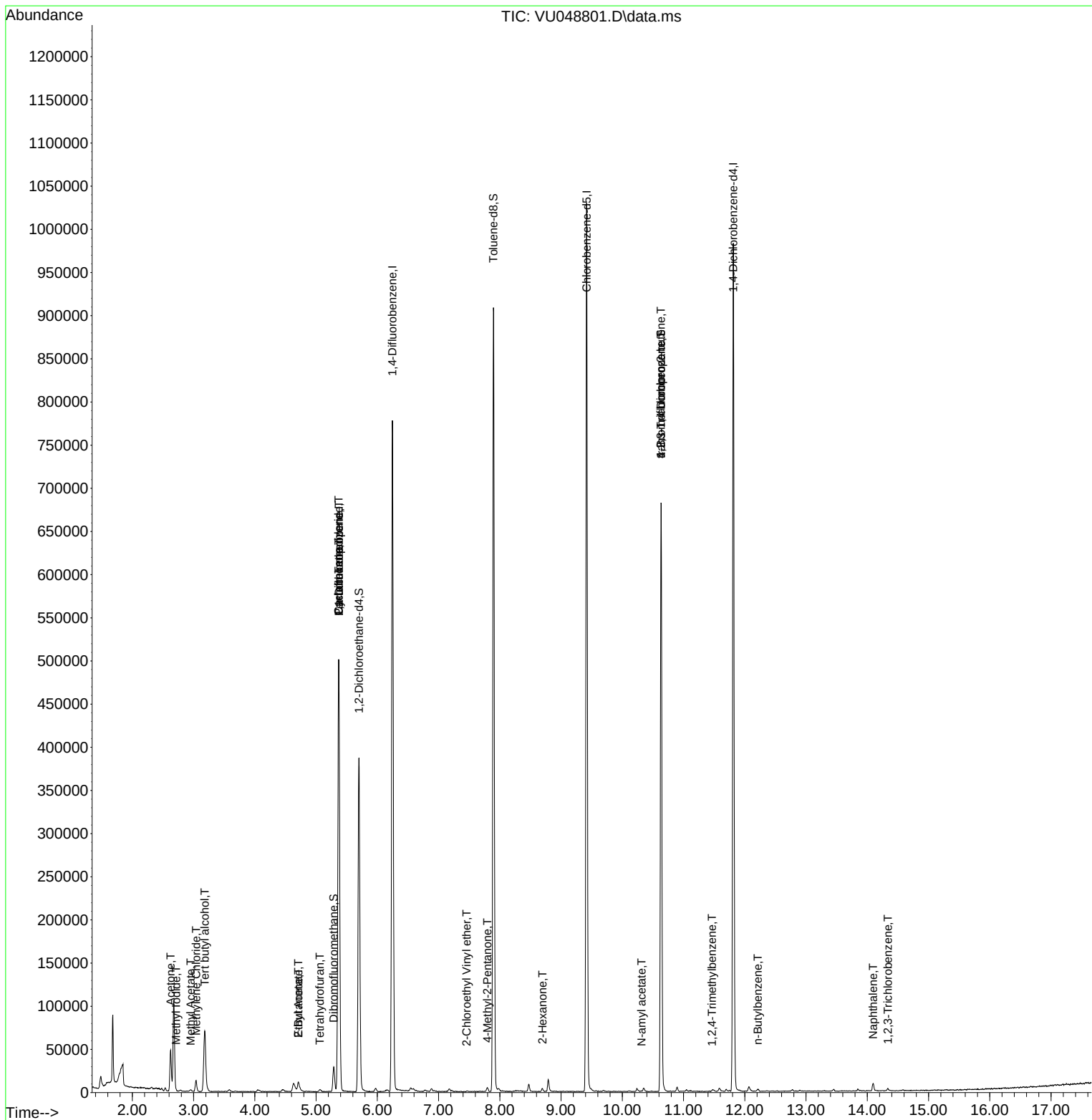
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

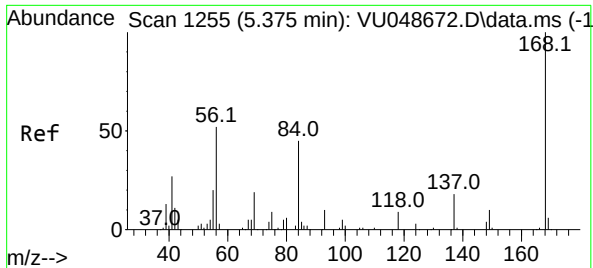
Internal Standards						
1) Pentafluorobenzene	5.372	168	347100	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	631905	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	564054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	259039	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	288627	55.369	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	110.740%
35) Dibromofluoromethane	5.288	113	19503	4.326	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	8.660%#
50) Toluene-d8	7.896	98	600915	37.185	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	74.380%#
62) 4-Bromofluorobenzene	10.632	95	239845	39.244	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	78.480%#
Target Compounds						
						Qvalue
5) Bromomethane	1.829	94	768	Below Cal		92
6) Chloroethane	1.922	64	525	Below Cal	#	43
10) Methyl Iodide	2.716	142	200	3.039	ug/l #	37
11) Tert butyl alcohol	3.182	59	45886	34.720	ug/l #	29
13) Acrolein	2.481	56	276	Below Cal	#	1
16) Acetone	2.626	43	52907	19.916	ug/l	97
18) Methyl Acetate	2.951	43	2723	0.408	ug/l #	89
20) Methylene Chloride	3.041	84	5887	1.303	ug/l #	95
25) 2-Butanone	4.710	43	17779	4.659	ug/l	93
29) Tetrahydrofuran	5.063	42	1670	0.695	ug/l #	76
31) Cyclohexane	5.369	56	7512	1.144	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	28578	4.343	ug/l #	46
37) Ethyl Acetate	4.710	43	17779	2.137	ug/l #	68
38) Carbon Tetrachloride	5.369	117	36921	4.891	ug/l #	18
51) 4-Methyl-2-Pentanone	7.796	43	3692	0.471	ug/l	87
58) 2-Chloroethyl Vinyl ether	7.459	63	412	29.956	ug/l #	47
59) 2-Hexanone	8.697	43	2767	0.430	ug/l	88
74) N-amyl acetate	10.314	43	313	2.502	ug/l #	52
76) 1,2,3-Trichloropropane	10.632	75	118513	14.190	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	118513	51.521	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.465	105	660	1.228	ug/l #	52
89) n-Butylbenzene	12.211	91	1099	2.255	ug/l	86
95) Naphthalene	14.095	128	9029	2.953	ug/l	99
96) 1,2,3-Trichlorobenzene	14.336	180	1199	0.207	ug/l	87

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

Instrument :
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20220429-SPLP-AMENDED-COMPOSITE-IRE

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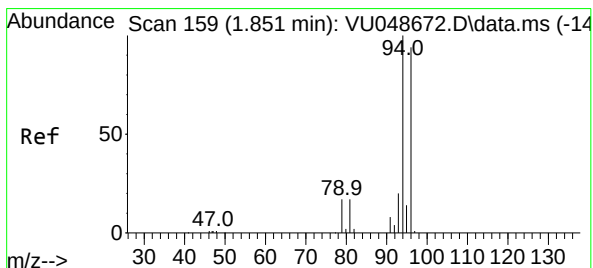
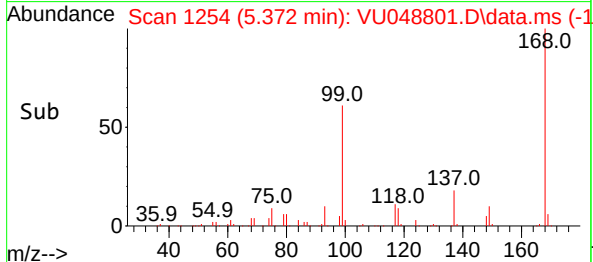
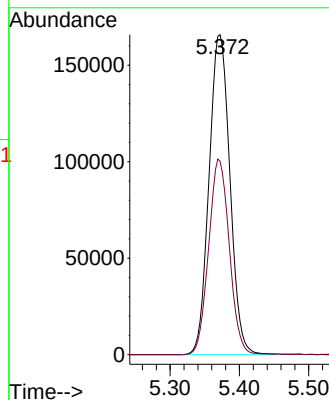
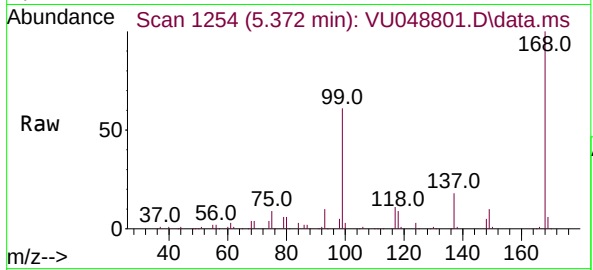




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048801.D
Acq: 02 Jun 2022 14:14

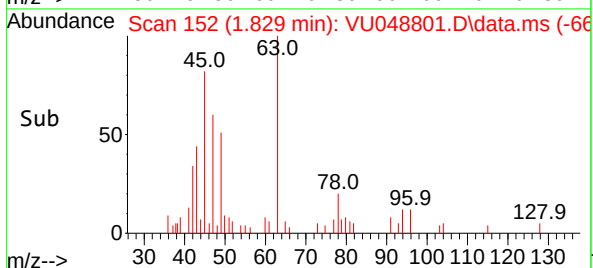
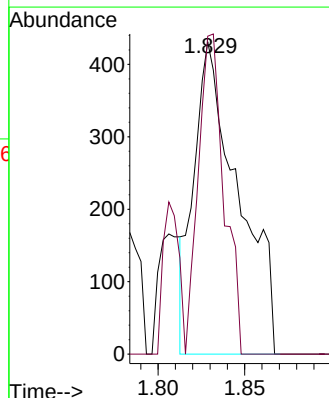
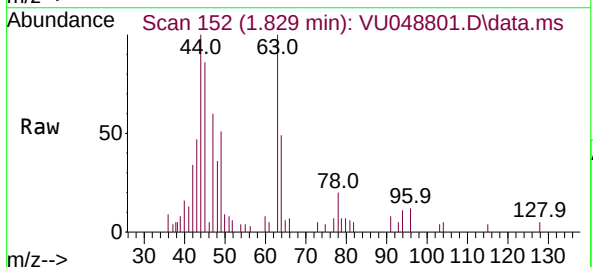
Instrument :
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20220429-SPLP-AMENDED-COMPOSITE-IRE

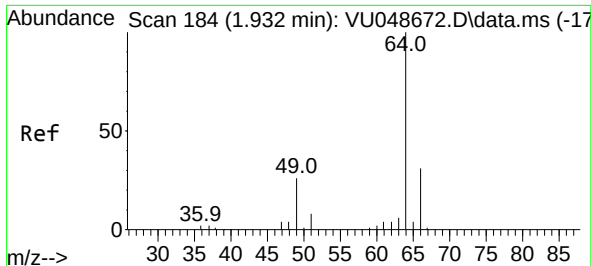
Tgt Ion:168 Resp: 347100
Ion Ratio Lower Upper
168 100
99 60.5 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 1.829 min Scan# 152
Delta R.T. -0.022 min
Lab File: VU048801.D
Acq: 02 Jun 2022 14:14

Tgt Ion: 94 Resp: 768
Ion Ratio Lower Upper
94 100
96 101.9 75.1 112.7

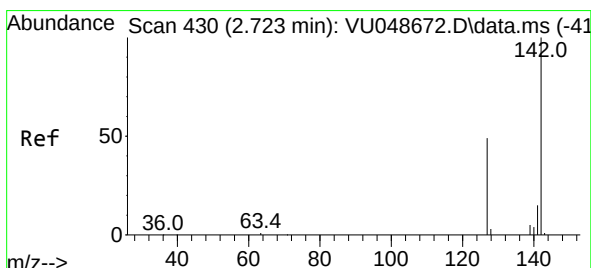
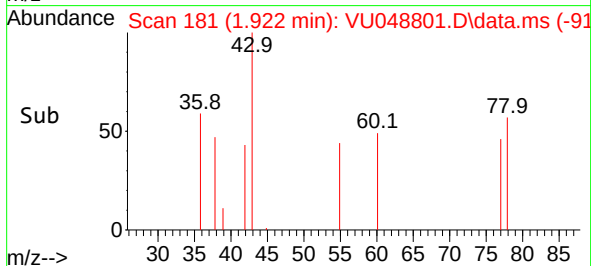
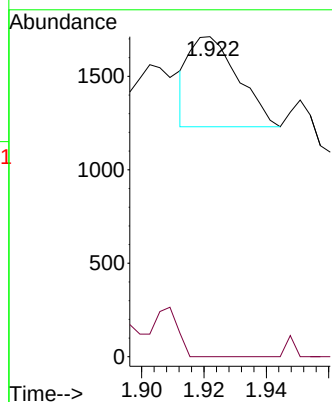
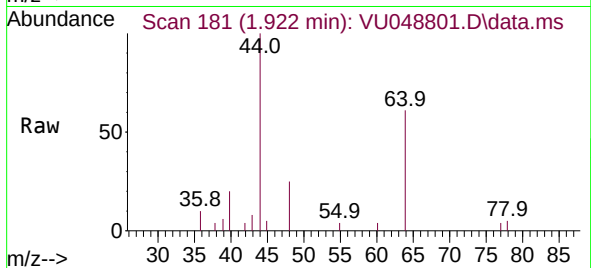




#6
Chloroethane
Concen: Below Cal
RT: 1.922 min Scan# 11
Delta R.T. -0.010 min
Lab File: VU048801.D
Acq: 02 Jun 2022 14:14

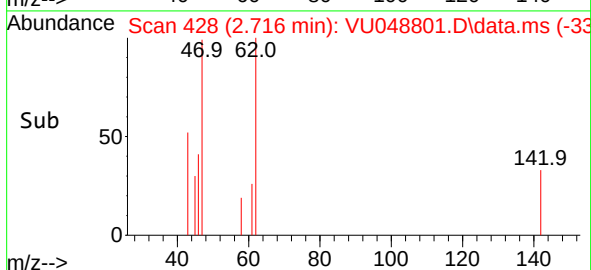
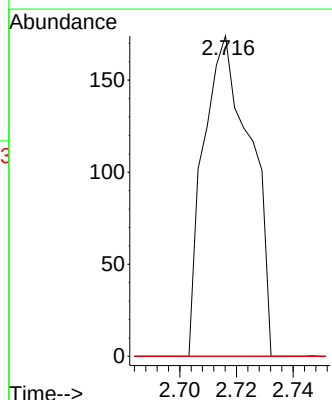
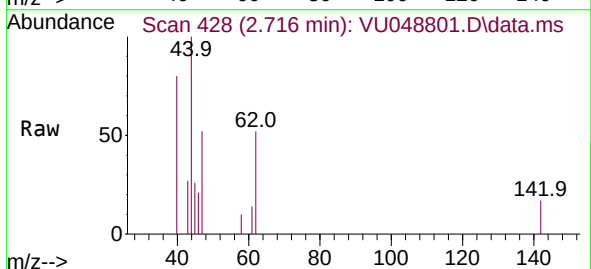
Instrument : MSVOA_U
ClientSampleId : 20220429-SPLP-AMENDED-COMPOSITE-IRE

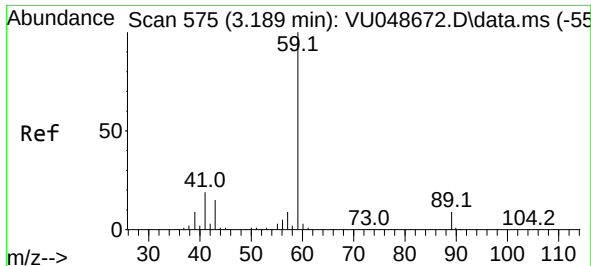
Tgt Ion: 64 Resp: 525
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



#10
Methyl Iodide
Concen: 3.039 ug/l
RT: 2.716 min Scan# 428
Delta R.T. -0.007 min
Lab File: VU048801.D
Acq: 02 Jun 2022 14:14

Tgt Ion:142 Resp: 200
Ion Ratio Lower Upper
142 100
127 0.0 38.4 57.6#
141 0.0 11.5 17.3#

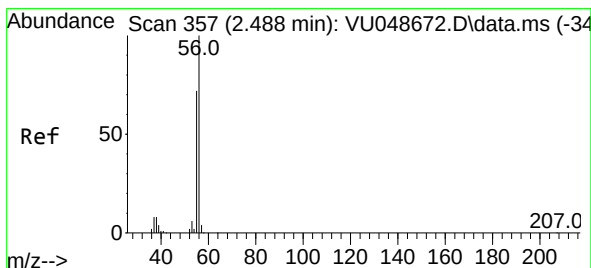
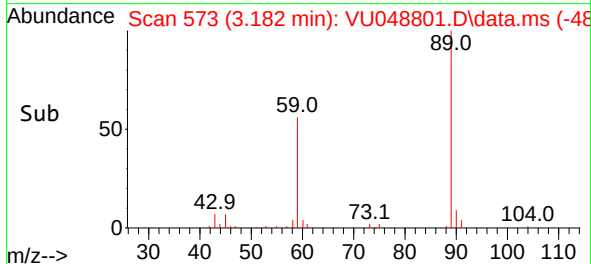
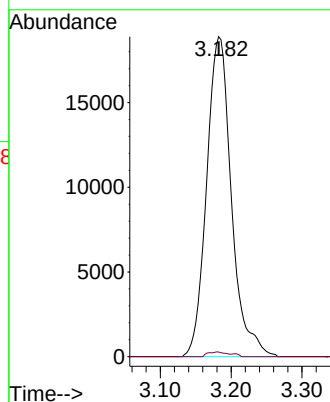
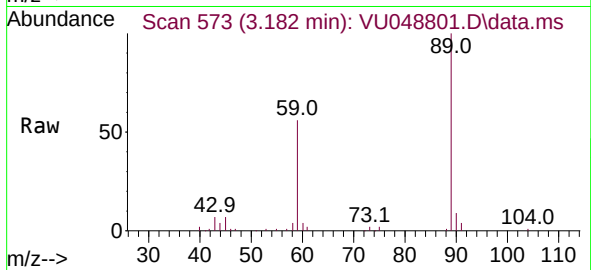




#11
Tert butyl alcohol
Concen: 34.720 ug/l
RT: 3.182 min Scan# 51
Delta R.T. -0.007 min
Lab File: VU048801.D
Acq: 02 Jun 2022 14:14

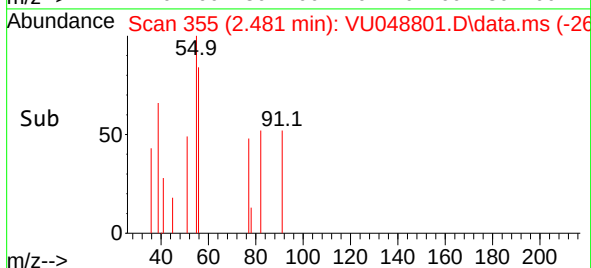
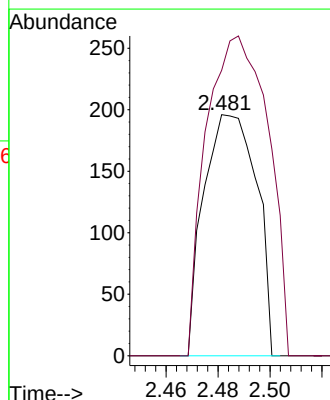
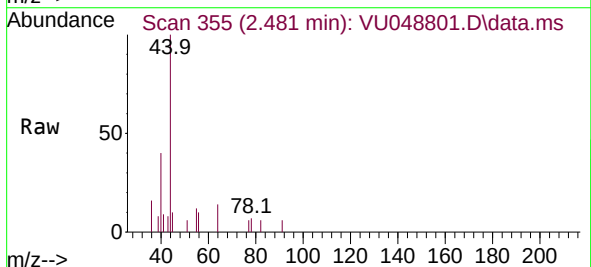
Instrument :
MSVOA_U
ClientSampleId :
20220429-SPLP-AMENDED-COMPOSITE-IRE

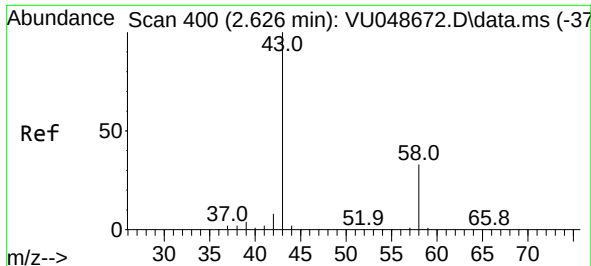
Tgt Ion: 59 Resp: 45886
Ion Ratio Lower Upper
59 100
57 1.1 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.481 min Scan# 355
Delta R.T. -0.007 min
Lab File: VU048801.D
Acq: 02 Jun 2022 14:14

Tgt Ion: 56 Resp: 276
Ion Ratio Lower Upper
56 100
55 155.8 57.7 86.5#





#16

Acetone

Concen: 19.916 ug/l

RT: 2.626 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU048801.D

Acq: 02 Jun 2022 14:14

Instrument :

MSVOA_U

ClientSampleId :

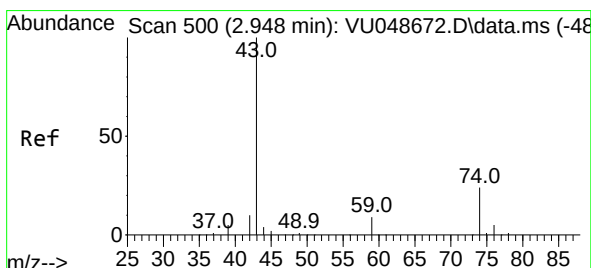
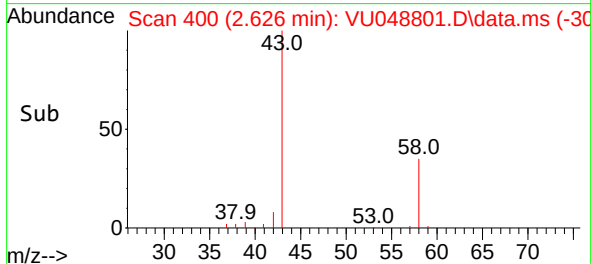
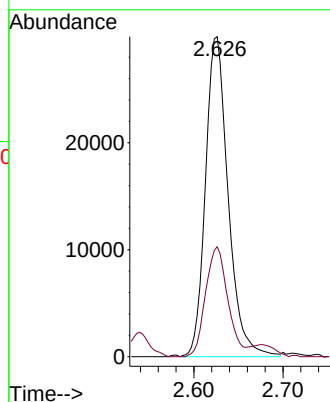
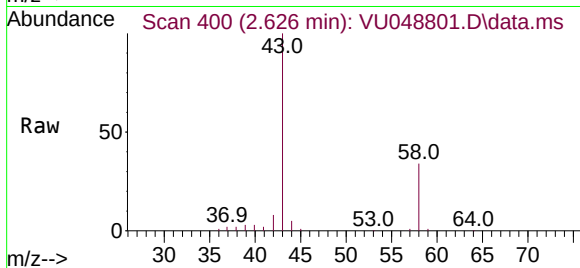
20220429-SPLP-AMENDED-COMPOSITE-IRE

Tgt Ion: 43 Resp: 52907

Ion Ratio Lower Upper

43 100

58 34.3 26.3 39.5



#18

Methyl Acetate

Concen: 0.408 ug/l

RT: 2.951 min Scan# 501

Delta R.T. 0.003 min

Lab File: VU048801.D

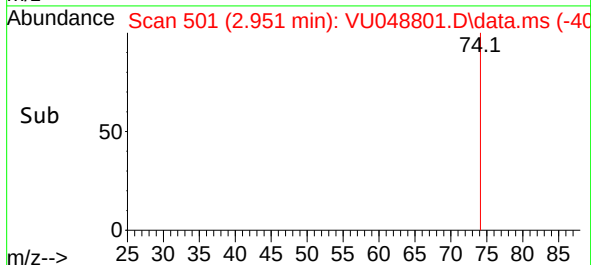
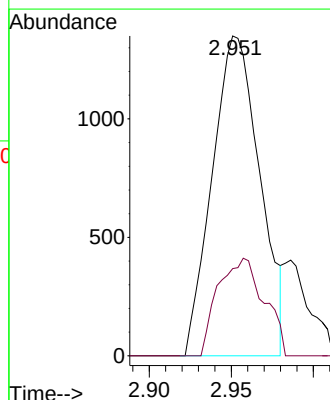
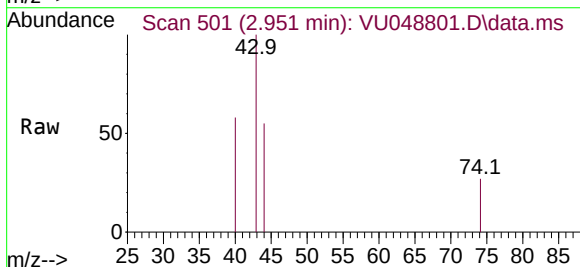
Acq: 02 Jun 2022 14:14

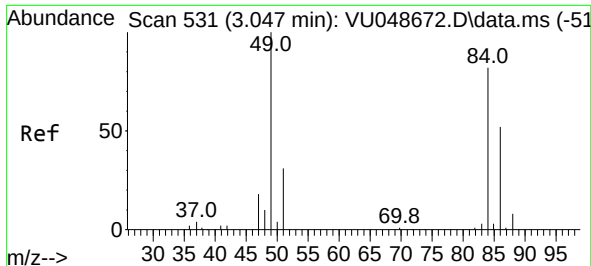
Tgt Ion: 43 Resp: 2723

Ion Ratio Lower Upper

43 100

74 29.5 19.2 28.8#

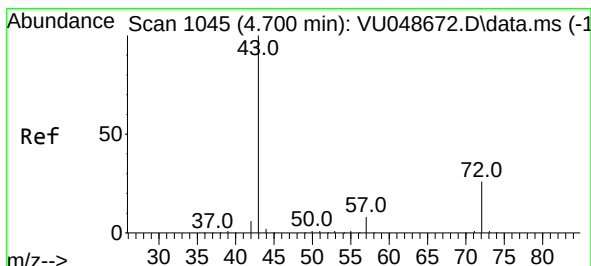
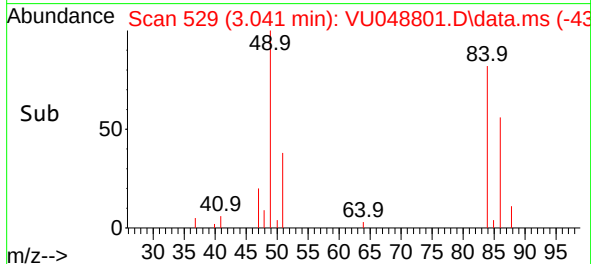
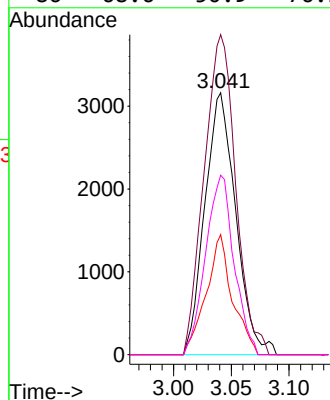
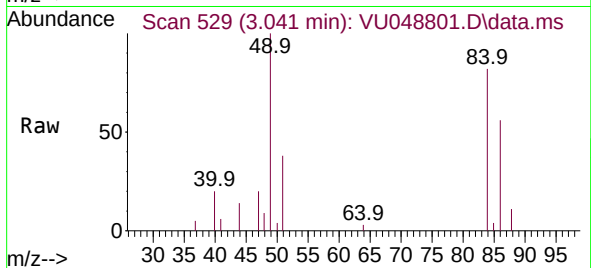




#20
Methylene Chloride
Concen: 1.303 ug/l
RT: 3.041 min Scan# 51
Delta R.T. -0.007 min
Lab File: VU048801.D
Acq: 02 Jun 2022 14:14

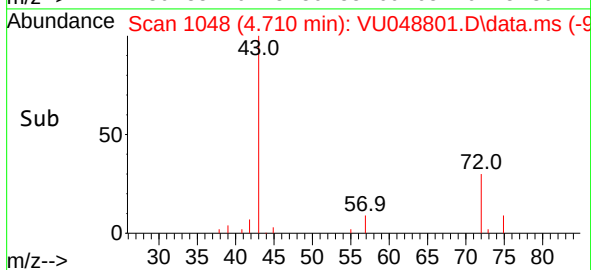
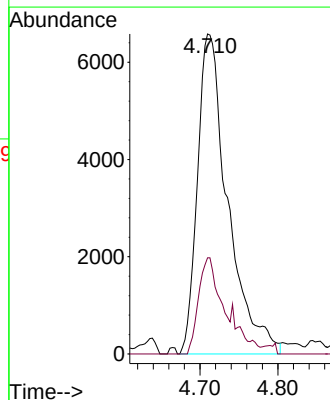
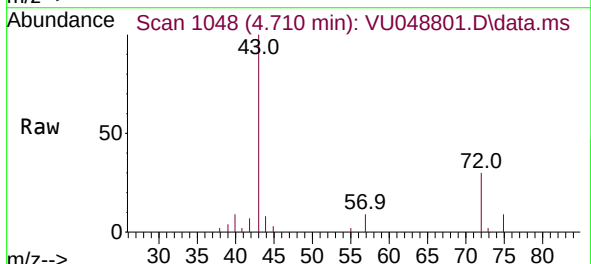
Instrument : MSVOA_U
ClientSampleId : 20220429-SPLP-AMENDED-COMPOSITE-IRE

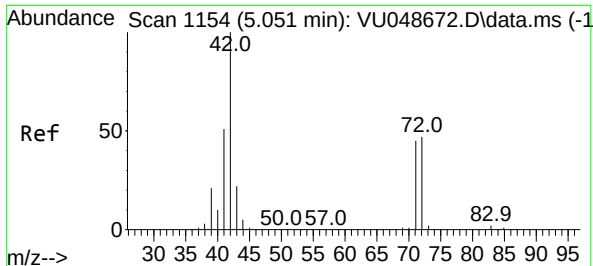
Tgt Ion:	84	Resp:	5887
Ion	Ratio	Lower	Upper
84	100		
49	122.2	97.0	145.4
51	45.8	29.8	44.8#
86	68.6	50.9	76.3



#25
2-Butanone
Concen: 4.659 ug/l
RT: 4.710 min Scan# 1048
Delta R.T. 0.010 min
Lab File: VU048801.D
Acq: 02 Jun 2022 14:14

Tgt Ion:	43	Resp:	17779
Ion	Ratio	Lower	Upper
43	100		
72	30.1	21.1	31.7





#29

Tetrahydrofuran

Concen: 0.695 ug/l

RT: 5.063 min Scan# 1154

Delta R.T. 0.013 min

Lab File: VU048801.D

Acq: 02 Jun 2022 14:14

Instrument :

MSVOA_U

ClientSampleId :

20220429-SPLP-AMENDED-COMPOSITE-IRE

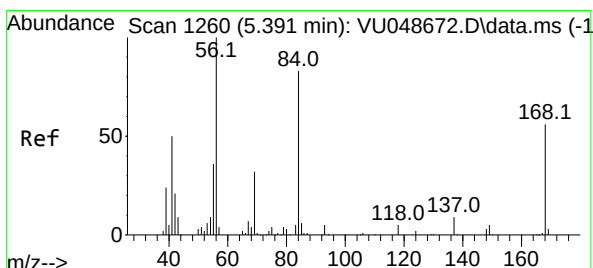
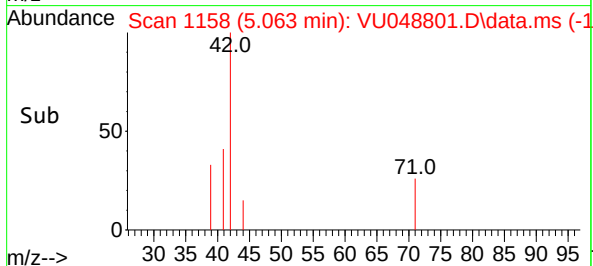
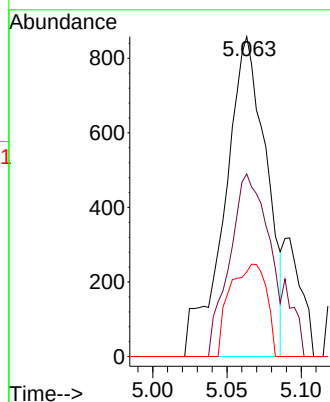
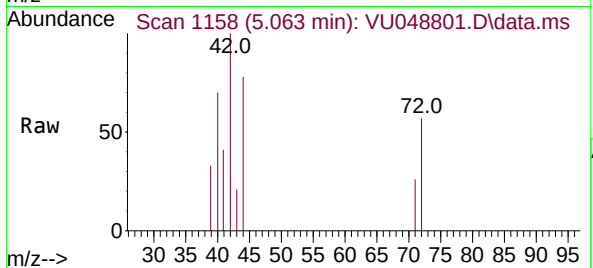
Tgt Ion: 42 Resp: 1670

Ion Ratio Lower Upper

42 100

72 60.2 37.6 56.4#

71 25.3 35.0 52.4#



#31

Cyclohexane

Concen: 1.144 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.023 min

Lab File: VU048801.D

Acq: 02 Jun 2022 14:14

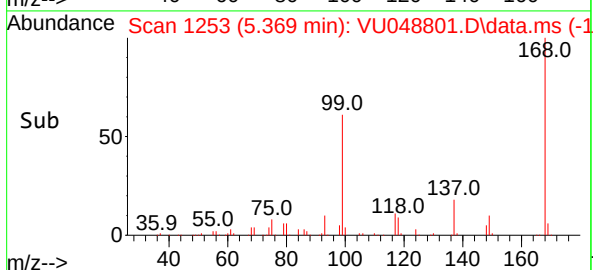
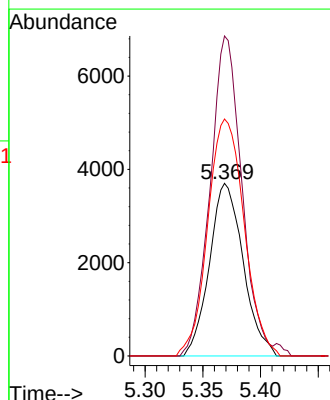
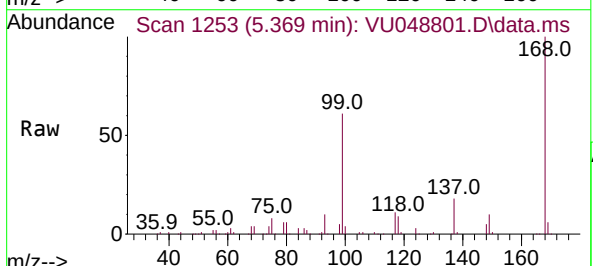
Tgt Ion: 56 Resp: 7512

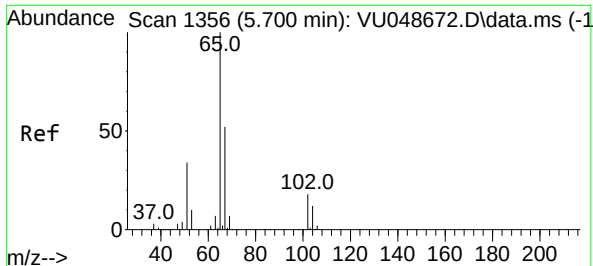
Ion Ratio Lower Upper

56 100

69 185.4 25.6 38.4#

84 137.3 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 55.369 ug/l

RT: 5.700 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048801.D

Acq: 02 Jun 2022 14:14

Instrument :

MSVOA_U

ClientSampleId :

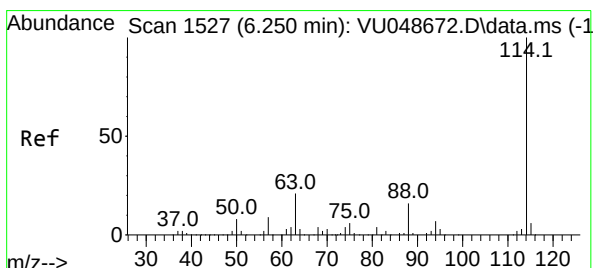
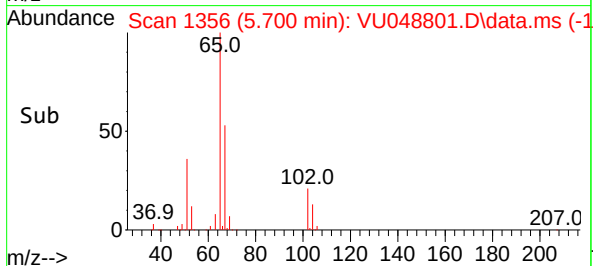
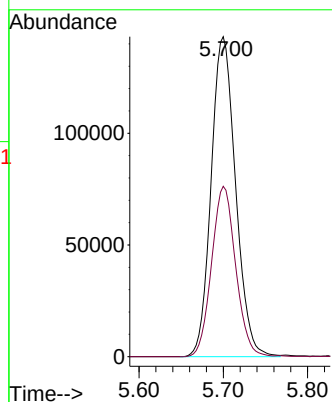
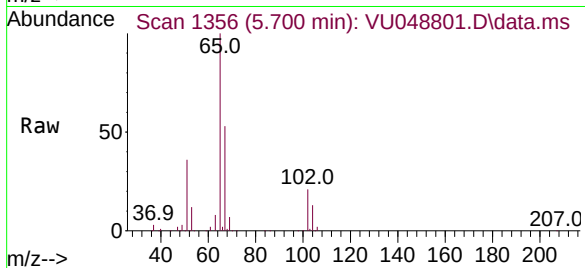
20220429-SPLP-AMENDED-COMPOSITE-IRE

Tgt Ion: 65 Resp: 288627

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 1526

Delta R.T. -0.003 min

Lab File: VU048801.D

Acq: 02 Jun 2022 14:14

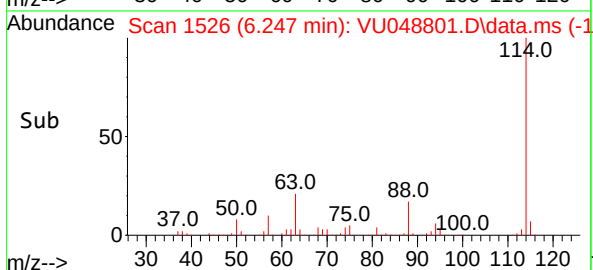
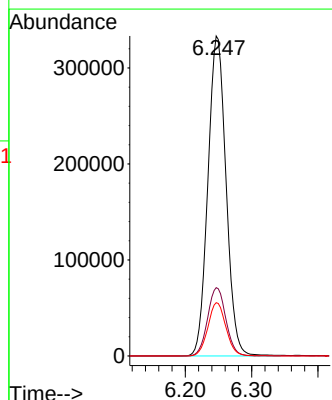
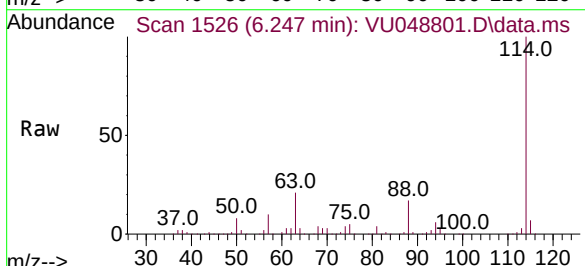
Tgt Ion: 114 Resp: 631905

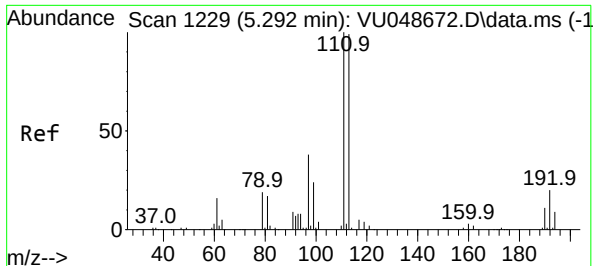
Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.6

88 16.6 0.0 32.2

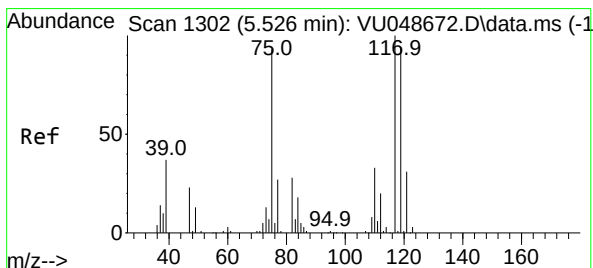
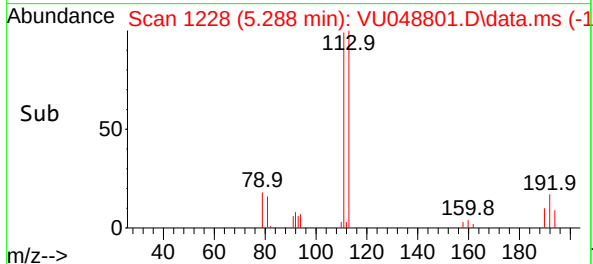
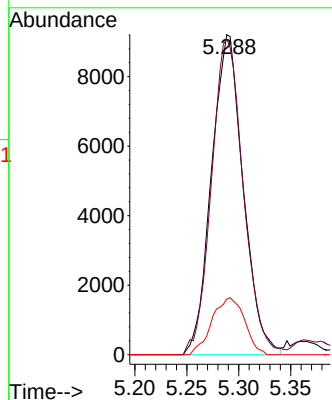
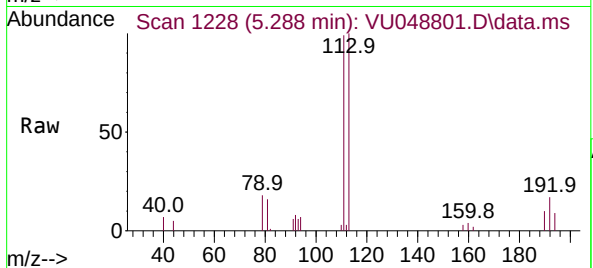




#35
Dibromofluoromethane
Concen: 4.326 ug/l
RT: 5.288 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048801.D
Acq: 02 Jun 2022 14:14

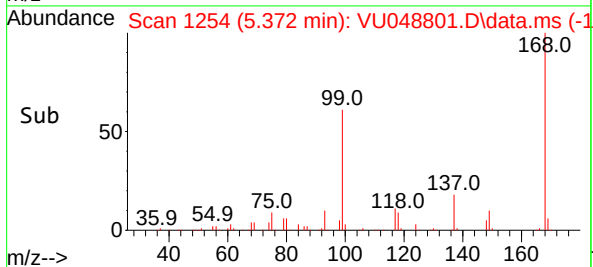
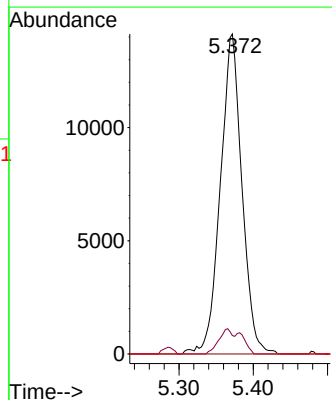
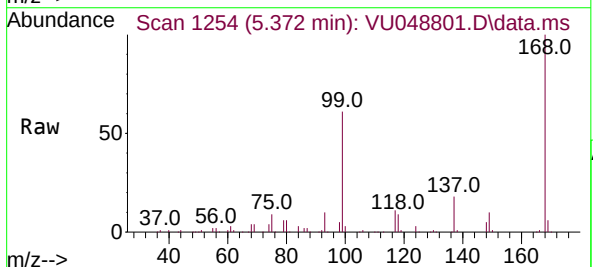
Instrument : MSVOA_U
ClientSampleId : 20220429-SPLP-AMENDED-COMPOSITE-IRE

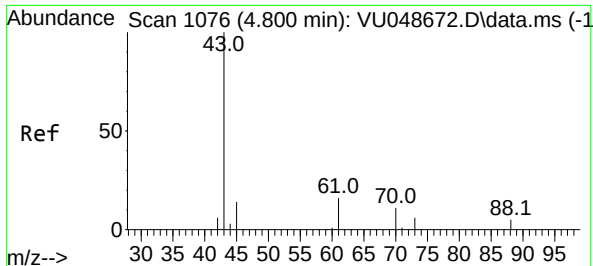
Tgt Ion:113 Resp: 19503
Ion Ratio Lower Upper
113 100
111 99.2 80.7 121.1
192 18.3 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.343 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU048801.D
Acq: 02 Jun 2022 14:14

Tgt Ion: 75 Resp: 28578
Ion Ratio Lower Upper
75 100
110 5.3 17.4 52.3#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 2.137 ug/l

RT: 4.710 min Scan# 1048

Delta R.T. -0.090 min

Lab File: VU048801.D

Acq: 02 Jun 2022 14:14

Instrument :

MSVOA_U

ClientSampleId :

20220429-SPLP-AMENDED-COMPOSITE-IRE

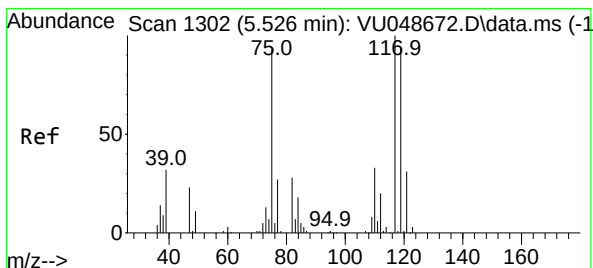
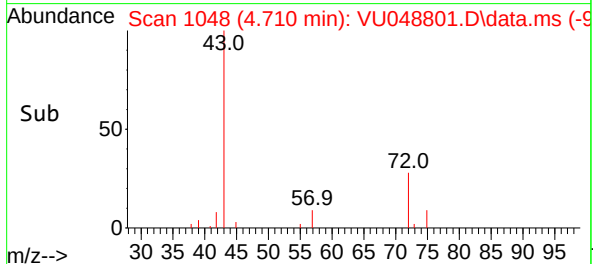
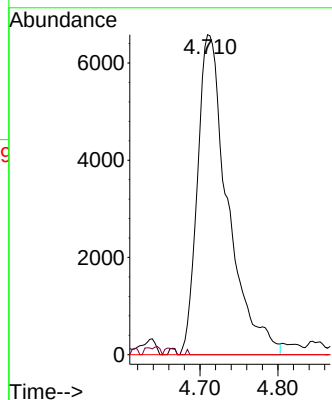
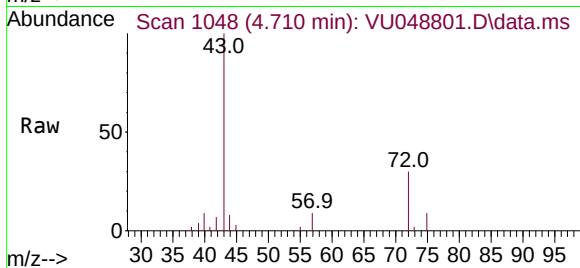
Tgt Ion: 43 Resp: 17779

Ion Ratio Lower Upper

43 100

61 0.0 11.7 17.5#

70 0.0 8.4 12.6#



#38

Carbon Tetrachloride

Concen: 4.891 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.158 min

Lab File: VU048801.D

Acq: 02 Jun 2022 14:14

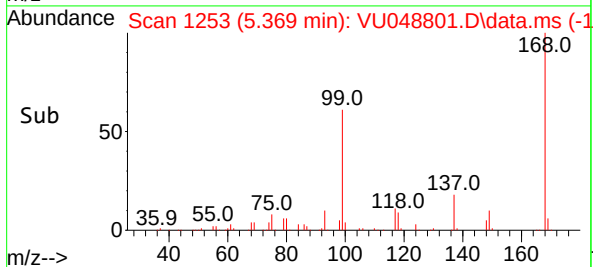
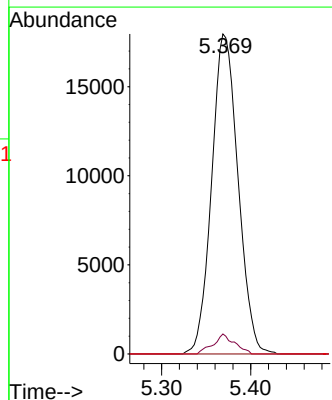
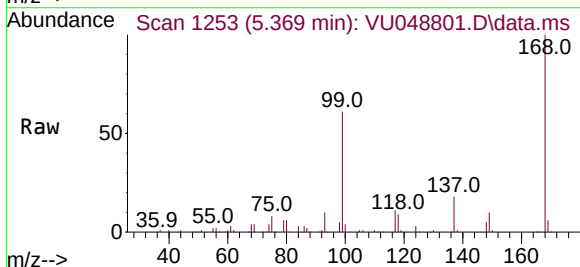
Tgt Ion: 117 Resp: 36921

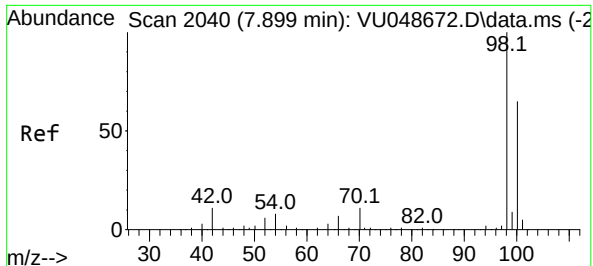
Ion Ratio Lower Upper

117 100

119 6.3 75.4 113.2#

121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 37.185 ug/l

RT: 7.896 min Scan# 2040

Delta R.T. -0.003 min

Lab File: VU048801.D

Acq: 02 Jun 2022 14:14

Instrument :

MSVOA_U

ClientSampleId :

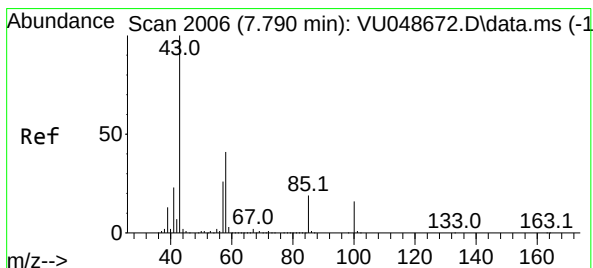
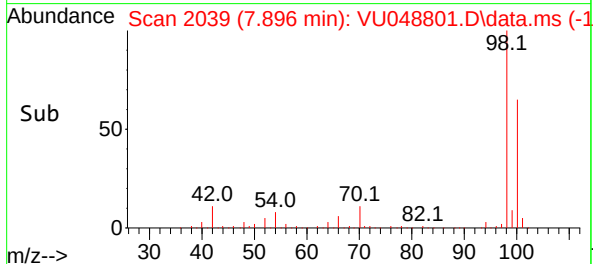
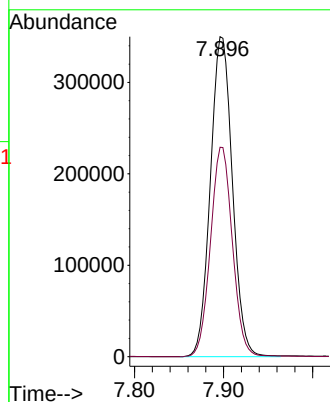
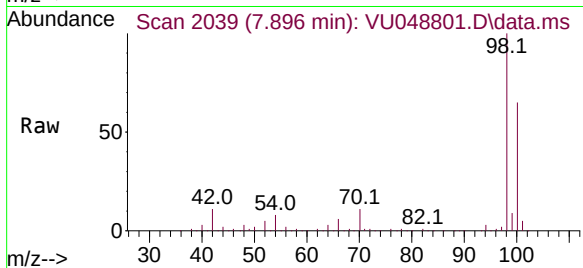
20220429-SPLP-AMENDED-COMPOSITE-IRE

Tgt Ion: 98 Resp: 600915

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 0.471 ug/l

RT: 7.796 min Scan# 2008

Delta R.T. 0.006 min

Lab File: VU048801.D

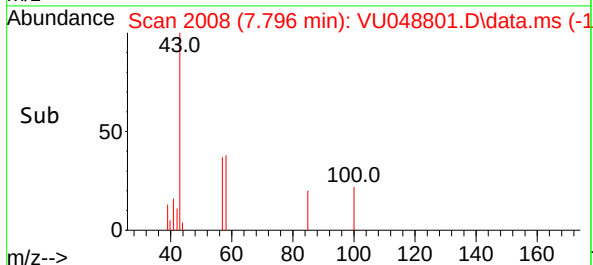
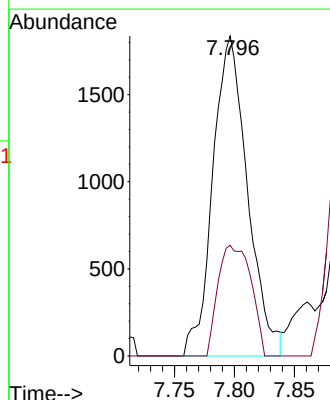
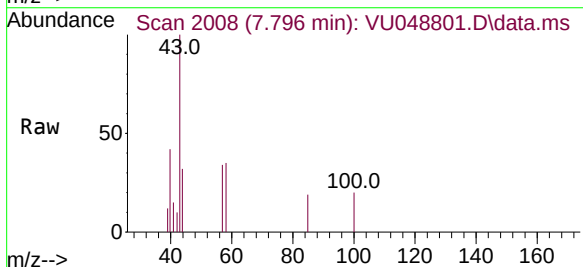
Acq: 02 Jun 2022 14:14

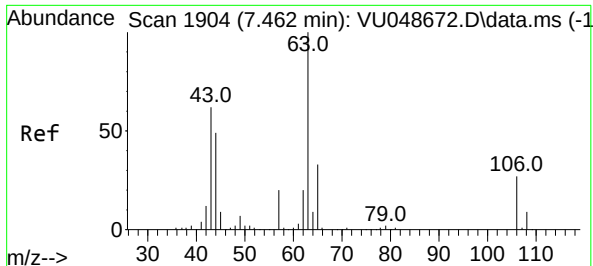
Tgt Ion: 43 Resp: 3692

Ion Ratio Lower Upper

43 100

58 32.9 32.7 49.1

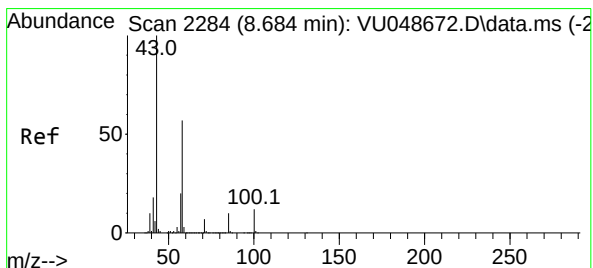
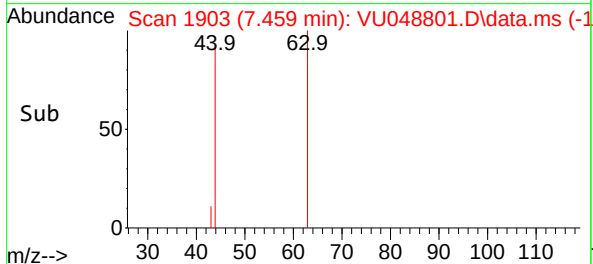
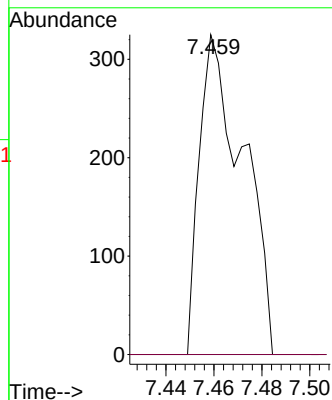
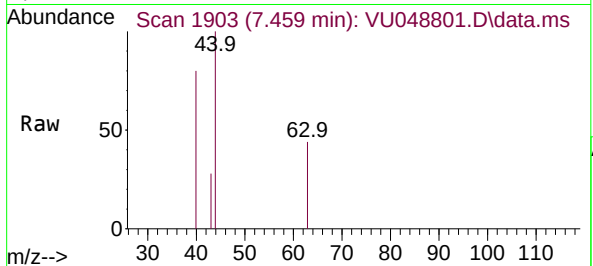




#58
2-Chloroethyl Vinyl ether
Concen: 29.956 ug/l
RT: 7.459 min Scan# 1903
Delta R.T. -0.003 min
Lab File: VU048801.D
Acq: 02 Jun 2022 14:14

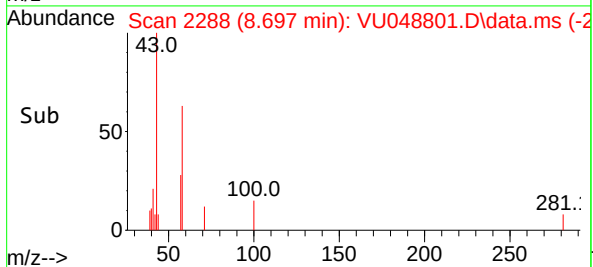
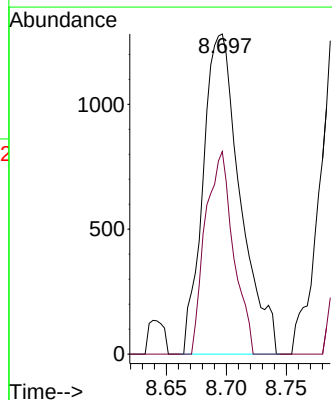
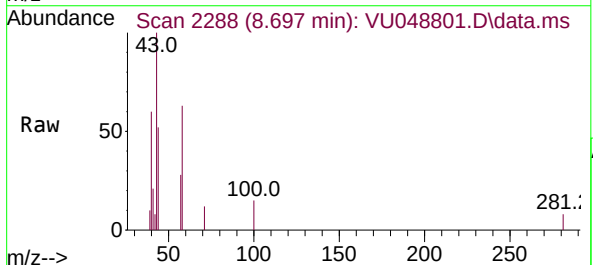
Instrument : MSVOA_U
ClientSampleId : 20220429-SPLP-AMENDED-COMPOSITE-IRE

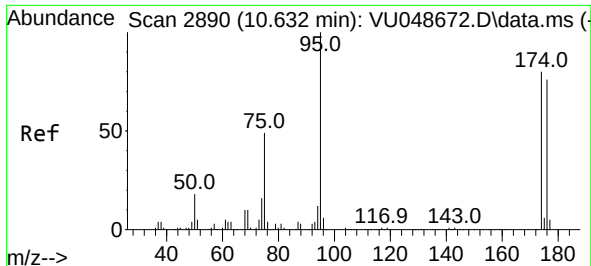
Tgt Ion: 63 Resp: 412
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#



#59
2-Hexanone
Concen: 0.430 ug/l
RT: 8.697 min Scan# 2288
Delta R.T. 0.013 min
Lab File: VU048801.D
Acq: 02 Jun 2022 14:14

Tgt Ion: 43 Resp: 2767
Ion Ratio Lower Upper
43 100
58 47.6 28.2 84.6

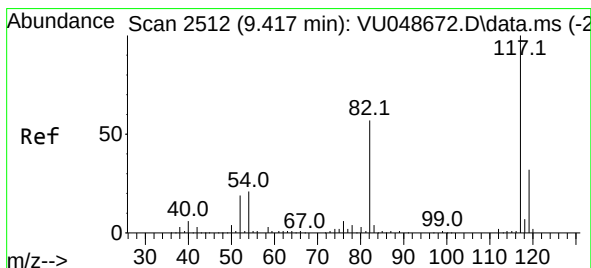
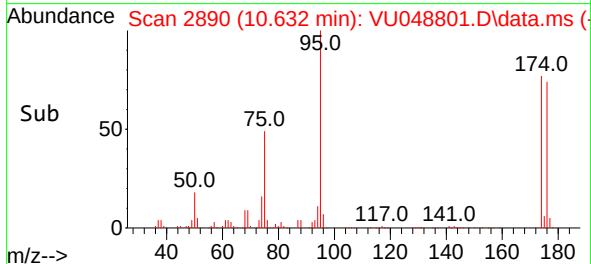
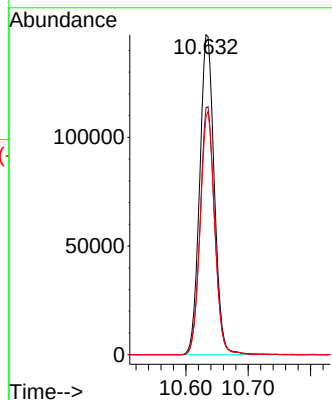
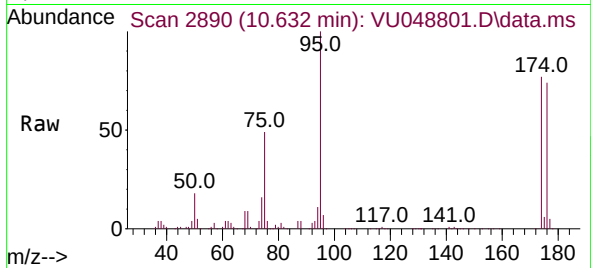




#62
4-Bromofluorobenzene
Concen: 39.244 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048801.D
Acq: 02 Jun 2022 14:14

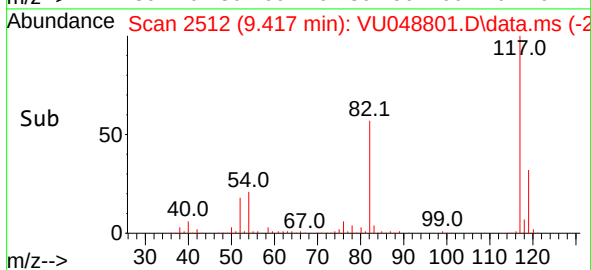
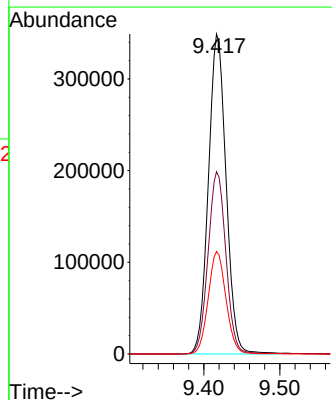
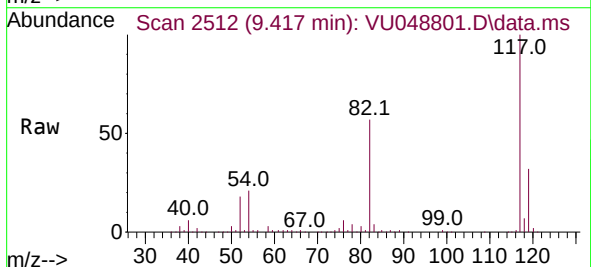
Instrument : MSVOA_U
ClientSampleId : 20220429-SPLP-AMENDED-COMPOSITE-IRE

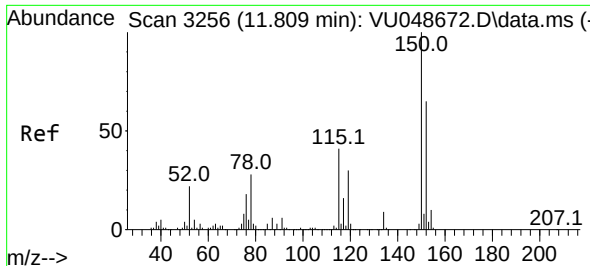
Tgt Ion: 95 Resp: 239845
Ion Ratio Lower Upper
95 100
174 76.9 0.0 159.4
176 74.8 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048801.D
Acq: 02 Jun 2022 14:14

Tgt Ion: 117 Resp: 564054
Ion Ratio Lower Upper
117 100
82 57.0 45.3 67.9
119 32.0 25.4 38.2

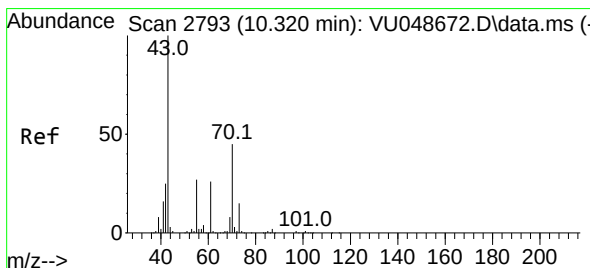
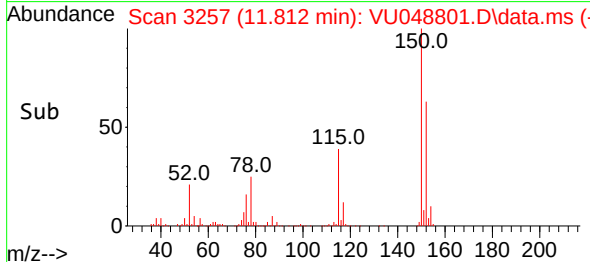
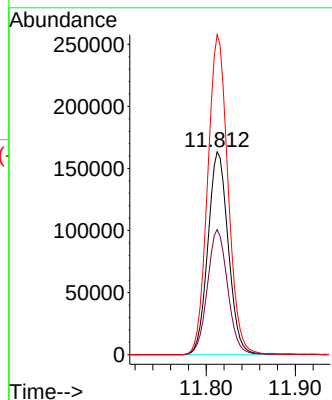
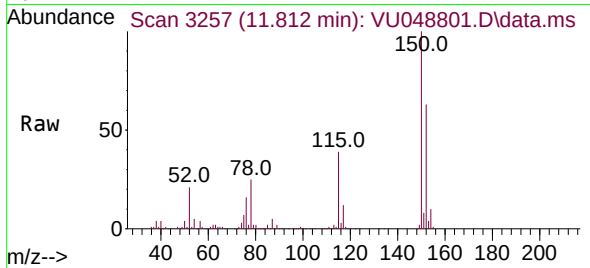




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048801.D
Acq: 02 Jun 2022 14:14

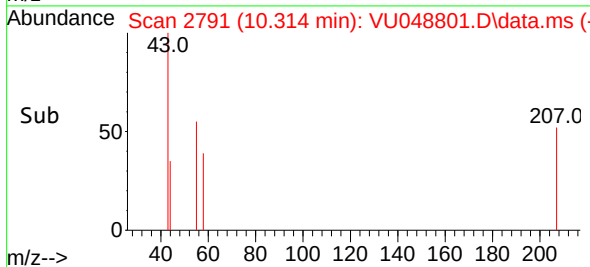
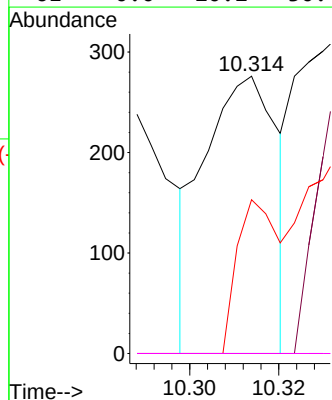
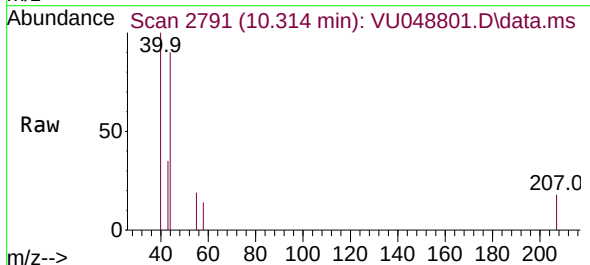
Instrument :
MSVOA_U
ClientSampleId :
20220429-SPLP-AMENDED-COMPOSITE-IRE

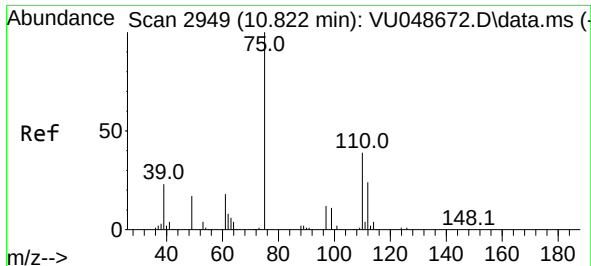
Tgt Ion:152 Resp: 259039
Ion Ratio Lower Upper
152 100
115 61.6 41.8 125.4
150 157.9 0.0 341.0



#74
N-ethyl acetate
Concen: 2.502 ug/l
RT: 10.314 min Scan# 2791
Delta R.T. -0.006 min
Lab File: VU048801.D
Acq: 02 Jun 2022 14:14

Tgt Ion: 43 Resp: 313
Ion Ratio Lower Upper
43 100
70 0.0 35.8 53.6#
55 31.3 21.1 31.7
61 0.0 20.2 30.4#

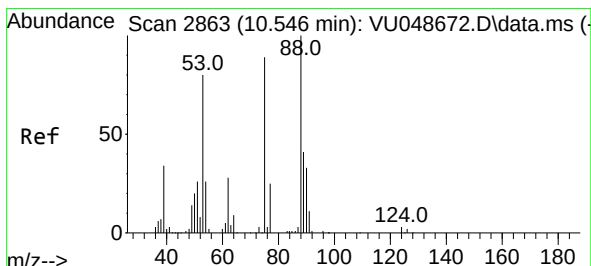
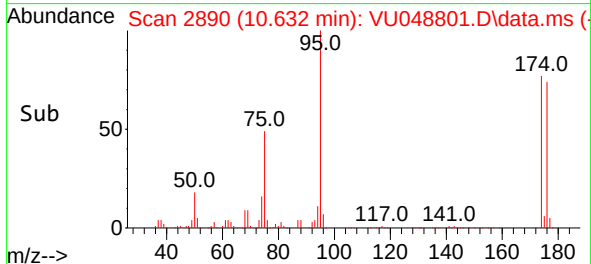
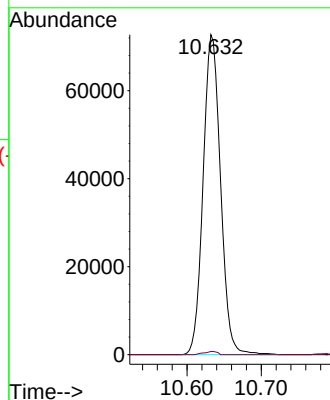
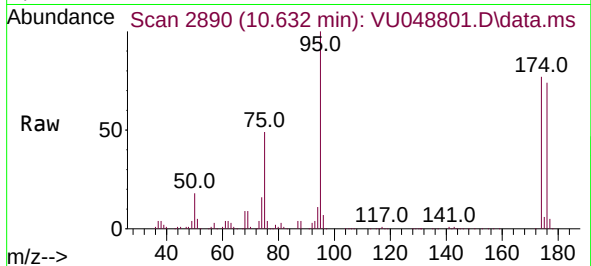




#76
1,2,3-Trichloropropane
Concen: 14.190 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048801.D
Acq: 02 Jun 2022 14:14

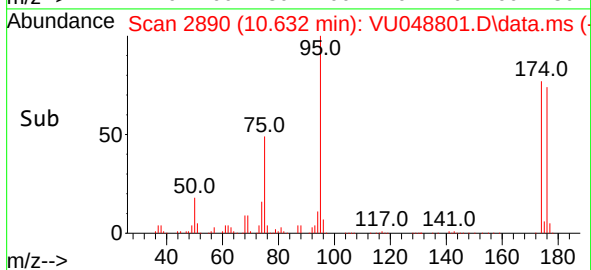
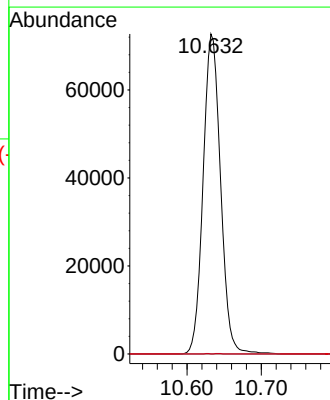
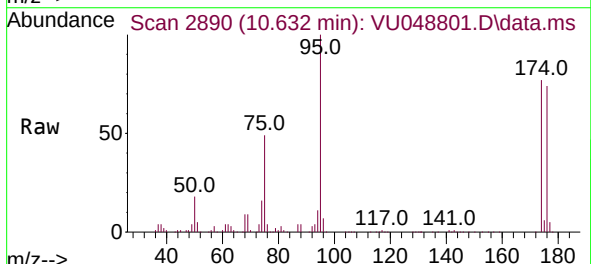
Instrument : MSVOA_U
ClientSampleId : 20220429-SPLP-AMENDED-COMPOSITE-IRE

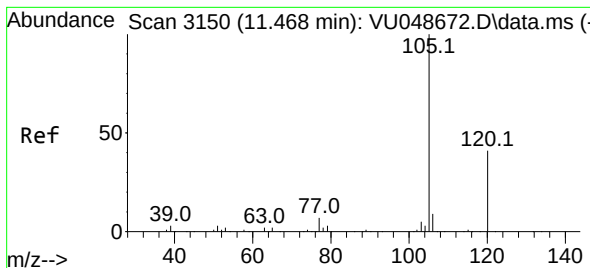
Tgt Ion: 75 Resp: 118513
Ion Ratio Lower Upper
75 100
77 0.8 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 51.521 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048801.D
Acq: 02 Jun 2022 14:14

Tgt Ion: 75 Resp: 118513
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#





#84

1,2,4-Trimethylbenzene

Concen: 1.228 ug/l

RT: 11.465 min Scan# 3150

Delta R.T. -0.003 min

Lab File: VU048801.D

Acq: 02 Jun 2022 14:14

Instrument :

MSVOA_U

ClientSampleId :

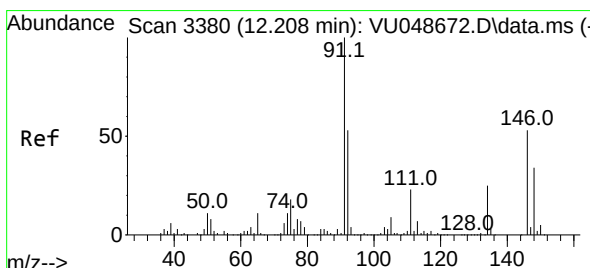
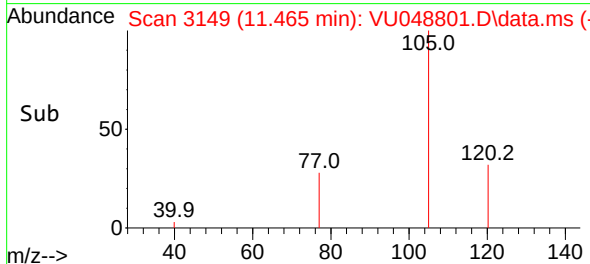
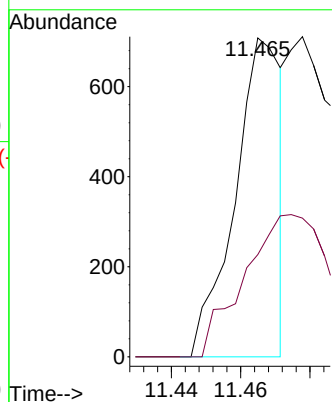
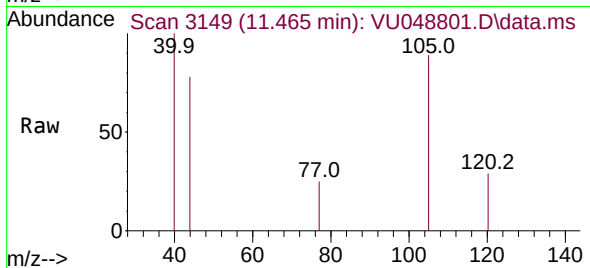
20220429-SPLP-AMENDED-COMPOSITE-IRE

Tgt Ion:105 Resp: 660

Ion Ratio Lower Upper

105 100

120 76.5 22.5 67.5#



#89

n-Butylbenzene

Concen: 2.255 ug/l

RT: 12.211 min Scan# 3381

Delta R.T. 0.003 min

Lab File: VU048801.D

Acq: 02 Jun 2022 14:14

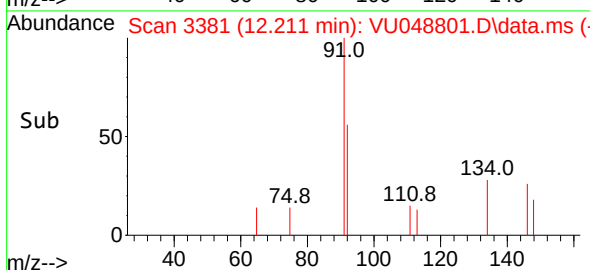
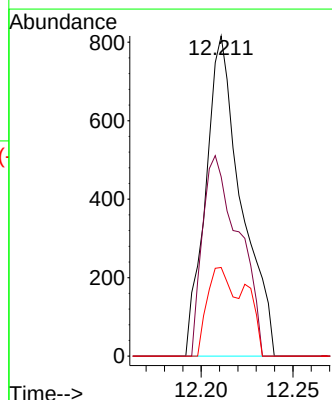
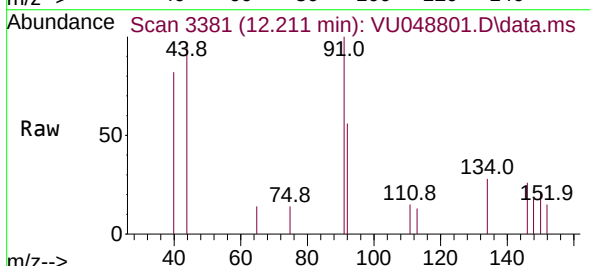
Tgt Ion: 91 Resp: 1099

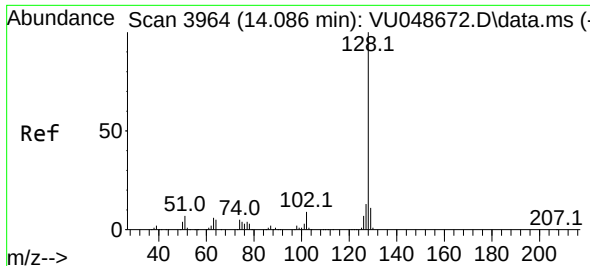
Ion Ratio Lower Upper

91 100

92 64.3 25.9 77.8

134 21.2 12.5 37.5

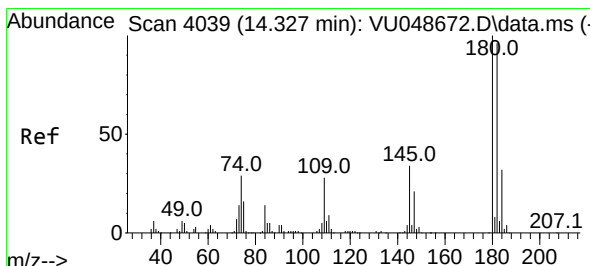
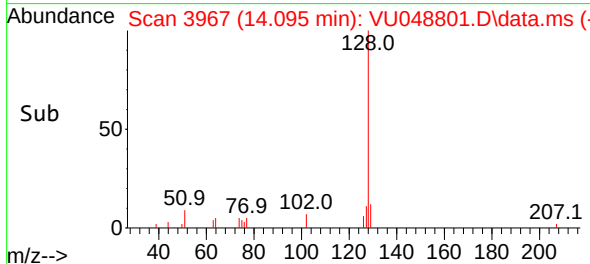
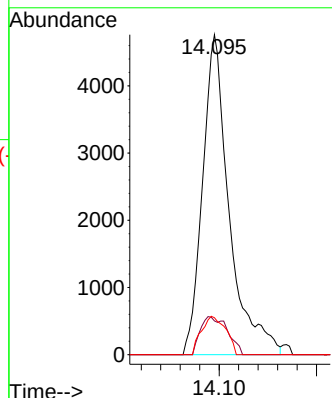
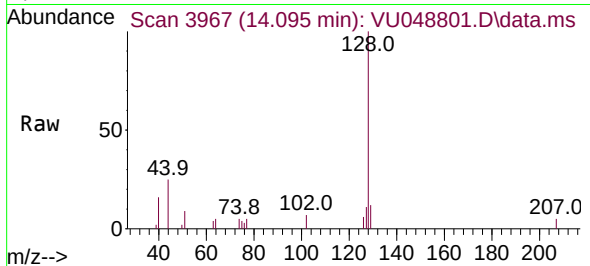




#95
Naphthalene
Concen: 2.953 ug/l
RT: 14.095 min Scan# 3964
Delta R.T. 0.009 min
Lab File: VU048801.D
Acq: 02 Jun 2022 14:14

Instrument :
MSVOA_U
ClientSampleId :
20220429-SPLP-AMENDED-COMPOSITE-IRE

Tgt Ion:128 Resp: 9029
Ion Ratio Lower Upper
128 100
127 12.1 10.2 15.4
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.207 ug/l
RT: 14.336 min Scan# 4042
Delta R.T. 0.010 min
Lab File: VU048801.D
Acq: 02 Jun 2022 14:14

Tgt Ion:180 Resp: 1199
Ion Ratio Lower Upper
180 100
182 83.8 47.4 142.2
145 23.5 16.6 49.8

