

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060622\
 Data File : VU048895.D
 Acq On : 06 Jun 2022 20:14
 Operator : SY/MD
 Sample : N3170-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Jun 07 05:21:29 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)

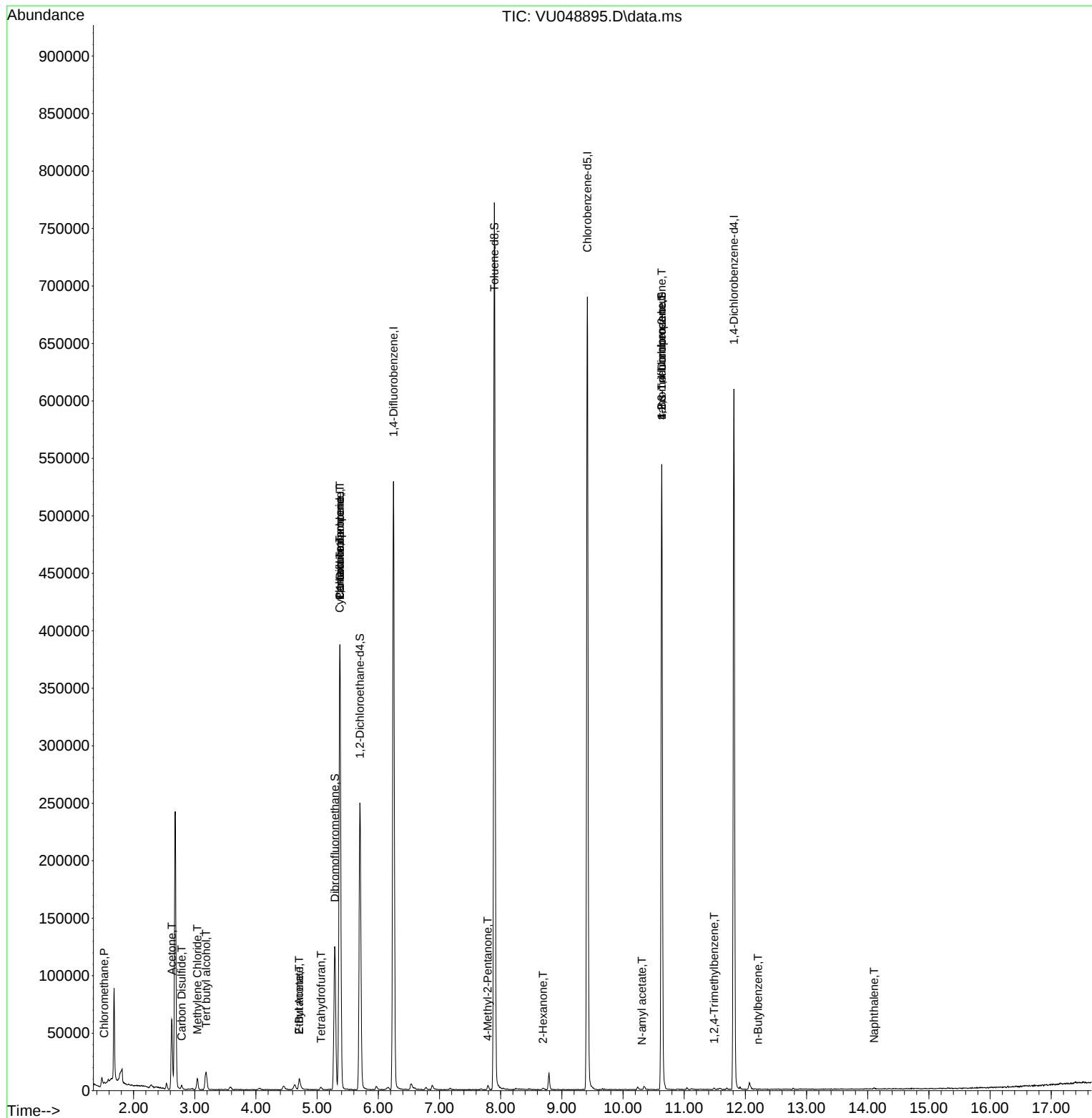
Internal Standards						
1) Pentafluorobenzene	5.372	168	259345	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	418273	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	379376	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	160443	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	191346	49.128	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.260%
35) Dibromofluoromethane	5.289	113	80682	27.038	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	54.080%#
50) Toluene-d8	7.896	98	504193	47.135	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.280%
62) 4-Bromofluorobenzene	10.632	95	179354	44.335	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.680%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	965	0.252	ug/l	90
5) Bromomethane	1.839	94	53	Below Cal		97
6) Chloroethane	1.906	64	238	Below Cal	#	43
11) Tert butyl alcohol	3.186	59	10057	10.185	ug/l	# 28
13) Acrolein	2.482	56	490	Below Cal		93
16) Acetone	2.623	43	66559	33.532	ug/l	99
17) Carbon Disulfide	2.787	76	3715	0.482	ug/l	99
20) Methylene Chloride	3.041	84	4040	1.197	ug/l	90
25) 2-Butanone	4.707	43	15382	5.394	ug/l	91
29) Tetrahydrofuran	5.063	42	1509	0.840	ug/l	# 77
31) Cyclohexane	5.369	56	5340	1.088	ug/l	# 1
36) 1,1-Dichloropropene	5.372	75	21815	5.009	ug/l	# 49
37) Ethyl Acetate	4.707	43	15382	2.794	ug/l	# 68
38) Carbon Tetrachloride	5.372	117	27586	5.521	ug/l	# 17
51) 4-Methyl-2-Pentanone	7.790	43	2435	0.469	ug/l	95
59) 2-Hexanone	8.690	43	1094	0.257	ug/l	91
74) N-amyl acetate	10.311	43	73	2.480	ug/l	# 41
76) 1,2,3-Trichloropropane	10.632	75	94905	18.346	ug/l	# 47
81) trans-1,4-Dichloro-2-b...	10.632	75	94905	66.612	ug/l	# 13
84) 1,2,4-Trimethylbenzene	11.491	105	702	1.258	ug/l	# 31
89) n-Butylbenzene	12.205	91	40	2.189	ug/l	# 34
95) Naphthalene	14.105	128	1501	2.645	ug/l	# 69

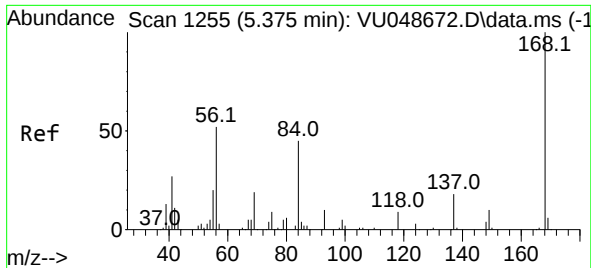
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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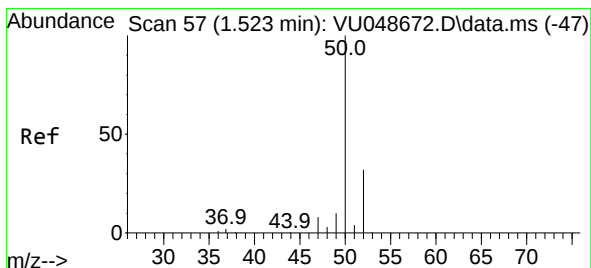
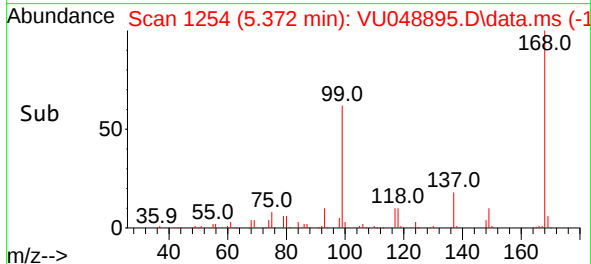
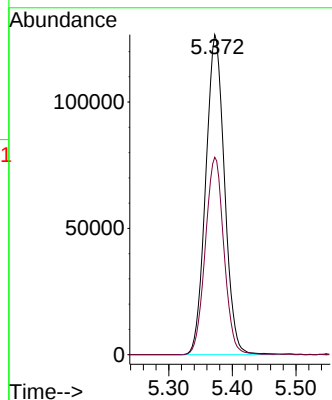
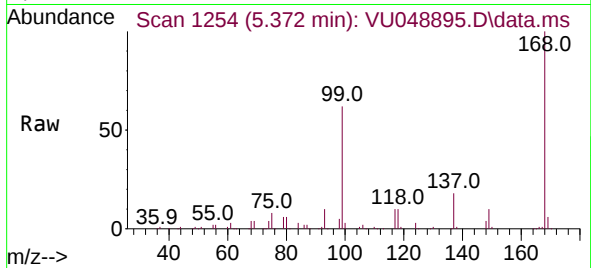




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048895.D
Acq: 06 Jun 2022 20:14

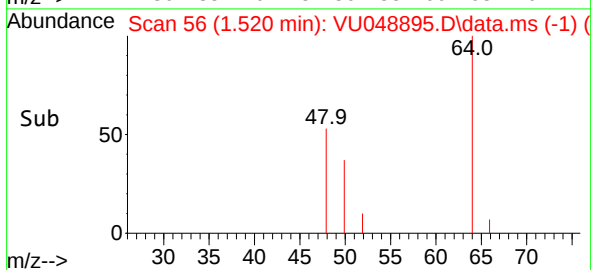
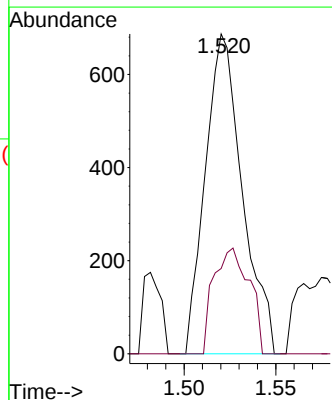
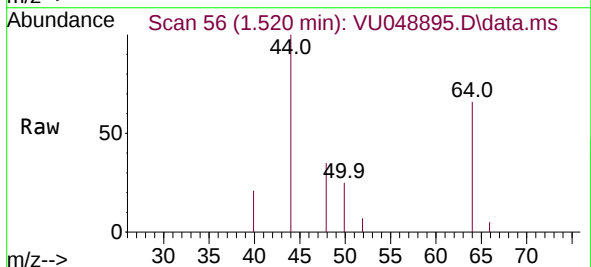
Instrument :
MSVOA_U
ClientSampleId :
20220422-SPLP-AMENDED-COMPOSITE-BRE

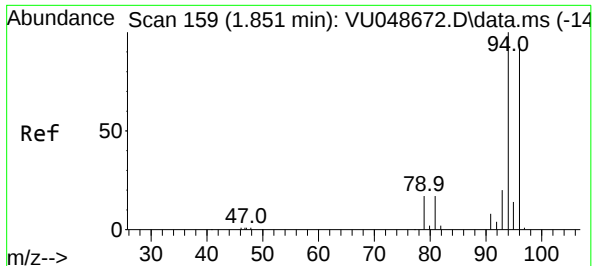
Tgt Ion:168 Resp: 259345
Ion Ratio Lower Upper
168 100
99 61.7 49.3 73.9



#3
Chloromethane
Concen: 0.252 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048895.D
Acq: 06 Jun 2022 20:14

Tgt Ion: 50 Resp: 965
Ion Ratio Lower Upper
50 100
52 26.6 25.7 38.5

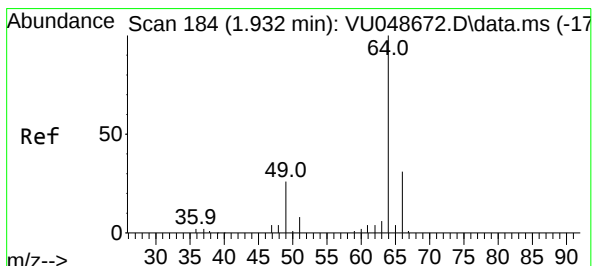
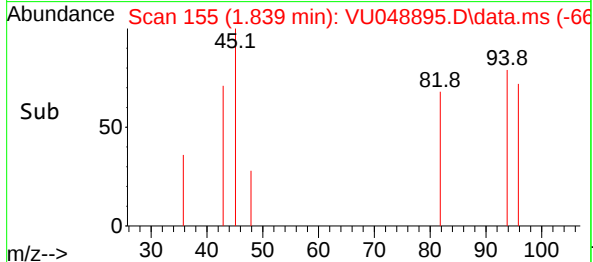
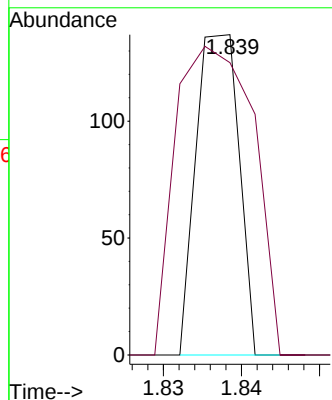
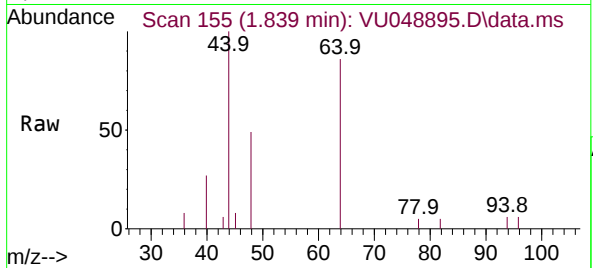




#5
Bromomethane
Concen: Below Cal
RT: 1.839 min Scan# 11
Delta R.T. -0.012 min
Lab File: VU048895.D
Acq: 06 Jun 2022 20:14

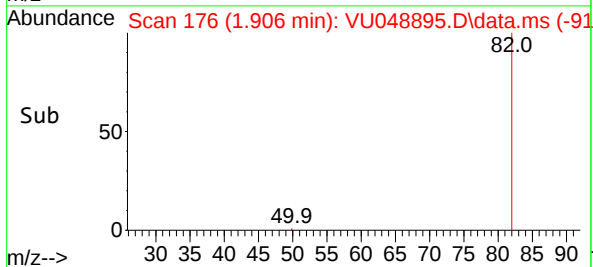
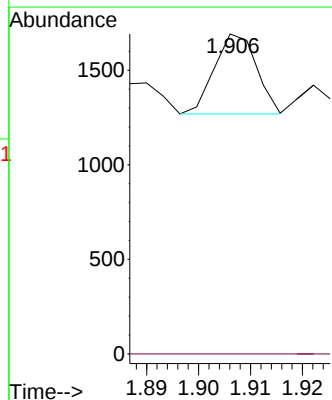
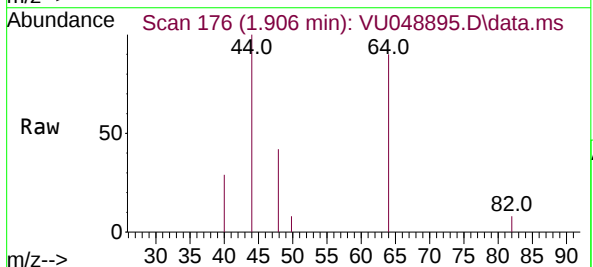
Instrument :
MSVOA_U
ClientSampleId :
20220422-SPLP-AMENDED-COMPOSITE-BRE

Tgt Ion: 94 Resp: 53
Ion Ratio Lower Upper
94 100
96 91.2 75.1 112.7



#6
Chloroethane
Concen: Below Cal
RT: 1.906 min Scan# 176
Delta R.T. -0.026 min
Lab File: VU048895.D
Acq: 06 Jun 2022 20:14

Tgt Ion: 64 Resp: 238
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

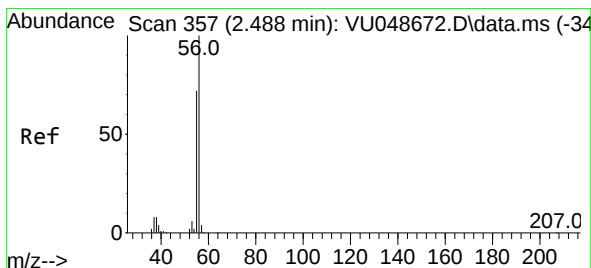
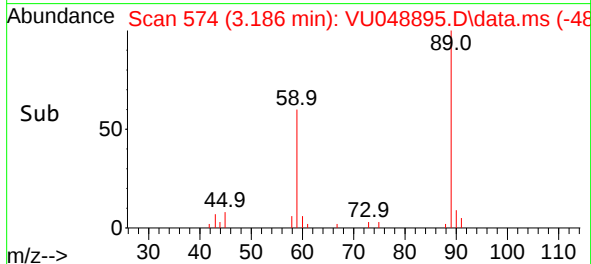
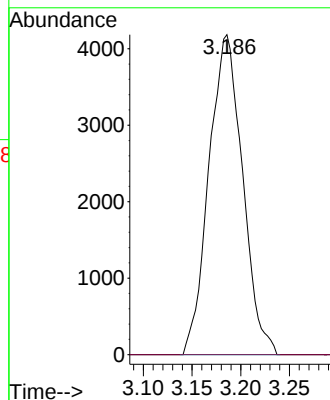
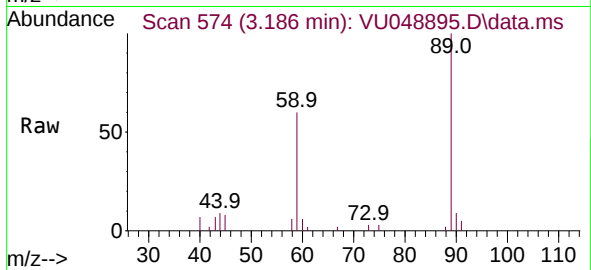




#11
Tert butyl alcohol
Concen: 10.185 ug/l
RT: 3.186 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU048895.D
Acq: 06 Jun 2022 20:14

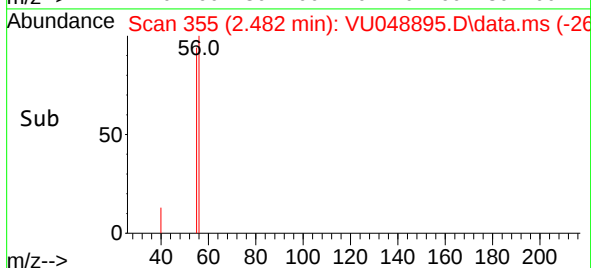
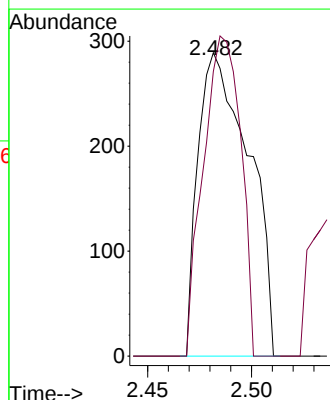
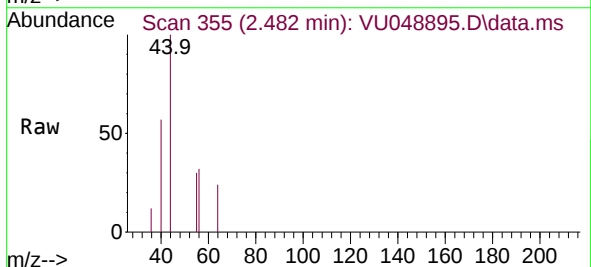
Instrument : MSVOA_U
ClientSampleId : 20220422-SPLP-AMENDED-COMPOSITE-BRE

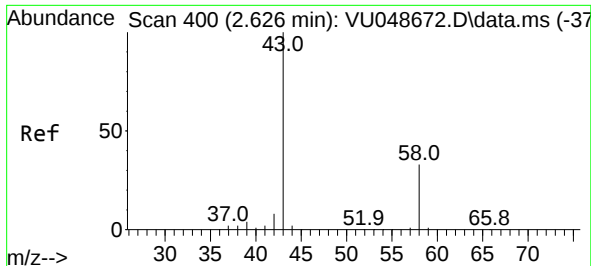
Tgt Ion: 59 Resp: 10057
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.482 min Scan# 355
Delta R.T. -0.006 min
Lab File: VU048895.D
Acq: 06 Jun 2022 20:14

Tgt Ion: 56 Resp: 490
Ion Ratio Lower Upper
56 100
55 77.8 57.7 86.5

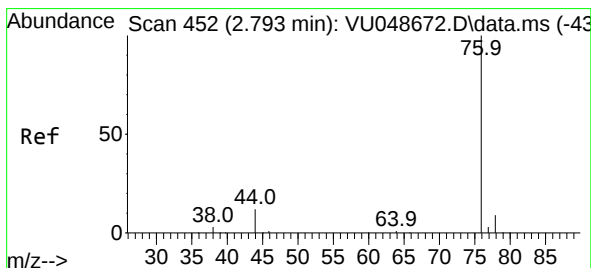
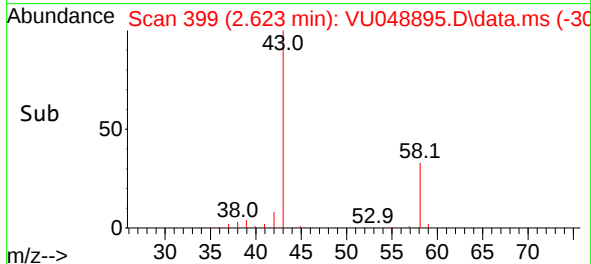
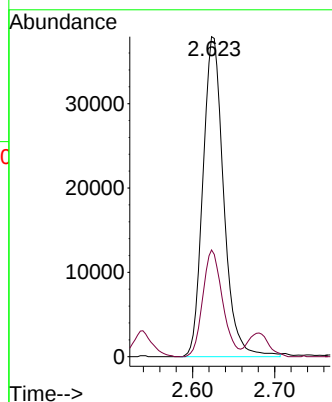
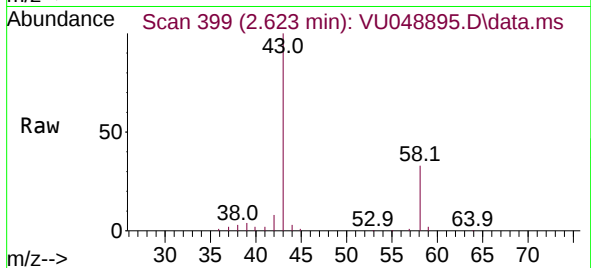




#16
Acetone
Concen: 33.532 ug/l
RT: 2.623 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU048895.D
Acq: 06 Jun 2022 20:14

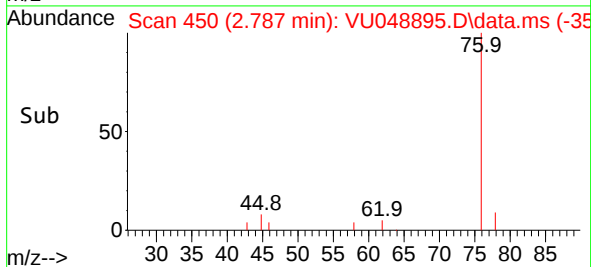
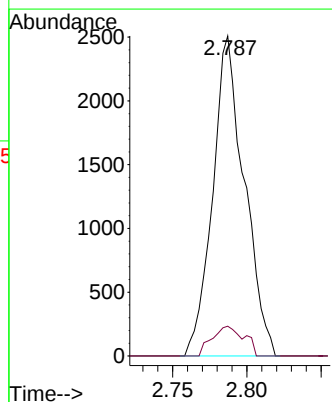
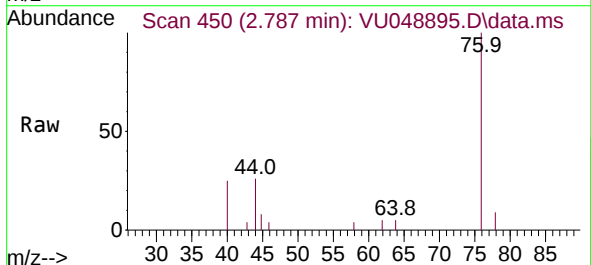
Instrument : MSVOA_U
ClientSampleId : 20220422-SPLP-AMENDED-COMPOSITE-BRE

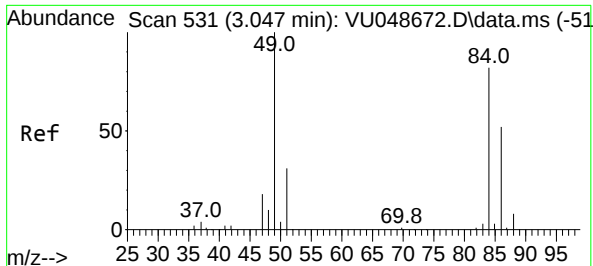
Tgt Ion: 43 Resp: 66559
Ion Ratio Lower Upper
43 100
58 33.3 26.3 39.5



#17
Carbon Disulfide
Concen: 0.482 ug/l
RT: 2.787 min Scan# 450
Delta R.T. -0.006 min
Lab File: VU048895.D
Acq: 06 Jun 2022 20:14

Tgt Ion: 76 Resp: 3715
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9

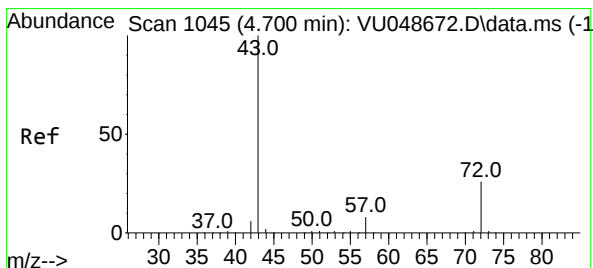
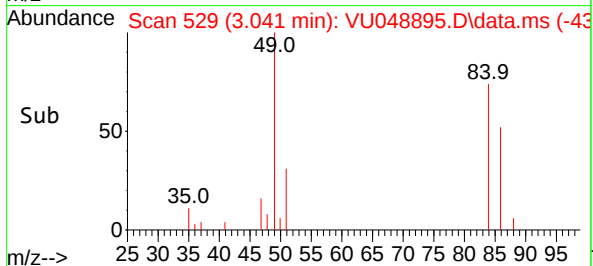
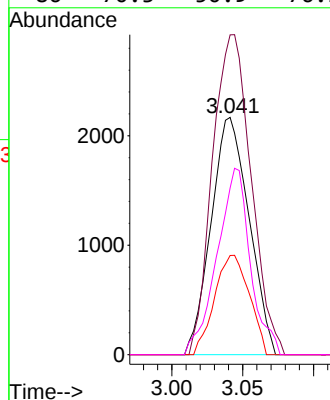
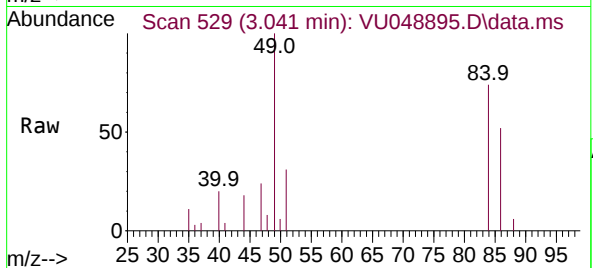




#20
Methylene Chloride
Concen: 1.197 ug/l
RT: 3.041 min Scan# 51
Delta R.T. -0.006 min
Lab File: VU048895.D
Acq: 06 Jun 2022 20:14

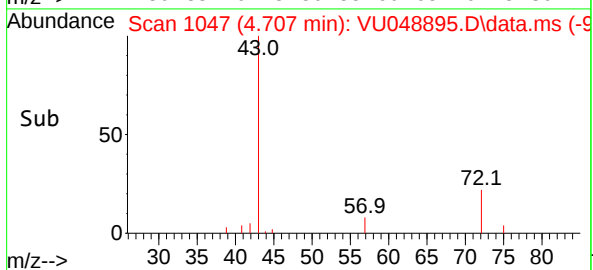
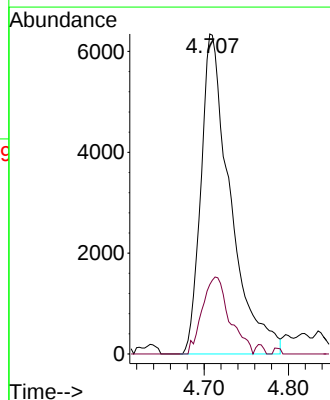
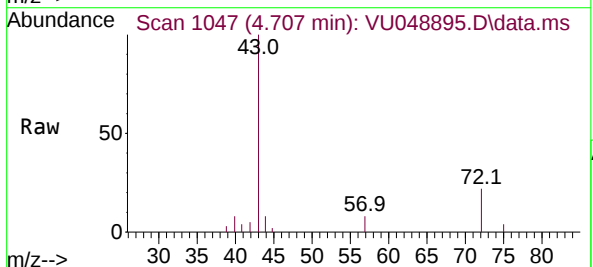
Instrument : MSVOA_U
ClientSampleId : 20220422-SPLP-AMENDED-COMPOSITE-BRE

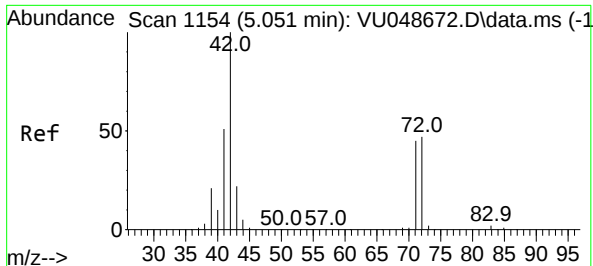
Tgt Ion:	84	Resp:	4040
Ion	Ratio	Lower	Upper
84	100		
49	134.8	97.0	145.4
51	41.8	29.8	44.8
86	70.3	50.9	76.3



#25
2-Butanone
Concen: 5.394 ug/l
RT: 4.707 min Scan# 1047
Delta R.T. 0.006 min
Lab File: VU048895.D
Acq: 06 Jun 2022 20:14

Tgt Ion:	43	Resp:	15382
Ion	Ratio	Lower	Upper
43	100		
72	21.7	21.1	31.7





#29

Tetrahydrofuran

Concen: 0.840 ug/l

RT: 5.063 min Scan# 1154

Delta R.T. 0.013 min

Lab File: VU048895.D

Acq: 06 Jun 2022 20:14

Instrument :

MSVOA_U

ClientSampleId :

20220422-SPLP-AMENDED-COMPOSITE-BRE

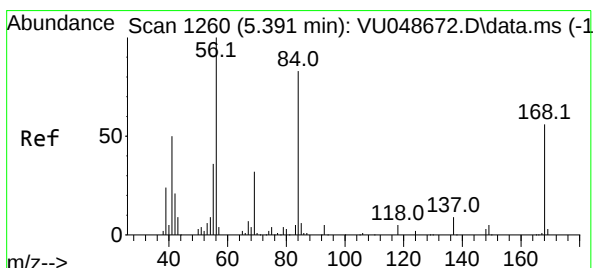
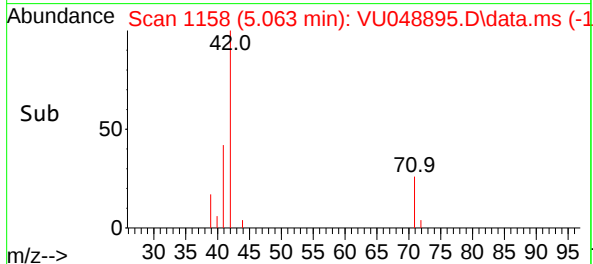
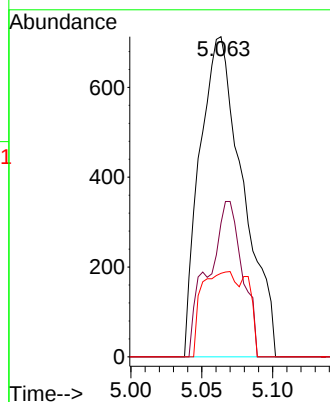
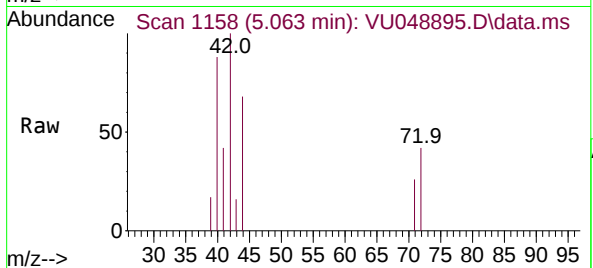
Tgt Ion: 42 Resp: 1509

Ion Ratio Lower Upper

42 100

72 38.6 37.6 56.4

71 22.0 35.0 52.4#



#31

Cyclohexane

Concen: 1.088 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.022 min

Lab File: VU048895.D

Acq: 06 Jun 2022 20:14

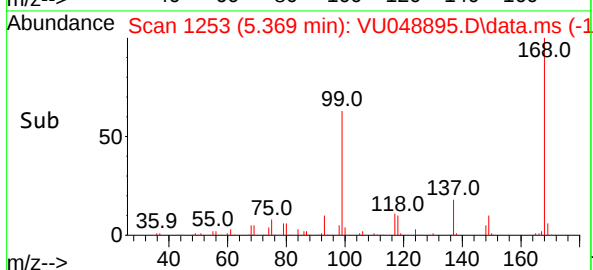
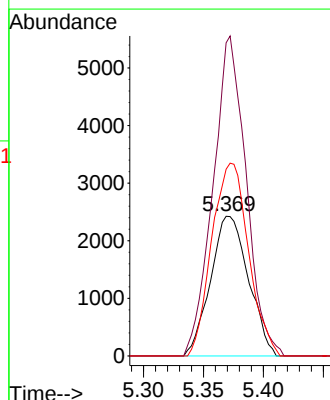
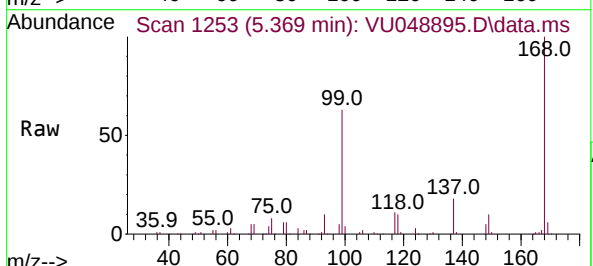
Tgt Ion: 56 Resp: 5340

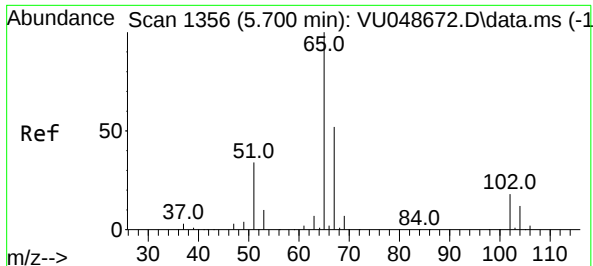
Ion Ratio Lower Upper

56 100

69 224.2 25.6 38.4#

84 133.7 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 49.128 ug/l

RT: 5.700 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048895.D

Acq: 06 Jun 2022 20:14

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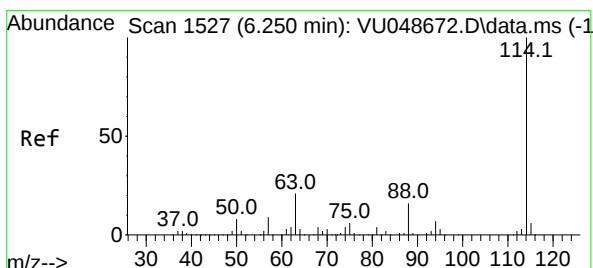
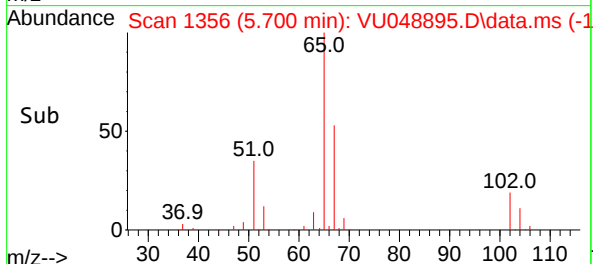
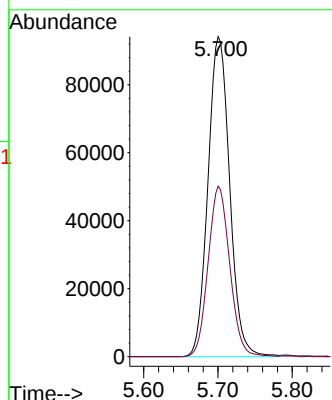
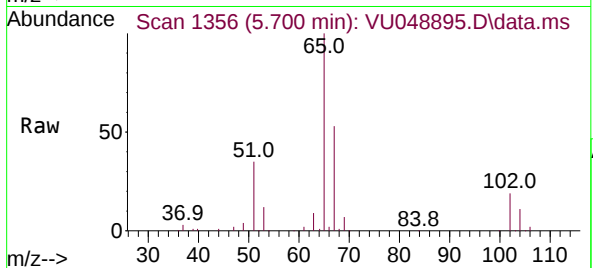
20220422-SPLP-AMENDED-COMPOSITE-BRE

Tgt Ion: 65 Resp: 191346

Ion Ratio Lower Upper

65 100

67 53.0 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: VU048895.D

Acq: 06 Jun 2022 20:14

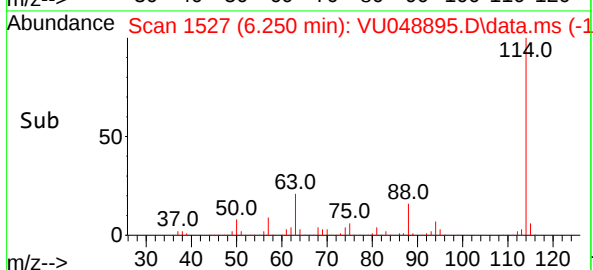
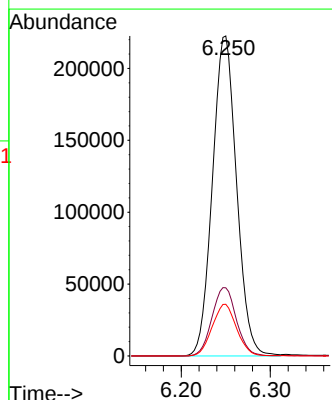
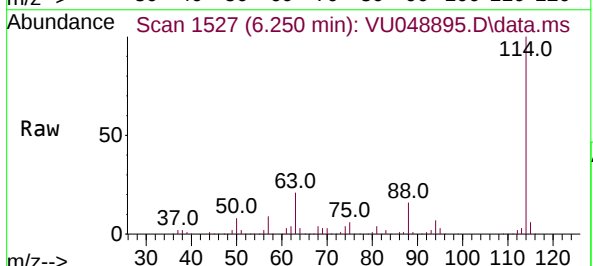
Tgt Ion: 114 Resp: 418273

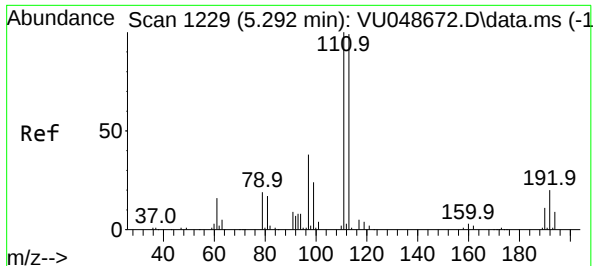
Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.6

88 16.1 0.0 32.2





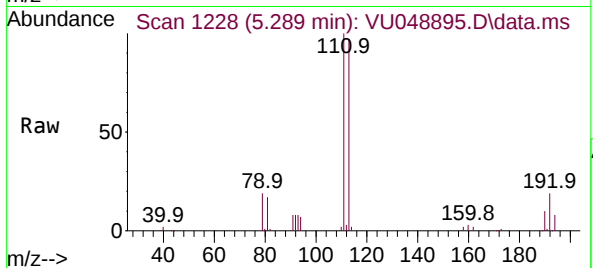
#35
Dibromofluoromethane
Concen: 27.038 ug/l
RT: 5.289 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048895.D
Acq: 06 Jun 2022 20:14

Instrument :

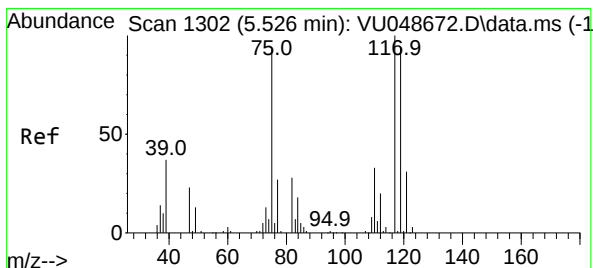
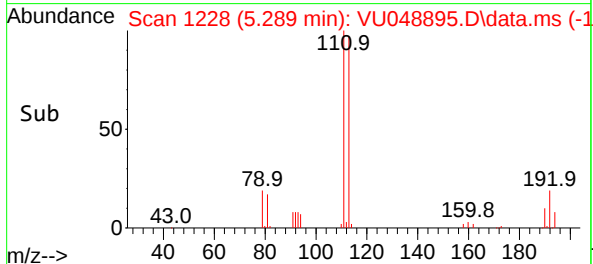
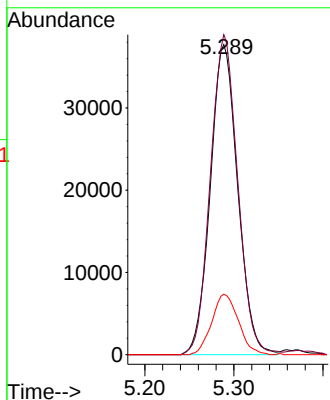
MSVOA_U

ClientSampleId :

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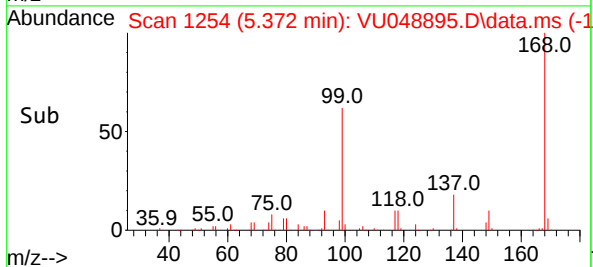
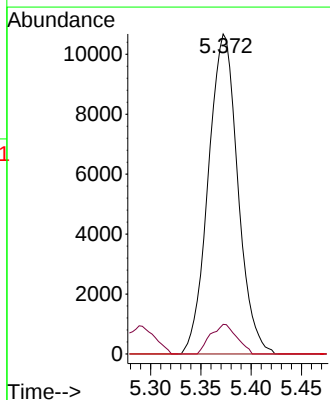
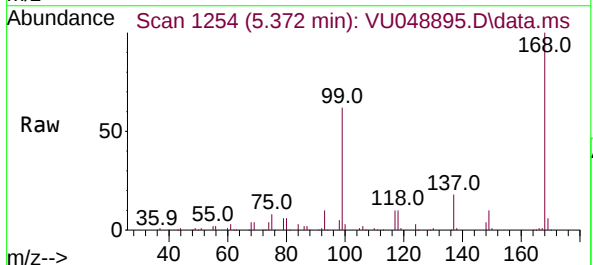


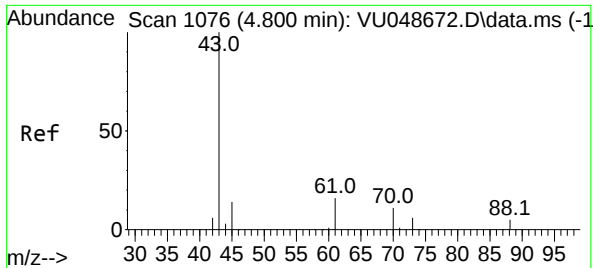
Tgt Ion:113 Resp: 80682
Ion Ratio Lower Upper
113 100
111 102.6 80.7 121.1
192 18.9 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.009 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU048895.D
Acq: 06 Jun 2022 20:14

Tgt Ion: 75 Resp: 21815
Ion Ratio Lower Upper
75 100
110 8.2 17.4 52.3#
77 0.0 24.8 37.2#

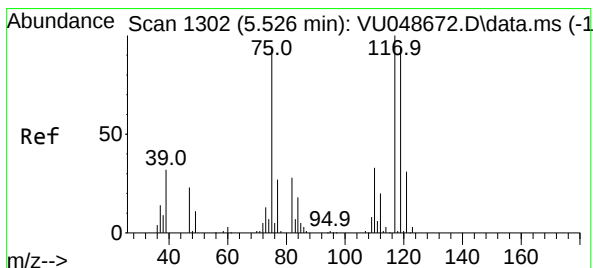
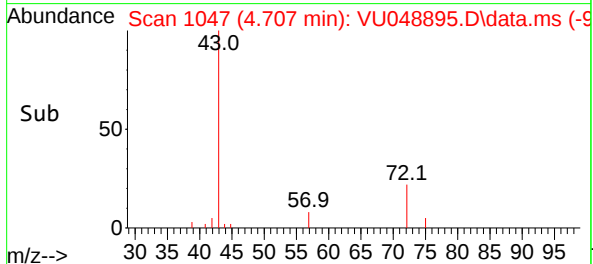
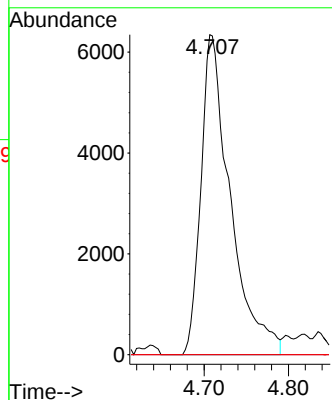
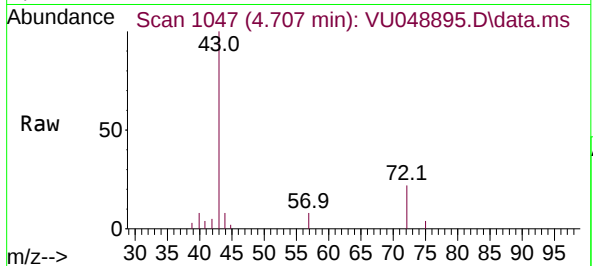




#37
Ethyl Acetate
Concen: 2.794 ug/l
RT: 4.707 min Scan# 1047
Delta R.T. -0.093 min
Lab File: VU048895.D
Acq: 06 Jun 2022 20:14

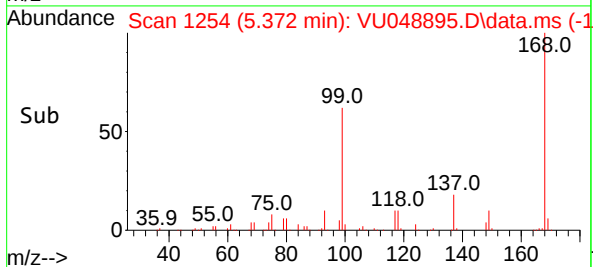
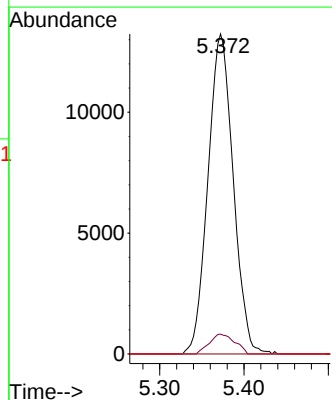
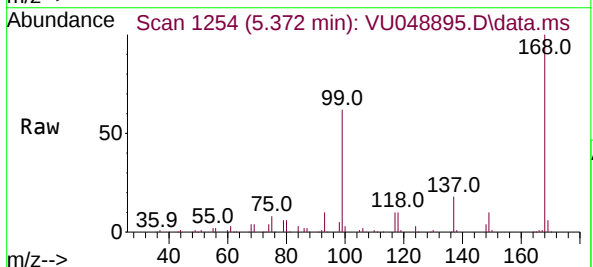
Instrument : MSVOA_U
ClientSampleId : 20220422-SPLP-AMENDED-COMPOSITE-BRE

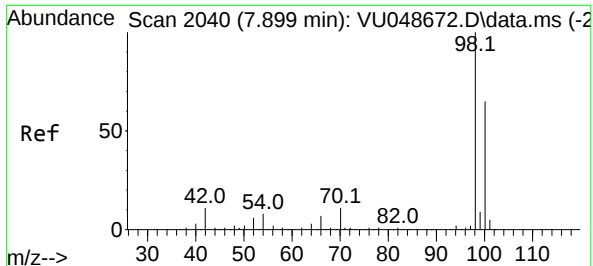
Tgt Ion: 43 Resp: 15382
Ion Ratio Lower Upper
43 100
61 0.0 11.7 17.5#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 5.521 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU048895.D
Acq: 06 Jun 2022 20:14

Tgt Ion: 117 Resp: 27586
Ion Ratio Lower Upper
117 100
119 6.2 75.4 113.2#
121 0.0 24.6 36.8#

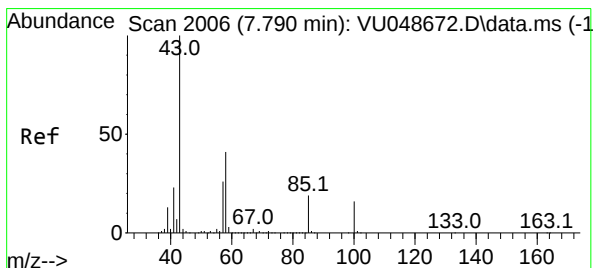
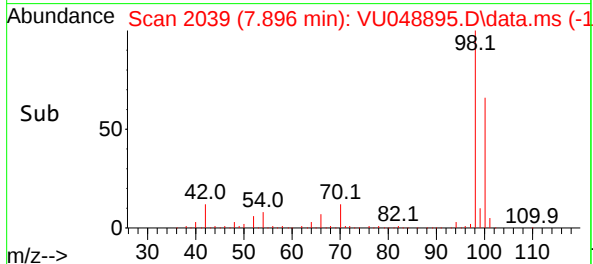
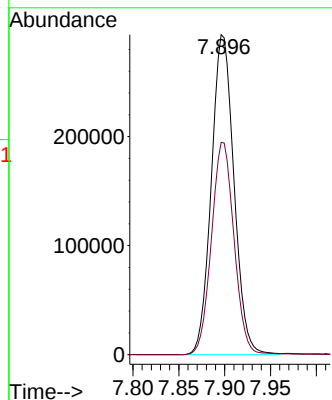
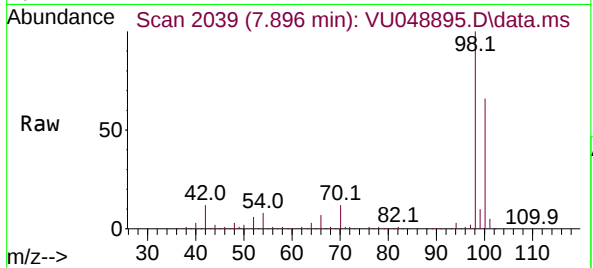




#50
Toluene-d8
Concen: 47.135 ug/l
RT: 7.896 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU048895.D
Acq: 06 Jun 2022 20:14

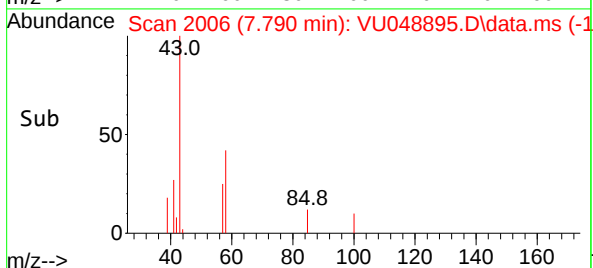
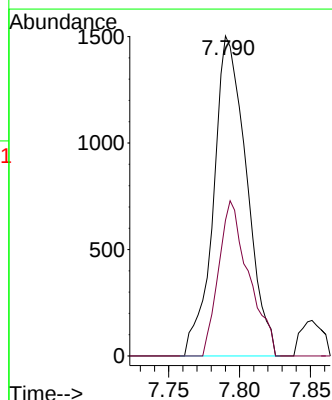
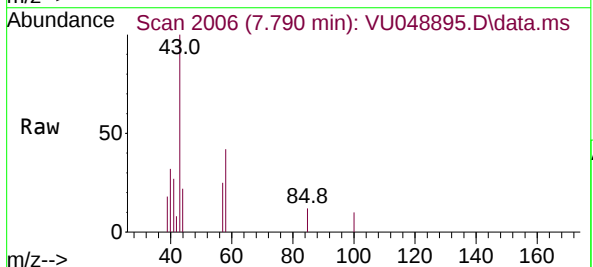
Instrument : MSVOA_U
ClientSampleId : 20220422-SPLP-AMENDED-COMPOSITE-BRE

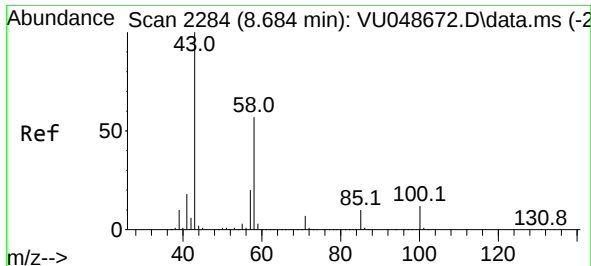
Tgt Ion: 98 Resp: 504193
Ion Ratio Lower Upper
98 100
100 66.3 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.469 ug/l
RT: 7.790 min Scan# 2006
Delta R.T. 0.000 min
Lab File: VU048895.D
Acq: 06 Jun 2022 20:14

Tgt Ion: 43 Resp: 2435
Ion Ratio Lower Upper
43 100
58 44.2 32.7 49.1





#59

2-Hexanone

Concen: 0.257 ug/l

RT: 8.690 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU048895.D

Acq: 06 Jun 2022 20:14

Instrument :

MSVOA_U

ClientSampleId :

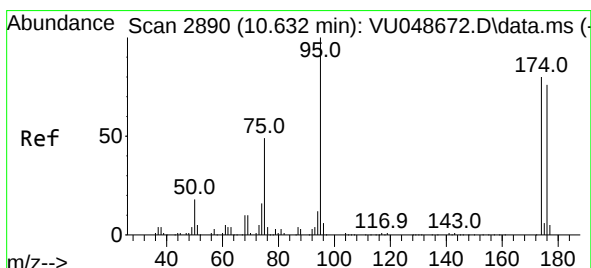
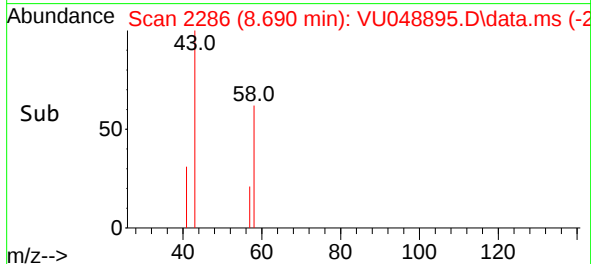
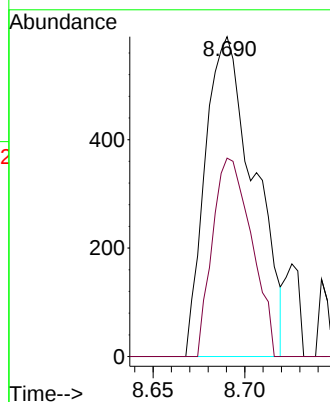
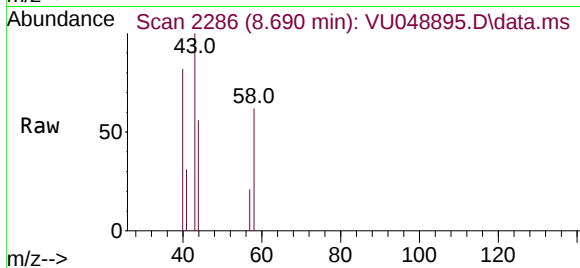
20220422-SPLP-AMENDED-COMPOSITE-BRE

Tgt Ion: 43 Resp: 1094

Ion Ratio Lower Upper

43 100

58 49.5 28.2 84.6



#62

4-Bromofluorobenzene

Concen: 44.335 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. 0.000 min

Lab File: VU048895.D

Acq: 06 Jun 2022 20:14

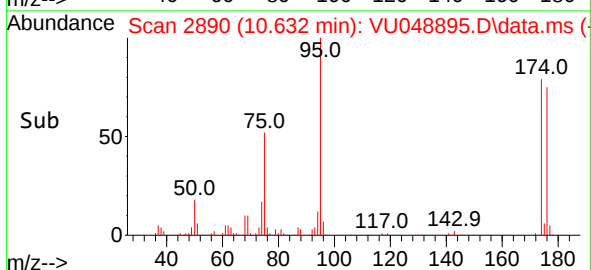
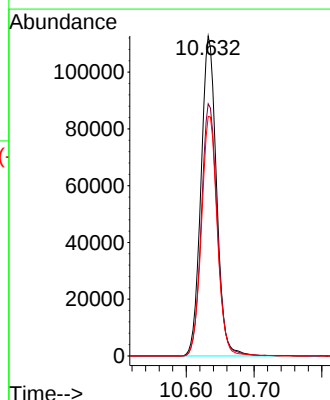
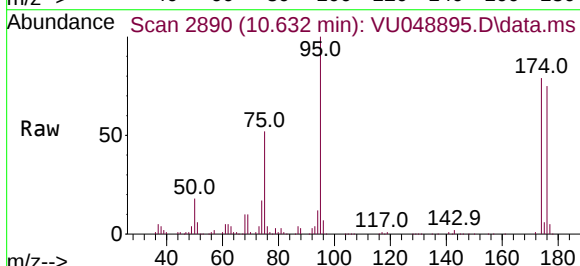
Tgt Ion: 95 Resp: 179354

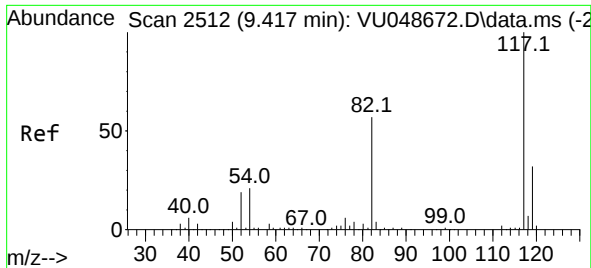
Ion Ratio Lower Upper

95 100

174 80.5 0.0 159.4

176 76.4 0.0 152.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048895.D
Acq: 06 Jun 2022 20:14

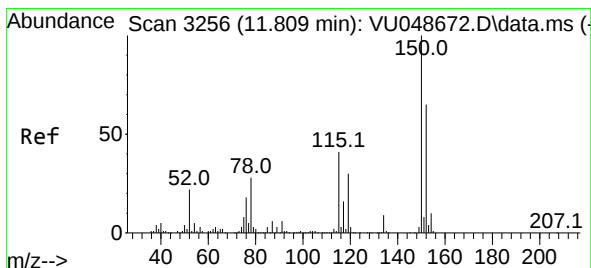
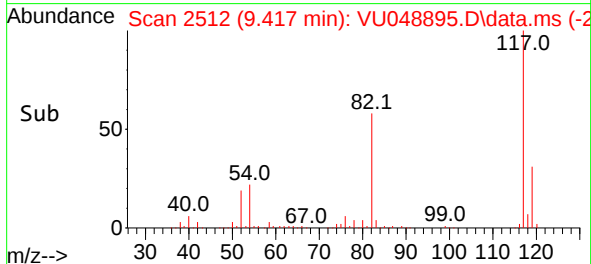
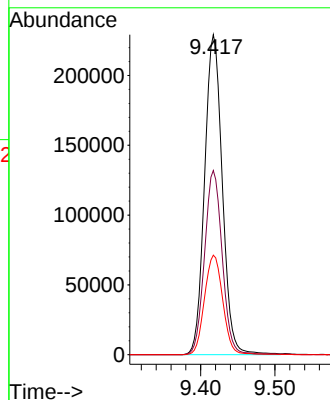
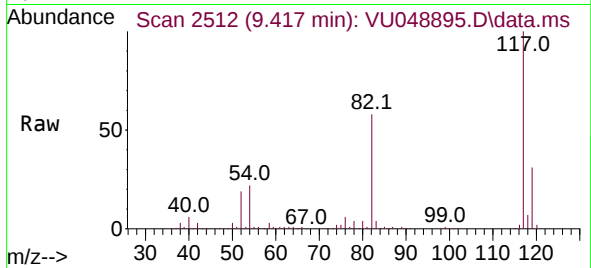
Instrument :

MSVOA_U

ClientSampleId :

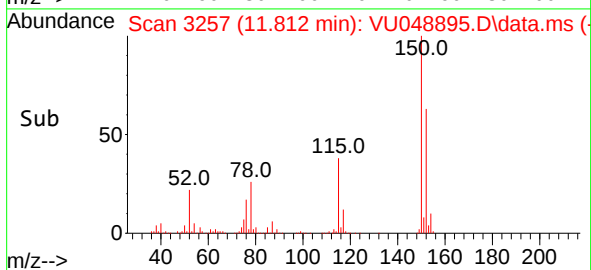
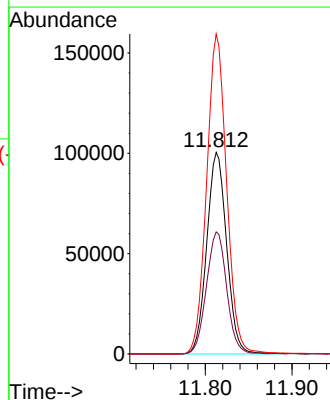
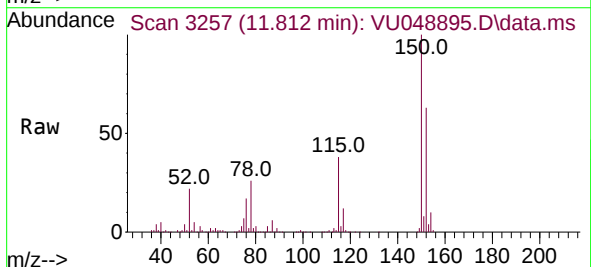
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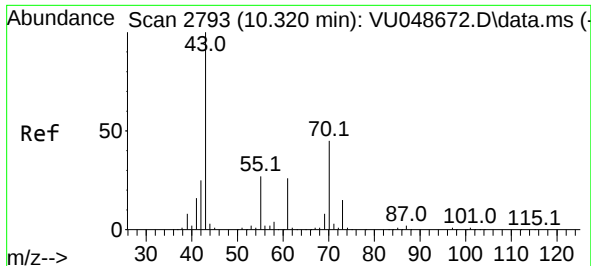
Tgt Ion:117 Resp: 379376
Ion Ratio Lower Upper
117 100
82 57.6 45.3 67.9
119 31.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048895.D
Acq: 06 Jun 2022 20:14

Tgt Ion:152 Resp: 160443
Ion Ratio Lower Upper
152 100
115 61.7 41.8 125.4
150 159.1 0.0 341.0

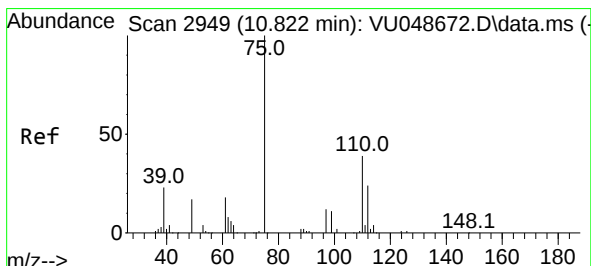
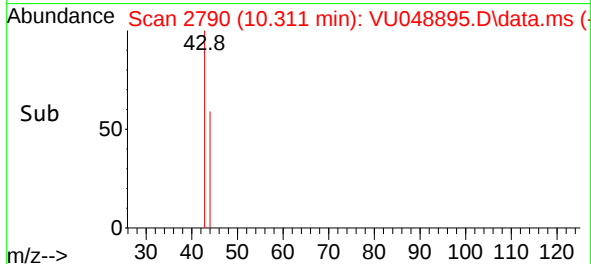
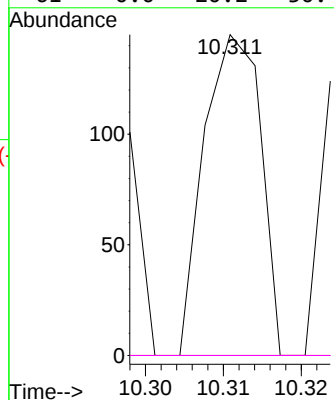
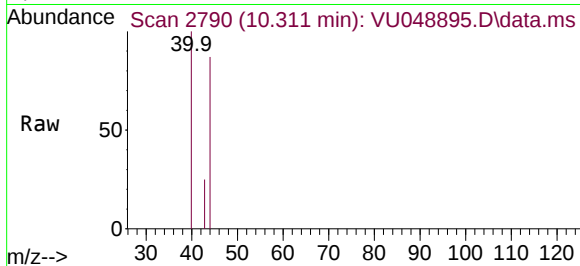




#74
N-amy1 acetate
Concen: 2.480 ug/l
RT: 10.311 min Scan# 21
Delta R.T. -0.009 min
Lab File: VU048895.D
Acq: 06 Jun 2022 20:14

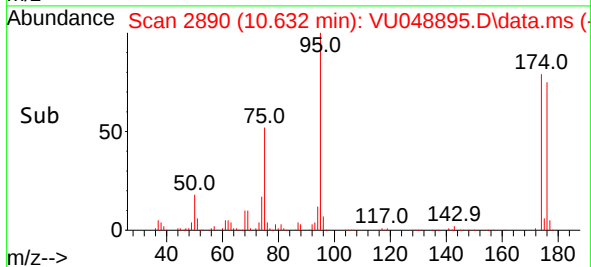
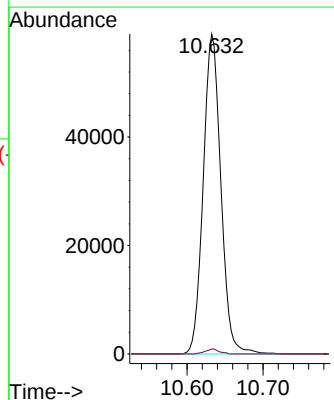
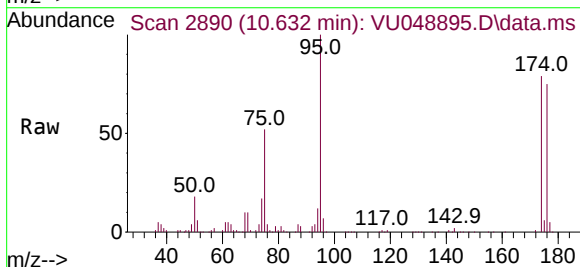
Instrument : MSVOA_U
ClientSampleId : 20220422-SPLP-AMENDED-COMPOSITE-BRE

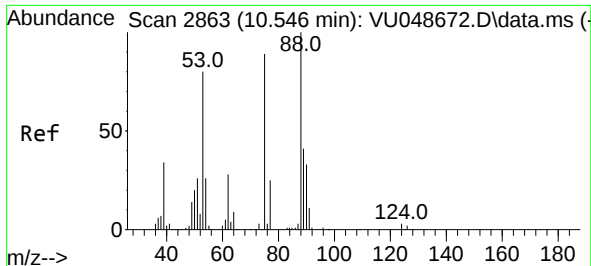
Tgt Ion: 43	Resp: 73
Ion Ratio	Lower Upper
43 100	
70 0.0	35.8 53.6#
55 0.0	21.1 31.7#
61 0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 18.346 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048895.D
Acq: 06 Jun 2022 20:14

Tgt Ion: 75	Resp: 94905
Ion Ratio	Lower Upper
75 100	
77 1.2	14.8 44.3#

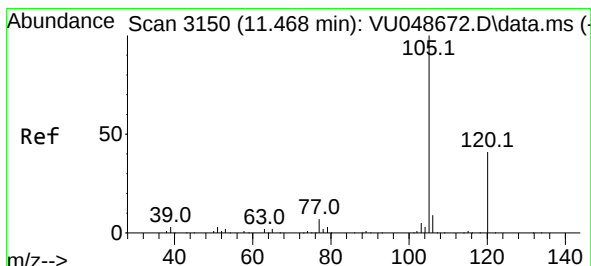
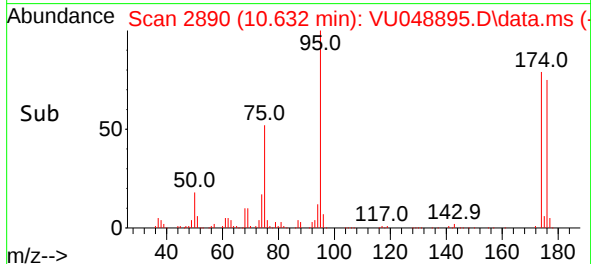
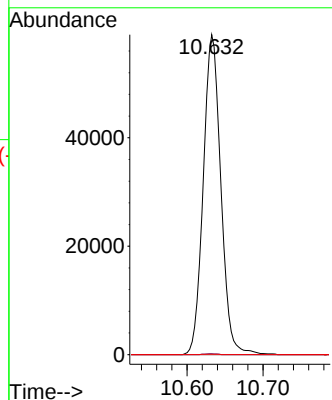
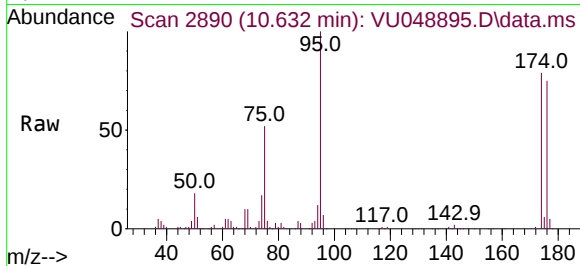




#81
trans-1,4-Dichloro-2-butene
Concen: 66.612 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048895.D
Acq: 06 Jun 2022 20:14

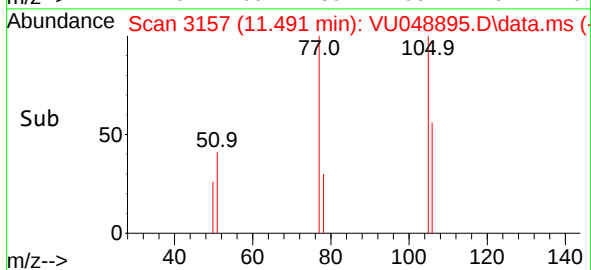
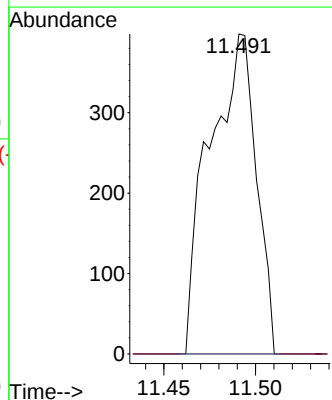
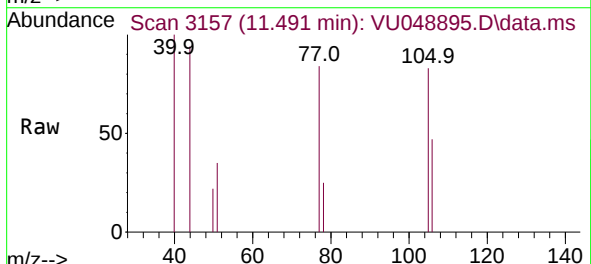
Instrument : MSVOA_U
ClientSampleId : 20220422-SPLP-AMENDED-COMPOSITE-BRE

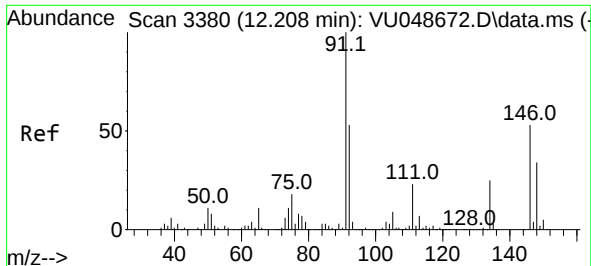
Tgt Ion: 75 Resp: 94905
Ion Ratio Lower Upper
75 100
53 0.2 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.258 ug/l
RT: 11.491 min Scan# 3157
Delta R.T. 0.023 min
Lab File: VU048895.D
Acq: 06 Jun 2022 20:14

Tgt Ion: 105 Resp: 702
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#





#89

n-Butylbenzene

Concen: 2.189 ug/l

RT: 12.205 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU048895.D

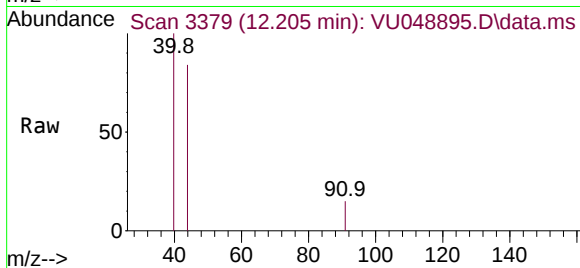
Acq: 06 Jun 2022 20:14

Instrument :

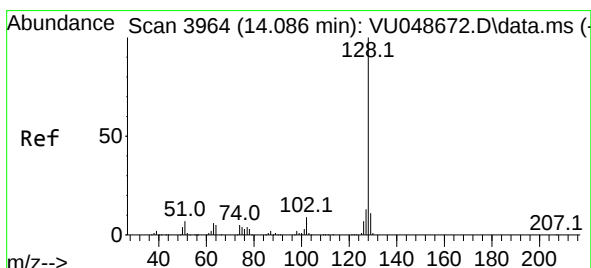
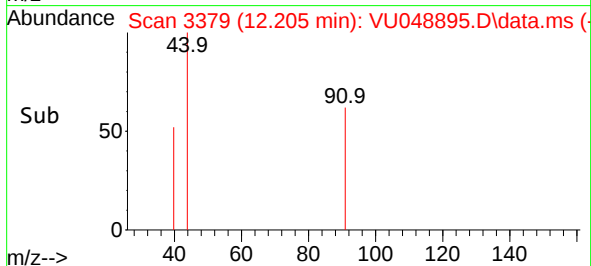
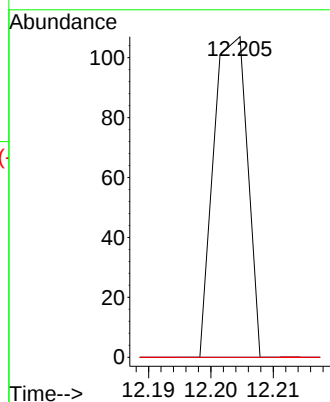
MSVOA_U

ClientSampleId :

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Tgt Ion:	91	Resp:	40
Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.9	77.8#
134	0.0	12.5	37.5#



#95

Naphthalene

Concen: 2.645 ug/l

RT: 14.105 min Scan# 3970

Delta R.T. 0.019 min

Lab File: VU048895.D

Acq: 06 Jun 2022 20:14

Tgt Ion:	128	Resp:	1501
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	8.7	13.1#

