

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060222\
 Data File : VU048808.D
 Acq On : 02 Jun 2022 16:59
 Operator : SY/MD
 Sample : N3143-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 20220427-SPLP-AMENDED-SB-8-(DISCRETE-COMP-G)

Quant Time: Jun 03 01:16:56 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

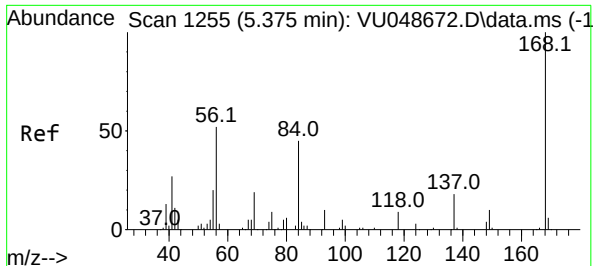
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.372	168	354153	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	565145	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	531276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	246491	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	237961	44.740	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.480%
35) Dibromofluoromethane	5.288	113	68170	16.908	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	33.820%#
50) Toluene-d8	7.896	98	683045	47.260	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.520%
62) 4-Bromofluorobenzene	10.632	95	247045	45.197	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.400%
Target Compounds						
					Qvalue	
5) Bromomethane	1.826	94	609	Below Cal		85
6) Chloroethane	1.999	64	637	Below Cal		99
10) Methyl Iodide	2.716	142	346	3.062 ug/l #		44
11) Tert butyl alcohol	3.189	59	11800	8.751 ug/l #		29
13) Acrolein	2.482	56	494	Below Cal		89
16) Acetone	2.623	43	59138	21.818 ug/l		99
17) Carbon Disulfide	2.784	76	3346	0.318 ug/l #		89
20) Methylene Chloride	3.041	84	6662	1.445 ug/l		95
25) 2-Butanone	4.707	43	16608	4.265 ug/l		99
27) cis-1,2-Dichloroethene	4.668	96	9148	1.917 ug/l		91
31) Cyclohexane	5.372	56	7066	1.054 ug/l #		1
36) 1,1-Dichloropropene	5.369	75	28532	4.849 ug/l #		50
37) Ethyl Acetate	4.707	43	16608	2.233 ug/l #		68
38) Carbon Tetrachloride	5.369	117	36566	5.416 ug/l #		16
44) Trichloroethene	6.539	130	2809	0.628 ug/l		82
51) 4-Methyl-2-Pentanone	7.796	43	4129	0.589 ug/l		87
64) Tetrachloroethene	8.555	164	21	Below Cal #		82
74) N-amyl acetate	10.327	43	93	2.478 ug/l #		41
76) 1,2,3-Trichloropropane	10.632	75	123500	15.540 ug/l #		47
81) trans-1,4-Dichloro-2-b...	10.632	75	123500	56.422 ug/l #		13
84) 1,2,4-Trimethylbenzene	11.472	105	6673	1.624 ug/l		85
85) sec-Butylbenzene	11.472	105	6673	0.402 ug/l #		58
89) n-Butylbenzene	12.208	91	504	2.219 ug/l #		77
95) Naphthalene	14.089	128	149826	9.864 ug/l		100

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

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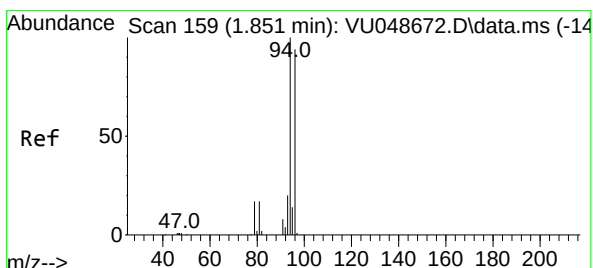
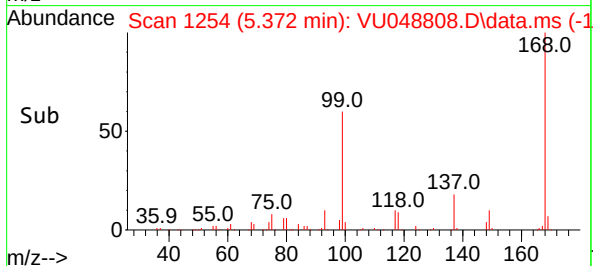
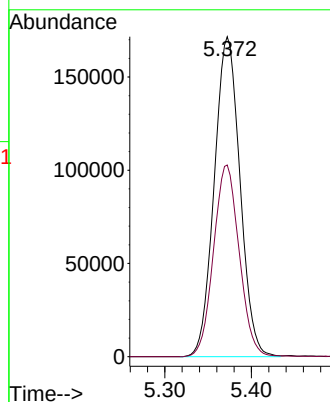
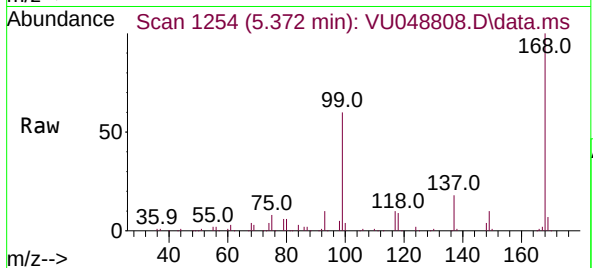




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048808.D
Acq: 02 Jun 2022 16:59

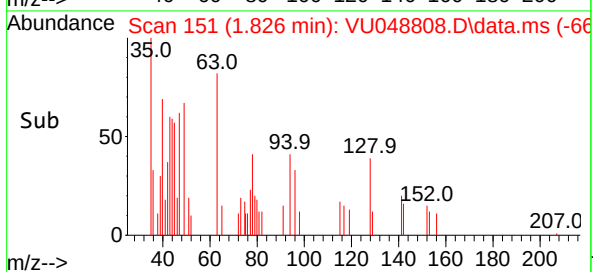
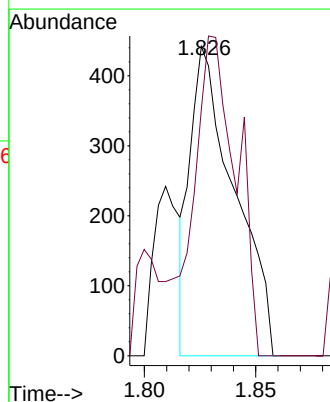
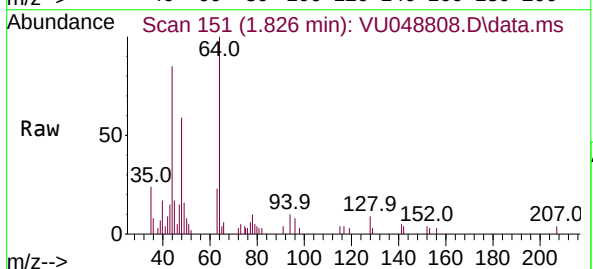
Instrument : MSVOA_U
ClientSampleId : 20220427-SPLP-AMENDED-SB-8-(DISCRETE-COMP-G)

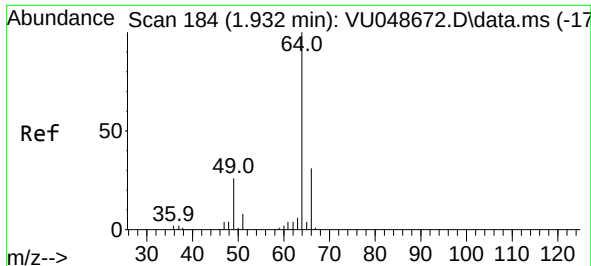
Tgt Ion:168 Resp: 354153
Ion Ratio Lower Upper
168 100
99 59.9 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 1.826 min Scan# 151
Delta R.T. -0.025 min
Lab File: VU048808.D
Acq: 02 Jun 2022 16:59

Tgt Ion: 94 Resp: 609
Ion Ratio Lower Upper
94 100
96 79.6 75.1 112.7

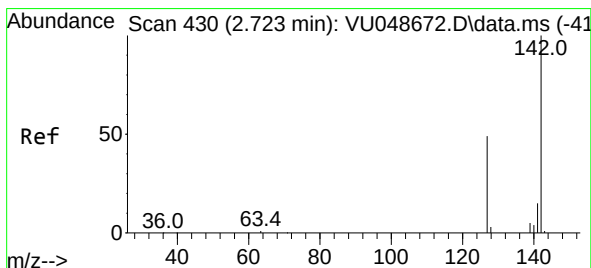
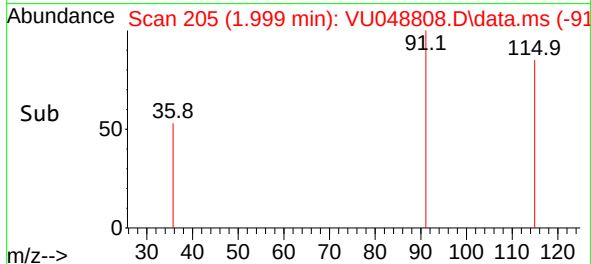
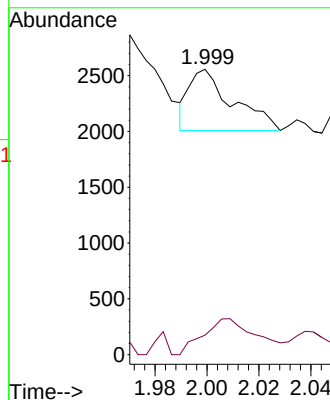
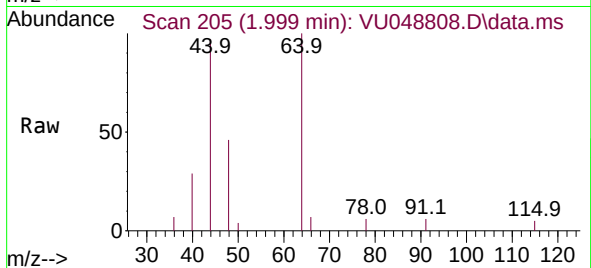




#6
Chloroethane
Concen: Below Cal
RT: 1.999 min Scan# 205
Delta R.T. 0.067 min
Lab File: VU048808.D
Acq: 02 Jun 2022 16:59

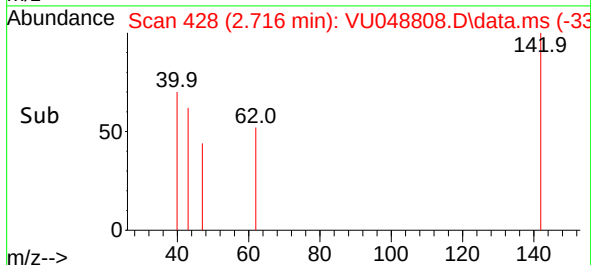
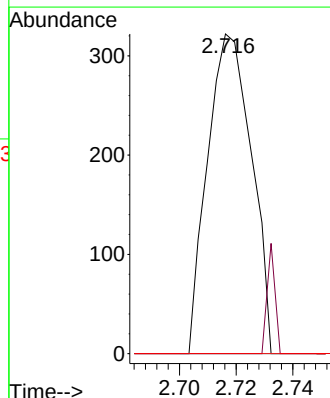
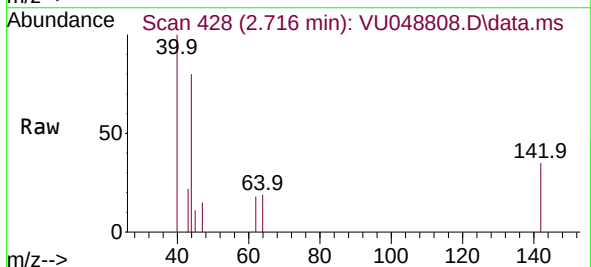
Instrument : MSVOA_U
ClientSampleId : 20220427-SPLP-AMENDED-SB-8-(DISCRETE-COMP-G)

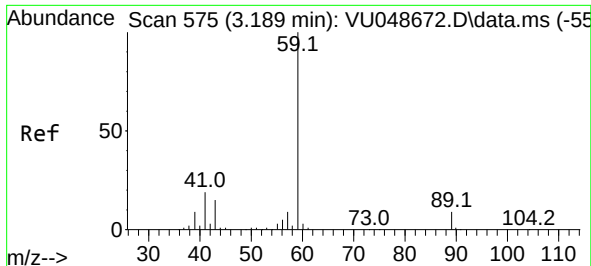
Tgt Ion: 64 Resp: 637
Ion Ratio Lower Upper
64 100
66 31.8 25.2 37.8



#10
Methyl Iodide
Concen: 3.062 ug/l
RT: 2.716 min Scan# 428
Delta R.T. -0.007 min
Lab File: VU048808.D
Acq: 02 Jun 2022 16:59

Tgt Ion: 142 Resp: 346
Ion Ratio Lower Upper
142 100
127 6.1 38.4 57.6#
141 0.0 11.5 17.3#





#11

Tert butyl alcohol

Concen: 8.751 ug/l

RT: 3.189 min Scan# 51

Delta R.T. -0.000 min

Lab File: VU048808.D

Acq: 02 Jun 2022 16:59

Instrument :

MSVOA_U

ClientSampleId :

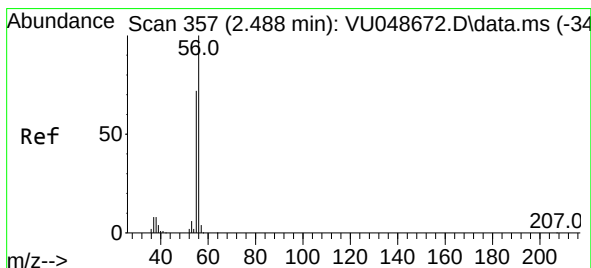
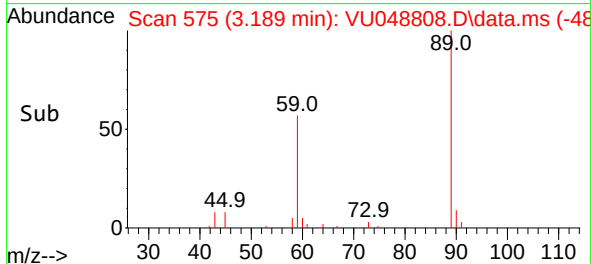
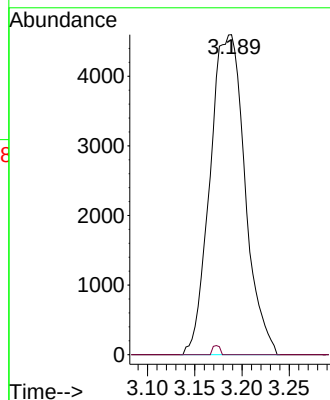
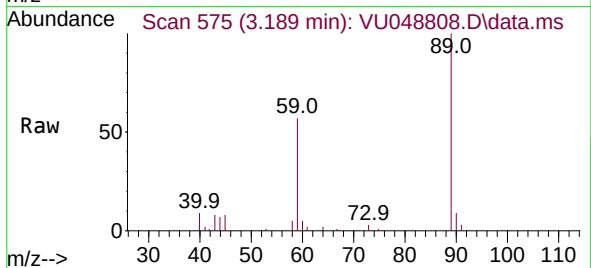
20220427-SPLP-AMENDED-SB-8-(DISCRETE-COMP-G)

Tgt Ion: 59 Resp: 11800

Ion Ratio Lower Upper

59 100

57 0.6 39.7 59.5#



#13

Acrolein

Concen: Below Cal

RT: 2.482 min Scan# 355

Delta R.T. -0.006 min

Lab File: VU048808.D

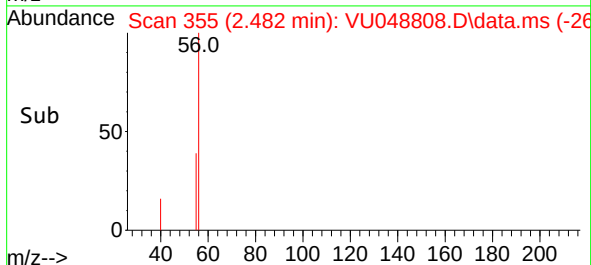
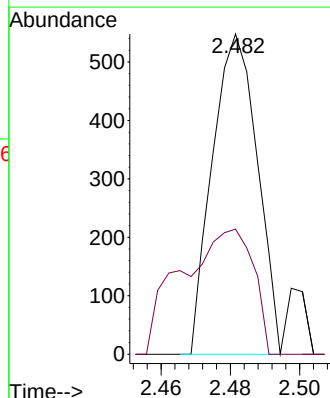
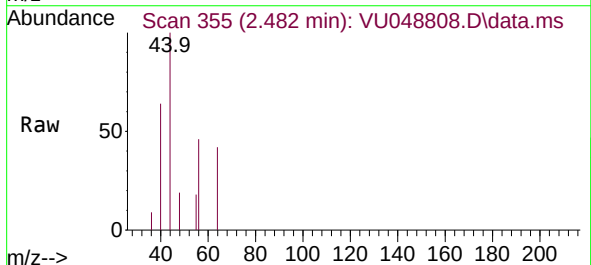
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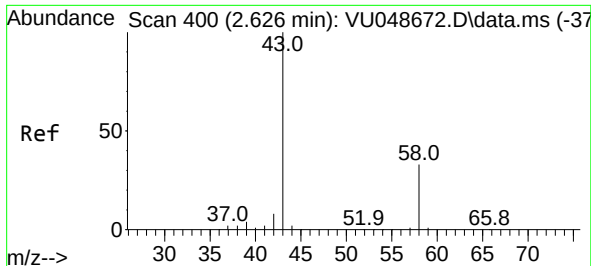
Tgt Ion: 56 Resp: 494

Ion Ratio Lower Upper

56 100

55 62.8 57.7 86.5

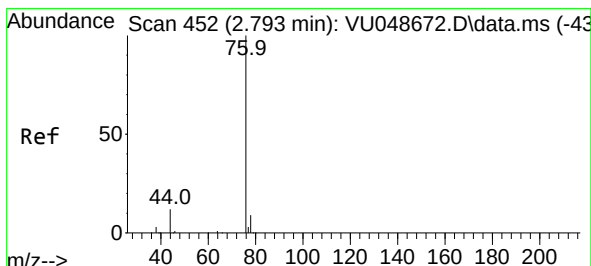
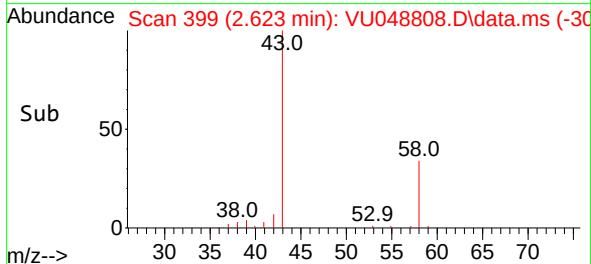
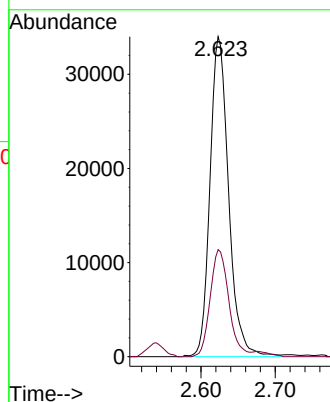
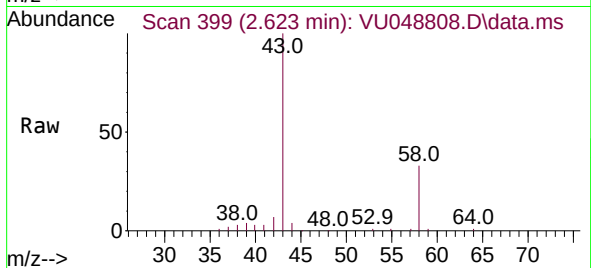




#16
Acetone
Concen: 21.818 ug/l
RT: 2.623 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU048808.D
Acq: 02 Jun 2022 16:59

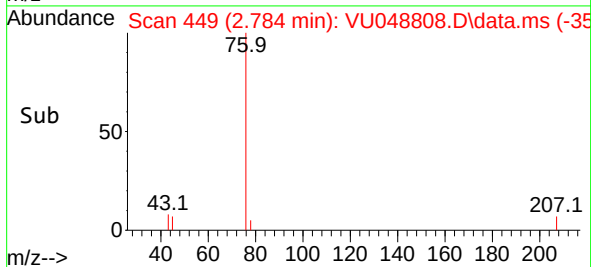
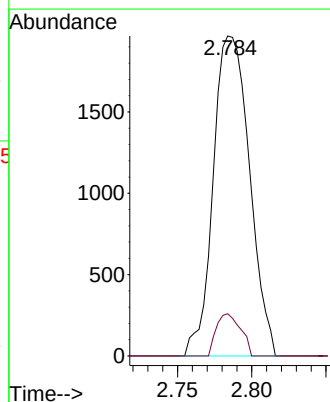
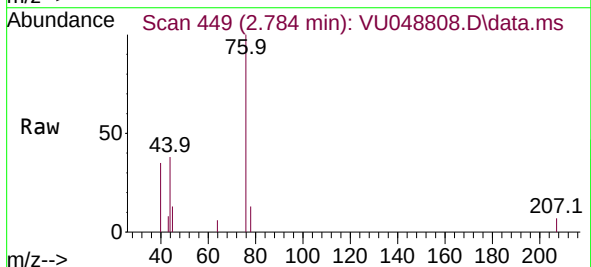
Instrument : MSVOA_U
ClientSampleId : 20220427-SPLP-AMENDED-SB-8-(DISCRETE-COMP-G)

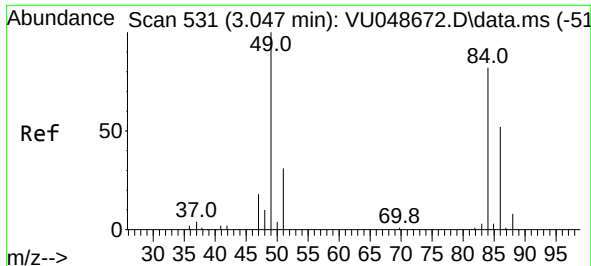
Tgt Ion: 43 Resp: 59138
Ion Ratio Lower Upper
43 100
58 33.5 26.3 39.5



#17
Carbon Disulfide
Concen: 0.318 ug/l
RT: 2.784 min Scan# 449
Delta R.T. -0.010 min
Lab File: VU048808.D
Acq: 02 Jun 2022 16:59

Tgt Ion: 76 Resp: 3346
Ion Ratio Lower Upper
76 100
78 13.2 7.3 10.9#

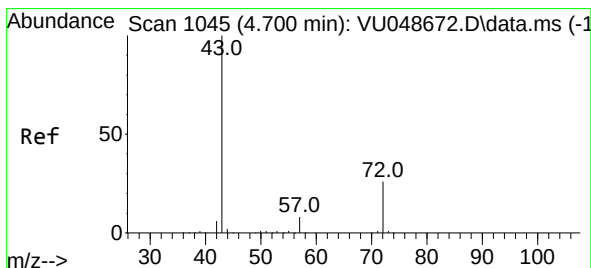
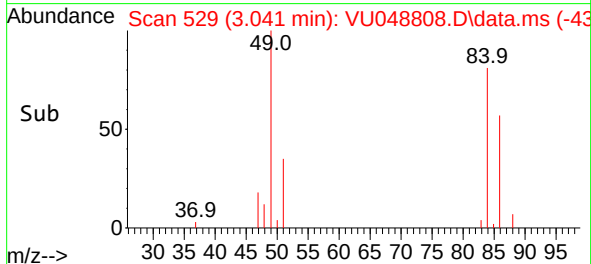
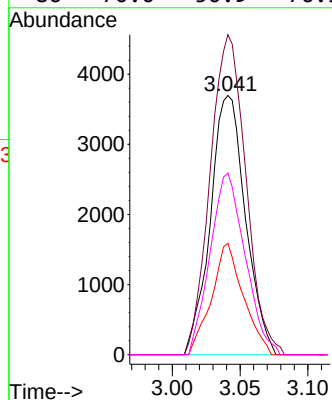
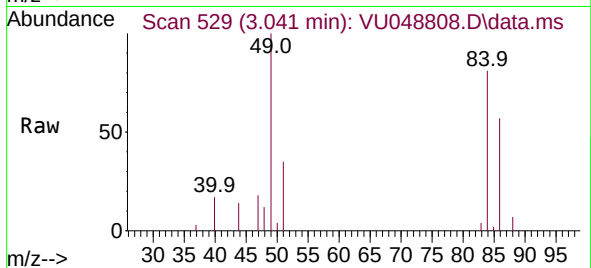




#20
Methylene Chloride
Concen: 1.445 ug/l
RT: 3.041 min Scan# 51
Delta R.T. -0.006 min
Lab File: VU048808.D
Acq: 02 Jun 2022 16:59

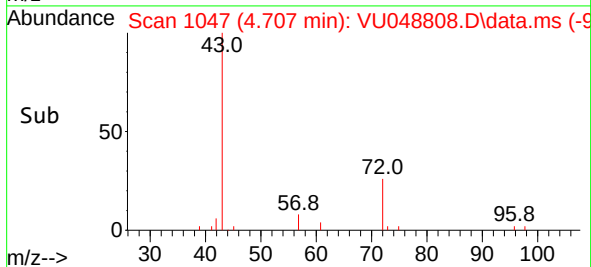
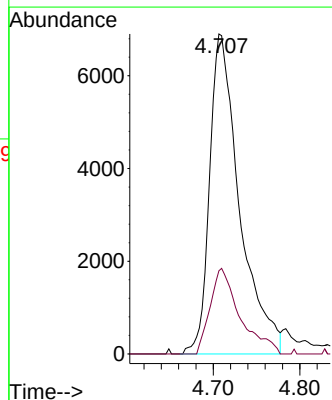
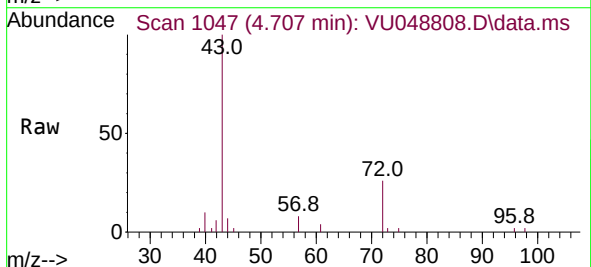
Instrument : MSVOA_U
ClientSampleId : 20220427-SPLP-AMENDED-SB-8-(DISCRETE-COMP-G)

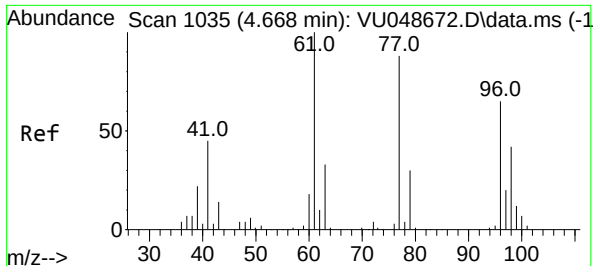
Tgt Ion:	84	Resp:	6662
Ion	Ratio	Lower	Upper
84	100		
49	123.4	97.0	145.4
51	43.0	29.8	44.8
86	70.0	50.9	76.3



#25
2-Butanone
Concen: 4.265 ug/l
RT: 4.707 min Scan# 1047
Delta R.T. 0.006 min
Lab File: VU048808.D
Acq: 02 Jun 2022 16:59

Tgt Ion:	43	Resp:	16608
Ion	Ratio	Lower	Upper
43	100		
72	26.0	21.1	31.7

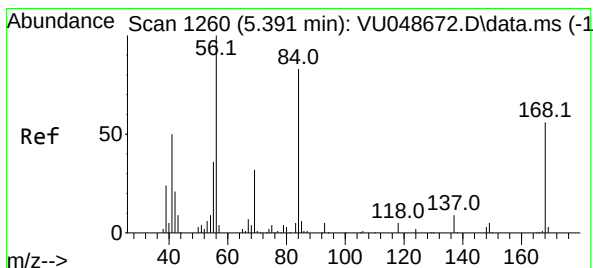
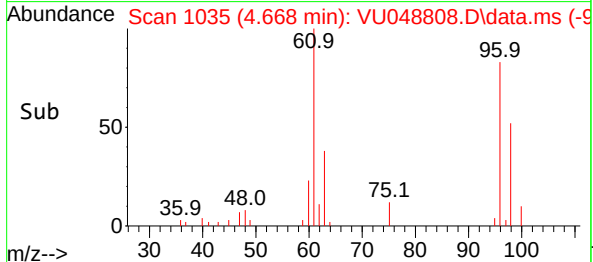
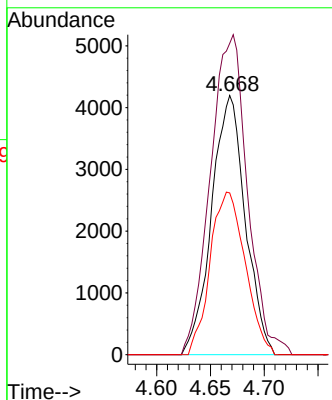
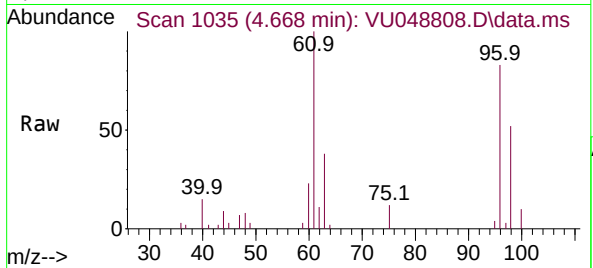




#27
 cis-1,2-Dichloroethene
 Concen: 1.917 ug/l
 RT: 4.668 min Scan# 1035
 Delta R.T. -0.000 min
 Lab File: VU048808.D
 Acq: 02 Jun 2022 16:59

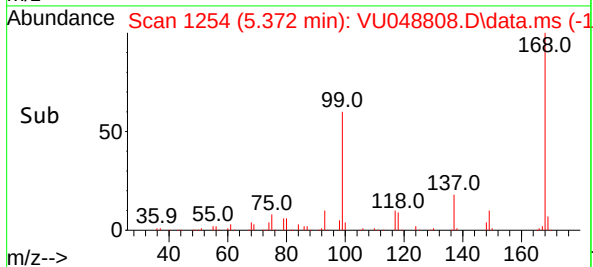
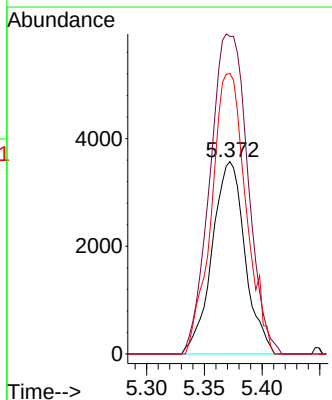
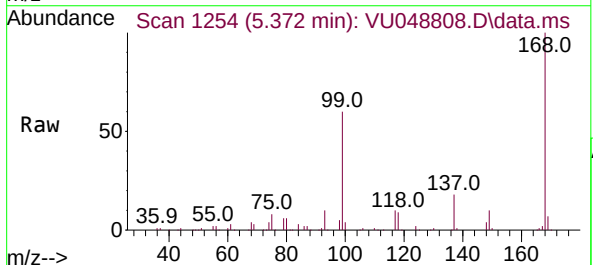
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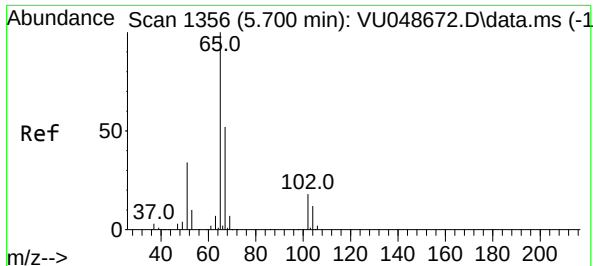
Tgt Ion: 96	Resp: 9148
Ion Ratio	Lower Upper
96 100	
61 136.2	0.0 306.2
98 65.1	0.0 130.4



#31
 Cyclohexane
 Concen: 1.054 ug/l
 RT: 5.372 min Scan# 1254
 Delta R.T. -0.019 min
 Lab File: VU048808.D
 Acq: 02 Jun 2022 16:59

Tgt Ion: 56	Resp: 7066		
Ion Ratio	Lower	Upper	
56	100		
69	165.1	25.6	38.4#
84	145.8	66.2	99.4#





#33

1,2-Dichloroethane-d4

Concen: 44.740 ug/l

RT: 5.700 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048808.D

Acq: 02 Jun 2022 16:59

Instrument :

MSVOA_U

ClientSampleId :

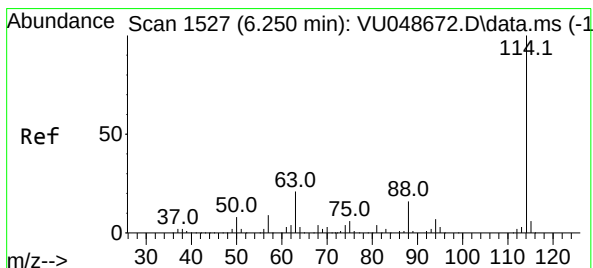
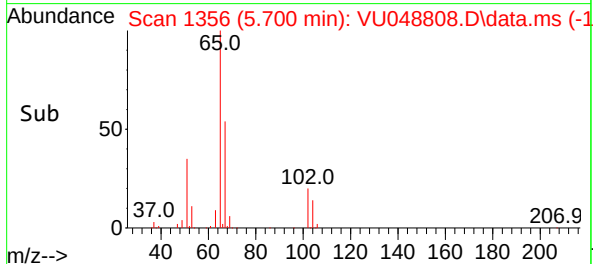
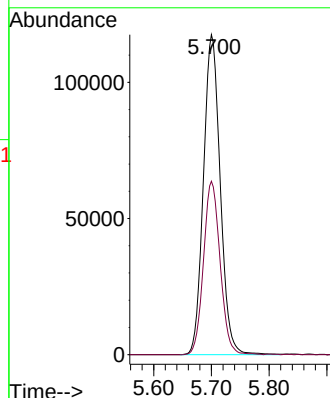
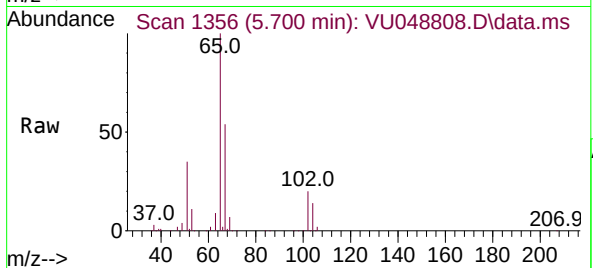
20220427-SPLP-AMENDED-SB-8-(DISCRETE-COMP-G)

Tgt Ion: 65 Resp: 237961

Ion Ratio Lower Upper

65 100

67 53.4 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: VU048808.D

Acq: 02 Jun 2022 16:59

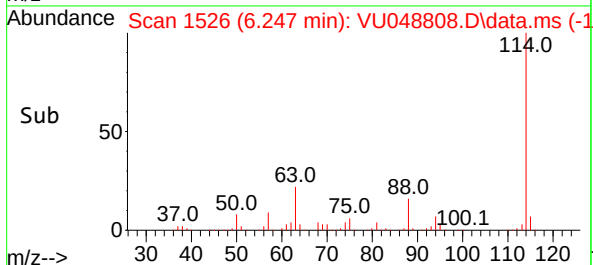
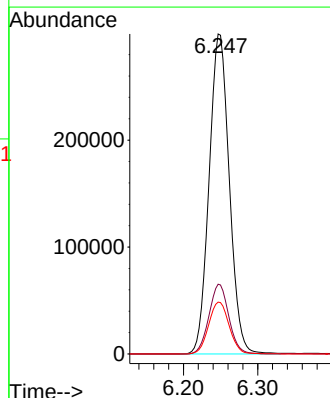
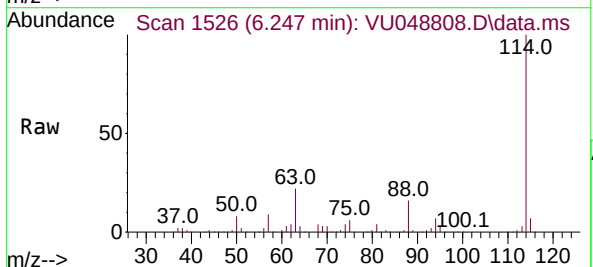
Tgt Ion: 114 Resp: 565145

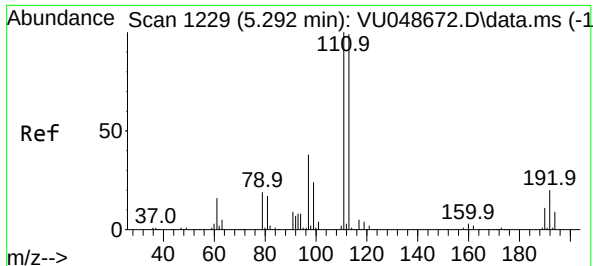
Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.6

88 16.2 0.0 32.2

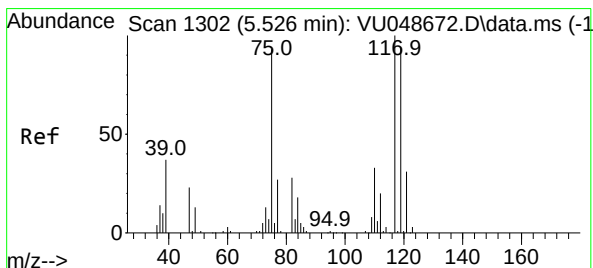
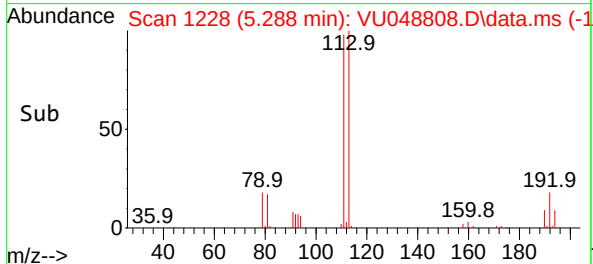
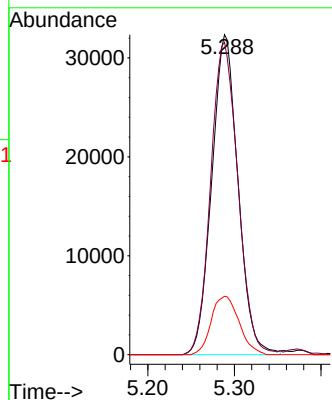
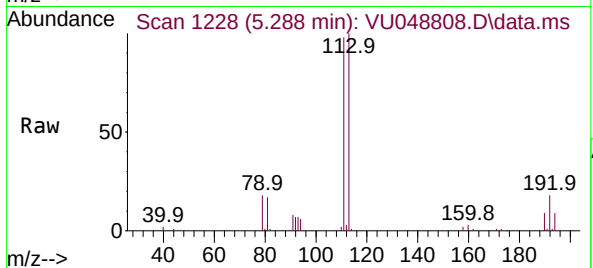




#35
Dibromofluoromethane
Concen: 16.908 ug/l
RT: 5.288 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048808.D
Acq: 02 Jun 2022 16:59

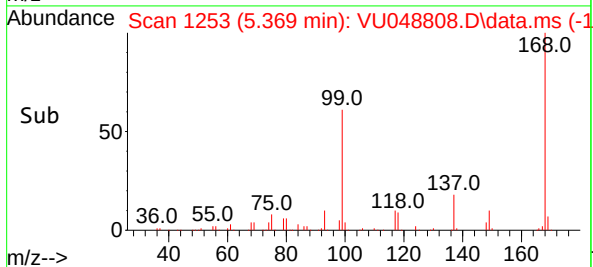
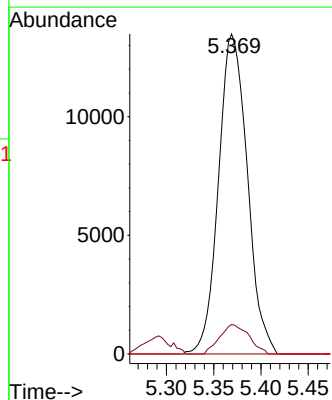
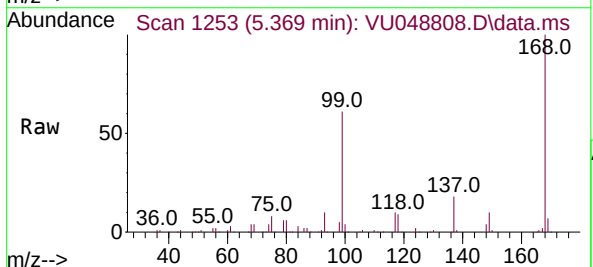
Instrument : MSVOA_U
ClientSampleId : 20220427-SPLP-AMENDED-SB-8-(DISCRETE-COMP-G)

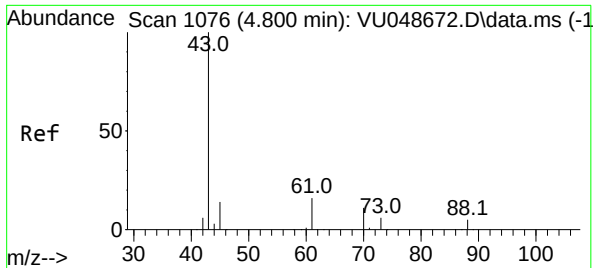
Tgt Ion:113 Resp: 68170
Ion Ratio Lower Upper
113 100
111 101.1 80.7 121.1
192 19.3 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.849 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.158 min
Lab File: VU048808.D
Acq: 02 Jun 2022 16:59

Tgt Ion: 75 Resp: 28532
Ion Ratio Lower Upper
75 100
110 9.3 17.4 52.3#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 2.233 ug/l

RT: 4.707 min Scan# 1

Delta R.T. -0.093 min

Lab File: VU048808.D

Acq: 02 Jun 2022 16:59

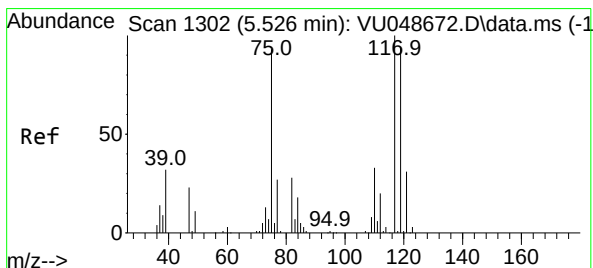
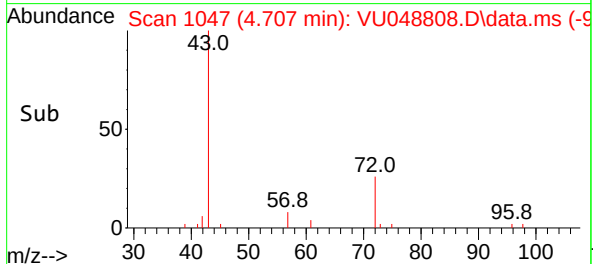
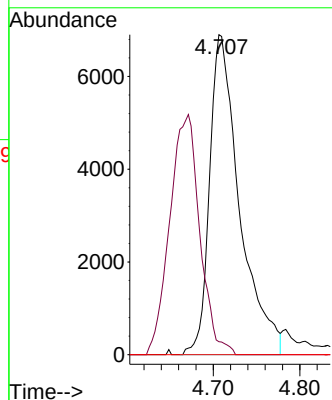
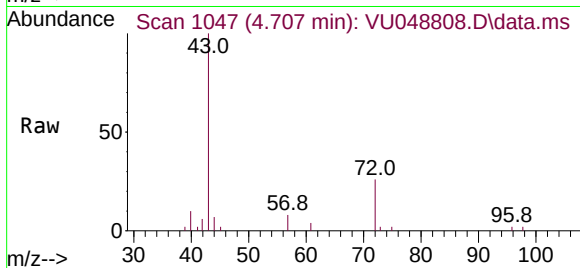
Instrument :

MSVOA_U

ClientSampleId :

20220427-SPLP-AMENDED-SB-8-(DISCRETE-COMP-G)

Tgt Ion: 43	Resp:	16608
Ion	Ratio	Lower Upper
43	100	
61	0.0	11.7 17.5#
70	0.0	8.4 12.6#



#38

Carbon Tetrachloride

Concen: 5.416 ug/l

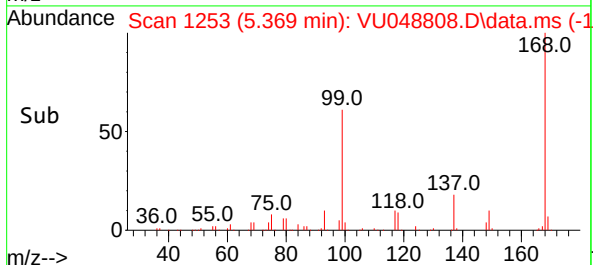
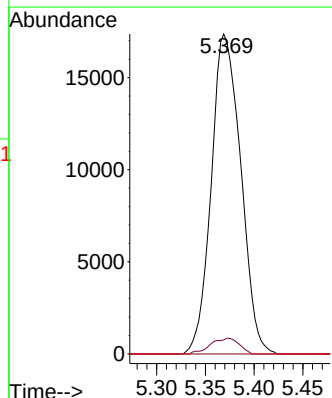
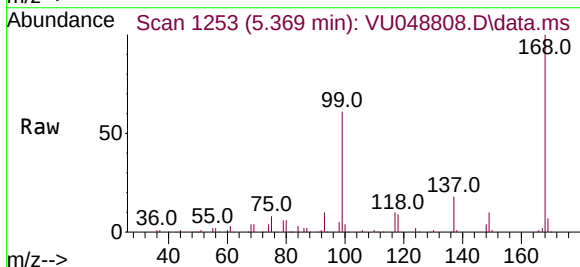
RT: 5.369 min Scan# 1253

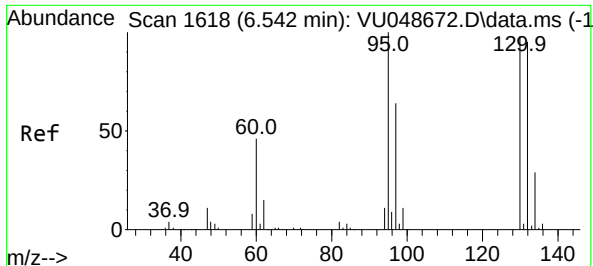
Delta R.T. -0.158 min

Lab File: VU048808.D

Acq: 02 Jun 2022 16:59

Tgt Ion: 117	Resp:	36566
Ion	Ratio	Lower Upper
117	100	
119	4.4	75.4 113.2#
121	0.0	24.6 36.8#

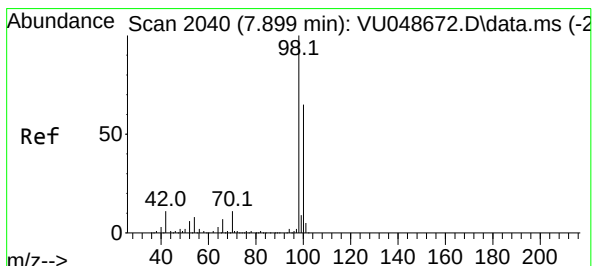
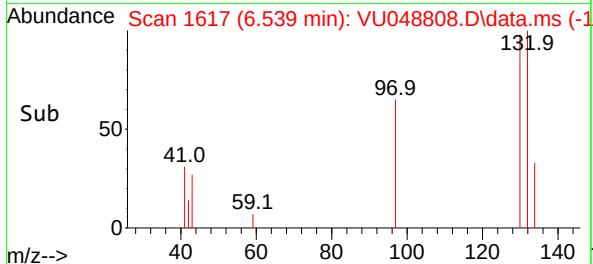
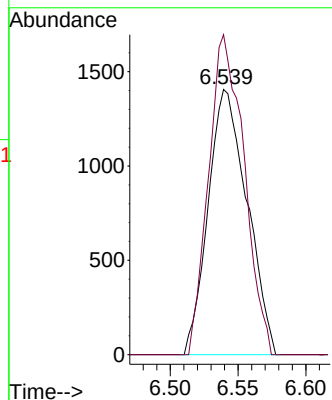
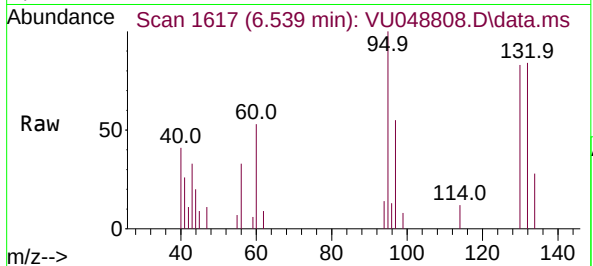




#44
Trichloroethene
Concen: 0.628 ug/l
RT: 6.539 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU048808.D
Acq: 02 Jun 2022 16:59

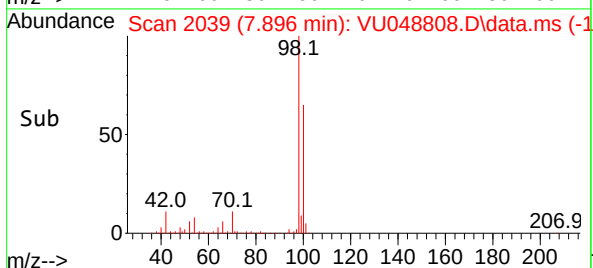
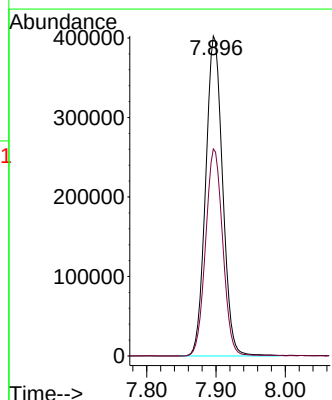
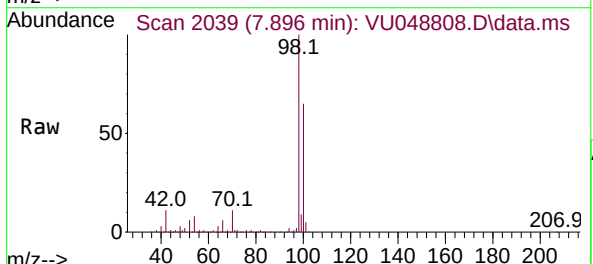
Instrument :
MSVOA_U
ClientSampleId :
20220427-SPLP-AMENDED-SB-8-(DISCRETE-COMP-G)

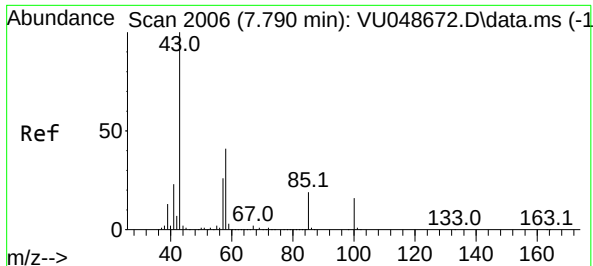
Tgt Ion:130 Resp: 2809
Ion Ratio Lower Upper
130 100
95 120.6 0.0 204.8



#50
Toluene-d8
Concen: 47.260 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. -0.003 min
Lab File: VU048808.D
Acq: 02 Jun 2022 16:59

Tgt Ion: 98 Resp: 683045
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 0.589 ug/l

RT: 7.796 min Scan# 2008

Delta R.T. 0.006 min

Lab File: VU048808.D

Acq: 02 Jun 2022 16:59

Instrument :

MSVOA_U

ClientSampleId :

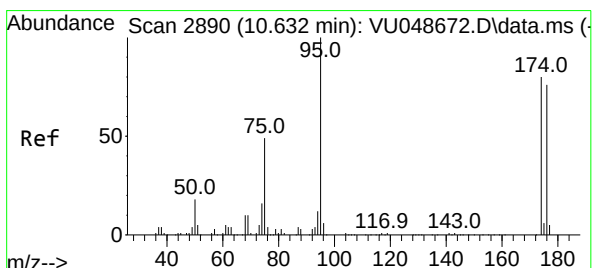
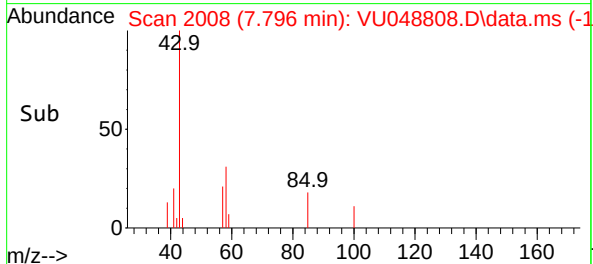
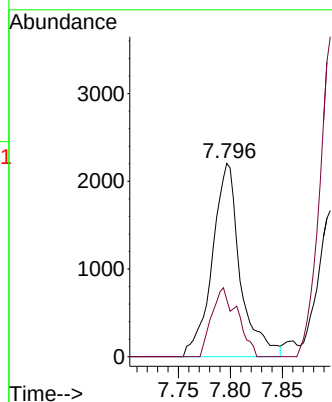
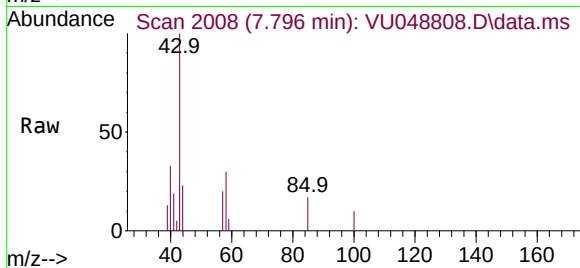
20220427-SPLP-AMENDED-SB-8-(DISCRETE-COMP-G)

Tgt Ion: 43 Resp: 4129

Ion Ratio Lower Upper

43 100

58 32.9 32.7 49.1



#62

4-Bromofluorobenzene

Concen: 45.197 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. -0.000 min

Lab File: VU048808.D

Acq: 02 Jun 2022 16:59

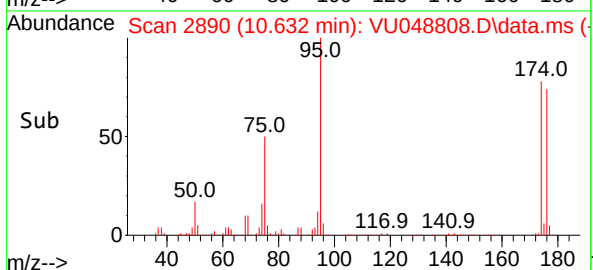
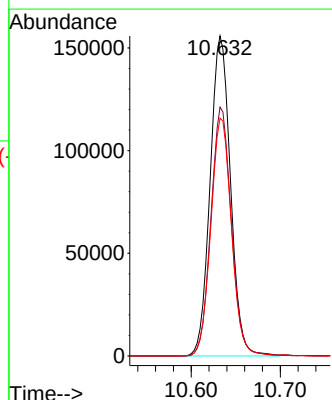
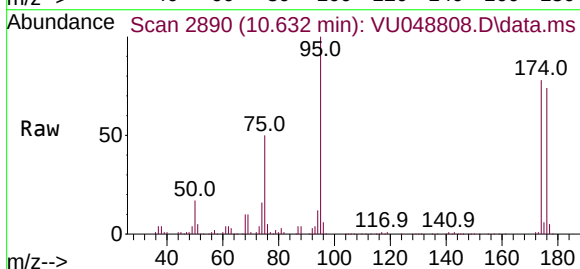
Tgt Ion: 95 Resp: 247045

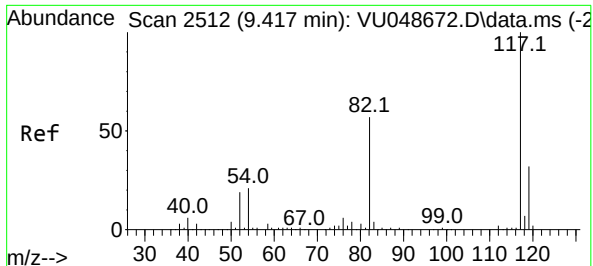
Ion Ratio Lower Upper

95 100

174 78.2 0.0 159.4

176 75.3 0.0 152.4

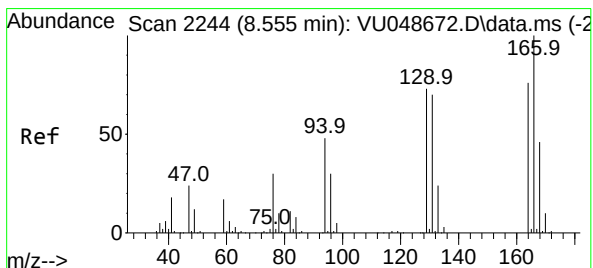
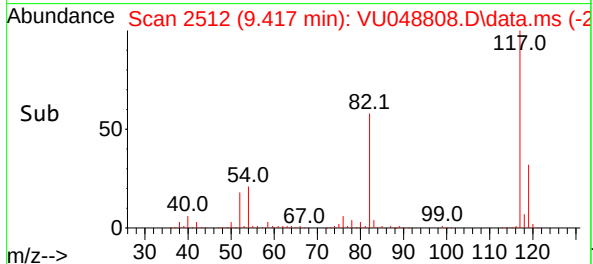
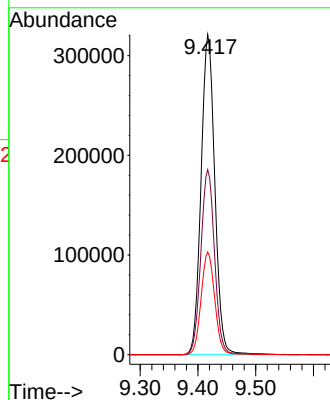
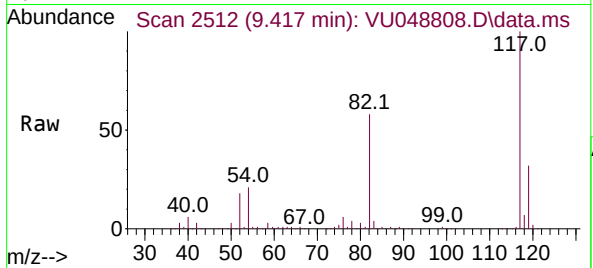




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048808.D
Acq: 02 Jun 2022 16:59

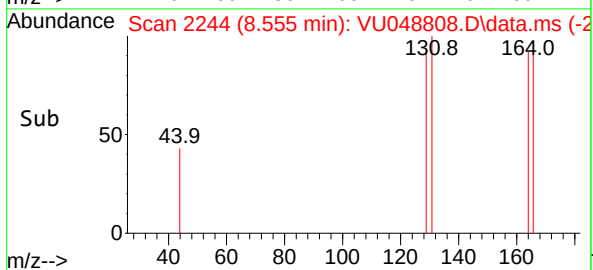
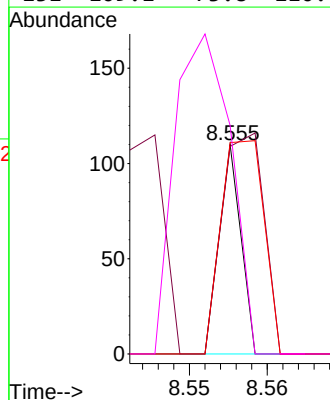
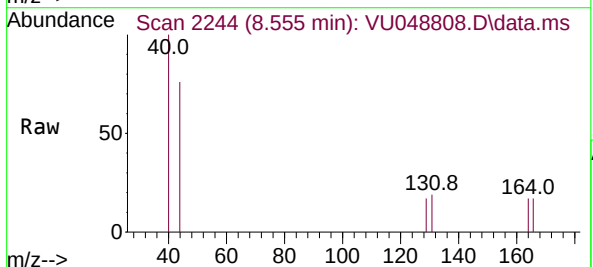
Instrument : MSVOA_U
ClientSampleId : 20220427-SPLP-AMENDED-SB-8-(DISCRETE-COMP-G)

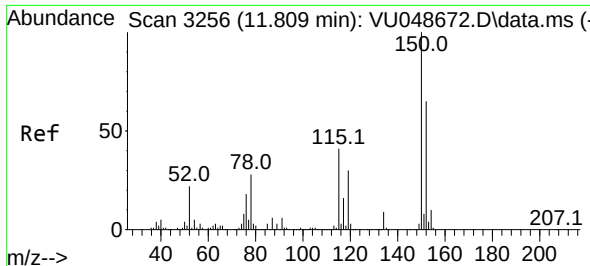
Tgt Ion:117 Resp: 531276
Ion Ratio Lower Upper
117 100
82 57.8 45.3 67.9
119 32.1 25.4 38.2



#64
Tetrachloroethene
Concen: Below Cal
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU048808.D
Acq: 02 Jun 2022 16:59

Tgt Ion:164 Resp: 21
Ion Ratio Lower Upper
164 100
166 99.1 105.0 157.4#
129 100.9 76.5 114.7
131 109.1 73.8 110.6

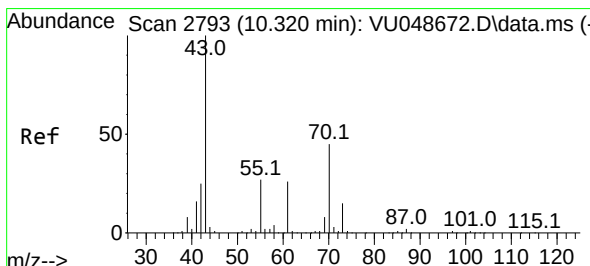
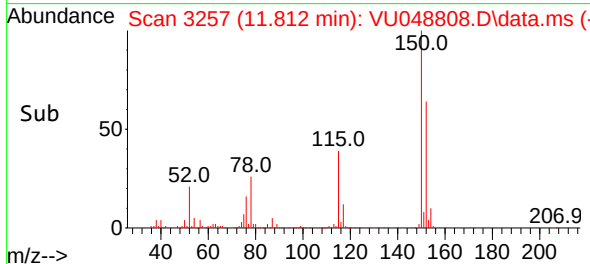
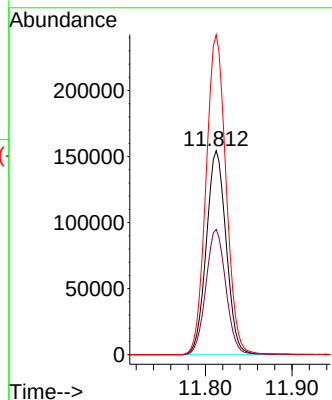
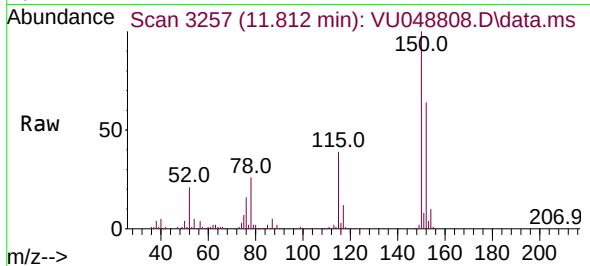




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU048808.D
 Acq: 02 Jun 2022 16:59

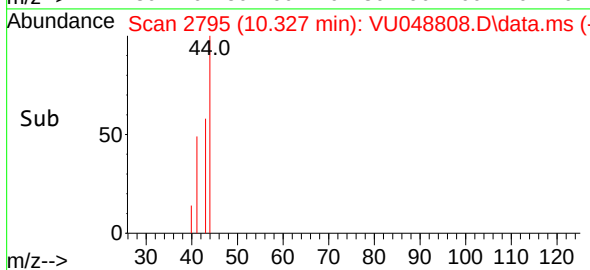
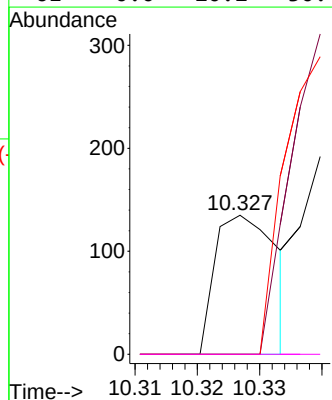
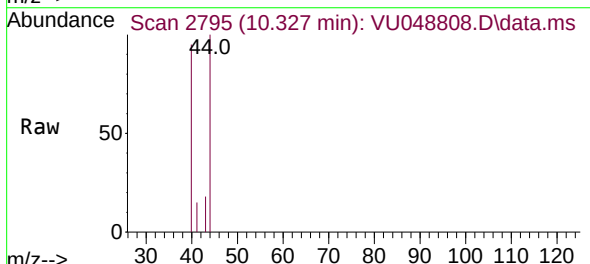
Instrument : MSVOA_U
 ClientSampleId : 20220427-SPLP-AMENDED-SB-8-(DISCRETE-COMP-G)

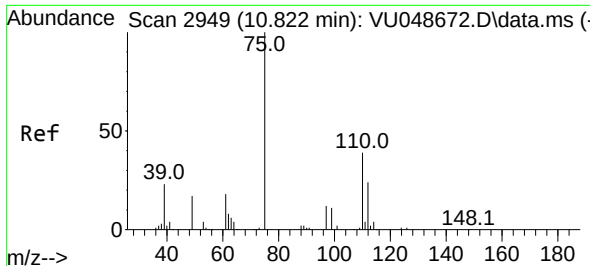
Tgt Ion:152 Resp: 246491
 Ion Ratio Lower Upper
 152 100
 115 61.7 41.8 125.4
 150 158.1 0.0 341.0



#74
 N-ethyl acetate
 Concen: 2.478 ug/l
 RT: 10.327 min Scan# 2795
 Delta R.T. 0.007 min
 Lab File: VU048808.D
 Acq: 02 Jun 2022 16:59

Tgt Ion: 43 Resp: 93
 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#

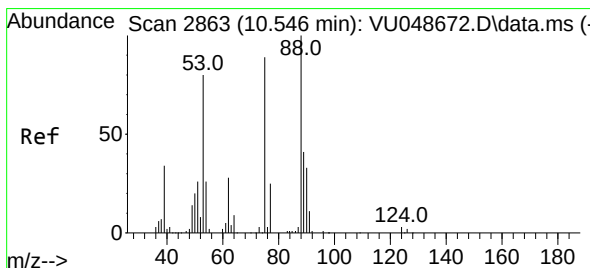
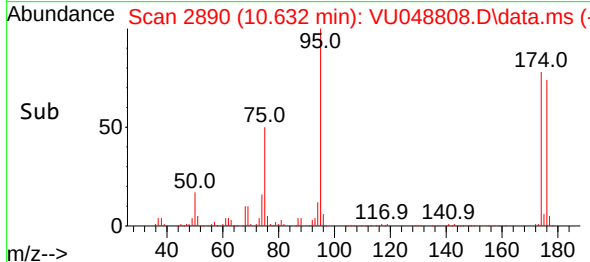
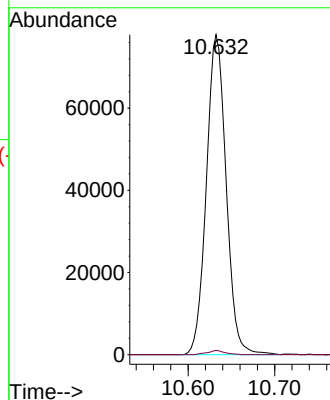
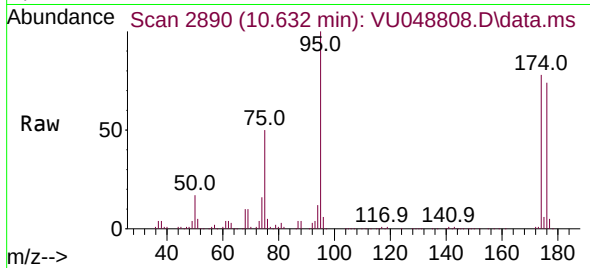




#76
1,2,3-Trichloropropane
Concen: 15.540 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048808.D
Acq: 02 Jun 2022 16:59

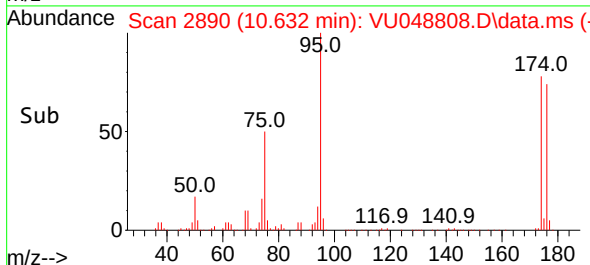
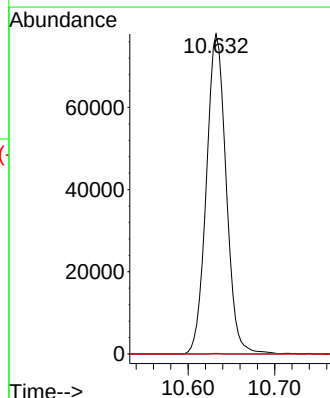
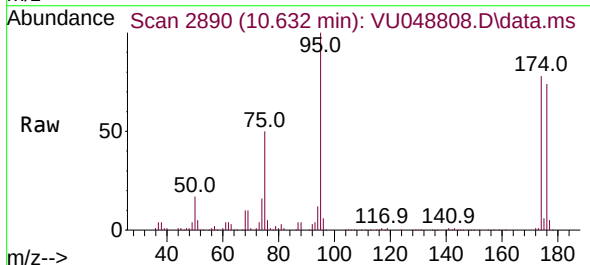
Instrument : MSVOA_U
ClientSampleId : 20220427-SPLP-AMENDED-SB-8-(DISCRETE-COMP-G)

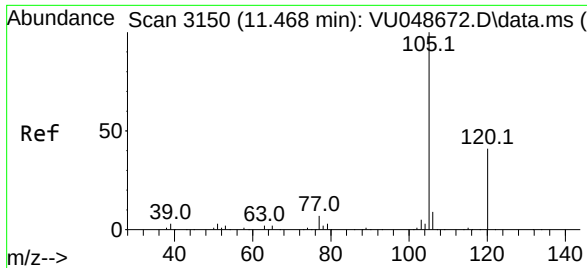
Tgt Ion: 75 Resp: 123500
Ion Ratio Lower Upper
75 100
77 1.2 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.422 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048808.D
Acq: 02 Jun 2022 16:59

Tgt Ion: 75 Resp: 123500
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#

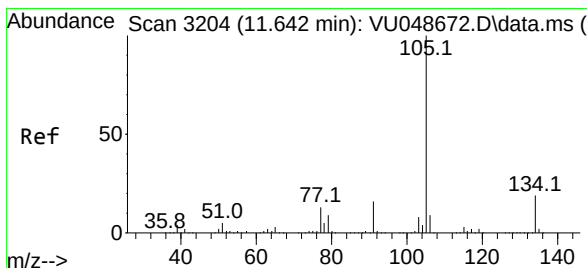
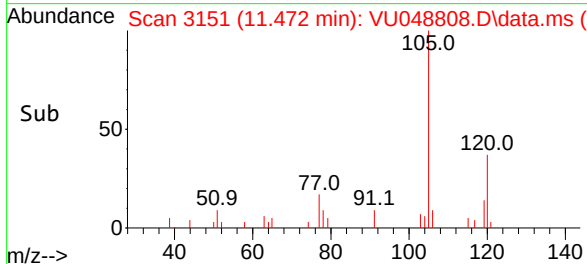
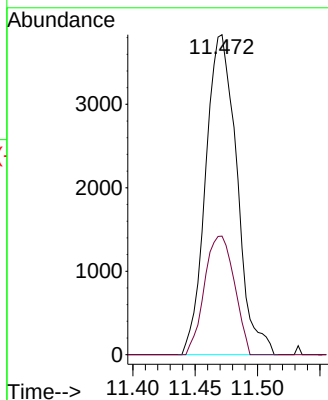
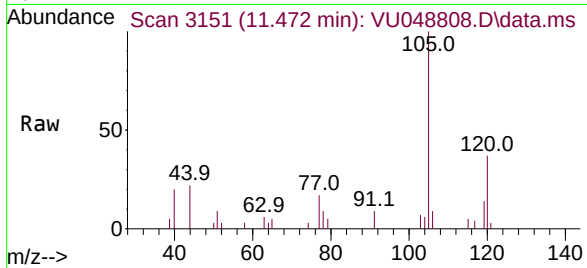




#84
1,2,4-Trimethylbenzene
Concen: 1.624 ug/l
RT: 11.472 min Scan# 3151
Delta R.T. 0.004 min
Lab File: VU048808.D
Acq: 02 Jun 2022 16:59

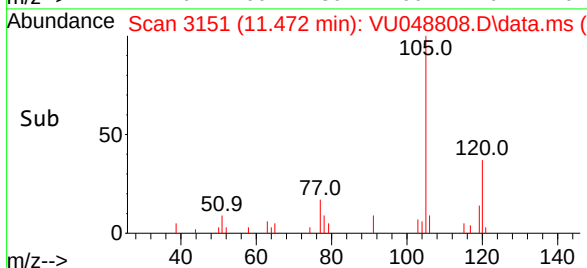
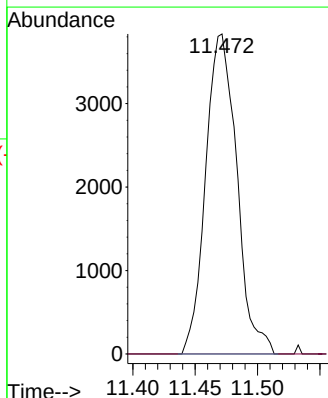
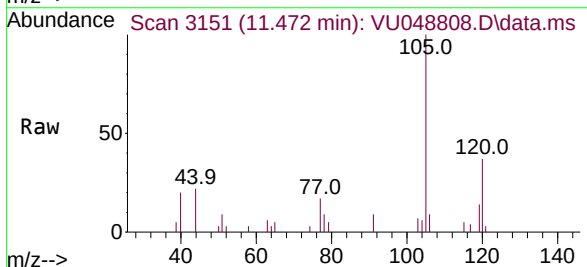
Instrument : MSVOA_U
ClientSampleId : 20220427-SPLP-AMENDED-SB-8-(DISCRETE-COMP-G)

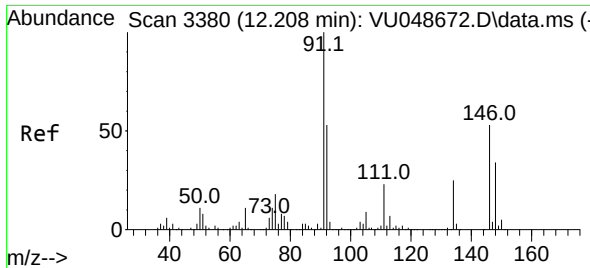
Tgt Ion:105 Resp: 6673
Ion Ratio Lower Upper
105 100
120 35.5 22.5 67.5



#85
sec-Butylbenzene
Concen: 0.402 ug/l
RT: 11.472 min Scan# 3151
Delta R.T. -0.170 min
Lab File: VU048808.D
Acq: 02 Jun 2022 16:59

Tgt Ion:105 Resp: 6673
Ion Ratio Lower Upper
105 100
134 0.0 9.6 28.6#

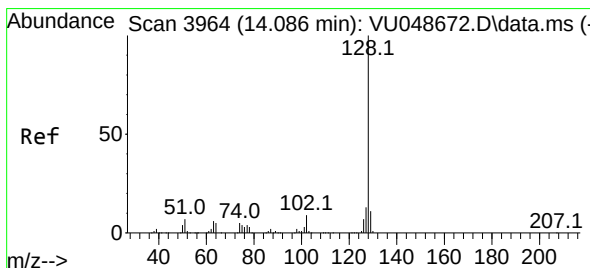
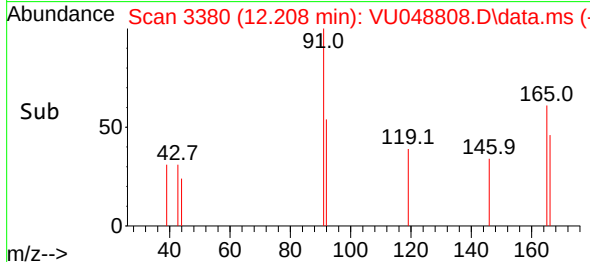
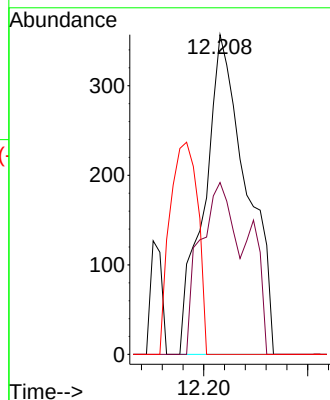
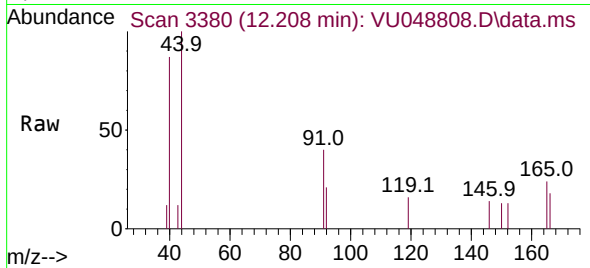




#89
n-Butylbenzene
Concen: 2.219 ug/l
RT: 12.208 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU048808.D
Acq: 02 Jun 2022 16:59

Instrument : MSVOA_U
ClientSampleId : 20220427-SPLP-AMENDED-SB-8-(DISCRETE-COMP-G)

Tgt Ion: 91	Resp:	504
Ion	Ratio	Lower Upper
91	100	
92	44.4	25.9 77.8
134	0.0	12.5 37.5



#95
Naphthalene
Concen: 9.864 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU048808.D
Acq: 02 Jun 2022 16:59

Tgt Ion: 128	Resp:	149826
Ion	Ratio	Lower Upper
128	100	
127	13.0	10.2 15.4
129	10.9	8.7 13.1

