

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060222\
 Data File : VU048810.D
 Acq On : 02 Jun 2022 17:45
 Operator : SY/MD
 Sample : N3112-23
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FB01-20220527

Quant Time: Jun 03 01:17:38 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)

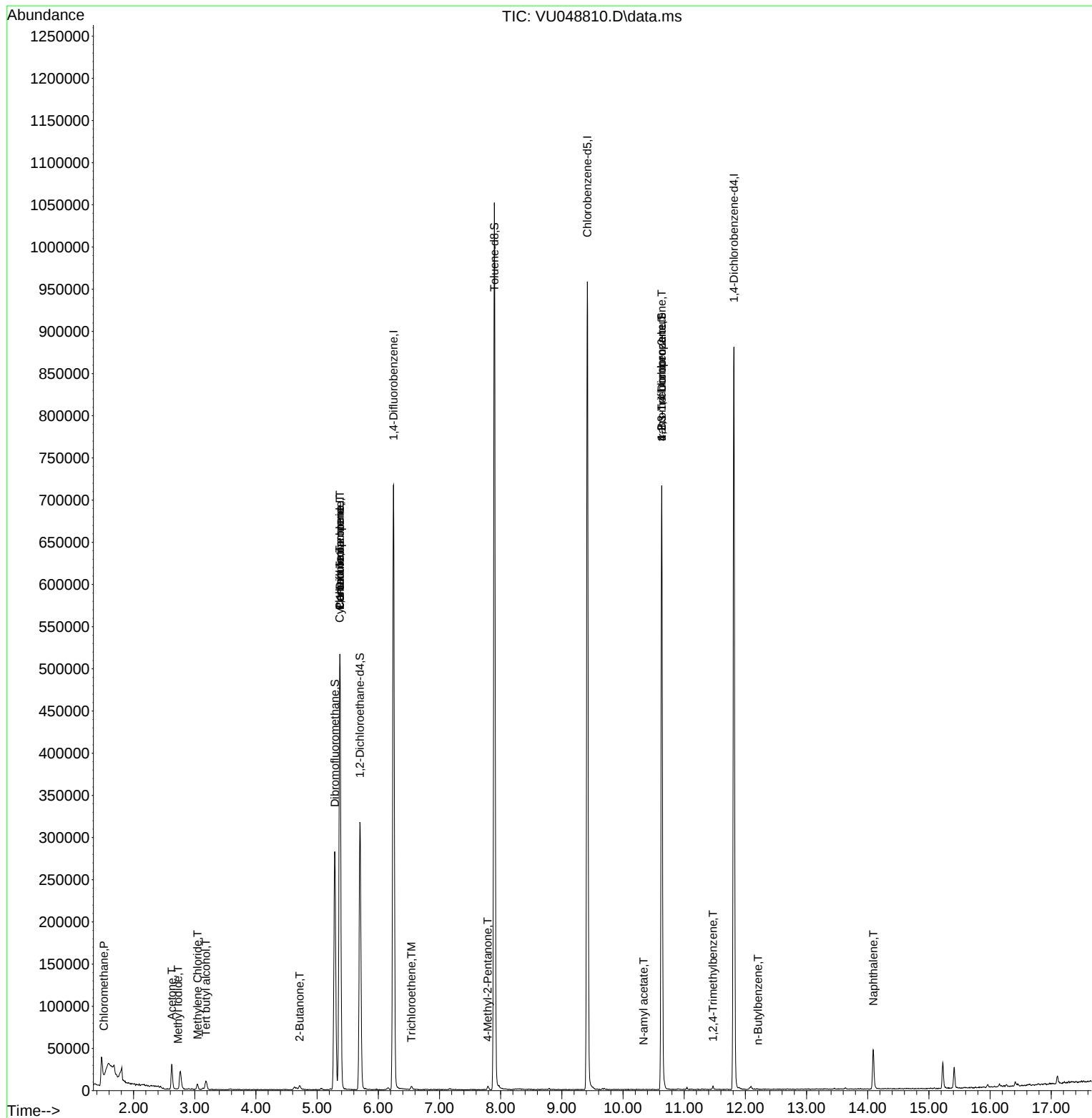
Internal Standards						
1) Pentafluorobenzene	5.372	168	353969	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	583056	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	536073	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	234009	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	239055	44.970	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.940%
35) Dibromofluoromethane	5.289	113	186155	44.753	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.500%
50) Toluene-d8	7.896	98	701476	47.045	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.080%
62) 4-Bromofluorobenzene	10.632	95	247079	43.815	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.620%
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	1307	0.251	ug/l	98
5) Bromomethane	1.839	94	276	Below Cal	#	31
6) Chloroethane	1.916	64	1375	Below Cal	#	43
10) Methyl Iodide	2.726	142	220	3.041	ug/l #	37
11) Tert butyl alcohol	3.183	59	6418	4.762	ug/l #	28
13) Acrolein	2.482	56	277	Below Cal	#	49
16) Acetone	2.626	43	32061	11.834	ug/l	99
20) Methylene Chloride	3.044	84	2792	0.606	ug/l #	88
25) 2-Butanone	4.713	43	7304	1.877	ug/l	93
31) Cyclohexane	5.369	56	7238	1.080	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	28669	4.722	ug/l #	50
38) Carbon Tetrachloride	5.372	117	37615	5.401	ug/l #	17
44) Trichloroethene	6.543	130	1191	0.258	ug/l	89
51) 4-Methyl-2-Pentanone	7.790	43	2813	0.389	ug/l	95
74) N-amyl acetate	10.337	43	39	2.472	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	123017	16.304	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	123017	59.199	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.472	105	2708	1.374	ug/l	84
89) n-Butylbenzene	12.208	91	116	2.194	ug/l #	67
95) Naphthalene	14.092	128	41095	4.651	ug/l	100

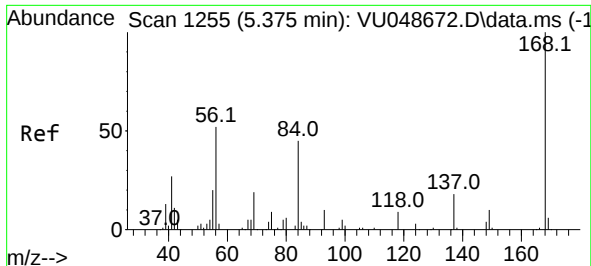
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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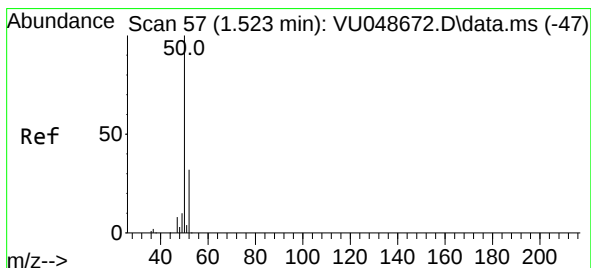
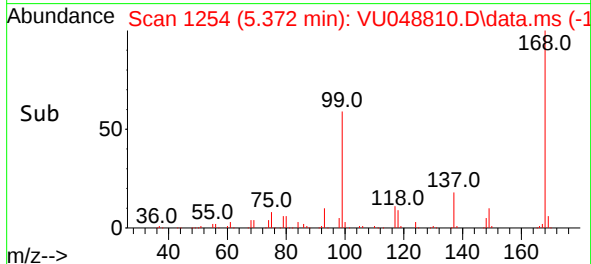
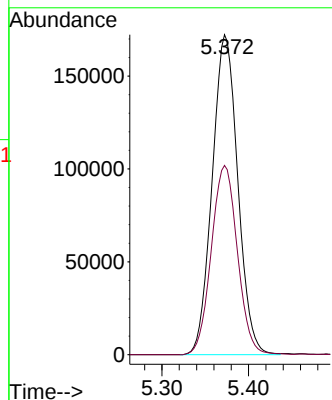
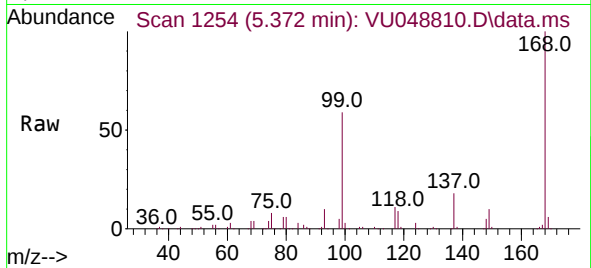




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048810.D
Acq: 02 Jun 2022 17:45

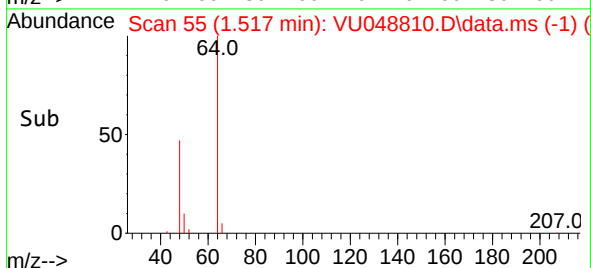
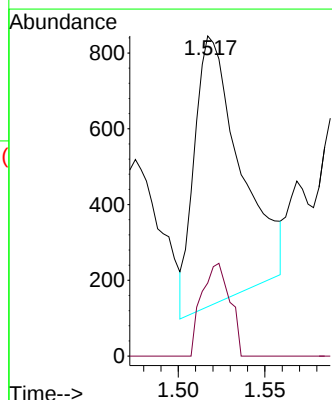
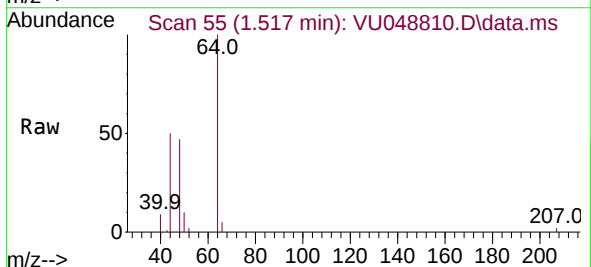
Instrument :
MSVOA_U
ClientSampleId :
FB01-20220527

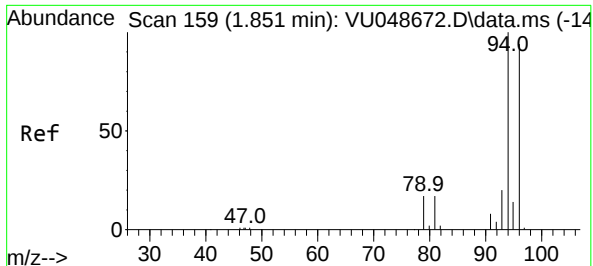
Tgt Ion:168 Resp: 353969
Ion Ratio Lower Upper
168 100
99 59.2 49.3 73.9



#3
Chloromethane
Concen: 0.251 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.006 min
Lab File: VU048810.D
Acq: 02 Jun 2022 17:45

Tgt Ion: 50 Resp: 1307
Ion Ratio Lower Upper
50 100
52 31.0 25.7 38.5

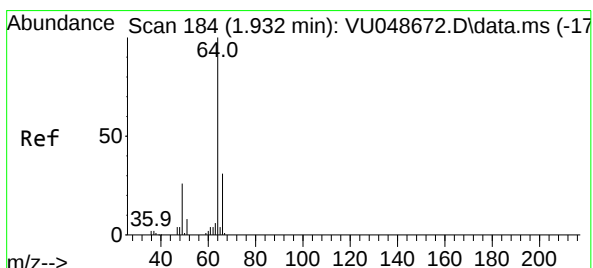
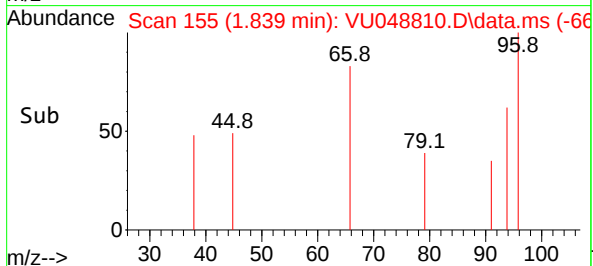
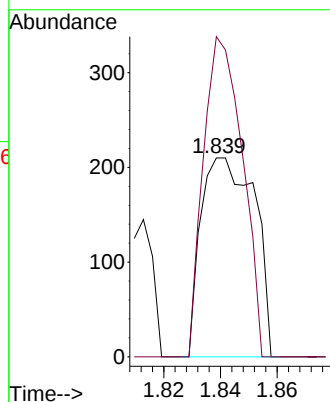
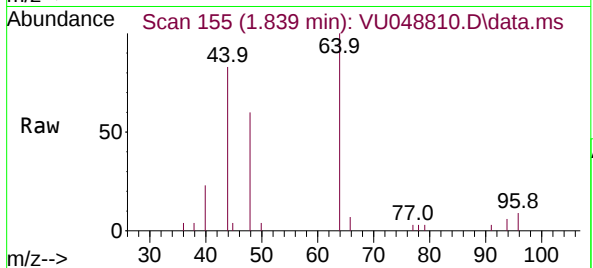




#5
Bromomethane
Concen: Below Cal
RT: 1.839 min Scan# 11
Delta R.T. -0.012 min
Lab File: VU048810.D
Acq: 02 Jun 2022 17:45

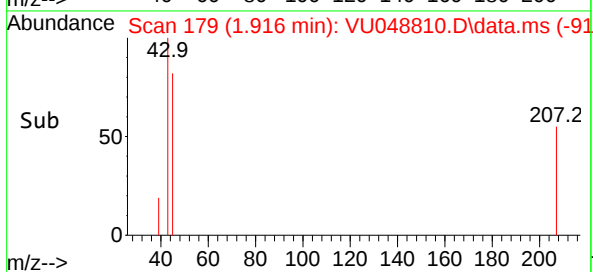
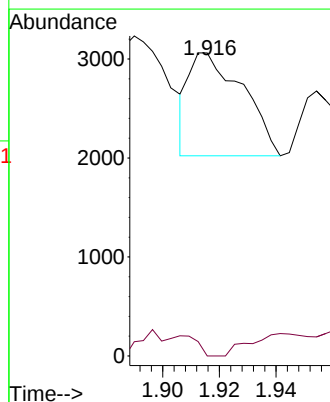
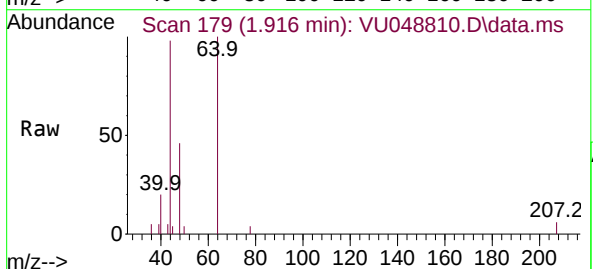
Instrument :
MSVOA_U
ClientSampleId :
FB01-20220527

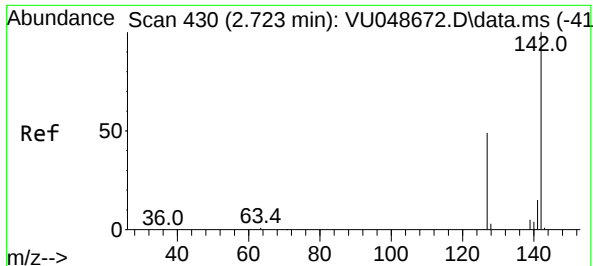
Tgt Ion: 94 Resp: 276
Ion Ratio Lower Upper
94 100
96 161.0 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.916 min Scan# 179
Delta R.T. -0.016 min
Lab File: VU048810.D
Acq: 02 Jun 2022 17:45

Tgt Ion: 64 Resp: 1375
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

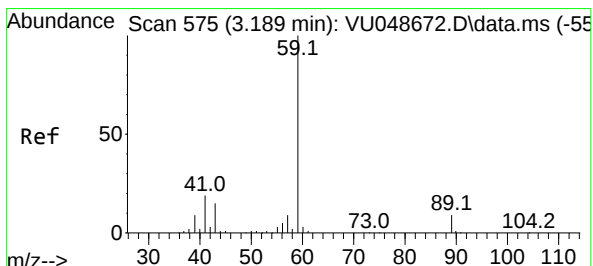
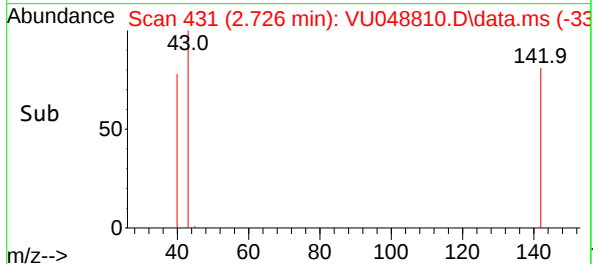
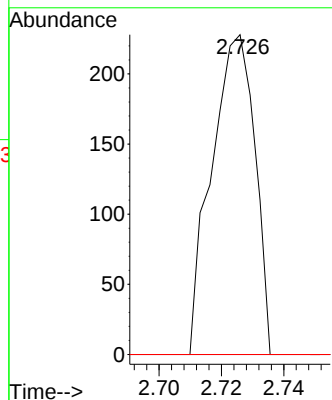
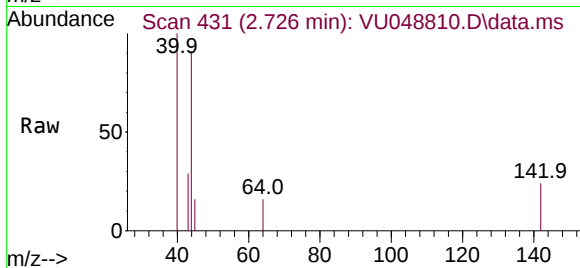




#10
Methyl Iodide
Concen: 3.041 ug/l
RT: 2.726 min Scan# 41
Delta R.T. 0.003 min
Lab File: VU048810.D
Acq: 02 Jun 2022 17:45

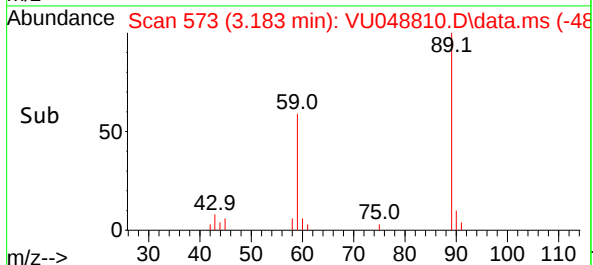
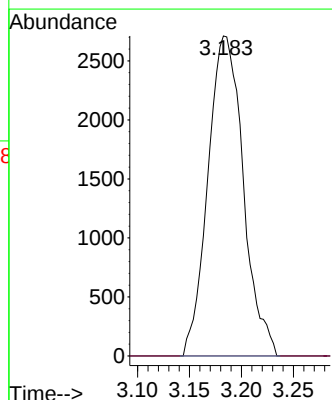
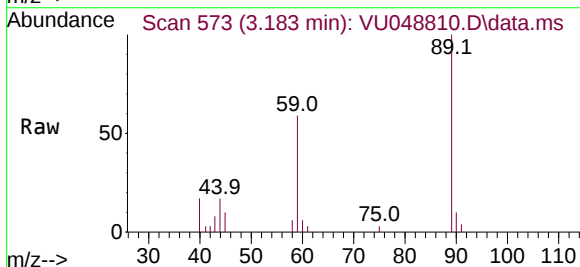
Instrument :
MSVOA_U
ClientSampleId :
FB01-20220527

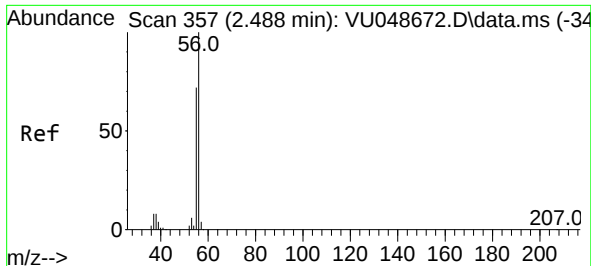
Tgt Ion:142 Resp: 220
Ion Ratio Lower Upper
142 100
127 0.0 38.4 57.6#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 4.762 ug/l
RT: 3.183 min Scan# 573
Delta R.T. -0.006 min
Lab File: VU048810.D
Acq: 02 Jun 2022 17:45

Tgt Ion: 59 Resp: 6418
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#

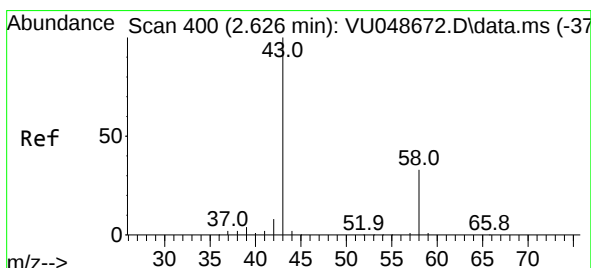
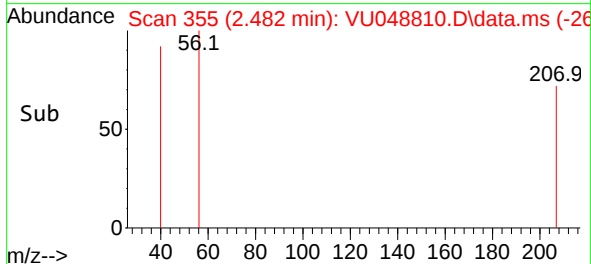
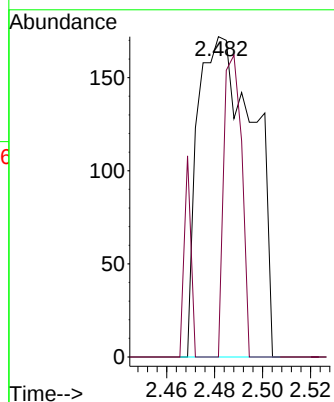
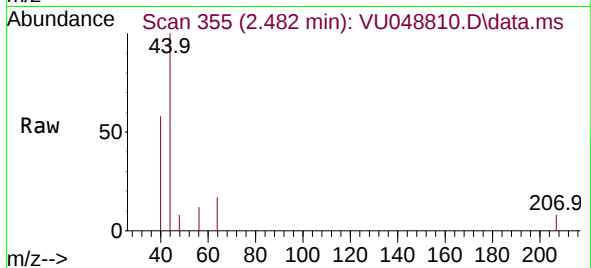




#13
Acrolein
Concen: Below Cal
RT: 2.482 min Scan# 31
Delta R.T. -0.006 min
Lab File: VU048810.D
Acq: 02 Jun 2022 17:45

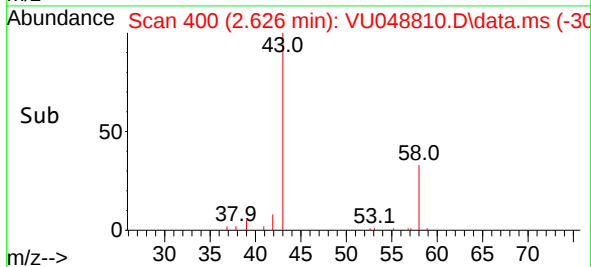
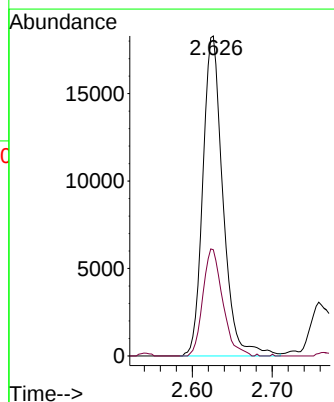
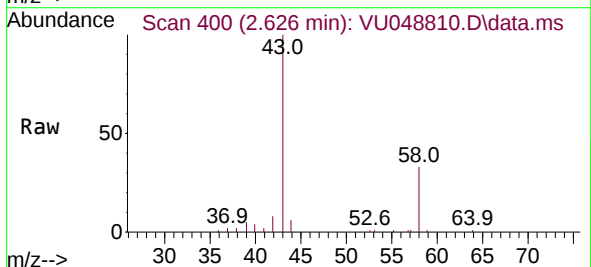
Instrument :
MSVOA_U
ClientSampleId :
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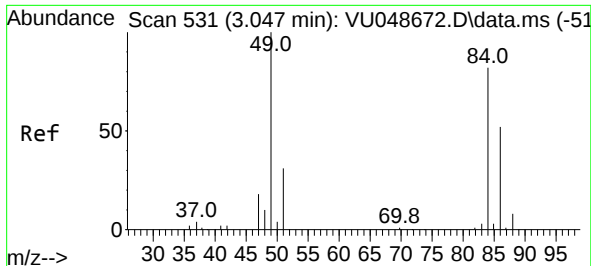
Tgt Ion: 56 Resp: 277
Ion Ratio Lower Upper
56 100
55 30.0 57.7 86.5#



#16
Acetone
Concen: 11.834 ug/l
RT: 2.626 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU048810.D
Acq: 02 Jun 2022 17:45

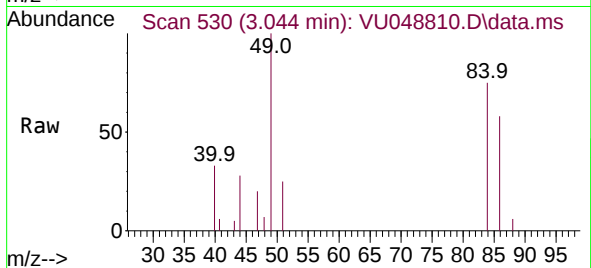
Tgt Ion: 43 Resp: 32061
Ion Ratio Lower Upper
43 100
58 33.2 26.3 39.5



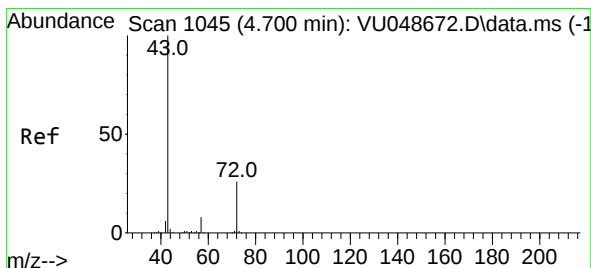
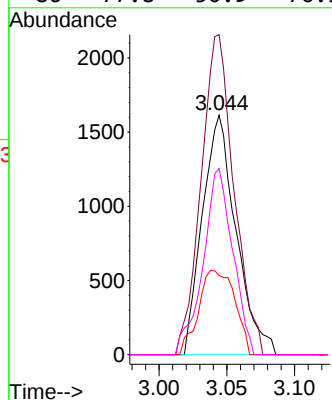
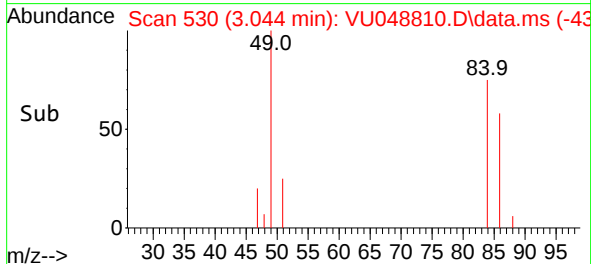


#20
Methylene Chloride
Concen: 0.606 ug/l
RT: 3.044 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU048810.D
Acq: 02 Jun 2022 17:45

Instrument :
MSVOA_U
ClientSampleId :
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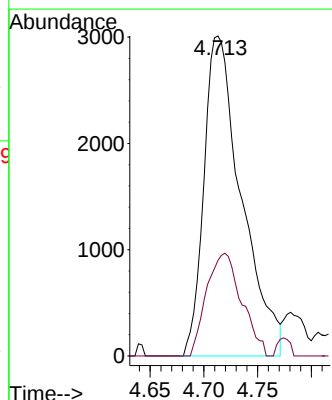
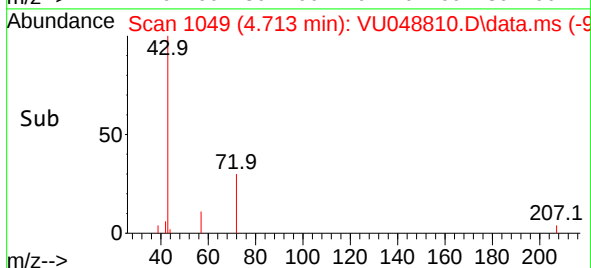
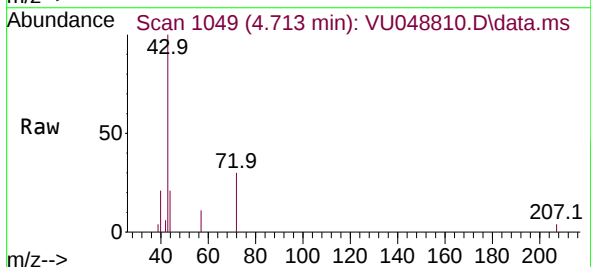


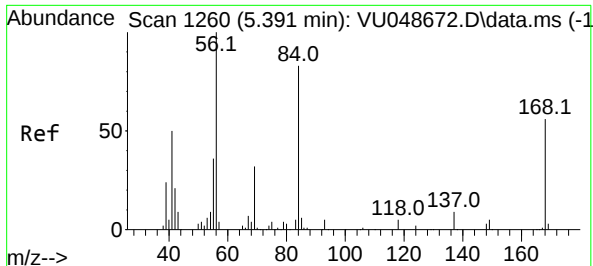
Tgt Ion:	84	Resp:	2792
Ion	Ratio	Lower	Upper
84	100		
49	133.6	97.0	145.4
51	33.1	29.8	44.8
86	77.8	50.9	76.3



#25
2-Butanone
Concen: 1.877 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. 0.013 min
Lab File: VU048810.D
Acq: 02 Jun 2022 17:45

Tgt Ion:	43	Resp:	7304
Ion	Ratio	Lower	Upper
43	100		
72	29.9	21.1	31.7

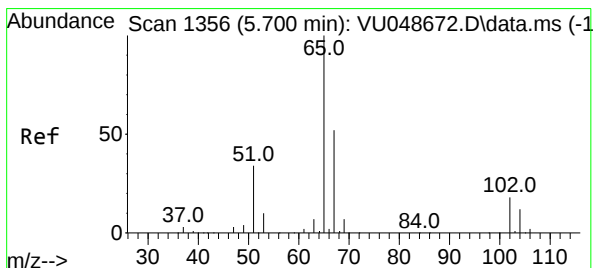
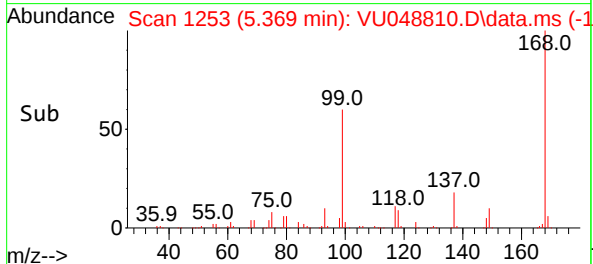
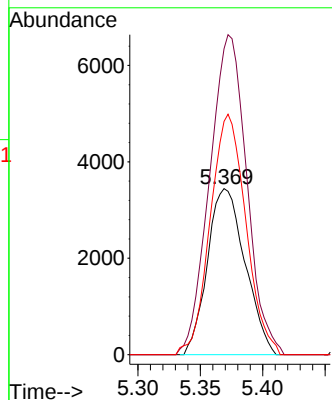
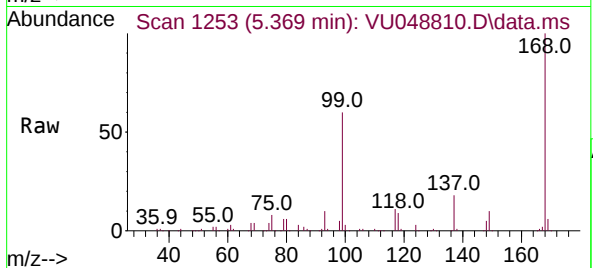




#31
Cyclohexane
Concen: 1.080 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.022 min
Lab File: VU048810.D
Acq: 02 Jun 2022 17:45

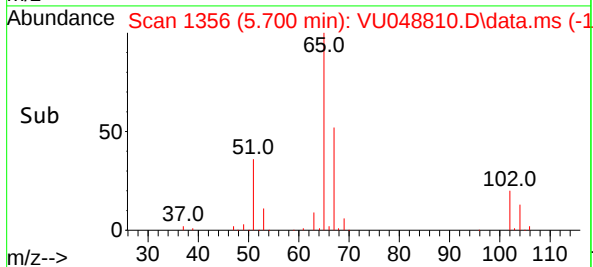
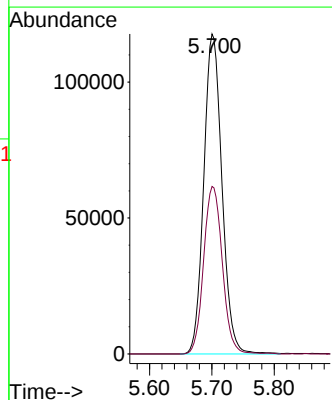
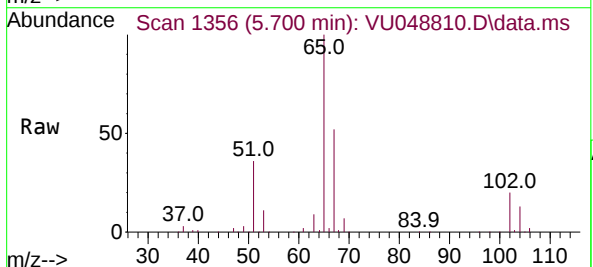
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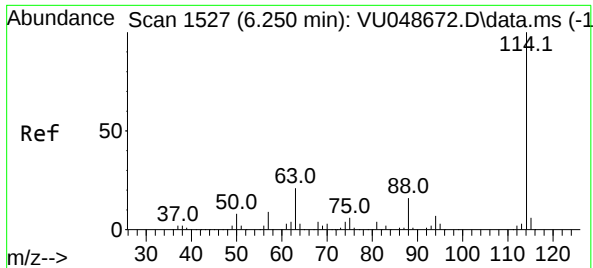
Tgt Ion: 56 Resp: 7238
Ion Ratio Lower Upper
56 100
69 180.9 25.6 38.4#
84 140.5 66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 44.970 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. 0.000 min
Lab File: VU048810.D
Acq: 02 Jun 2022 17:45

Tgt Ion: 65 Resp: 239055
Ion Ratio Lower Upper
65 100
67 53.7 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU048810.D

Acq: 02 Jun 2022 17:45

Instrument :

MSVOA_U

ClientSampleId :

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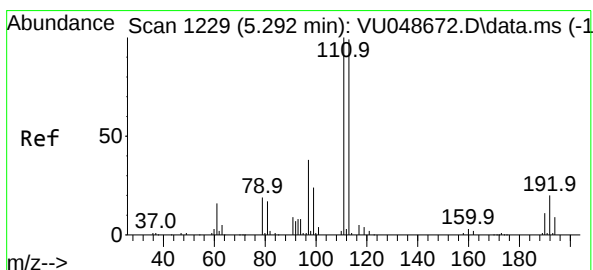
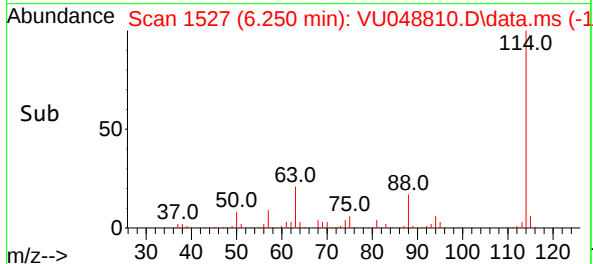
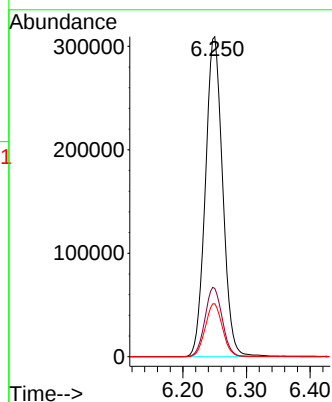
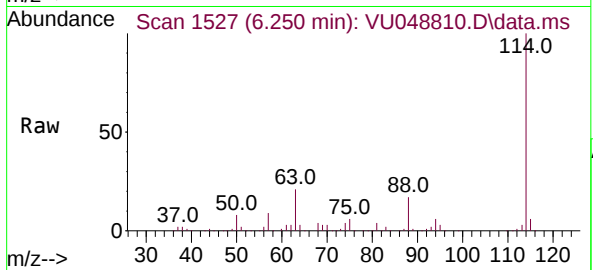
Tgt Ion:114 Resp: 583056

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.6

88 16.5 0.0 32.2



#35

Dibromofluoromethane

Concen: 44.753 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU048810.D

Acq: 02 Jun 2022 17:45

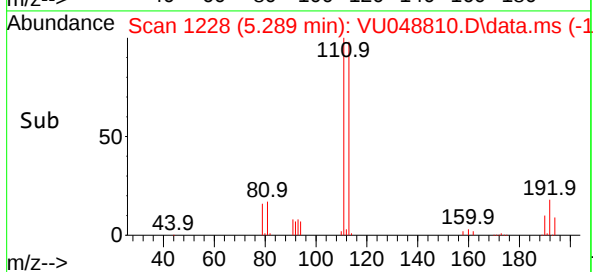
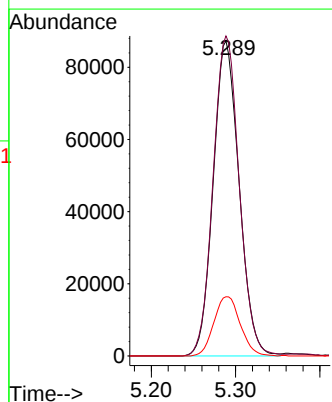
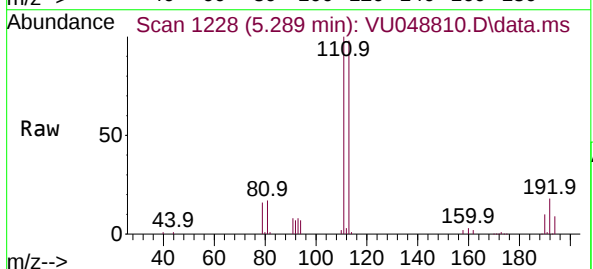
Tgt Ion:113 Resp: 186155

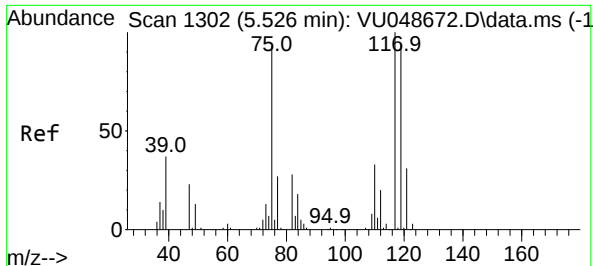
Ion Ratio Lower Upper

113 100

111 102.5 80.7 121.1

192 19.2 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.722 ug/l

RT: 5.372 min Scan# 1

Delta R.T. -0.154 min

Lab File: VU048810.D

Acq: 02 Jun 2022 17:45

Instrument :

MSVOA_U

ClientSampleId :

FB01-20220527

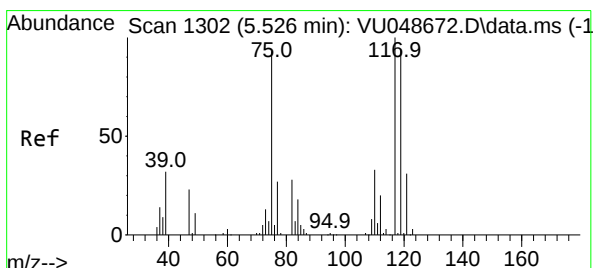
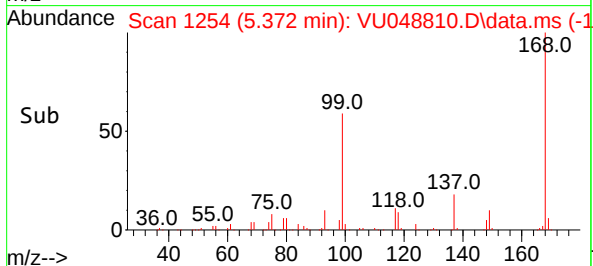
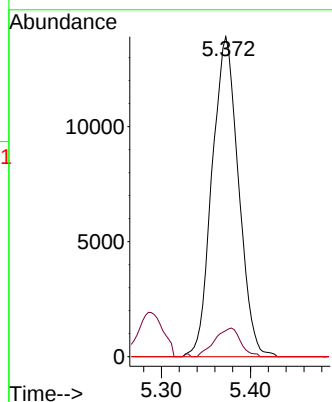
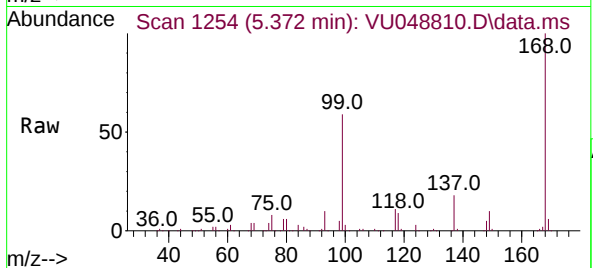
Tgt Ion: 75 Resp: 28669

Ion Ratio Lower Upper

75 100

110 8.8 17.4 52.3#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.401 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048810.D

Acq: 02 Jun 2022 17:45

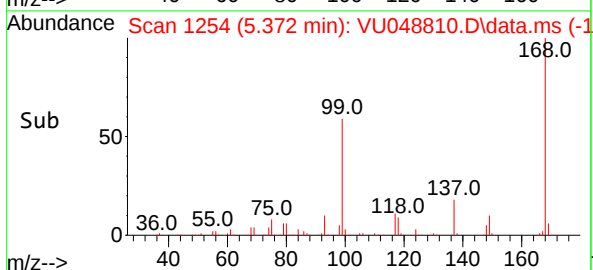
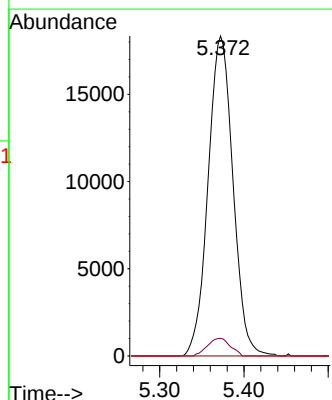
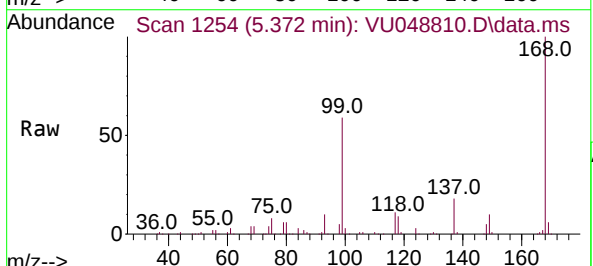
Tgt Ion: 117 Resp: 37615

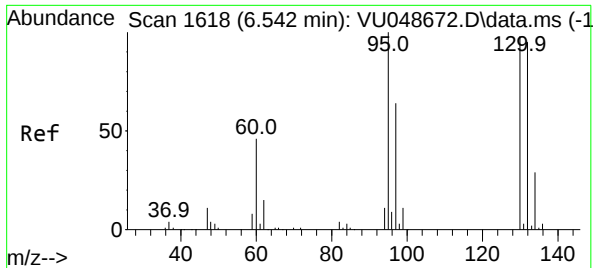
Ion Ratio Lower Upper

117 100

119 5.5 75.4 113.2#

121 0.0 24.6 36.8#

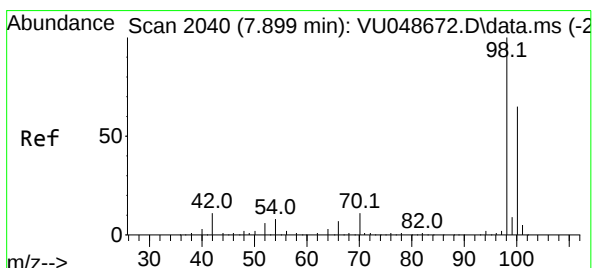
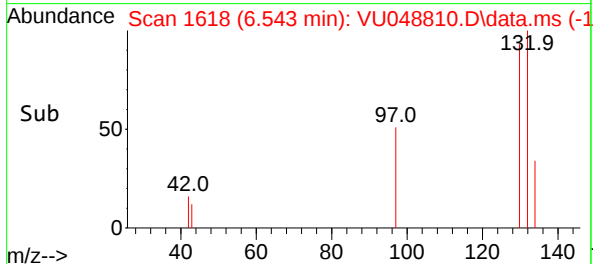
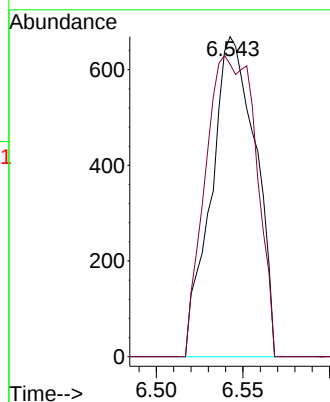
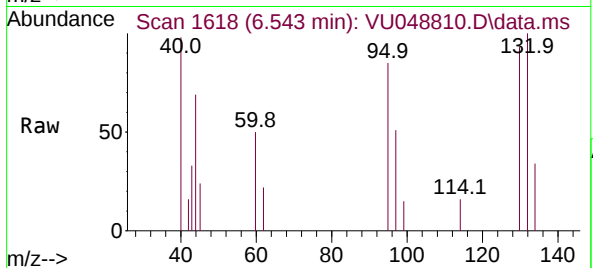




#44
Trichloroethene
Concen: 0.258 ug/l
RT: 6.543 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU048810.D
Acq: 02 Jun 2022 17:45

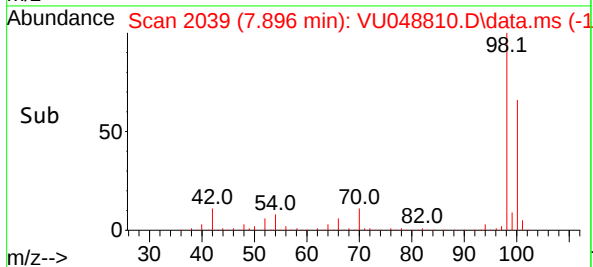
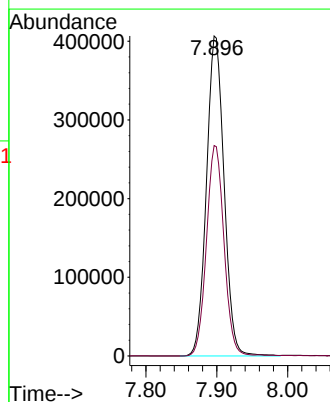
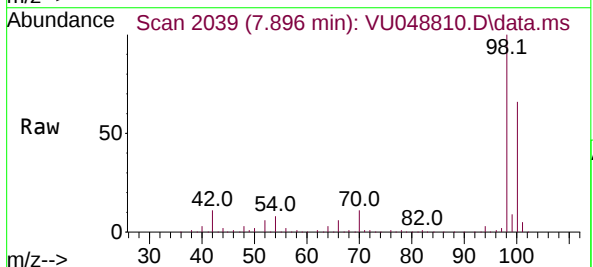
Instrument :
MSVOA_U
ClientSampleId :
FB01-20220527

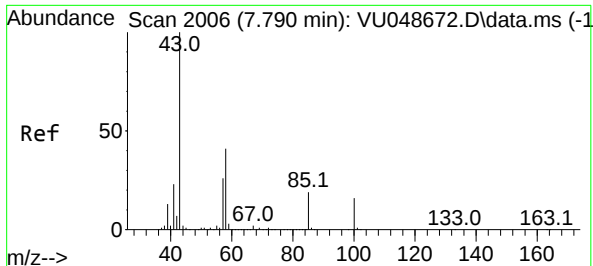
Tgt Ion:130 Resp: 1191
Ion Ratio Lower Upper
130 100
95 91.3 0.0 204.8



#50
Toluene-d8
Concen: 47.045 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. -0.003 min
Lab File: VU048810.D
Acq: 02 Jun 2022 17:45

Tgt Ion: 98 Resp: 701476
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.4

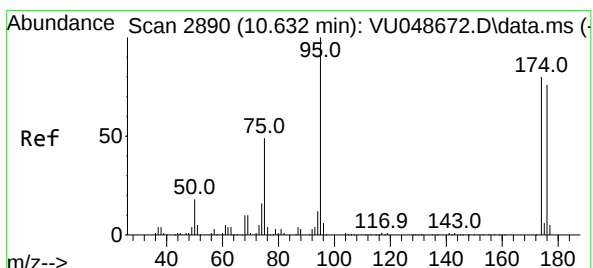
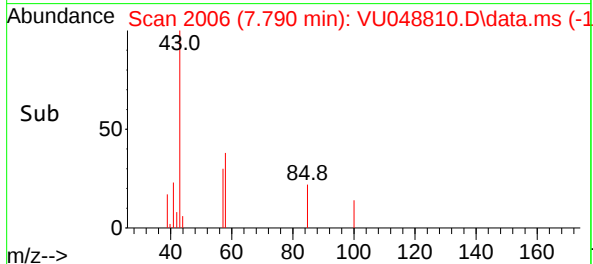
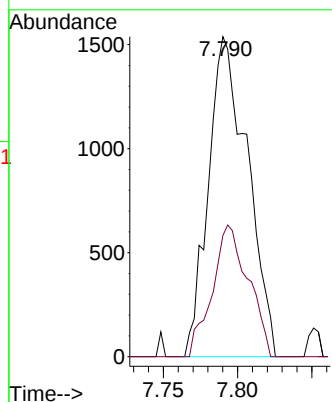
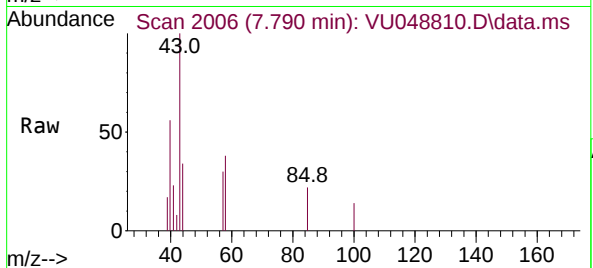




#51
4-Methyl-2-Pentanone
Concen: 0.389 ug/l
RT: 7.790 min Scan# 2006
Delta R.T. 0.000 min
Lab File: VU048810.D
Acq: 02 Jun 2022 17:45

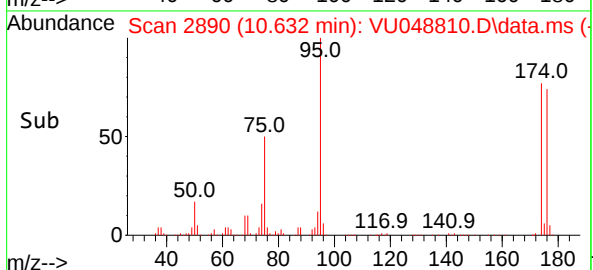
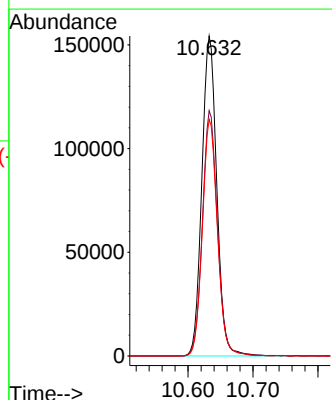
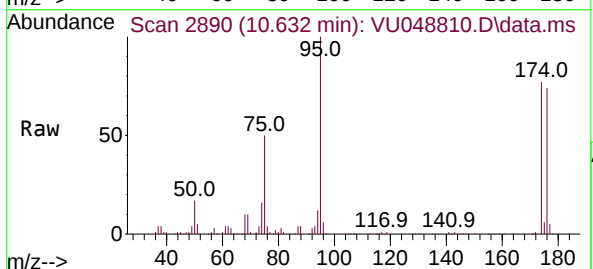
Instrument :
MSVOA_U
ClientSampleId :
FB01-20220527

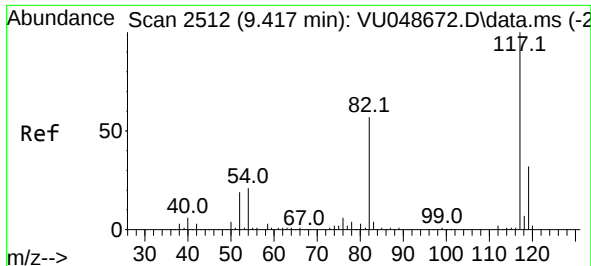
Tgt Ion: 43 Resp: 2813
Ion Ratio Lower Upper
43 100
58 37.9 32.7 49.1



#62
4-Bromofluorobenzene
Concen: 43.815 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.000 min
Lab File: VU048810.D
Acq: 02 Jun 2022 17:45

Tgt Ion: 95 Resp: 247079
Ion Ratio Lower Upper
95 100
174 77.2 0.0 159.4
176 74.4 0.0 152.4

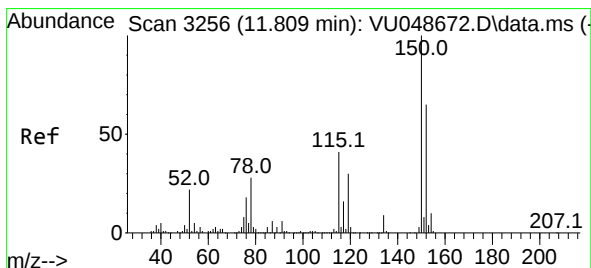
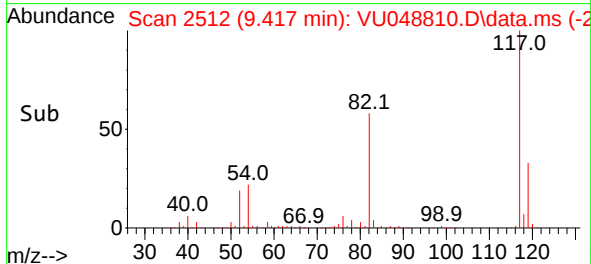
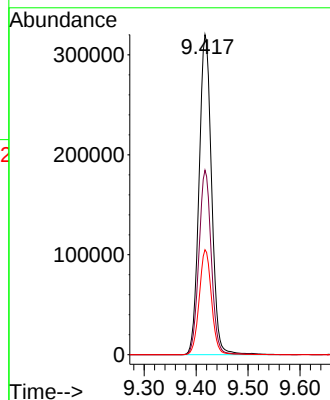
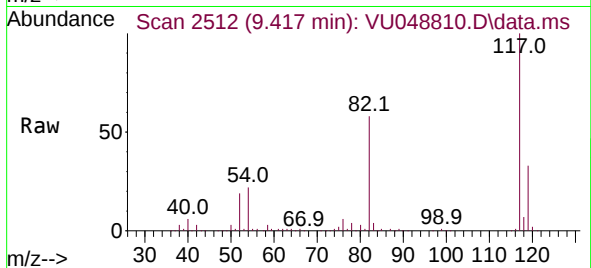




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048810.D
Acq: 02 Jun 2022 17:45

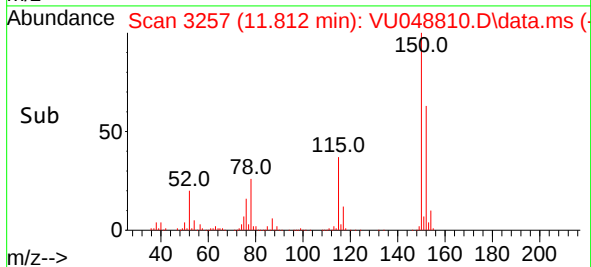
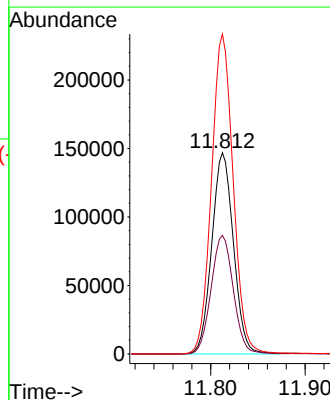
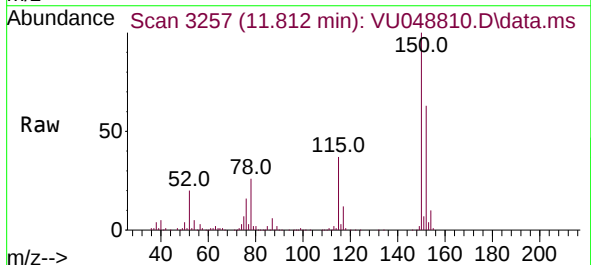
Instrument :
MSVOA_U
ClientSampleId :
FB01-20220527

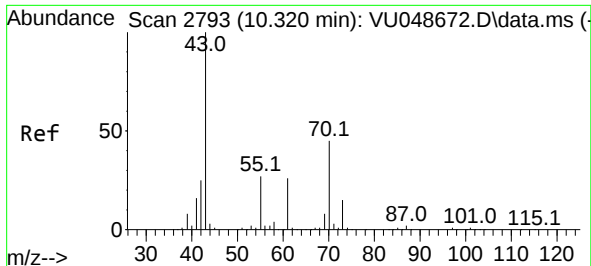
Tgt Ion:117 Resp: 536073
Ion Ratio Lower Upper
117 100
82 57.6 45.3 67.9
119 32.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048810.D
Acq: 02 Jun 2022 17:45

Tgt Ion:152 Resp: 234009
Ion Ratio Lower Upper
152 100
115 60.4 41.8 125.4
150 159.6 0.0 341.0

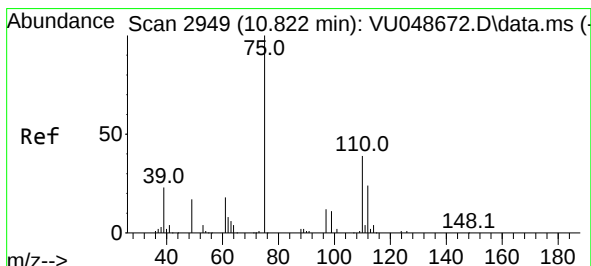
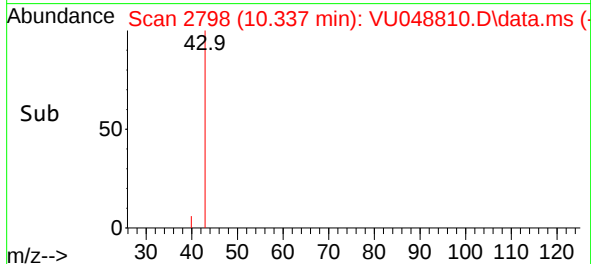
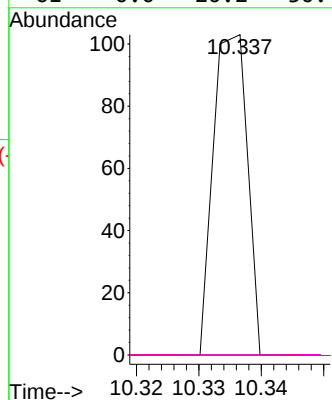
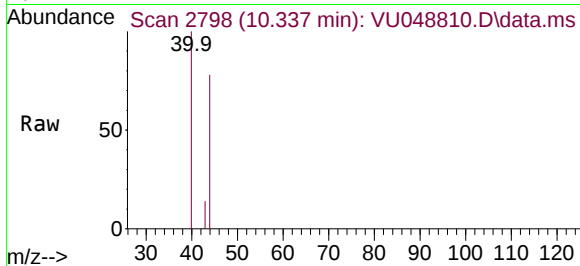




#74
N-amy1 acetate
Concen: 2.472 ug/l
RT: 10.337 min Scan# 21
Delta R.T. 0.017 min
Lab File: VU048810.D
Acq: 02 Jun 2022 17:45

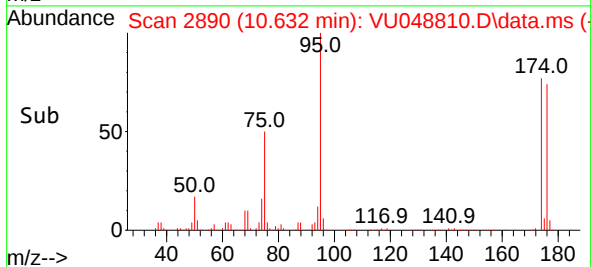
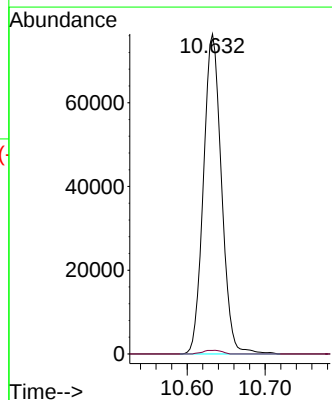
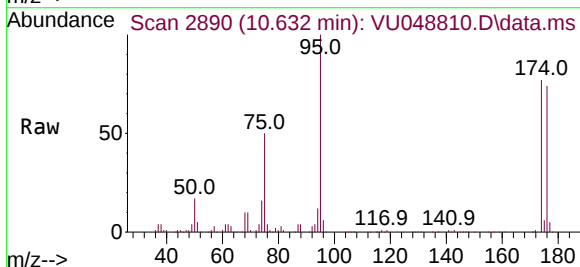
Instrument :
MSVOA_U
ClientSampleId :
FB01-20220527

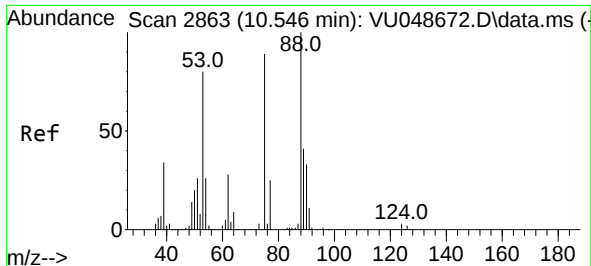
Tgt Ion: 43	Resp: 39
Ion Ratio	Lower Upper
43 100	
70 0.0	35.8 53.6#
55 0.0	21.1 31.7#
61 0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 16.304 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048810.D
Acq: 02 Jun 2022 17:45

Tgt Ion: 75	Resp:	123017	
Ion Ratio	Lower	Upper	
75 100			
77 1.2	14.8	44.3#	

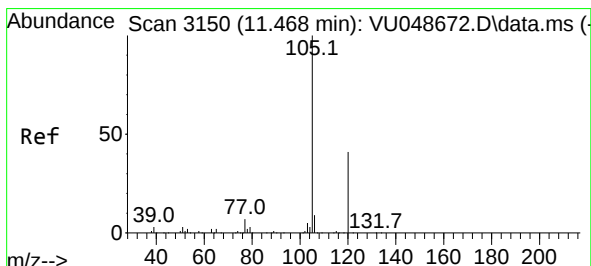
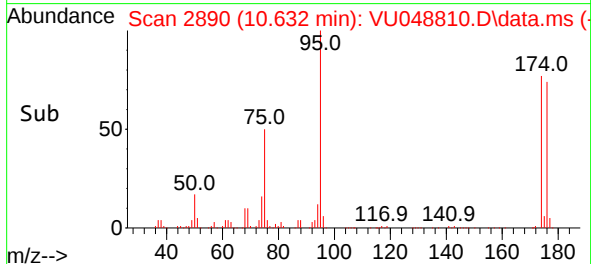
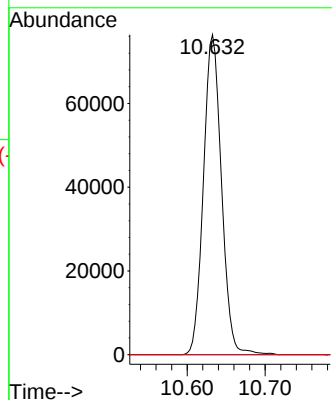
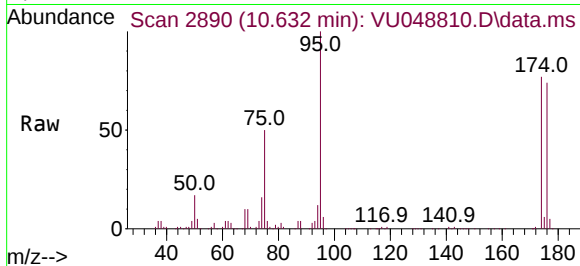




#81
trans-1,4-Dichloro-2-butene
Concen: 59.199 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048810.D
Acq: 02 Jun 2022 17:45

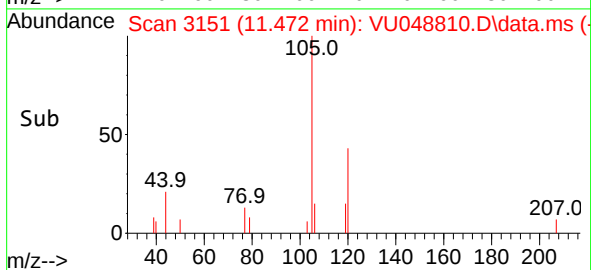
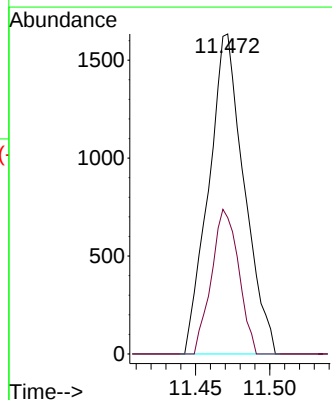
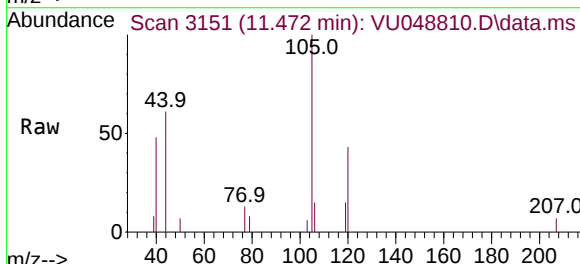
Instrument :
MSVOA_U
ClientSampleId :
FB01-20220527

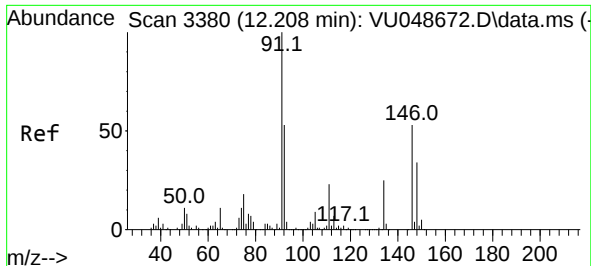
Tgt Ion: 75 Resp: 123017
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.374 ug/l
RT: 11.472 min Scan# 3151
Delta R.T. 0.004 min
Lab File: VU048810.D
Acq: 02 Jun 2022 17:45

Tgt Ion: 105 Resp: 2708
Ion Ratio Lower Upper
105 100
120 34.6 22.5 67.5





#89

n-Butylbenzene

Concen: 2.194 ug/l

RT: 12.208 min Scan# 3380

Delta R.T. -0.000 min

Lab File: VU048810.D

Acq: 02 Jun 2022 17:45

Instrument :

MSVOA_U

ClientSampleId :

FB01-20220527

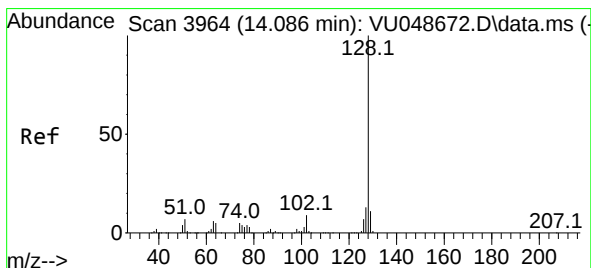
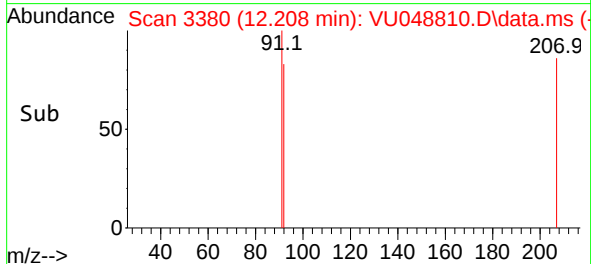
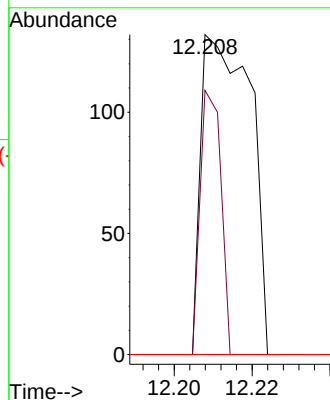
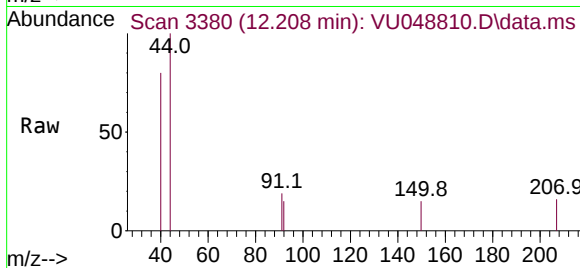
Tgt Ion: 91 Resp: 116

Ion Ratio Lower Upper

91 100

92 34.5 25.9 77.8

134 0.0 12.5 37.5#



#95

Naphthalene

Concen: 4.651 ug/l

RT: 14.092 min Scan# 3966

Delta R.T. 0.006 min

Lab File: VU048810.D

Acq: 02 Jun 2022 17:45

Tgt Ion: 128 Resp: 41095

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 11.1 8.7 13.1

