

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092521\
 Data File : VU044830.D
 Acq On : 25 Sep 2021 12:42
 Operator : SY/MD
 Sample : VU0925MBL01
 Misc : 5.00g/10mL/100ul/5.0mL/MSVOA_U/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0925MBL01

Quant Time: Sep 27 01:28:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092421W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 25 09:30:46 2021
 Response via : Initial Calibration

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

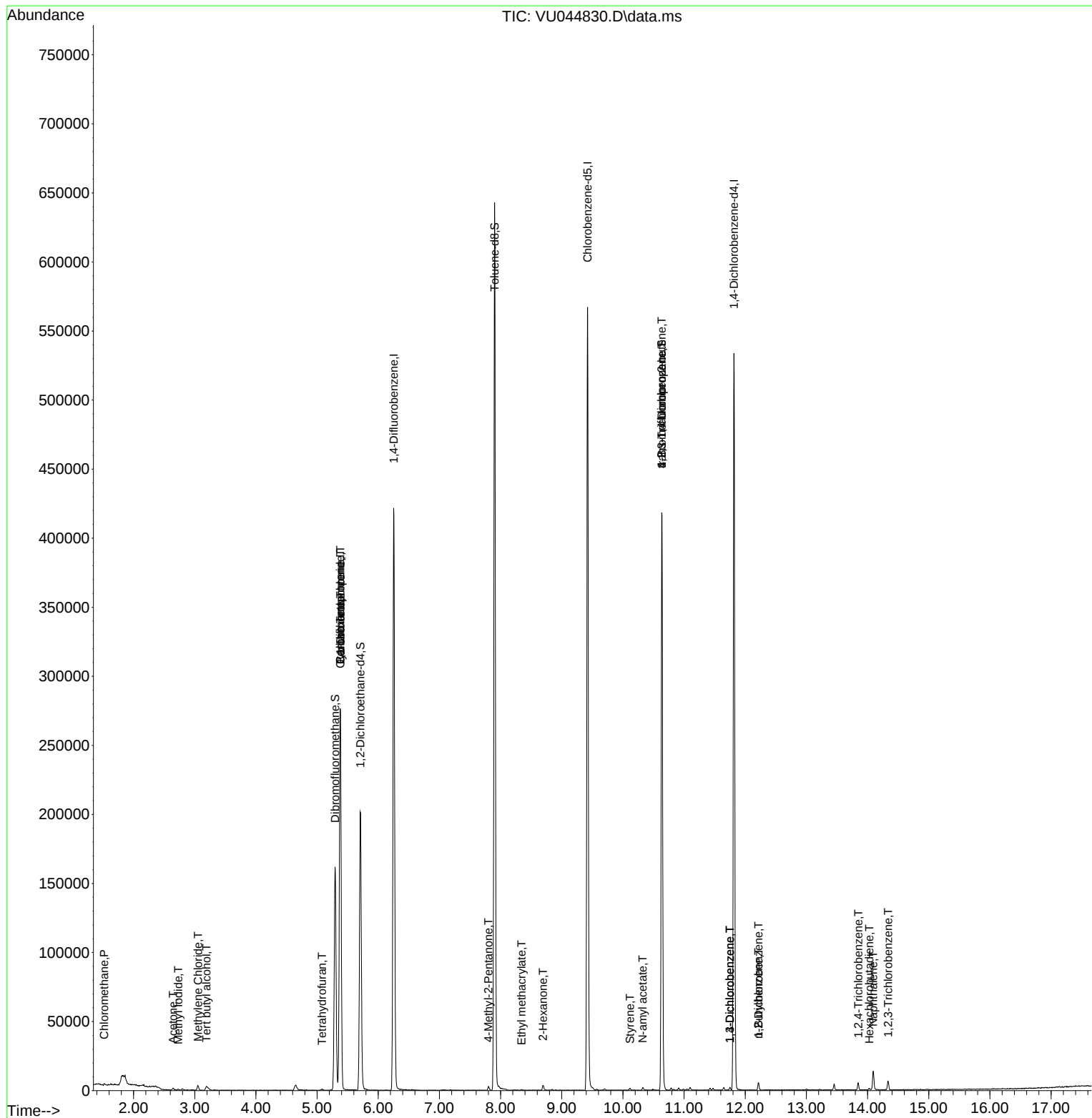
Internal Standards						
1) Pentafluorobenzene	5.378	168	178931	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	320975	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	296579	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	129461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	152759	48.917	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.840%	
35) Dibromofluoromethane	5.295	113	105260	47.803	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.600%	
50) Toluene-d8	7.902	98	406417	48.870	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.740%	
62) 4-Bromofluorobenzene	10.635	95	138506	44.841	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.680%	
Target Compounds						Qvalue
3) Chloromethane	1.520	50	934	0.287	ug/l #	68
5) Bromomethane	1.854	94	1082	Below Cal		86
6) Chloroethane	1.909	64	175	Below Cal	#	42
10) Methyl Iodide	2.732	142	773	0.327	ug/l #	79
11) Tert butyl alcohol	3.192	59	1777	1.950	ug/l #	72
16) Acetone	2.645	43	1830	1.039	ug/l	92
20) Methylene Chloride	3.054	84	1567	0.550	ug/l #	89
29) Tetrahydrofuran	5.079	42	393	0.234	ug/l #	36
31) Cyclohexane	5.382	56	4835	1.078	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	17314	5.084	ug/l #	49
38) Carbon Tetrachloride	5.378	117	19195	6.305	ug/l #	16
51) 4-Methyl-2-Pentanone	7.800	43	2021	0.406	ug/l	92
56) Ethyl methacrylate	8.343	69	349	1.957	ug/l #	58
59) 2-Hexanone	8.693	43	2833	0.708	ug/l	85
70) Styrene	10.118	104	592	1.088	ug/l #	76
74) N-amyl acetate	10.324	43	1298	0.277	ug/l #	78
76) 1,2,3-Trichloropropane	10.635	75	74393	18.976	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.635	75	74393	61.473	ug/l #	9
87) 1,3-Dichlorobenzene	11.751	146	943	0.221	ug/l	84
88) 1,4-Dichlorobenzene	11.751	146	943	0.214	ug/l	86
89) n-Butylbenzene	12.214	91	2363	1.559	ug/l	94
91) 1,2-Dichlorobenzene	12.217	146	986	0.218	ug/l	93
93) 1,2,4-Trichlorobenzene	13.848	180	1789	0.717	ug/l	97
94) Hexachlorobutadiene	14.028	225	330	0.297	ug/l	83
95) Naphthalene	14.092	128	12314	2.160	ug/l	98
96) 1,2,3-Trichlorobenzene	14.336	180	2264	0.893	ug/l	93

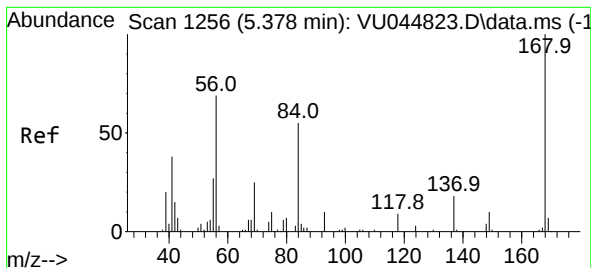
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. 0.000 min

Lab File: VU044830.D

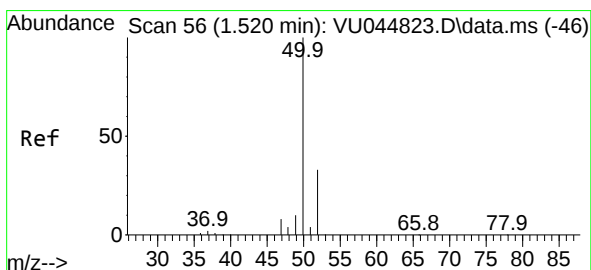
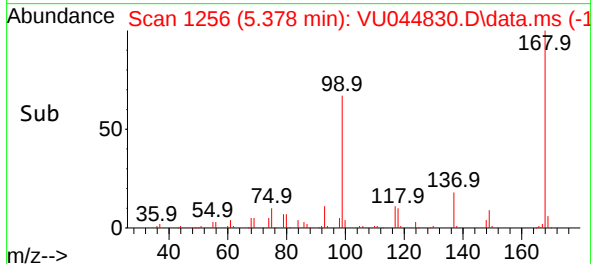
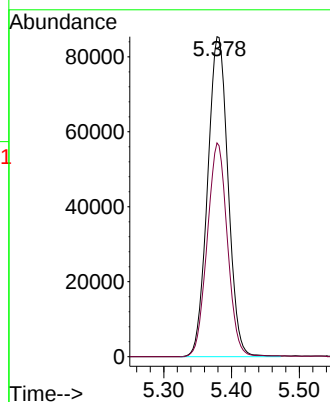
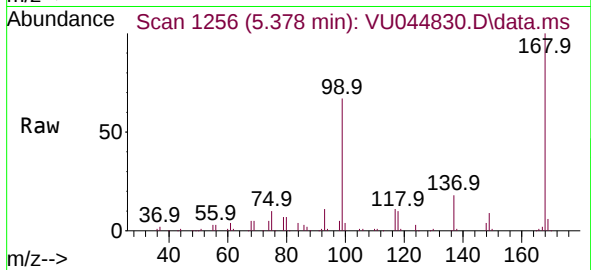
Acq: 25 Sep 2021 12:42

Tgt Ion:168 Resp: 178931

Ion Ratio Lower Upper

168 100

99 66.8 51.4 77.0



#3

Chloromethane

Concen: 0.287 ug/l

RT: 1.520 min Scan# 56

Delta R.T. 0.000 min

Lab File: VU044830.D

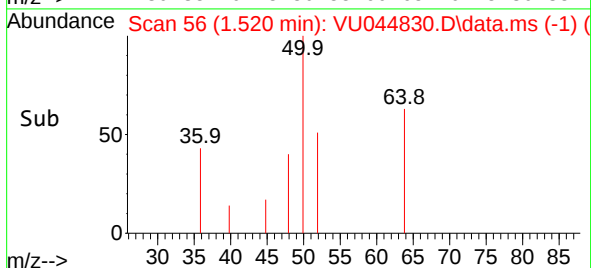
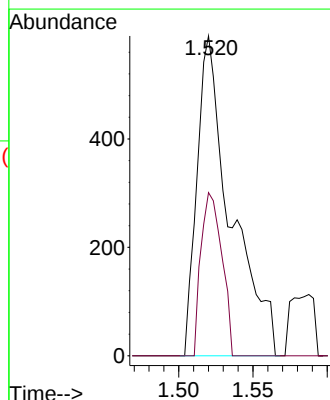
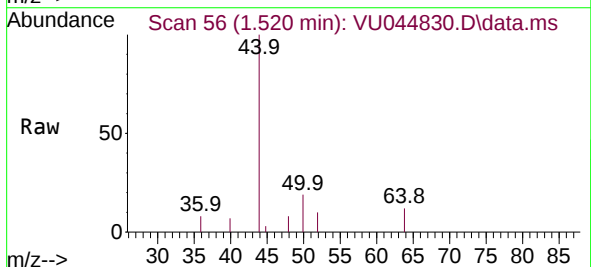
Acq: 25 Sep 2021 12:42

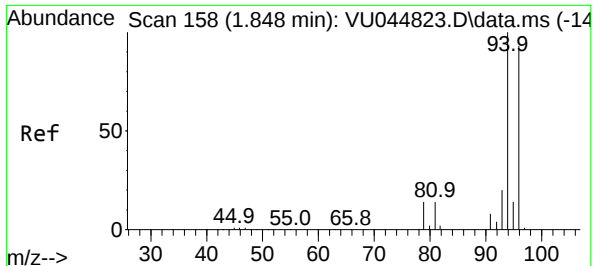
Tgt Ion: 50 Resp: 934

Ion Ratio Lower Upper

50 100

52 51.0 26.3 39.5#

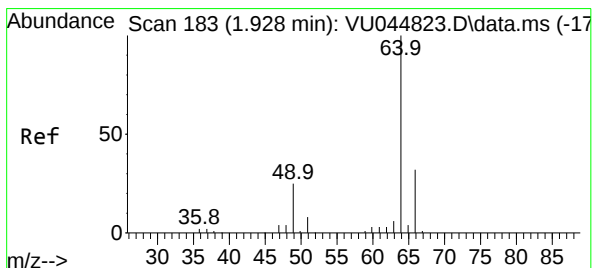
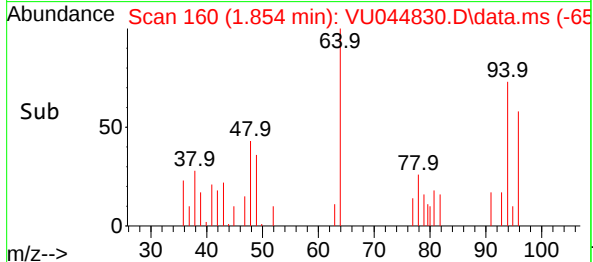
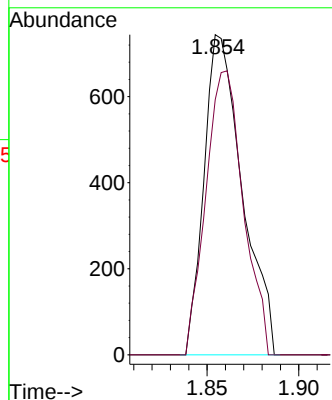
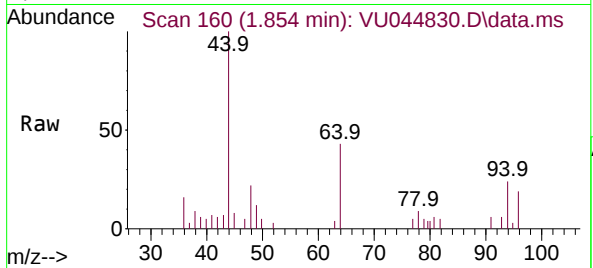




#5
Bromomethane
Concen: Below Cal
RT: 1.854 min Scan# 160
Delta R.T. 0.006 min
Lab File: VU044830.D
Acq: 25 Sep 2021 12:42

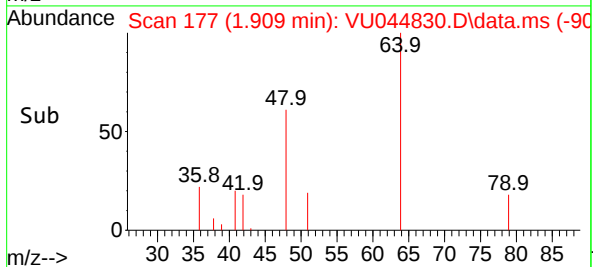
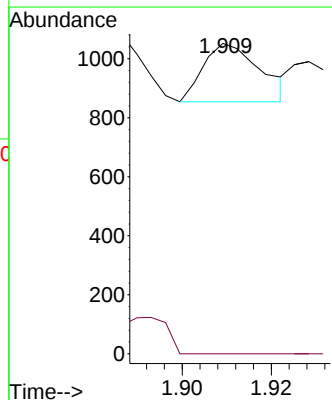
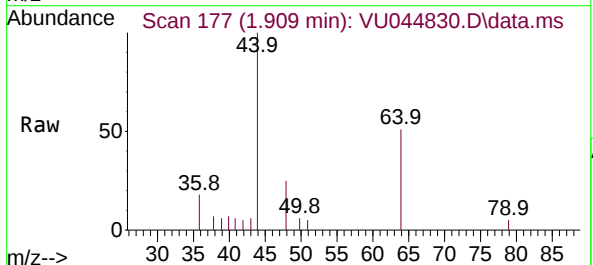
Instrument :
MSVOA_U
ClientSampleId :
VU0925MBL01

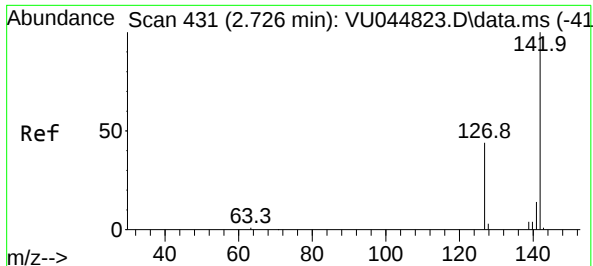
Tgt Ion: 94 Resp: 1082
Ion Ratio Lower Upper
94 100
96 79.7 74.5 111.7



#6
Chloroethane
Concen: Below Cal
RT: 1.909 min Scan# 177
Delta R.T. -0.019 min
Lab File: VU044830.D
Acq: 25 Sep 2021 12:42

Tgt Ion: 64 Resp: 175
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#

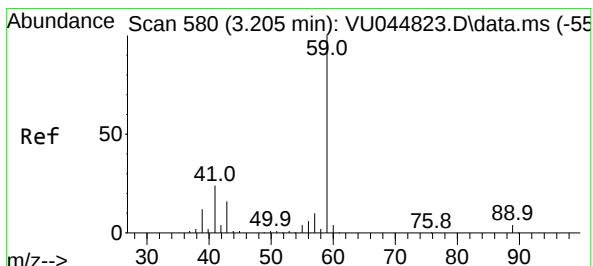
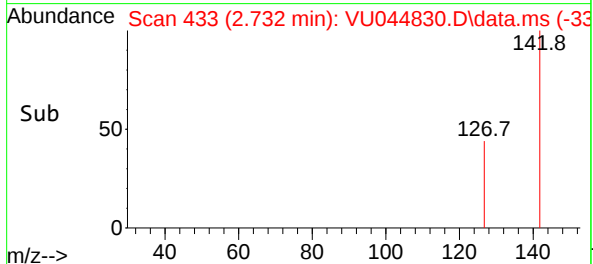
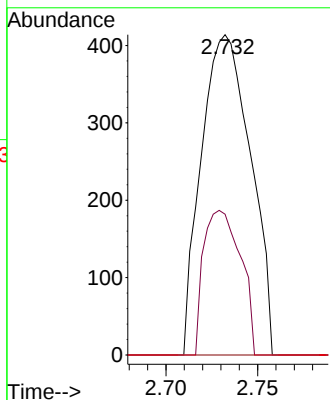
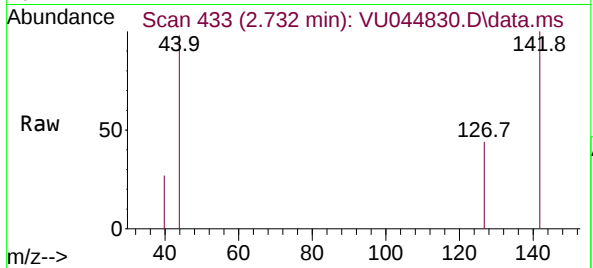




#10
Methyl Iodide
Concen: 0.327 ug/l
RT: 2.732 min Scan# 433
Delta R.T. 0.006 min
Lab File: VU044830.D
Acq: 25 Sep 2021 12:42

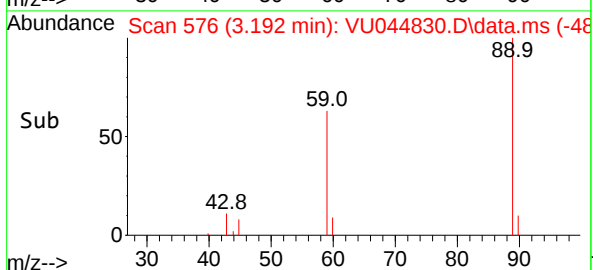
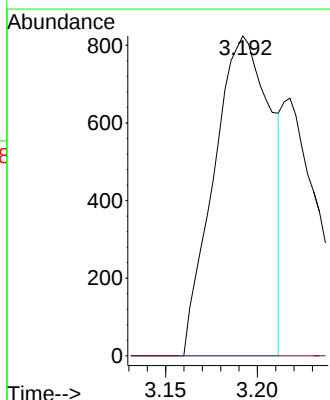
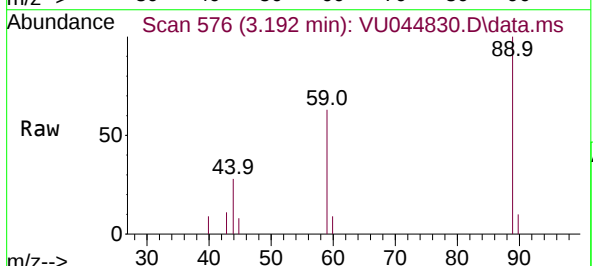
Instrument :
MSVOA_U
ClientSampleId :
VU0925MBL01

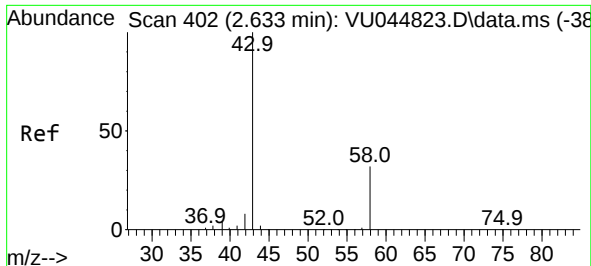
Tgt Ion:142 Resp: 773
Ion Ratio Lower Upper
142 100
127 33.9 35.6 53.4#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 1.950 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.013 min
Lab File: VU044830.D
Acq: 25 Sep 2021 12:42

Tgt Ion: 59 Resp: 1777
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

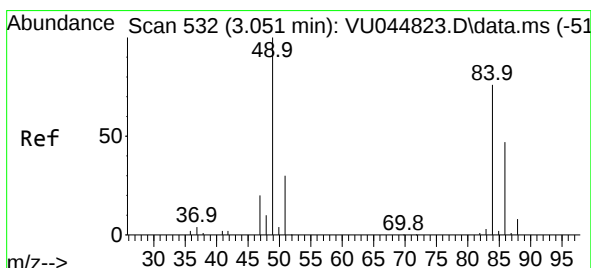
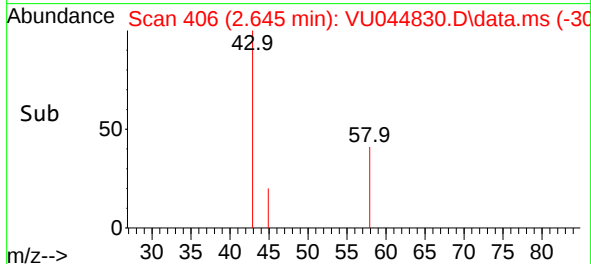
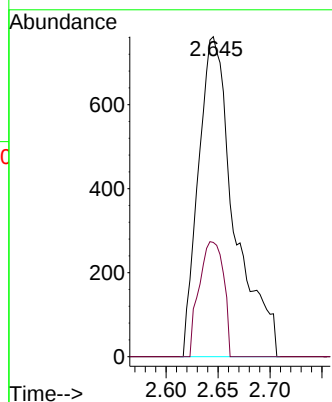
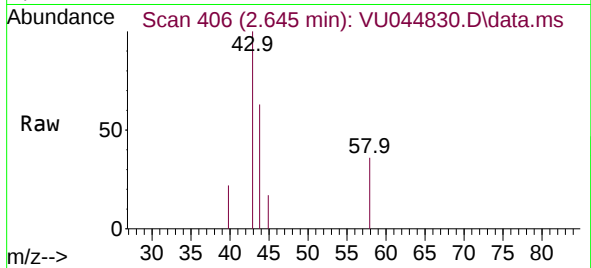




#16
Acetone
Concen: 1.039 ug/l
RT: 2.645 min Scan# 406
Delta R.T. 0.013 min
Lab File: VU044830.D
Acq: 25 Sep 2021 12:42

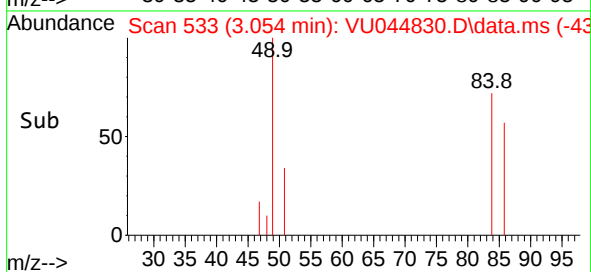
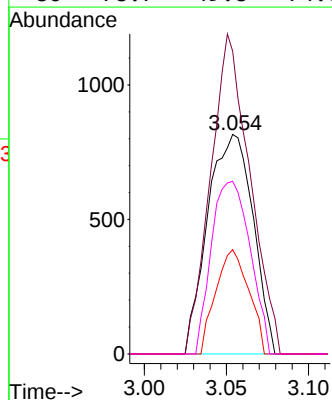
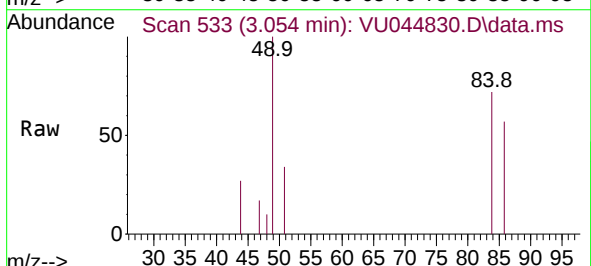
Instrument :
MSVOA_U
ClientSampleId :
VU0925MBL01

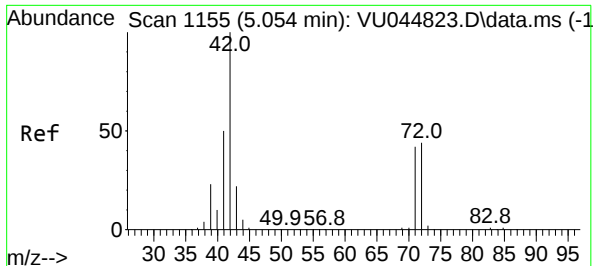
Tgt Ion: 43 Resp: 1830
Ion Ratio Lower Upper
43 100
58 35.7 25.2 37.8



#20
Methylene Chloride
Concen: 0.550 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU044830.D
Acq: 25 Sep 2021 12:42

Tgt Ion: 84 Resp: 1567
Ion Ratio Lower Upper
84 100
49 138.0 104.9 157.3
51 47.5 31.8 47.8
86 78.7 49.8 74.6#





#29

Tetrahydrofuran

Concen: 0.234 ug/l

RT: 5.079 min Scan# 1163

Delta R.T. 0.026 min

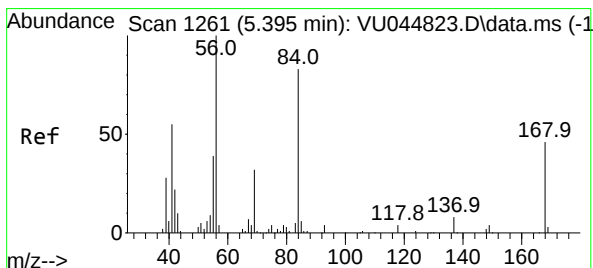
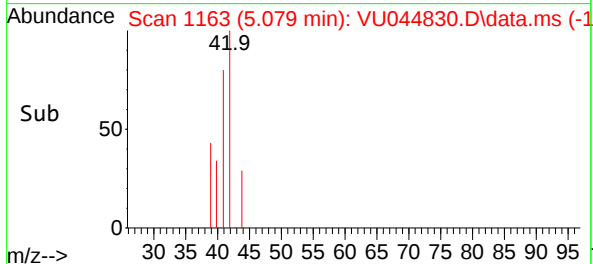
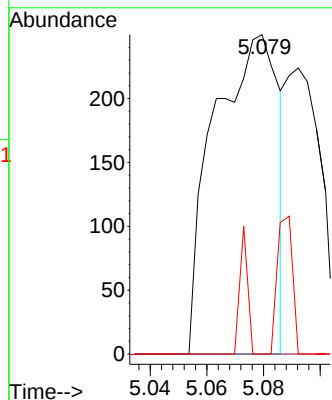
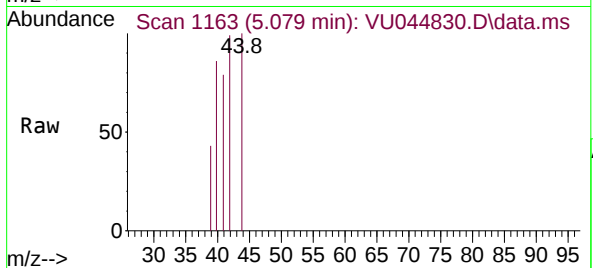
Lab File: VU044830.D

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Instrument :
MSVOA_U
ClientSampled :
VU0925MBL01

Tgt Ion: 42 Resp: 393

Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.2	54.4#
71	4.8	34.1	51.1#



#31

Cyclohexane

Concen: 1.078 ug/l

RT: 5.382 min Scan# 1257

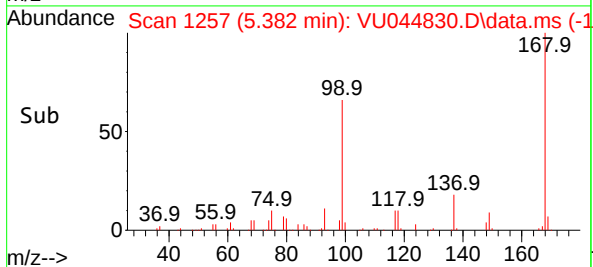
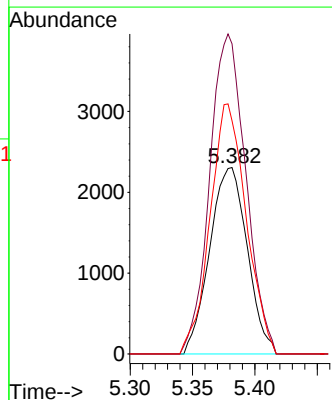
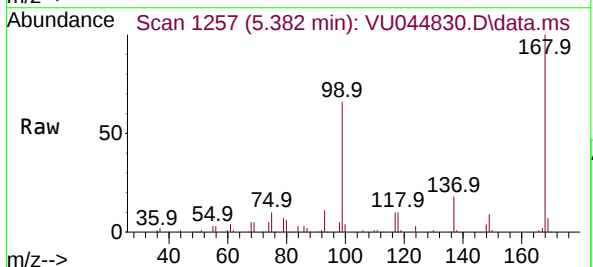
Delta R.T. -0.013 min

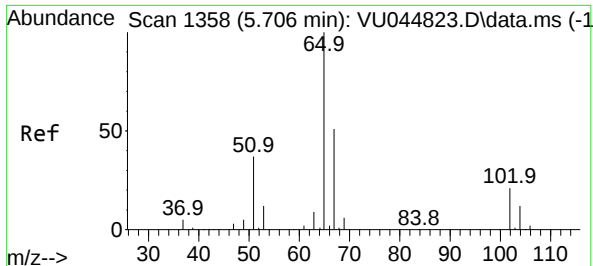
Lab File: VU044830.D

Acq: 25 Sep 2021 12:42

Tgt Ion: 56 Resp: 4835

Ion	Ratio	Lower	Upper
56	100		
69	166.4	25.2	37.8#
84	125.1	66.4	99.6#



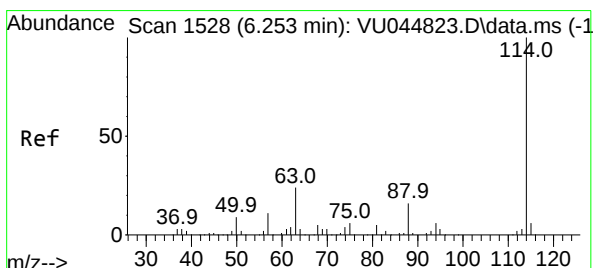
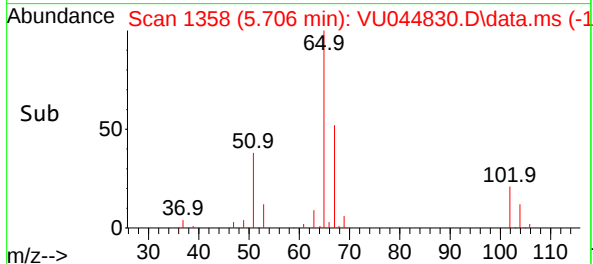
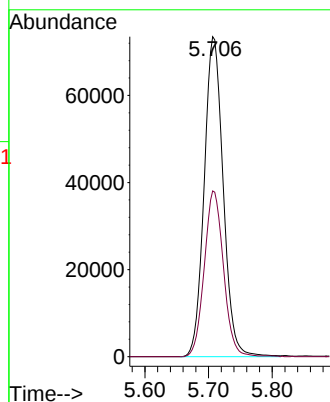
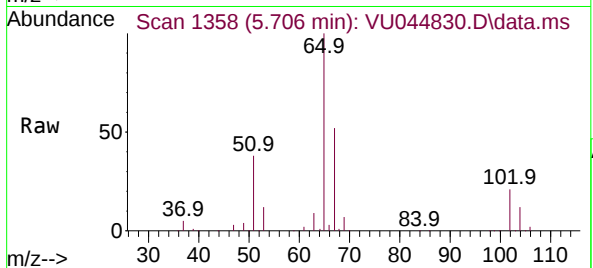


#33

1,2-Dichloroethane-d4
Concen: 48.917 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VU044830.D
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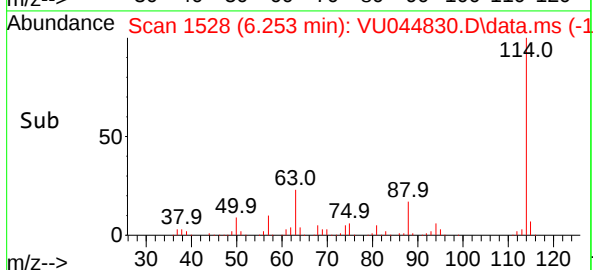
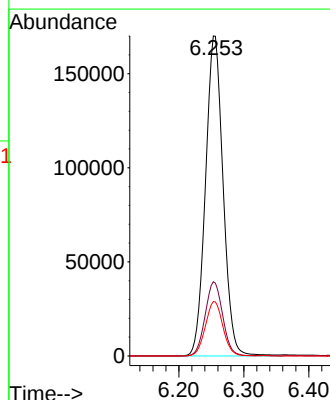
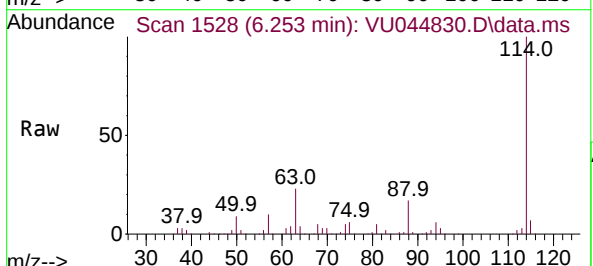
Tgt Ion: 65 Resp: 152759
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.8

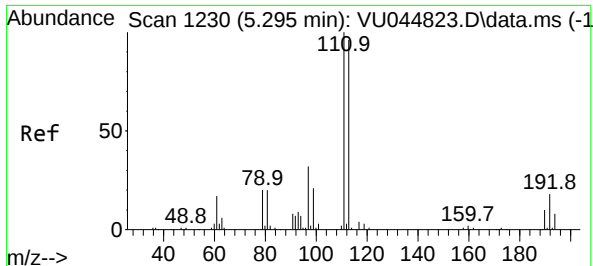


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. -0.000 min
Lab File: VU044830.D
Acq: 25 Sep 2021 12:42

Tgt Ion: 114 Resp: 320975
Ion Ratio Lower Upper
114 100
63 23.2 0.0 47.8
88 17.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.803 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. -0.000 min

Lab File: VU044830.D

Acq: 25 Sep 2021 12:42

Tgt Ion:113 Resp: 105260

Ion Ratio Lower Upper

113 100

111 101.7 84.1 126.1

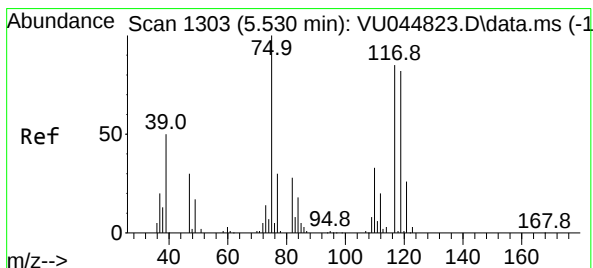
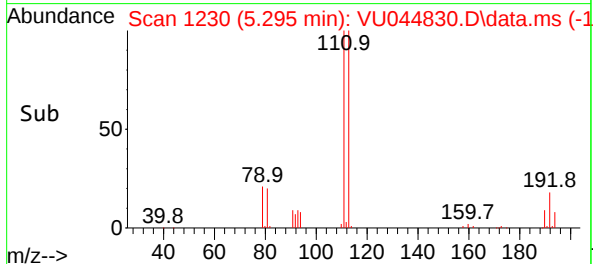
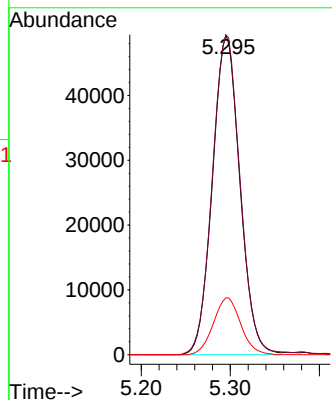
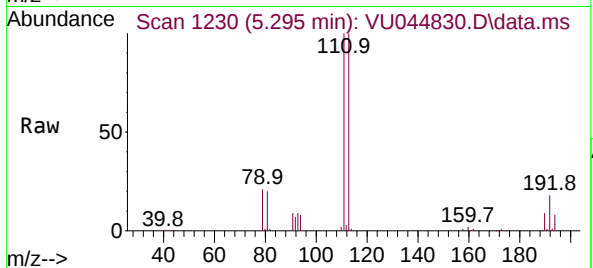
192 17.8 14.8 22.2

Instrument :

MSVOA_U

ClientSampleId :

VU0925MBL01



#36

1,1-Dichloropropene

Concen: 5.084 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. -0.151 min

Lab File: VU044830.D

Acq: 25 Sep 2021 12:42

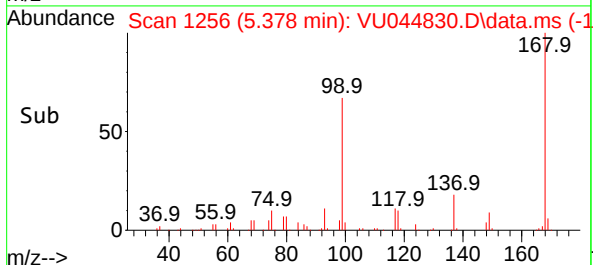
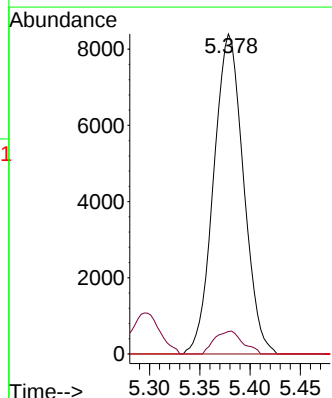
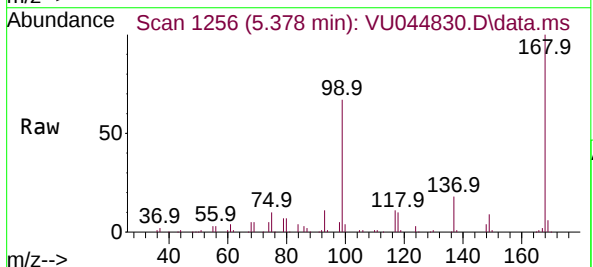
Tgt Ion: 75 Resp: 17314

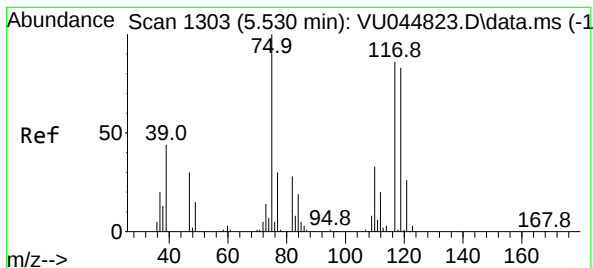
Ion Ratio Lower Upper

75 100

110 6.8 16.3 48.9#

77 0.0 25.0 37.4#

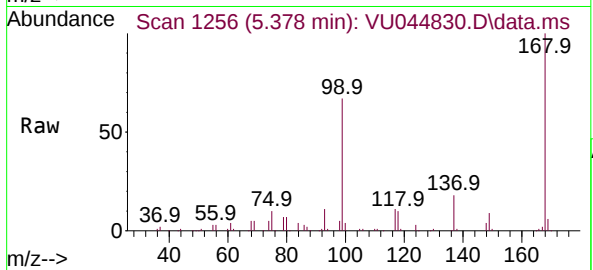




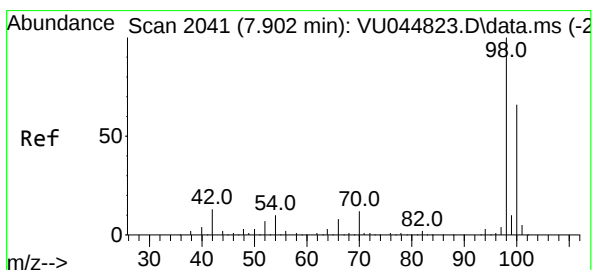
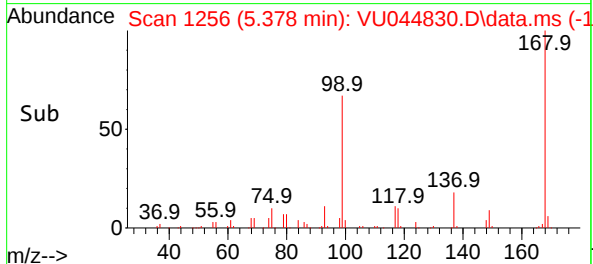
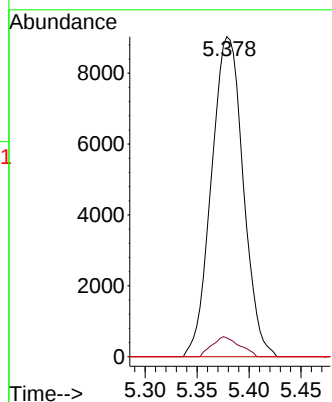
#38

Carbon Tetrachloride
Concen: 6.305 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU044830.D
Acq: 25 Sep 2021 12:42

Instrument :
MSVOA_U
ClientSampled :
VU0925MBL01



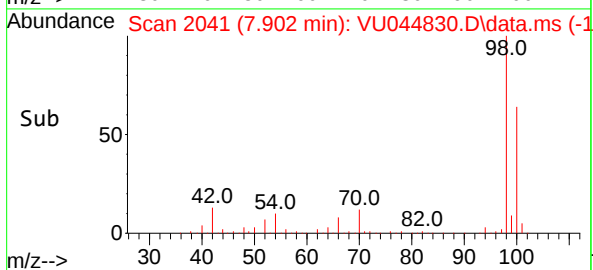
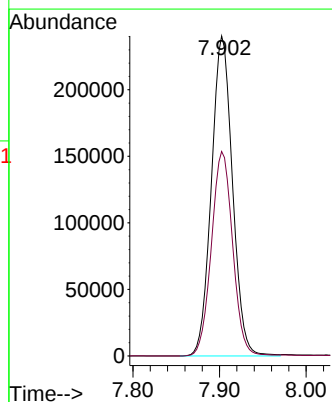
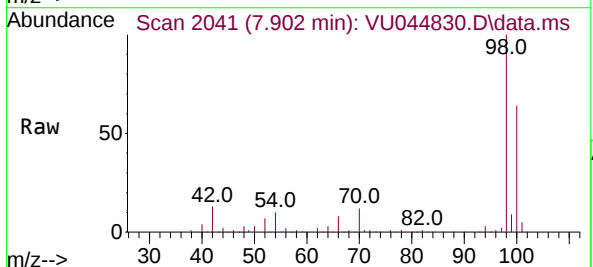
Tgt Ion: 117 Resp: 19195
Ion Ratio Lower Upper
117 100
119 5.8 77.4 116.2#
121 0.0 24.5 36.7#

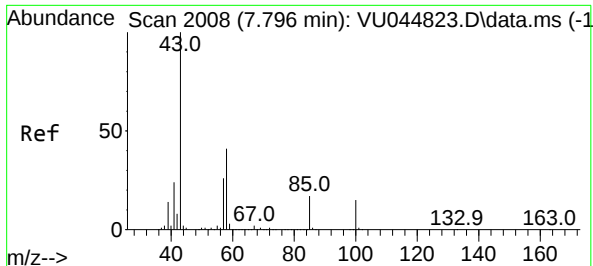


#50

Toluene-d8
Concen: 48.870 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VU044830.D
Acq: 25 Sep 2021 12:42

Tgt Ion: 98 Resp: 406417
Ion Ratio Lower Upper
98 100
100 64.7 52.5 78.7

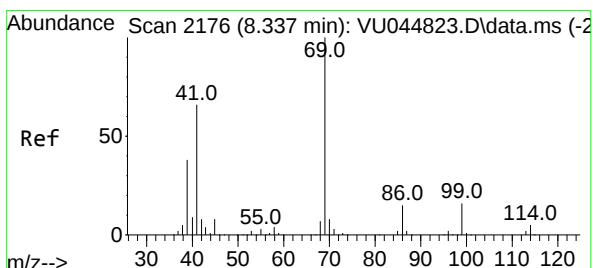
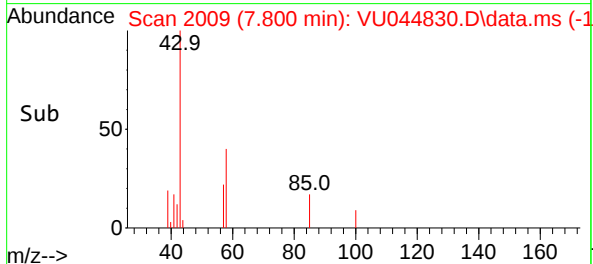
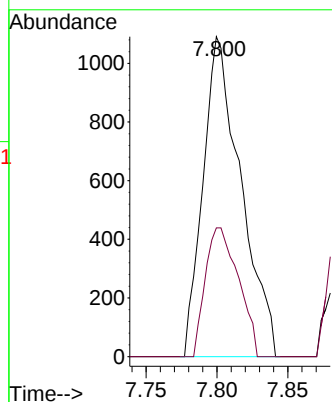
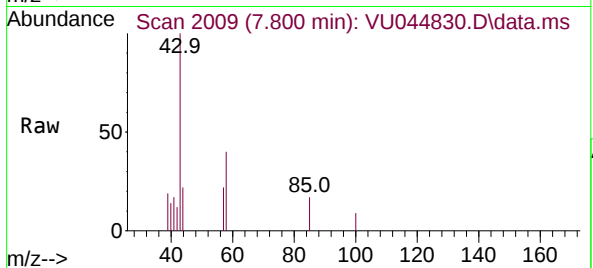




#51
4-Methyl-2-Pentanone
Concen: 0.406 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. 0.003 min
Lab File: VU044830.D
Acq: 25 Sep 2021 12:42

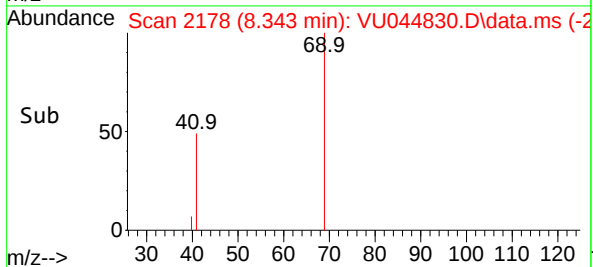
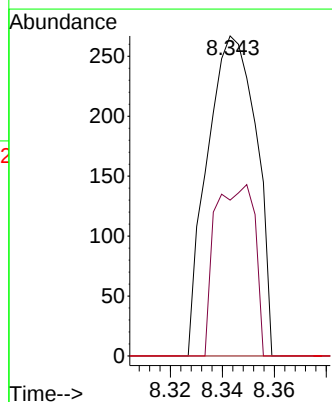
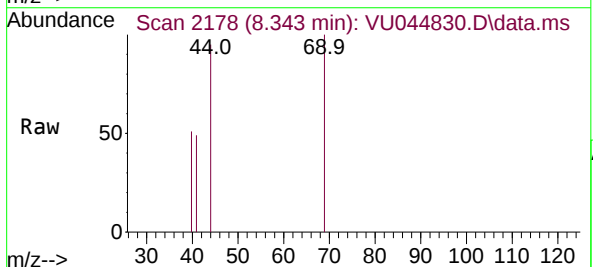
Instrument :
MSVOA_U
ClientSampleId :
VU0925MBL01

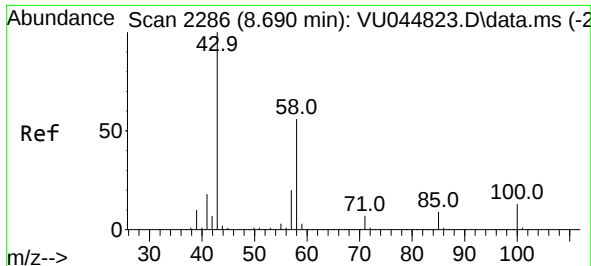
Tgt Ion: 43 Resp: 2021
Ion Ratio Lower Upper
43 100
58 35.2 32.4 48.6



#56
Ethyl methacrylate
Concen: 1.957 ug/l
RT: 8.343 min Scan# 2178
Delta R.T. 0.006 min
Lab File: VU044830.D
Acq: 25 Sep 2021 12:42

Tgt Ion: 69 Resp: 349
Ion Ratio Lower Upper
69 100
41 43.3 53.5 80.3#
39 0.0 31.1 46.7#





#59

2-Hexanone

Concen: 0.708 ug/l

RT: 8.693 min Scan# 2287

Delta R.T. 0.003 min

Lab File: VU044830.D

Acq: 25 Sep 2021 12:42

Tgt Ion: 43 Resp: 2833

Ion Ratio Lower Upper

43 100

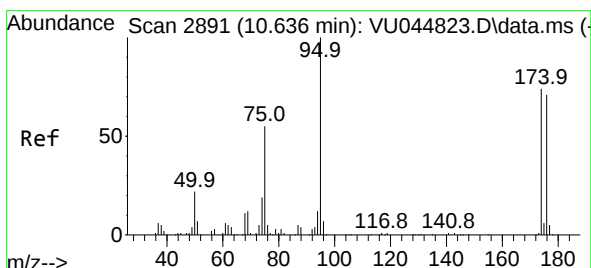
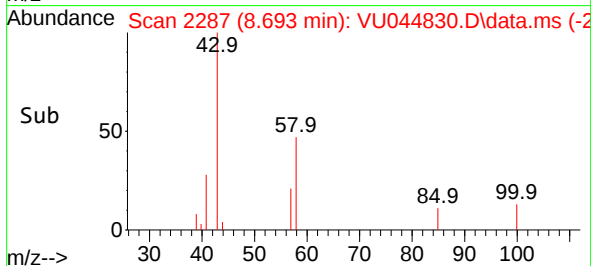
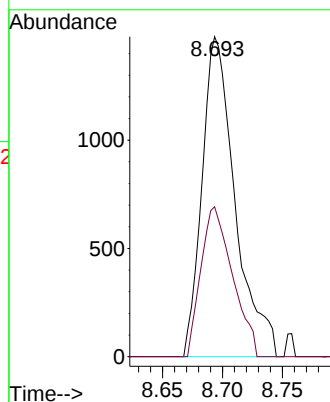
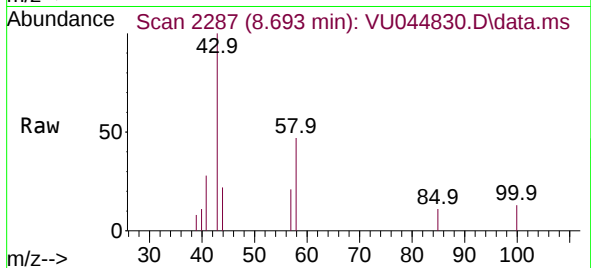
58 44.8 28.0 84.0

Instrument :

MSVOA_U

ClientSampleId :

VU0925MBL01



#62

4-Bromofluorobenzene

Concen: 44.841 ug/l

RT: 10.635 min Scan# 2891

Delta R.T. -0.000 min

Lab File: VU044830.D

Acq: 25 Sep 2021 12:42

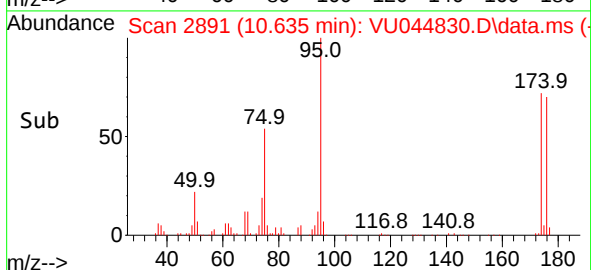
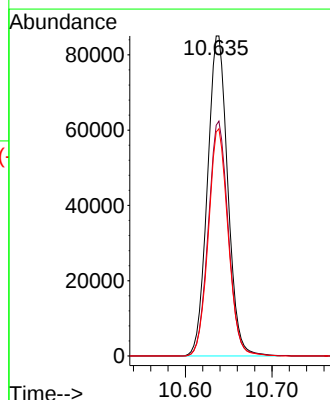
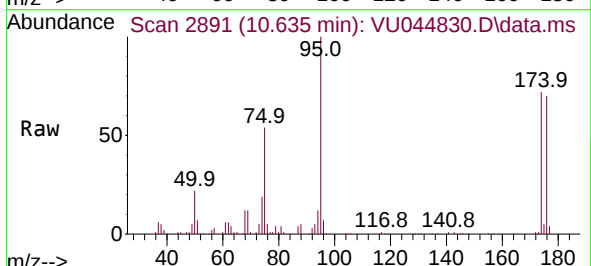
Tgt Ion: 95 Resp: 138506

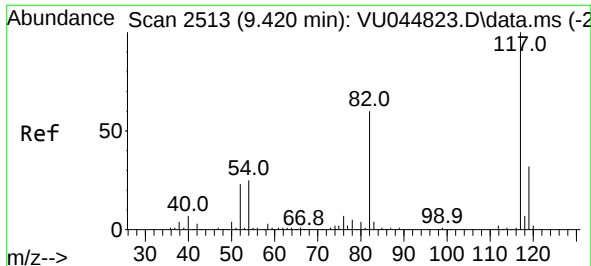
Ion Ratio Lower Upper

95 100

174 72.3 0.0 146.6

176 69.2 0.0 141.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.423 min Scan# 2514

Delta R.T. 0.003 min

Lab File: VU044830.D

Acq: 25 Sep 2021 12:42

Tgt Ion:117 Resp: 296579

Ion Ratio Lower Upper

117 100

82 60.5 47.8 71.8

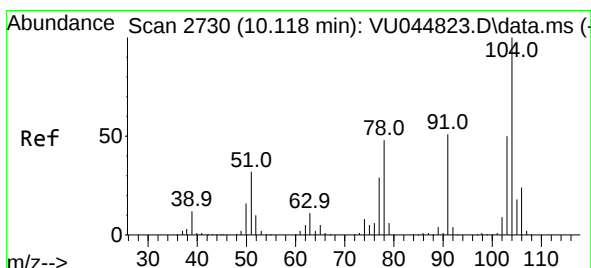
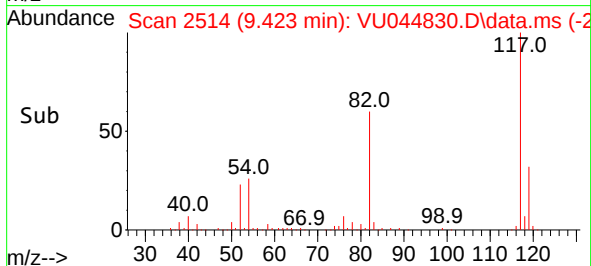
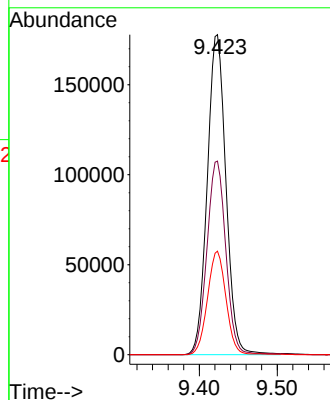
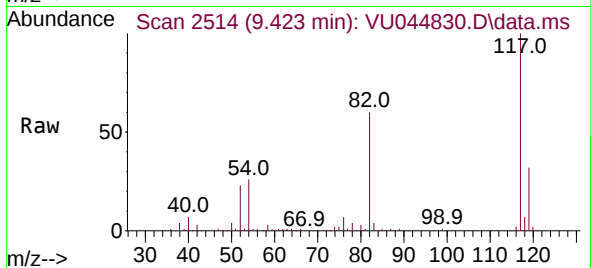
119 32.4 25.8 38.6

Instrument :

MSVOA_U

ClientSampleId :

VU0925MBL01



#70

Styrene

Concen: 1.088 ug/l

RT: 10.118 min Scan# 2730

Delta R.T. -0.000 min

Lab File: VU044830.D

Acq: 25 Sep 2021 12:42

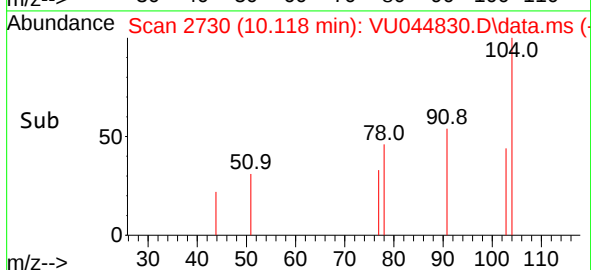
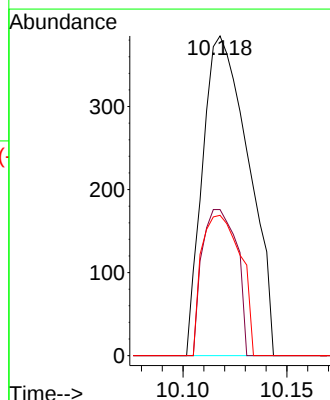
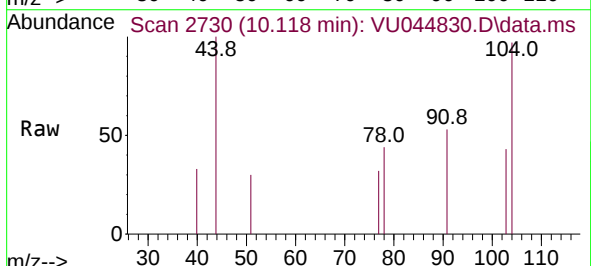
Tgt Ion:104 Resp: 592

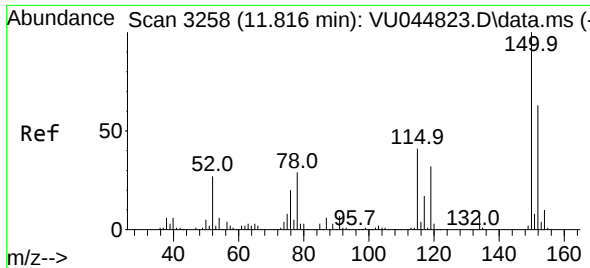
Ion Ratio Lower Upper

104 100

78 34.3 41.4 62.0#

103 37.2 43.5 65.3#

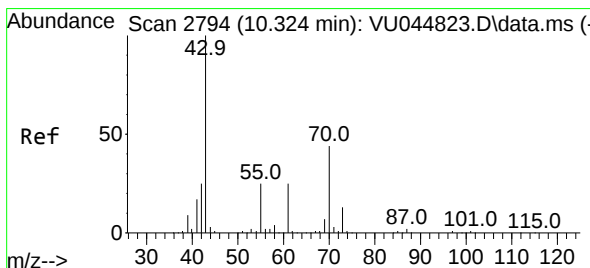
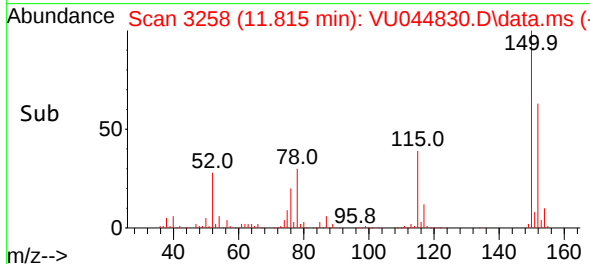
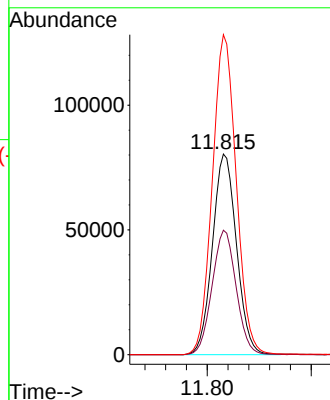
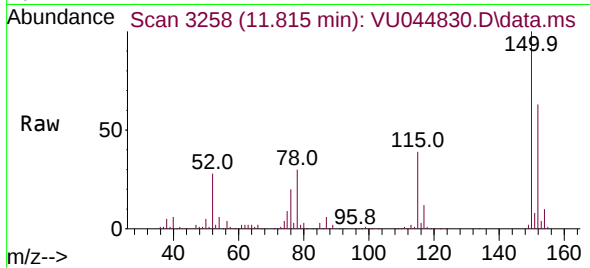




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.815 min Scan# 3258
 Delta R.T. -0.000 min
 Lab File: VU044830.D
 Acq: 25 Sep 2021 12:42

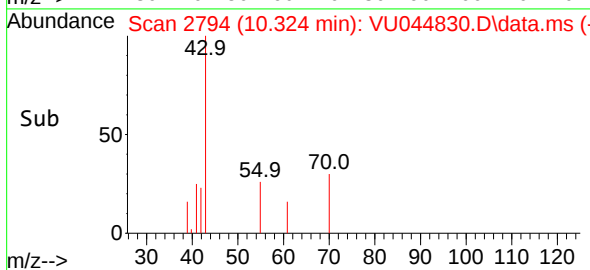
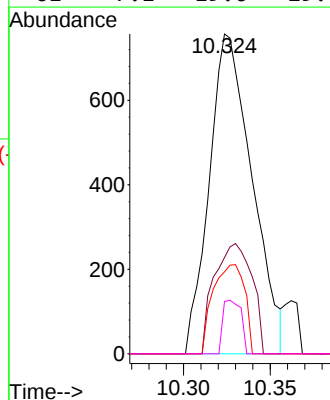
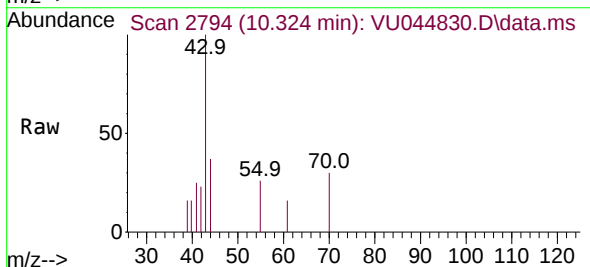
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0925MBL01

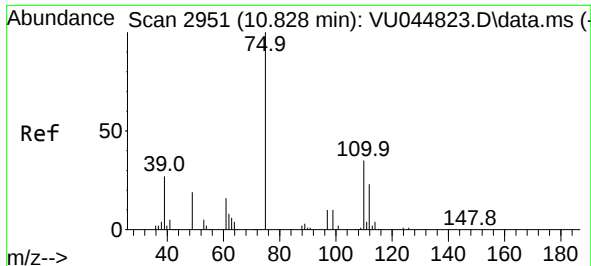
Tgt Ion:152 Resp: 129461
 Ion Ratio Lower Upper
 152 100
 115 61.9 43.5 130.7
 150 158.2 0.0 350.0



#74
 N-ethyl acetate
 Concen: 0.277 ug/l
 RT: 10.324 min Scan# 2794
 Delta R.T. -0.000 min
 Lab File: VU044830.D
 Acq: 25 Sep 2021 12:42

Tgt Ion: 43 Resp: 1298
 Ion Ratio Lower Upper
 43 100
 70 30.4 35.1 52.7#
 55 20.4 20.5 30.7#
 61 7.1 19.6 29.4#

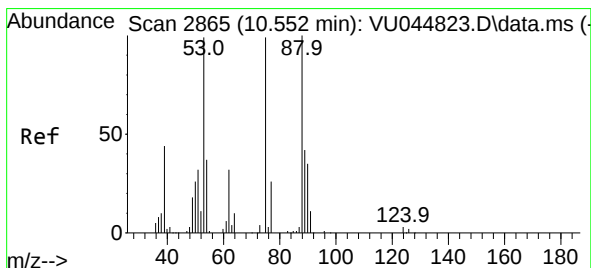
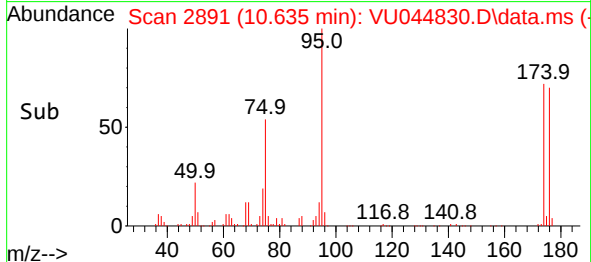
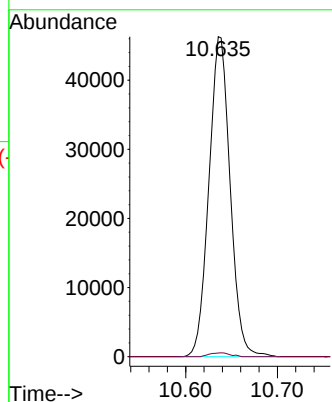
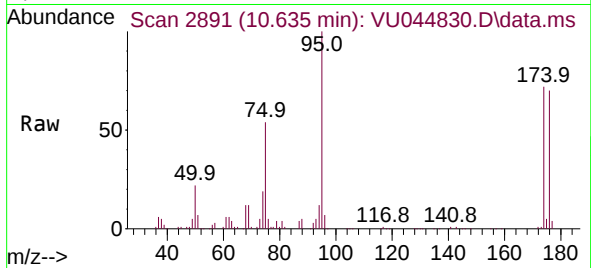




#76
1,2,3-Trichloropropane
Concen: 18.976 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU044830.D
Acq: 25 Sep 2021 12:42

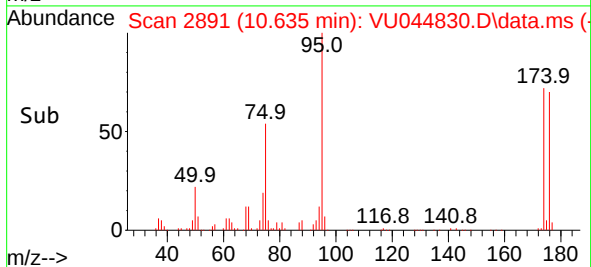
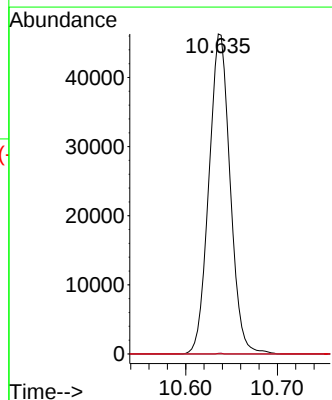
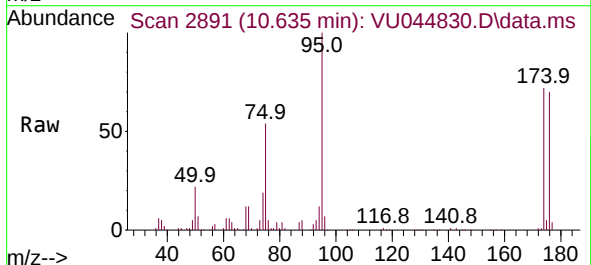
Instrument :
MSVOA_U
ClientSampleId :
VU0925MBL01

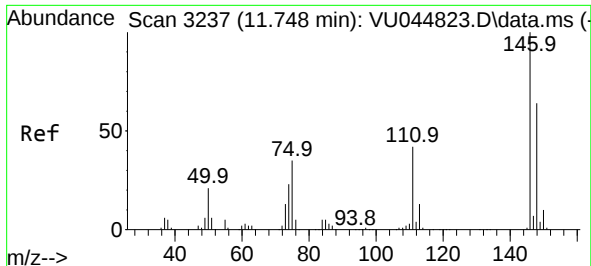
Tgt Ion: 75 Resp: 74393
Ion Ratio Lower Upper
75 100
77 1.2 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.473 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU044830.D
Acq: 25 Sep 2021 12:42

Tgt Ion: 75 Resp: 74393
Ion Ratio Lower Upper
75 100
53 0.1 82.0 123.0#
89 0.0 34.2 51.4#





#87

1,3-Dichlorobenzene

Concen: 0.221 ug/l

RT: 11.751 min Scan# 3238

Delta R.T. 0.003 min

Lab File: VU044830.D

Acq: 25 Sep 2021 12:42

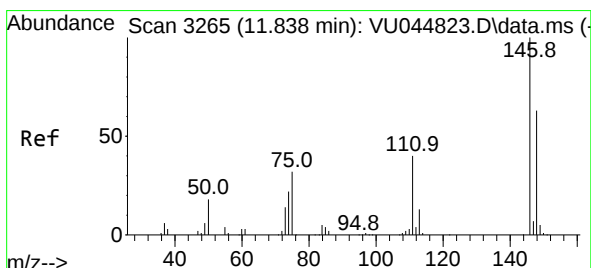
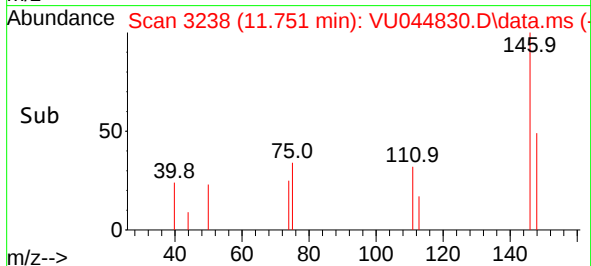
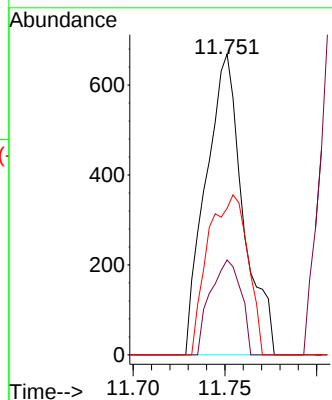
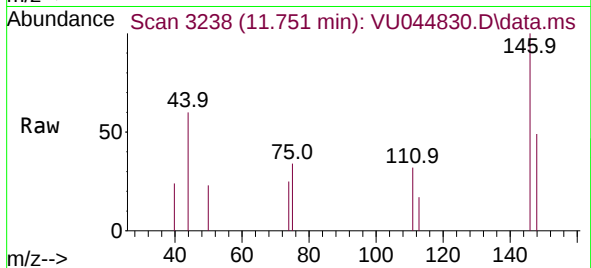
Tgt Ion:146 Resp: 943

Ion Ratio Lower Upper

146 100

111 25.8 21.2 63.6

148 56.9 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 0.214 ug/l

RT: 11.751 min Scan# 3238

Delta R.T. -0.087 min

Lab File: VU044830.D

Acq: 25 Sep 2021 12:42

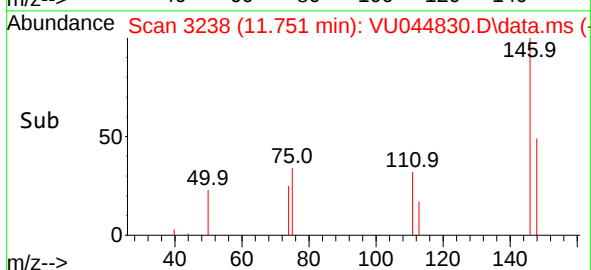
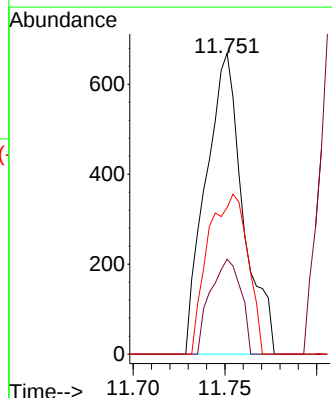
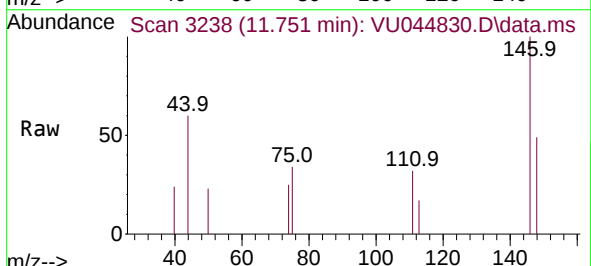
Tgt Ion:146 Resp: 943

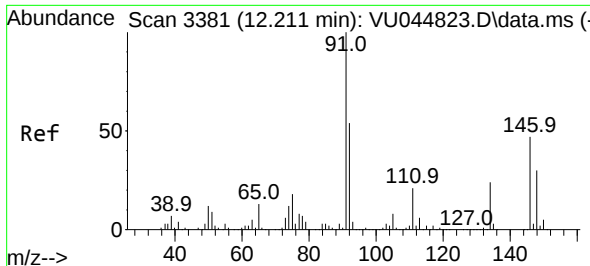
Ion Ratio Lower Upper

146 100

111 25.8 20.3 61.0

148 56.9 31.8 95.3

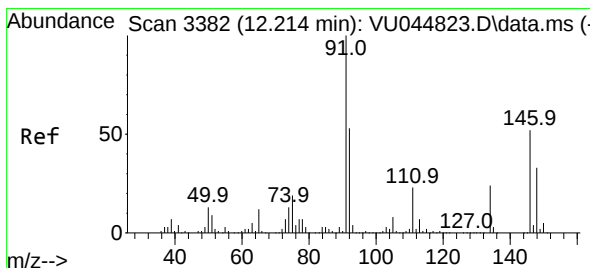
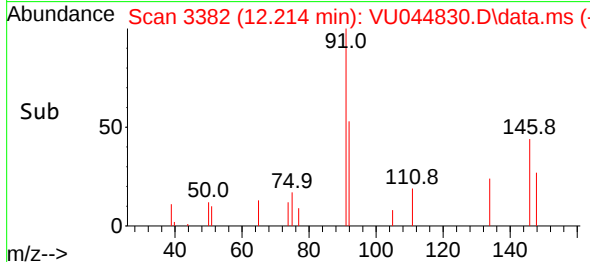
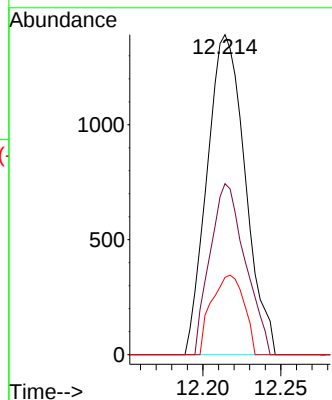
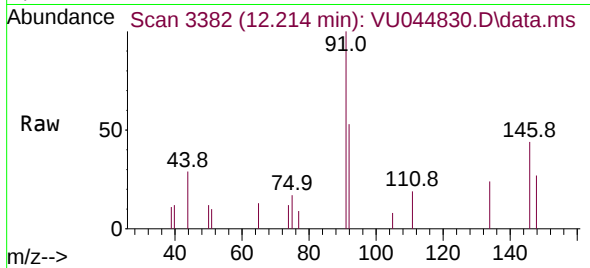




#89
n-Butylbenzene
Concen: 1.559 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU044830.D
Acq: 25 Sep 2021 12:42

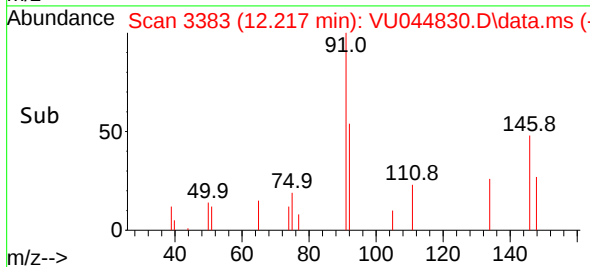
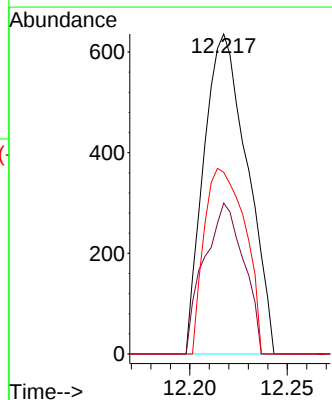
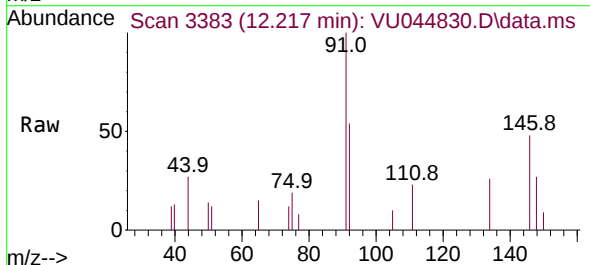
Instrument :
MSVOA_U
ClientSampled :
VU0925MBL01

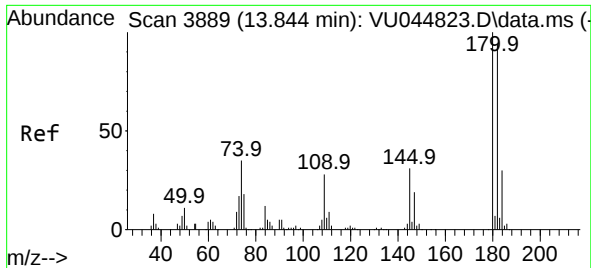
Tgt Ion: 91 Resp: 2363
Ion Ratio Lower Upper
91 100
92 49.3 26.8 80.4
134 21.1 11.8 35.4



#91
1,2-Dichlorobenzene
Concen: 0.218 ug/l
RT: 12.217 min Scan# 3383
Delta R.T. 0.003 min
Lab File: VU044830.D
Acq: 25 Sep 2021 12:42

Tgt Ion: 146 Resp: 986
Ion Ratio Lower Upper
146 100
111 43.0 21.4 64.3
148 54.6 31.8 95.3

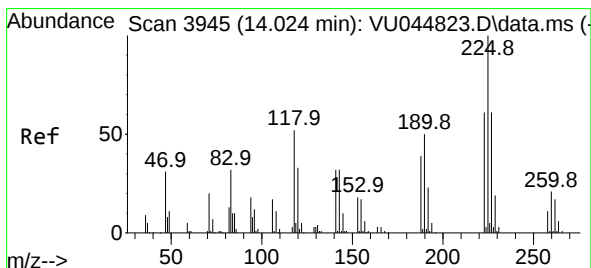
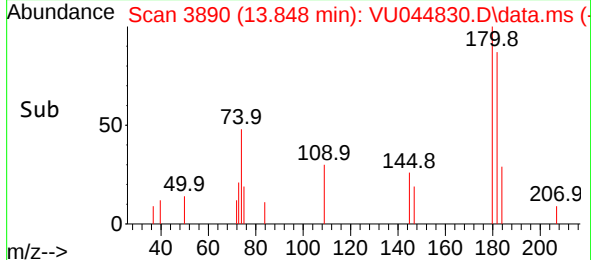
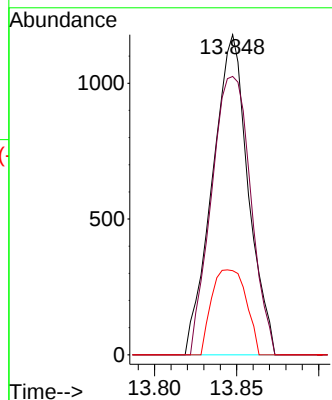
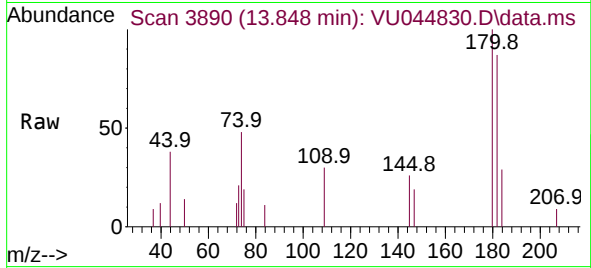




#93
1,2,4-Trichlorobenzene
Concen: 0.717 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. 0.003 min
Lab File: VU044830.D
Acq: 25 Sep 2021 12:42

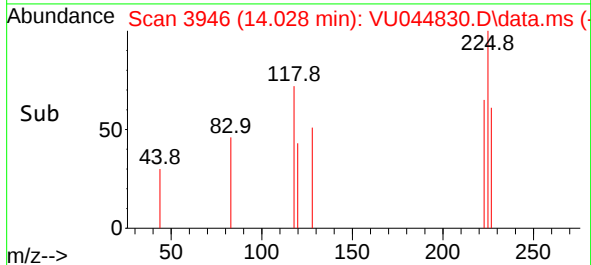
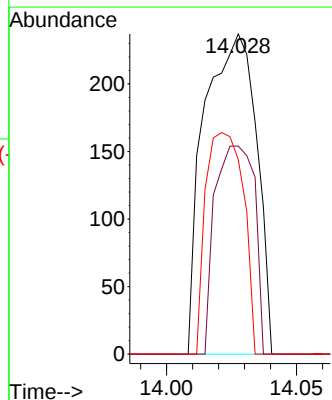
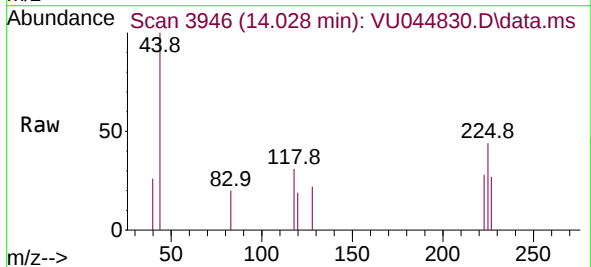
Instrument :
MSVOA_U
ClientSampled :
VU0925MBL01

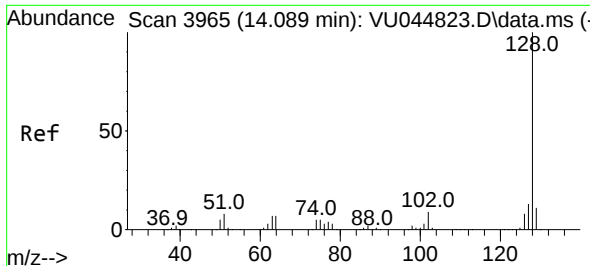
Tgt Ion:180 Resp: 1789
Ion Ratio Lower Upper
180 100
182 95.1 47.4 142.3
145 25.4 15.4 46.2



#94
Hexachlorobutadiene
Concen: 0.297 ug/l
RT: 14.028 min Scan# 3946
Delta R.T. 0.003 min
Lab File: VU044830.D
Acq: 25 Sep 2021 12:42

Tgt Ion:225 Resp: 330
Ion Ratio Lower Upper
225 100
223 49.1 31.1 93.3
227 50.0 31.4 94.3

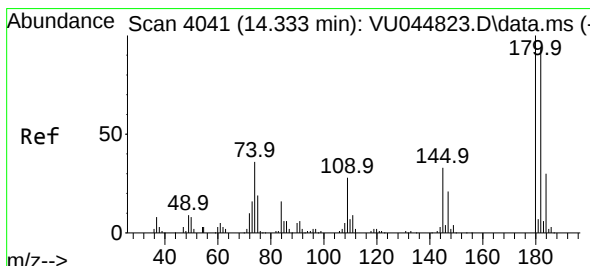
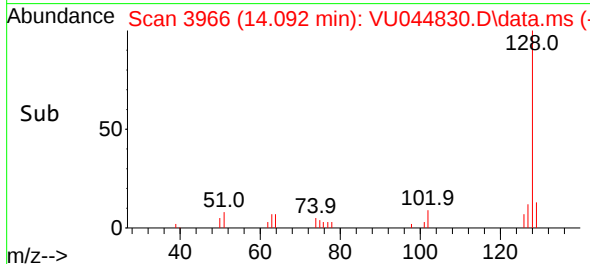
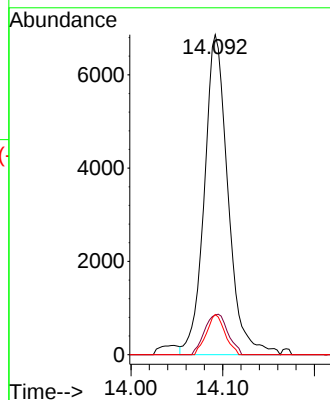
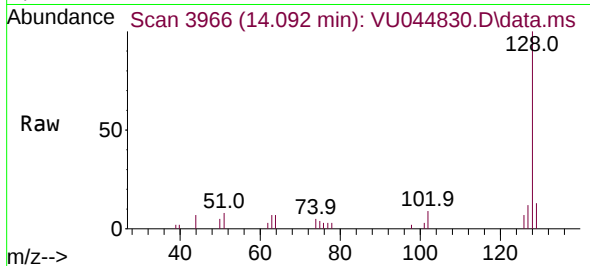




#95
Naphthalene
Concen: 2.160 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU044830.D
Acq: 25 Sep 2021 12:42

Instrument :
MSVOA_U
ClientSampleId :
VU0925MBL01

Tgt Ion:128	Resp:	12314
Ion Ratio	Lower	Upper
128	100	
127	12.4	10.4 15.6
129	9.8	8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.893 ug/l
RT: 14.336 min Scan# 4042
Delta R.T. 0.003 min
Lab File: VU044830.D
Acq: 25 Sep 2021 12:42

Tgt Ion:180	Resp:	2264
Ion Ratio	Lower	Upper
180	100	
182	102.7	47.1 141.4
145	34.8	16.4 49.2

