

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092821\
 Data File : VU044959.D
 Acq On : 28 Sep 2021 23:00
 Operator : SY/MD
 Sample : VU0928WBL02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBL02

Quant Time: Sep 29 05:48:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 12:32:13 2021
 Response via : Initial Calibration

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

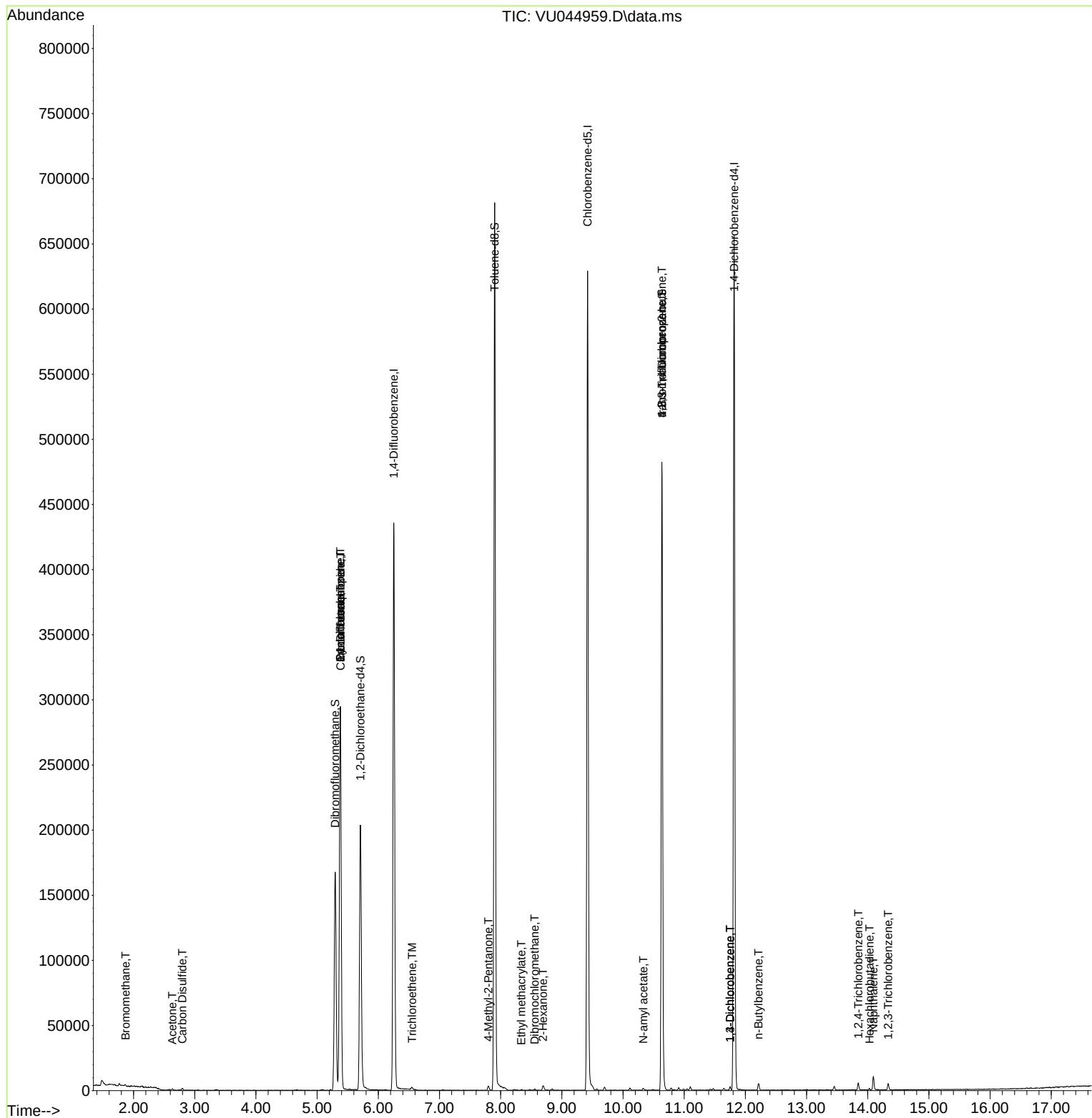
Internal Standards						
1) Pentafluorobenzene	5.379	168	192705	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	342182	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	327980	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	162181	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	157663	49.150	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.300%
35) Dibromofluoromethane	5.295	113	109149	50.565	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.120%
50) Toluene-d8	7.903	98	438913	51.461	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.920%
62) 4-Bromofluorobenzene	10.636	95	162132	46.044	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.080%
Target Compounds						
					Qvalue	
5) Bromomethane	1.867	94	449	0.371	ug/l	100
16) Acetone	2.636	43	1350	0.709	ug/l	90
17) Carbon Disulfide	2.797	76	1862	0.276	ug/l #	75
31) Cyclohexane	5.379	56	5087	1.044	ug/l #	1
36) 1,1-Dichloropropene	5.379	75	17868	4.993	ug/l #	49
38) Carbon Tetrachloride	5.382	117	19635	6.341	ug/l #	15
44) Trichloroethene	6.552	130	560	0.223	ug/l	84
51) 4-Methyl-2-Pentanone	7.800	43	2695	0.520	ug/l	94
56) Ethyl methacrylate	8.337	69	332	1.880	ug/l #	85
59) 2-Hexanone	8.690	43	3192	0.756	ug/l	90
60) Dibromochloromethane	8.555	129	187	2.237	ug/l #	10
74) N-amyl acetate	10.330	43	1299	0.214	ug/l #	73
76) 1,2,3-Trichloropropane	10.636	75	88457	18.699	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	88457	51.893	ug/l #	9
87) 1,3-Dichlorobenzene	11.751	146	1232	0.221	ug/l	97
88) 1,4-Dichlorobenzene	11.751	146	1232	0.216	ug/l	98
89) n-Butylbenzene	12.214	91	2369	0.241	ug/l	96
93) 1,2,4-Trichlorobenzene	13.844	180	1919	0.603	ug/l	97
94) Hexachlorobutadiene	14.028	225	320	0.241	ug/l #	63
95) Naphthalene	14.092	128	8756	0.732	ug/l	97
96) 1,2,3-Trichlorobenzene	14.333	180	1917	0.600	ug/l	92

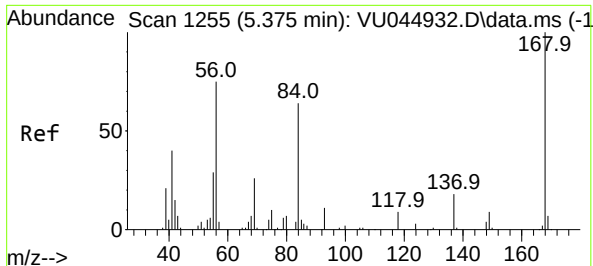
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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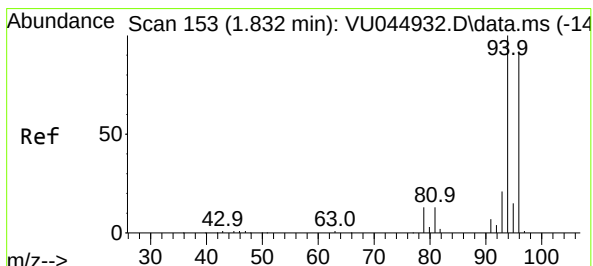
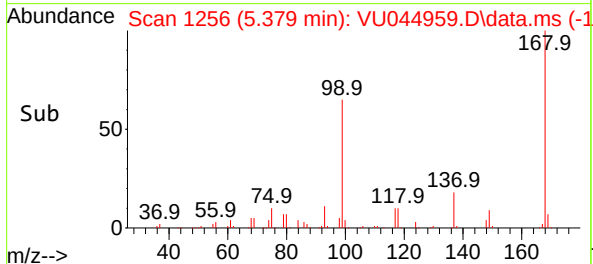
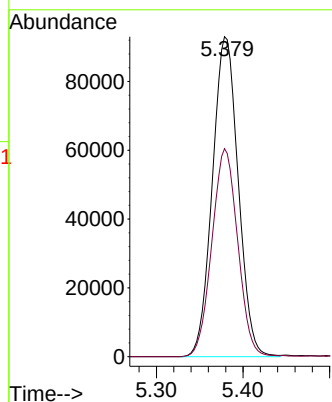
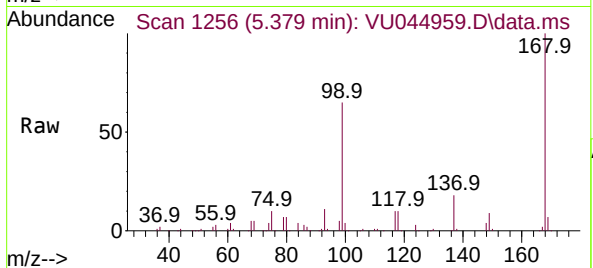




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU044959.D
Acq: 28 Sep 2021 23:00

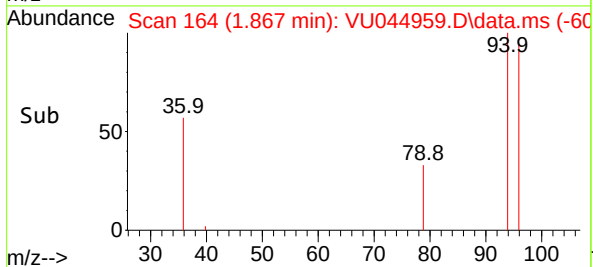
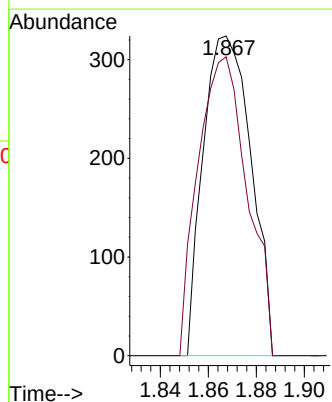
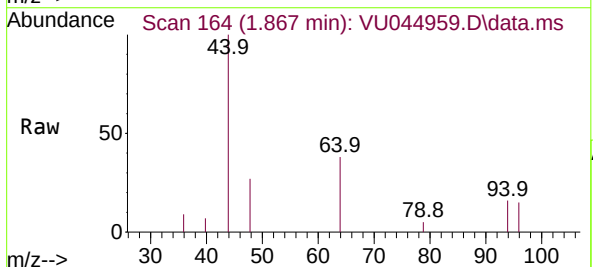
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBL02

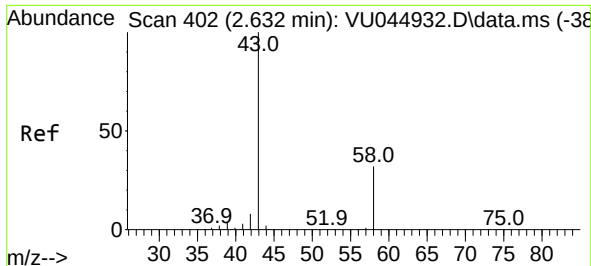
Tgt Ion:168 Resp: 192705
Ion Ratio Lower Upper
168 100
99 65.0 51.4 77.0



#5
Bromomethane
Concen: 0.371 ug/l
RT: 1.867 min Scan# 164
Delta R.T. 0.035 min
Lab File: VU044959.D
Acq: 28 Sep 2021 23:00

Tgt Ion: 94 Resp: 449
Ion Ratio Lower Upper
94 100
96 93.5 74.5 111.7





#16

Acetone

Concen: 0.709 ug/l

RT: 2.636 min Scan# 402

Delta R.T. 0.004 min

Lab File: VU044959.D

Acq: 28 Sep 2021 23:00

Instrument :

MSVOA_U

ClientSampleId :

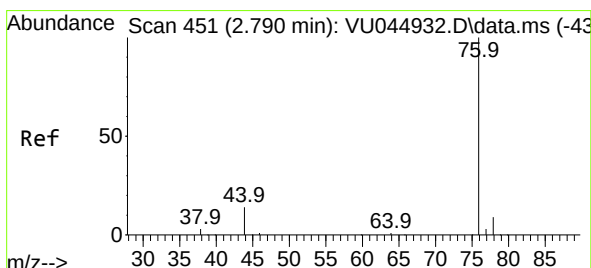
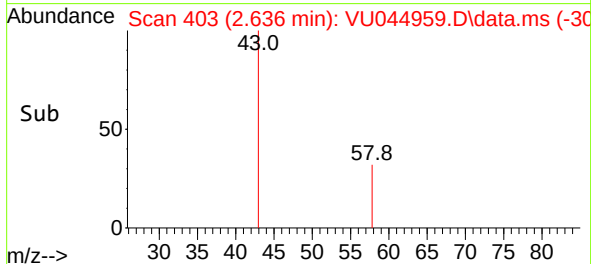
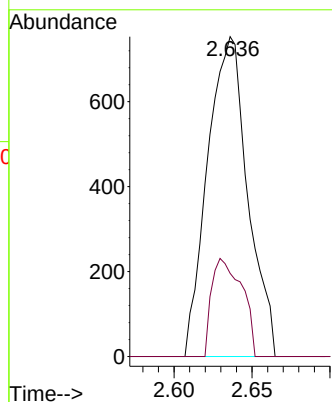
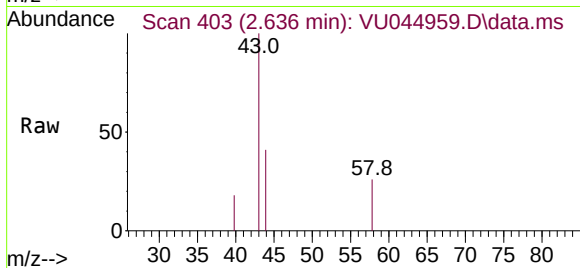
VU0928WBL02

Tgt Ion: 43 Resp: 1350

Ion Ratio Lower Upper

43 100

58 26.0 25.2 37.8



#17

Carbon Disulfide

Concen: 0.276 ug/l

RT: 2.797 min Scan# 453

Delta R.T. 0.007 min

Lab File: VU044959.D

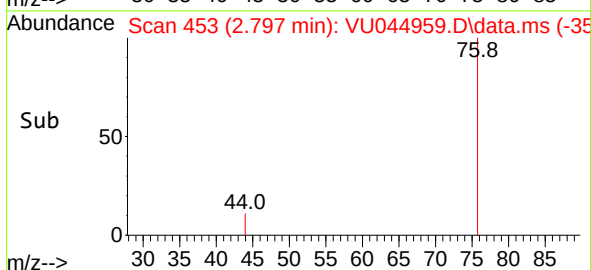
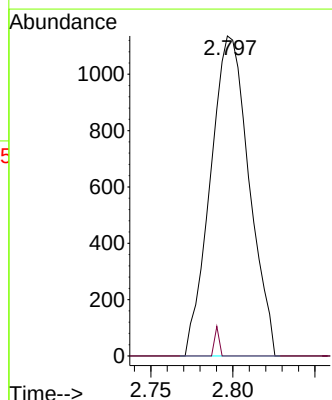
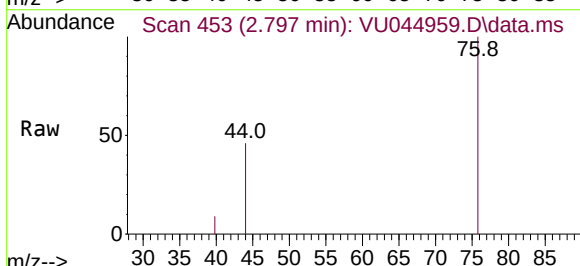
Acq: 28 Sep 2021 23:00

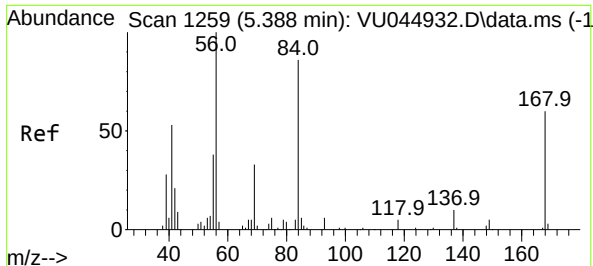
Tgt Ion: 76 Resp: 1862

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#

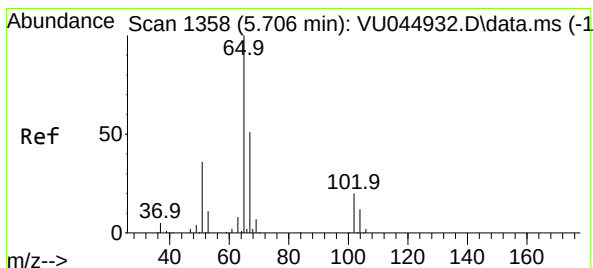
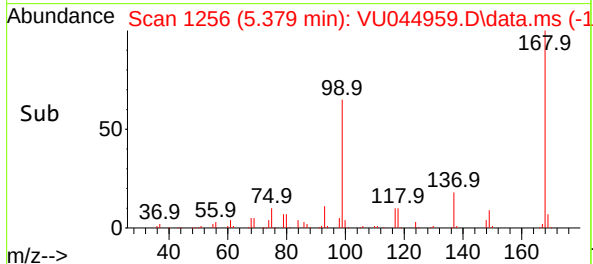
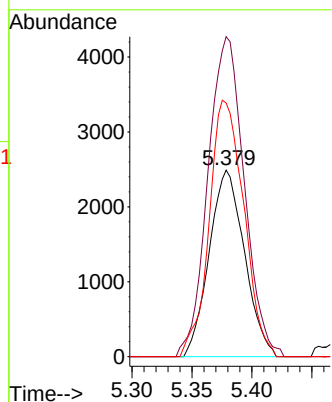
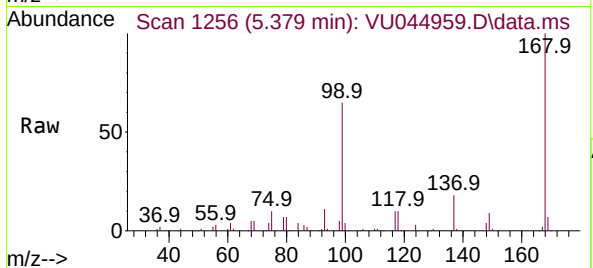




#31
Cyclohexane
Concen: 1.044 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.009 min
Lab File: VU044959.D
Acq: 28 Sep 2021 23:00

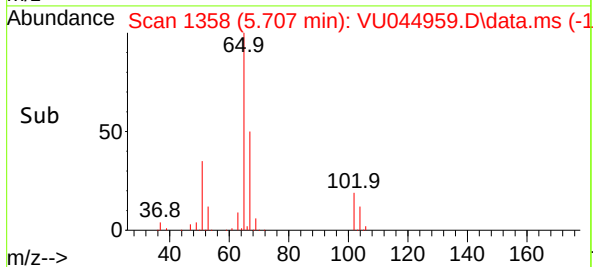
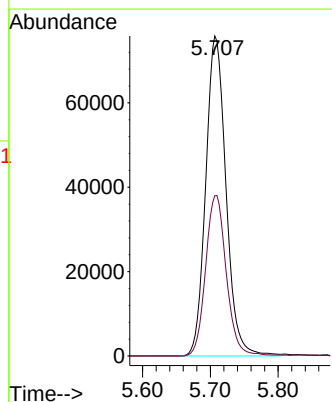
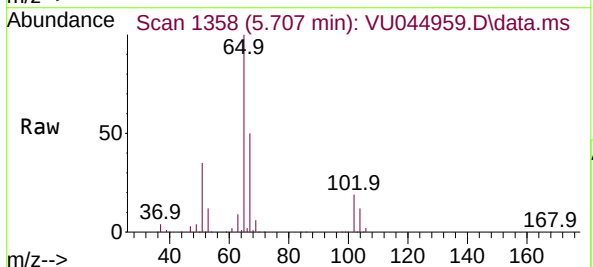
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBL02

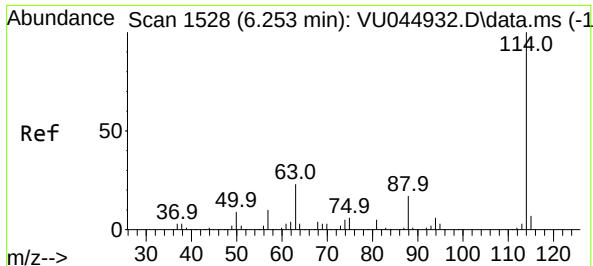
Tgt Ion: 56 Resp: 5087
Ion Ratio Lower Upper
56 100
69 167.4 25.2 37.8#
84 136.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 49.150 ug/l
RT: 5.707 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VU044959.D
Acq: 28 Sep 2021 23:00

Tgt Ion: 65 Resp: 157663
Ion Ratio Lower Upper
65 100
67 51.1 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU044959.D

Acq: 28 Sep 2021 23:00

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBL02

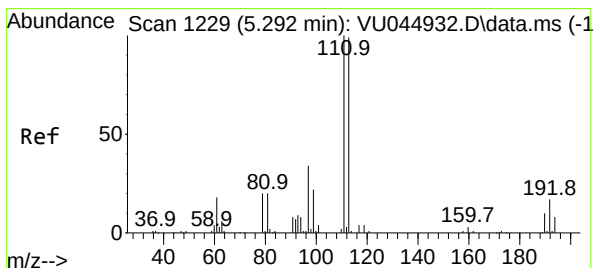
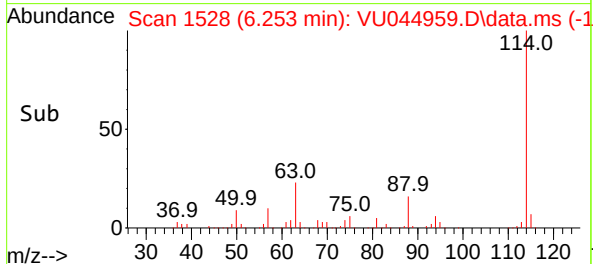
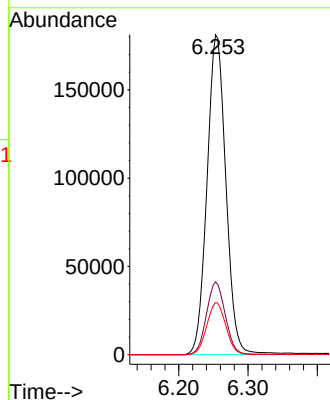
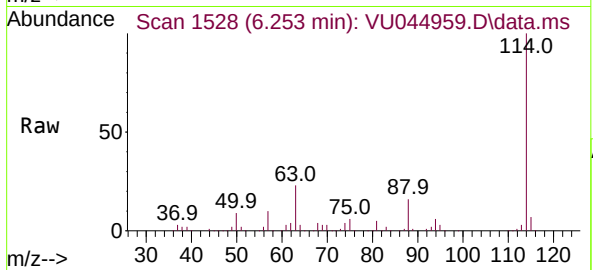
Tgt Ion:114 Resp: 342182

Ion Ratio Lower Upper

114 100

63 22.7 0.0 47.8

88 16.3 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.565 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. 0.003 min

Lab File: VU044959.D

Acq: 28 Sep 2021 23:00

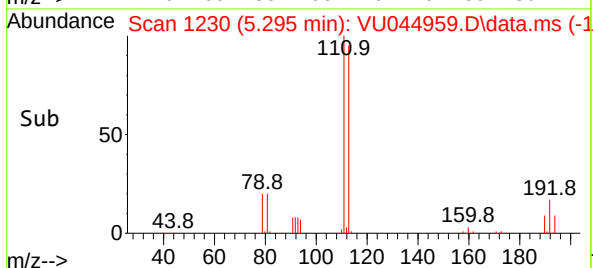
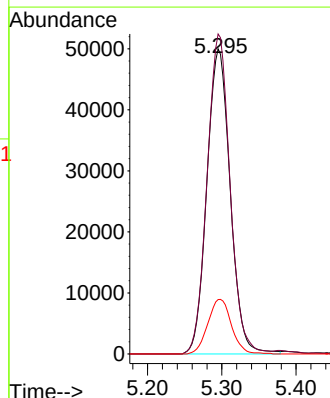
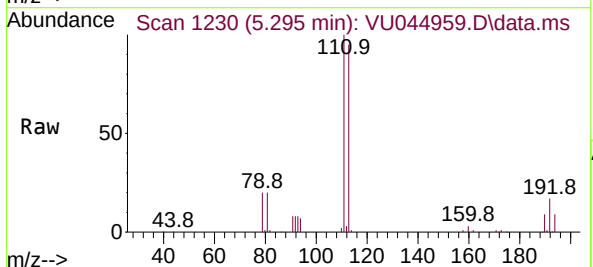
Tgt Ion:113 Resp: 109149

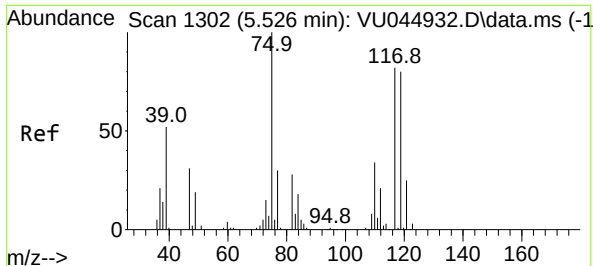
Ion Ratio Lower Upper

113 100

111 103.0 84.1 126.1

192 18.1 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.993 ug/l

RT: 5.379 min Scan# 11

Delta R.T. -0.147 min

Lab File: VU044959.D

Acq: 28 Sep 2021 23:00

Instrument :

MSVOA_U

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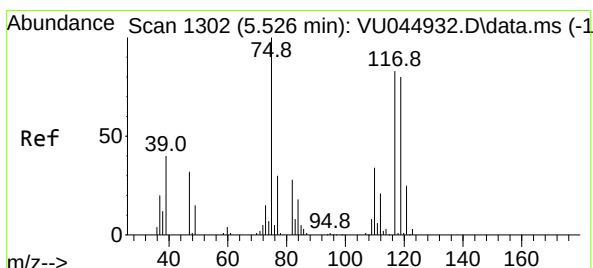
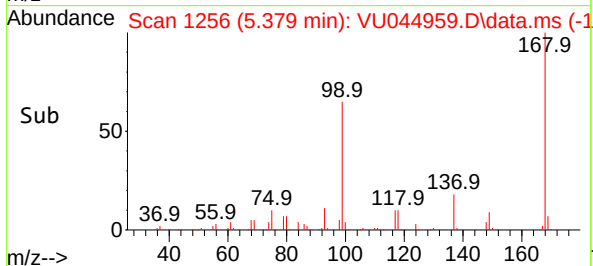
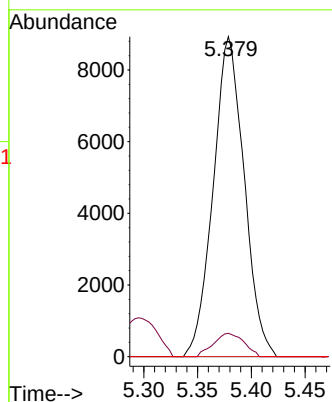
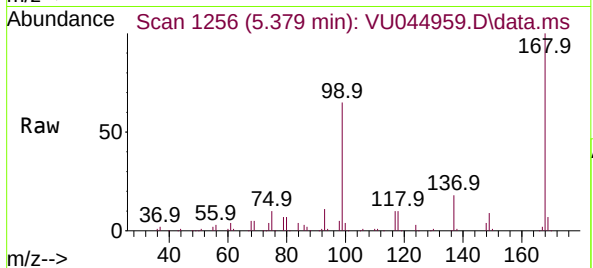
Tgt Ion: 75 Resp: 17868

Ion Ratio Lower Upper

75 100

110 7.2 16.3 48.9#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.341 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.144 min

Lab File: VU044959.D

Acq: 28 Sep 2021 23:00

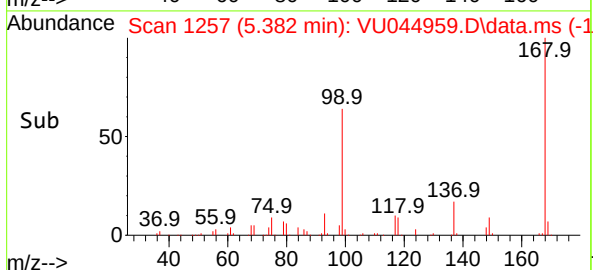
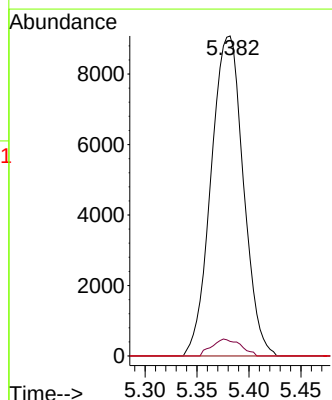
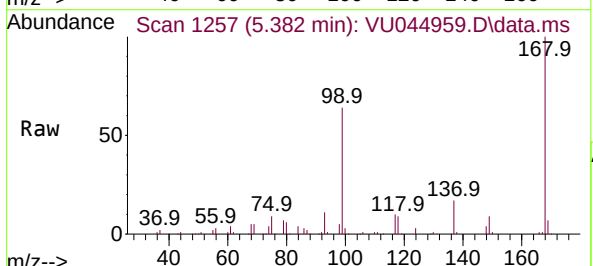
Tgt Ion: 117 Resp: 19635

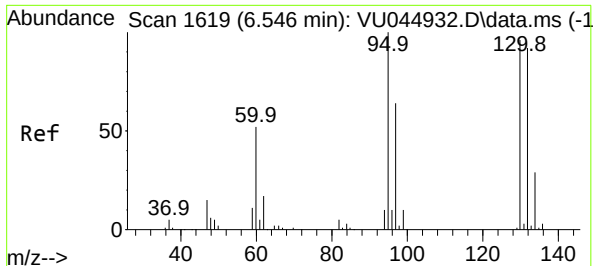
Ion Ratio Lower Upper

117 100

119 4.5 77.4 116.2#

121 0.0 24.5 36.7#

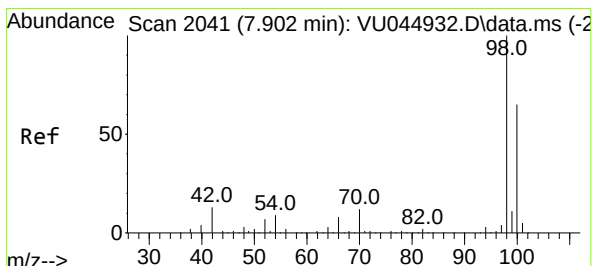
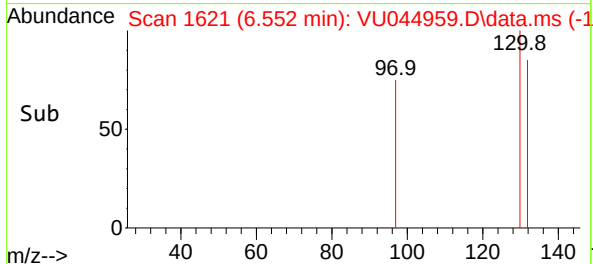
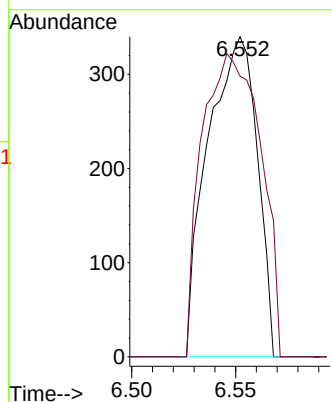
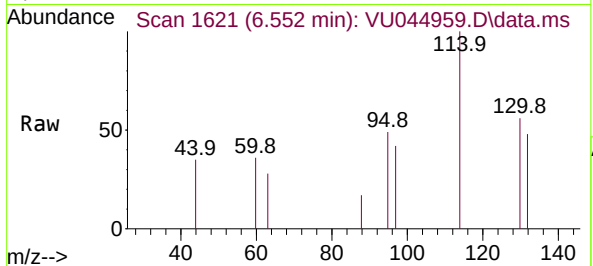




#44
Trichloroethene
Concen: 0.223 ug/l
RT: 6.552 min Scan# 1
Delta R.T. 0.006 min
Lab File: VU044959.D
Acq: 28 Sep 2021 23:00

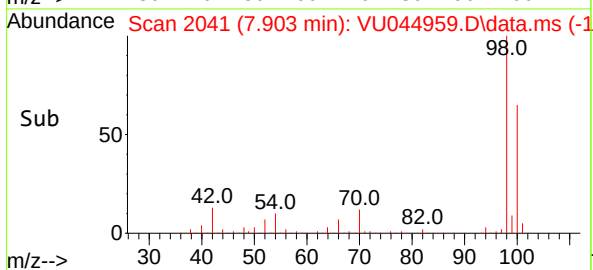
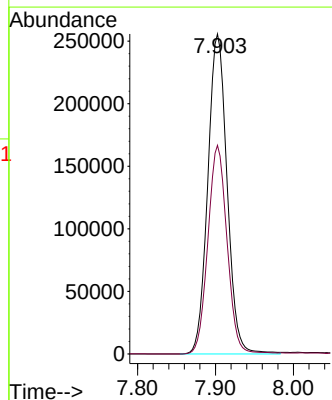
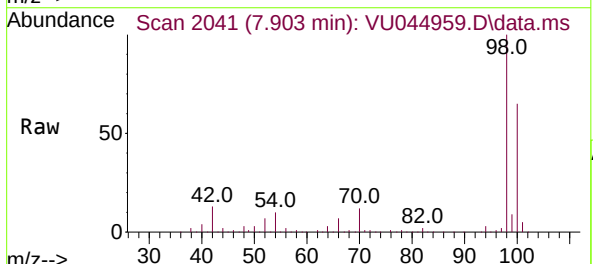
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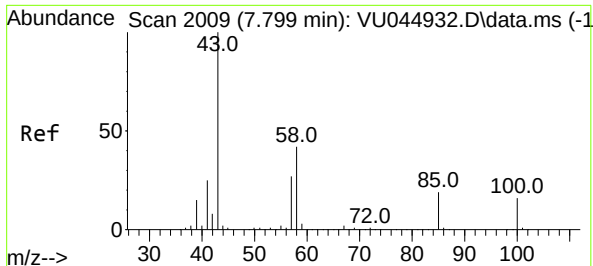
Tgt Ion:130 Resp: 560
Ion Ratio Lower Upper
130 100
95 87.6 0.0 209.0



#50
Toluene-d8
Concen: 51.461 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.001 min
Lab File: VU044959.D
Acq: 28 Sep 2021 23:00

Tgt Ion: 98 Resp: 438913
Ion Ratio Lower Upper
98 100
100 64.9 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.520 ug/l

RT: 7.800 min Scan# 2009

Delta R.T. 0.001 min

Lab File: VU044959.D

Acq: 28 Sep 2021 23:00

Instrument :

MSVOA_U

ClientSampleId :

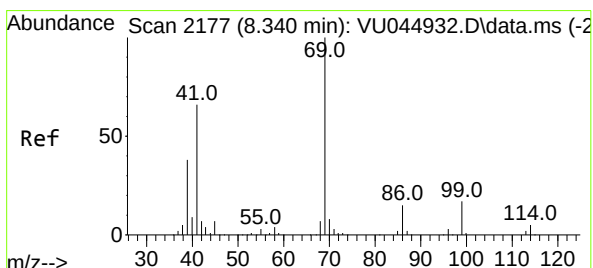
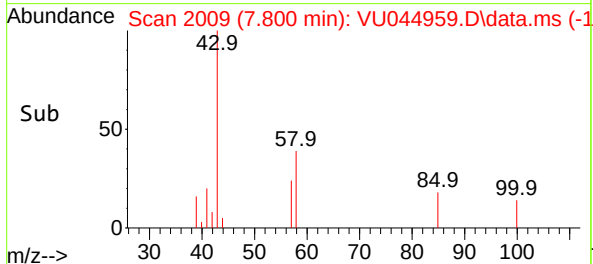
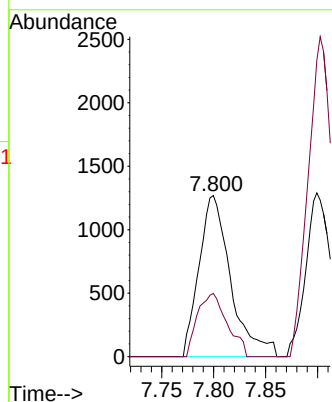
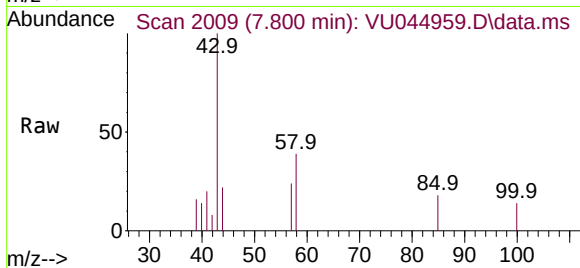
VU0928WBL02

Tgt Ion: 43 Resp: 2695

Ion Ratio Lower Upper

43 100

58 36.7 32.4 48.6



#56

Ethyl methacrylate

Concen: 1.880 ug/l

RT: 8.337 min Scan# 2176

Delta R.T. -0.003 min

Lab File: VU044959.D

Acq: 28 Sep 2021 23:00

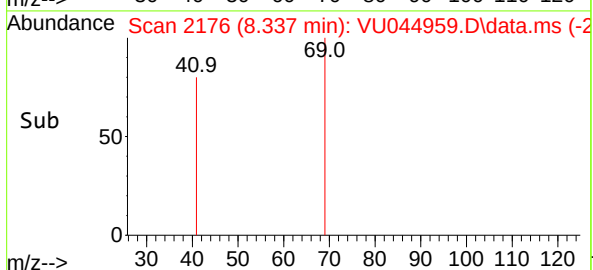
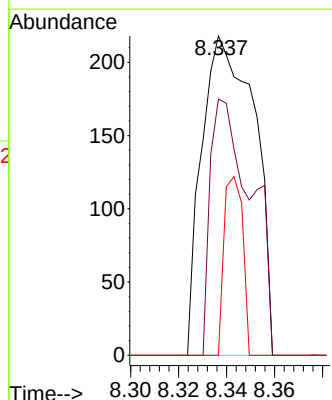
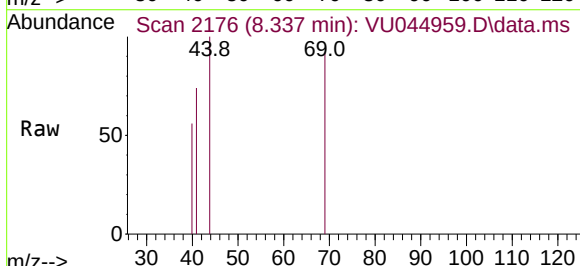
Tgt Ion: 69 Resp: 332

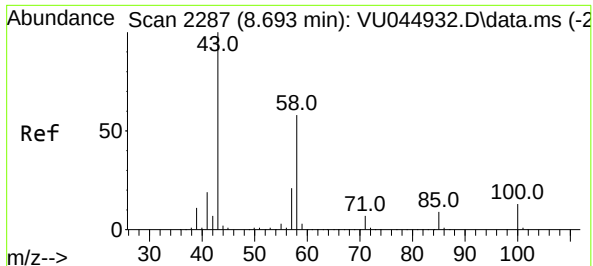
Ion Ratio Lower Upper

69 100

41 62.3 53.5 80.3

39 19.9 31.1 46.7#





#59

2-Hexanone

Concen: 0.756 ug/l

RT: 8.690 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU044959.D

Acq: 28 Sep 2021 23:00

Instrument :

MSVOA_U

ClientSampleId :

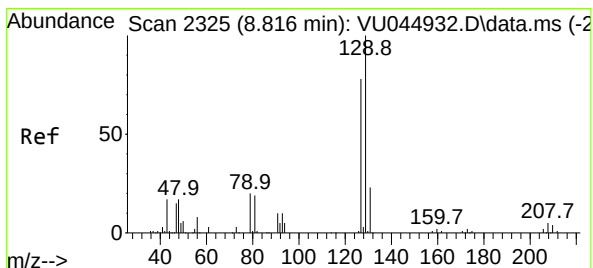
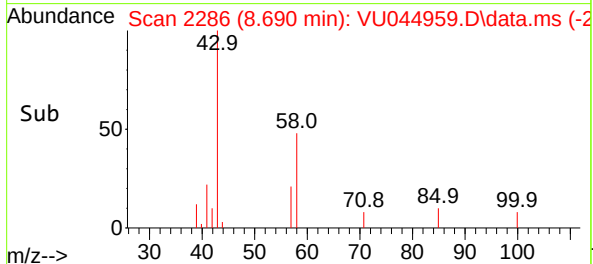
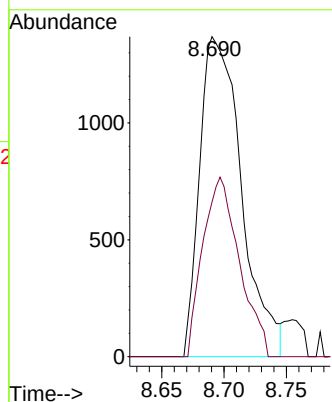
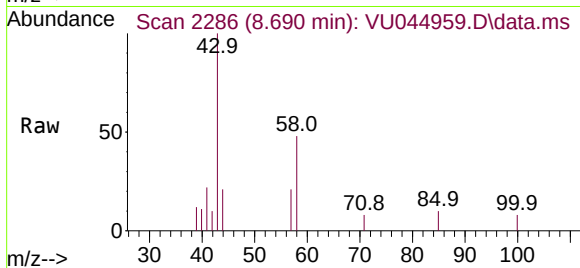
VU0928WBL02

Tgt Ion: 43 Resp: 3192

Ion Ratio Lower Upper

43 100

58 49.1 28.0 84.0



#60

Dibromochloromethane

Concen: 2.237 ug/l

RT: 8.555 min Scan# 2244

Delta R.T. -0.261 min

Lab File: VU044959.D

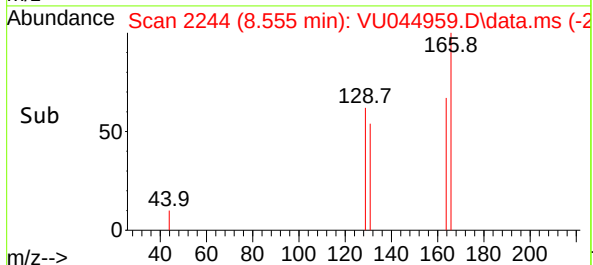
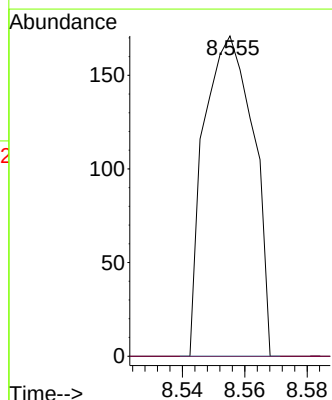
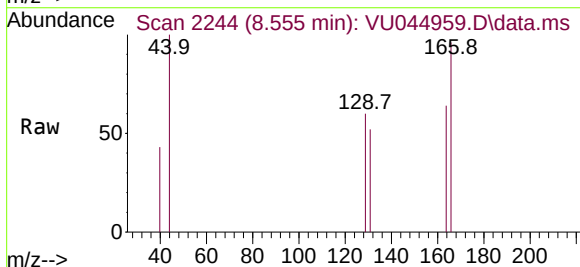
Acq: 28 Sep 2021 23:00

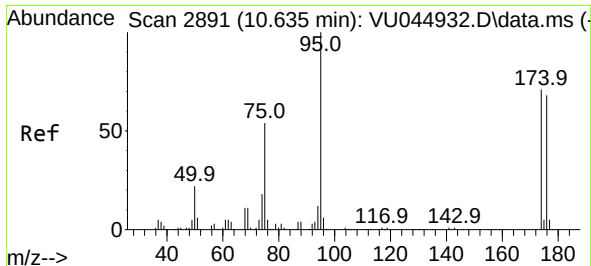
Tgt Ion: 129 Resp: 187

Ion Ratio Lower Upper

129 100

127 0.0 39.0 117.0#

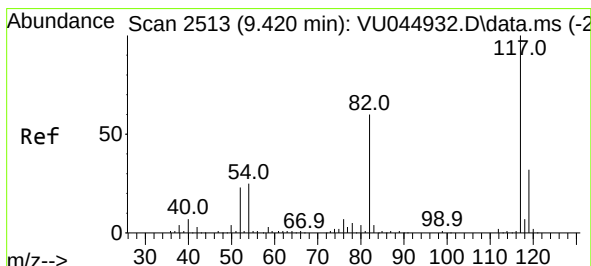
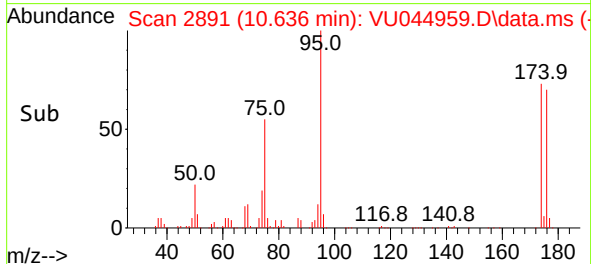
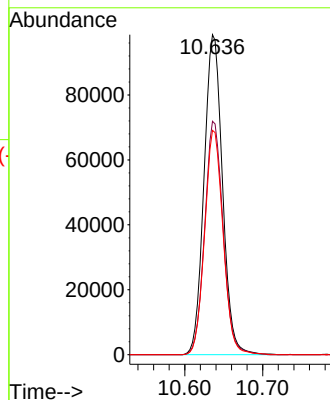
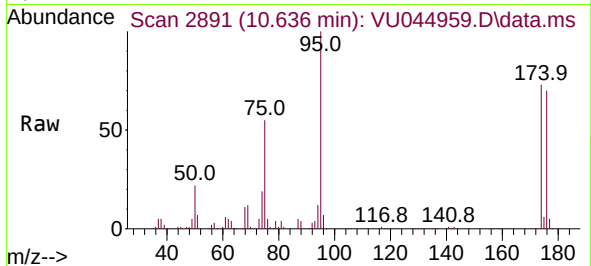




#62
4-Bromofluorobenzene
Concen: 46.044 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.001 min
Lab File: VU044959.D
Acq: 28 Sep 2021 23:00

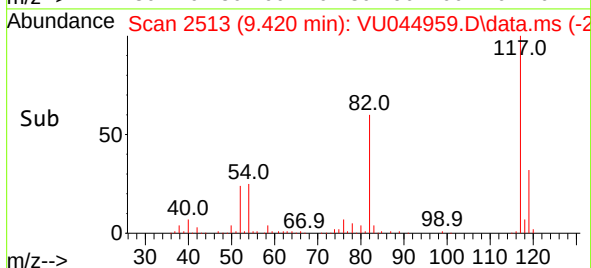
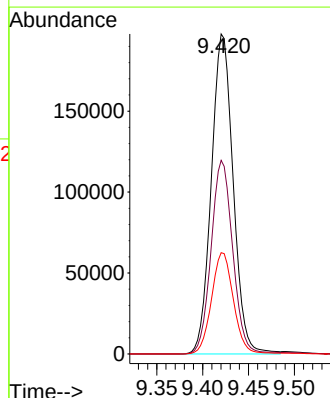
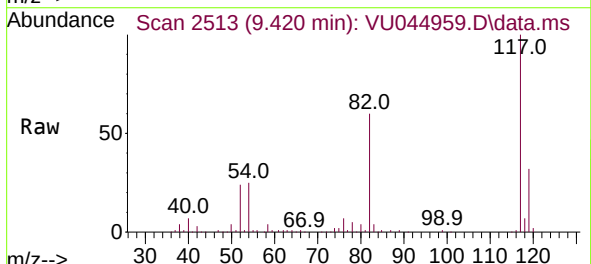
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBL02

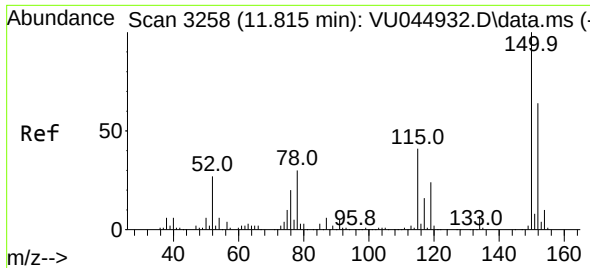
Tgt Ion: 95 Resp: 162132
Ion Ratio Lower Upper
95 100
174 72.9 0.0 146.6
176 70.0 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU044959.D
Acq: 28 Sep 2021 23:00

Tgt Ion: 117 Resp: 327980
Ion Ratio Lower Upper
117 100
82 60.5 47.8 71.8
119 31.6 25.8 38.6

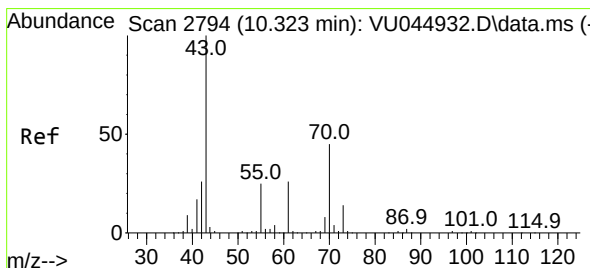
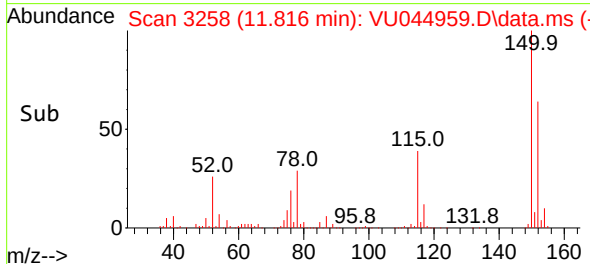
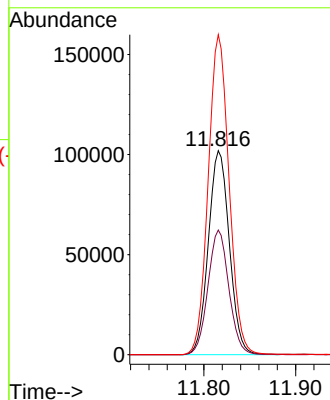
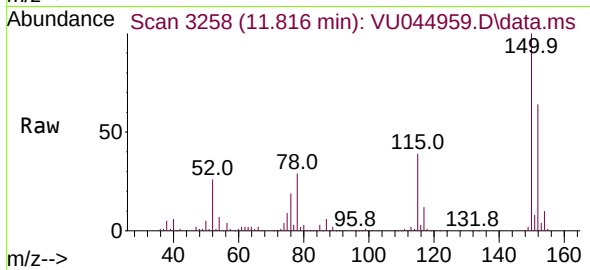




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 31
Delta R.T. 0.001 min
Lab File: VU044959.D
Acq: 28 Sep 2021 23:00

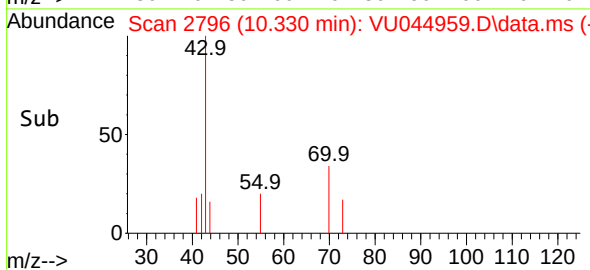
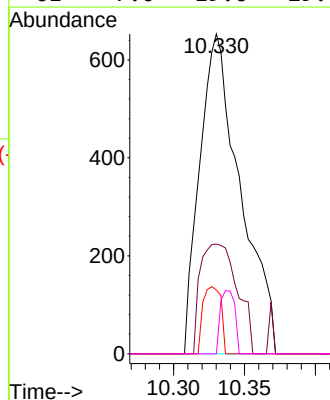
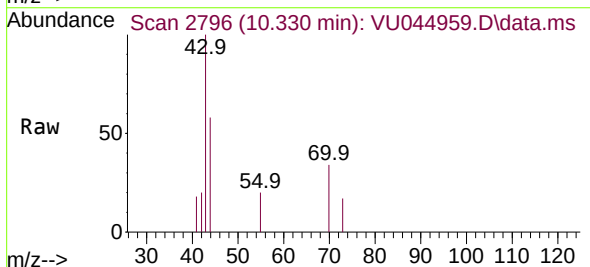
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBL02

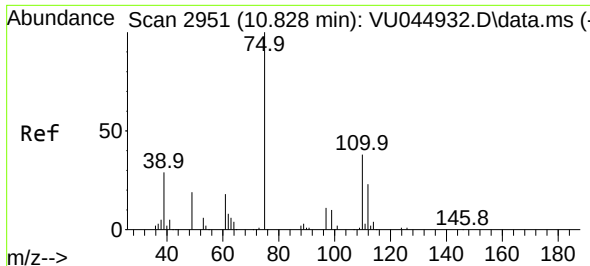
Tgt Ion:152 Resp: 162181
Ion Ratio Lower Upper
152 100
115 60.8 43.5 130.7
150 155.8 0.0 350.0



#74
N-ethyl acetate
Concen: 0.214 ug/l
RT: 10.330 min Scan# 2796
Delta R.T. 0.007 min
Lab File: VU044959.D
Acq: 28 Sep 2021 23:00

Tgt Ion: 43 Resp: 1299
Ion Ratio Lower Upper
43 100
70 31.3 35.1 52.7#
55 9.2 20.5 30.7#
61 7.0 19.6 29.4#

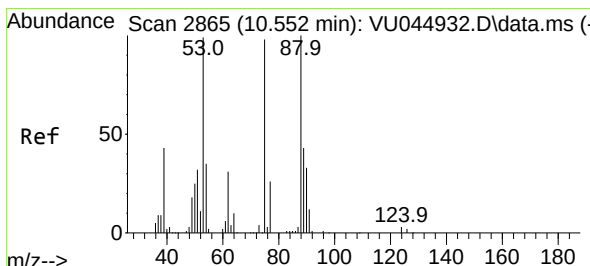
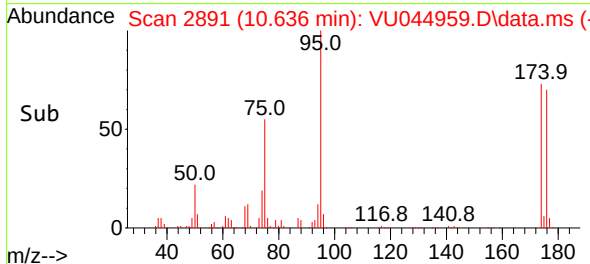
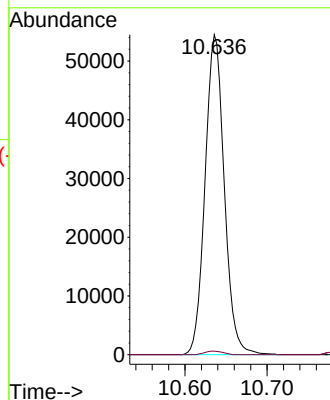
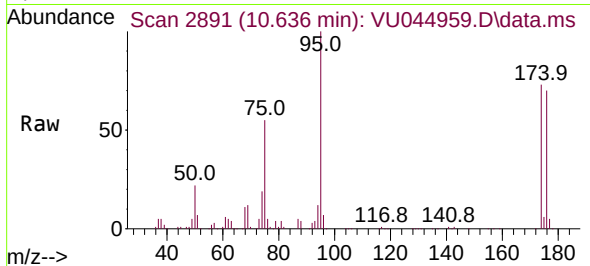




#76
1,2,3-Trichloropropane
Concen: 18.699 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.192 min
Lab File: VU044959.D
Acq: 28 Sep 2021 23:00

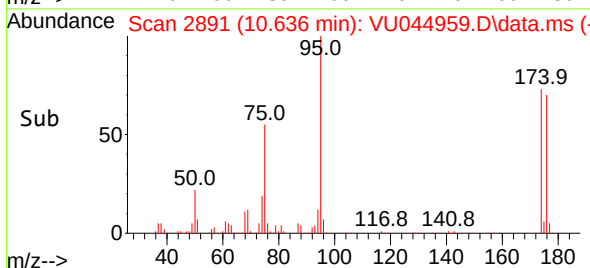
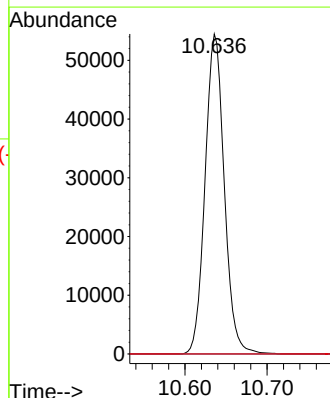
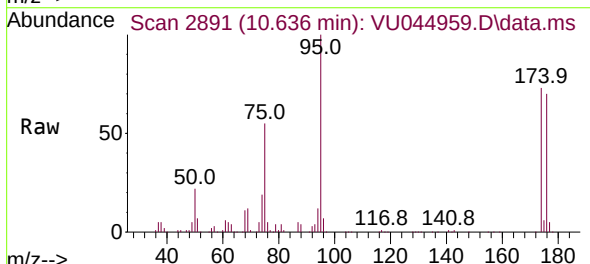
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBL02

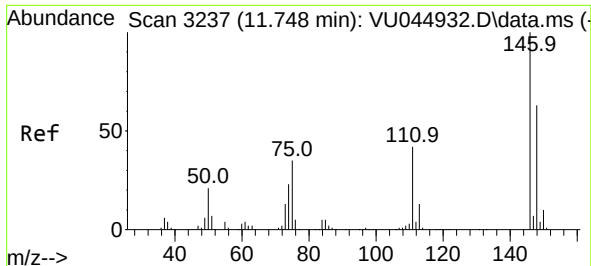
Tgt Ion: 75 Resp: 88457
Ion Ratio Lower Upper
75 100
77 1.1 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 51.893 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU044959.D
Acq: 28 Sep 2021 23:00

Tgt Ion: 75 Resp: 88457
Ion Ratio Lower Upper
75 100
53 0.0 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# 31

Delta R.T. 0.003 min

Lab File: VU044959.D

Acq: 28 Sep 2021 23:00

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBL02

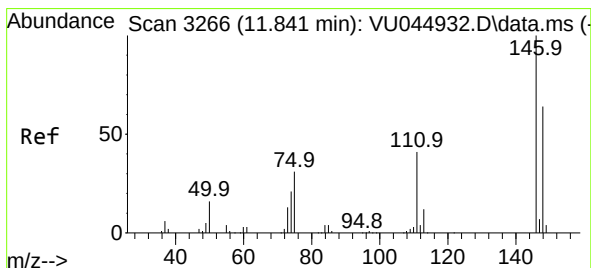
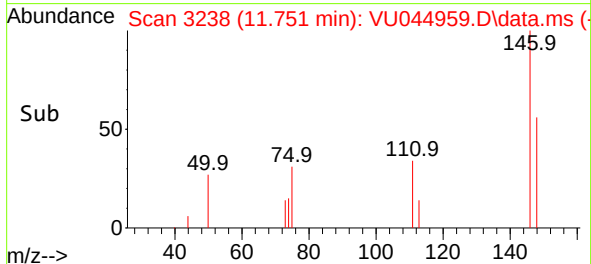
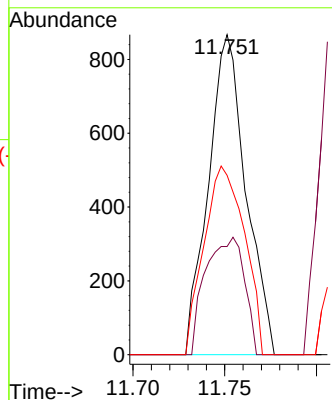
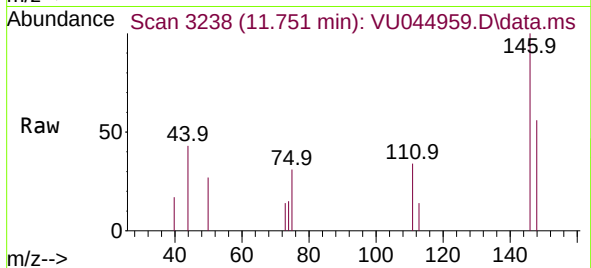
Tgt Ion:146 Resp: 1232

Ion Ratio Lower Upper

146 100

111 37.8 21.2 63.6

148 63.7 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 0.216 ug/l

RT: 11.751 min Scan# 3238

Delta R.T. -0.090 min

Lab File: VU044959.D

Acq: 28 Sep 2021 23:00

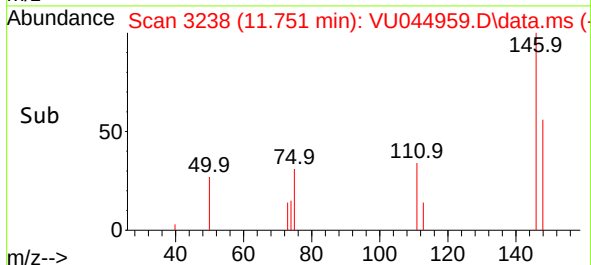
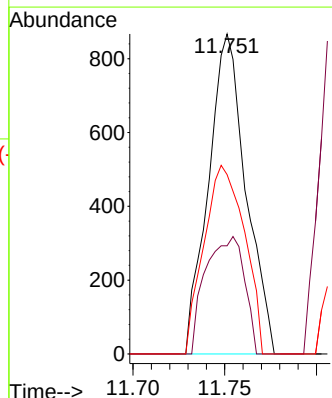
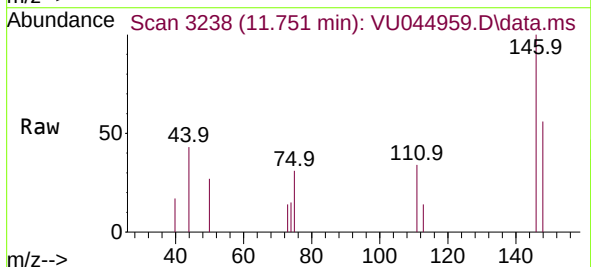
Tgt Ion:146 Resp: 1232

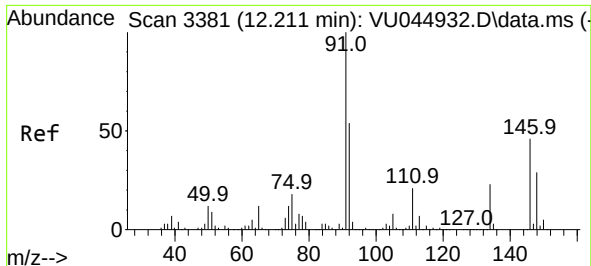
Ion Ratio Lower Upper

146 100

111 37.8 20.3 61.0

148 63.7 31.8 95.3





#89

n-Butylbenzene

Concen: 0.241 ug/l

RT: 12.214 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU044959.D

Acq: 28 Sep 2021 23:00

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBL02

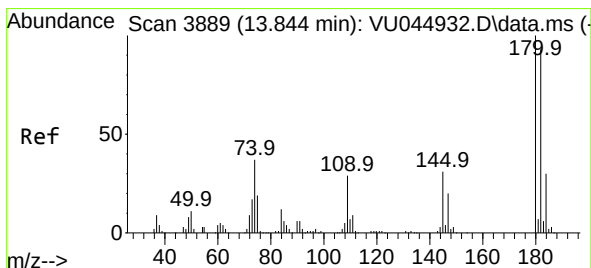
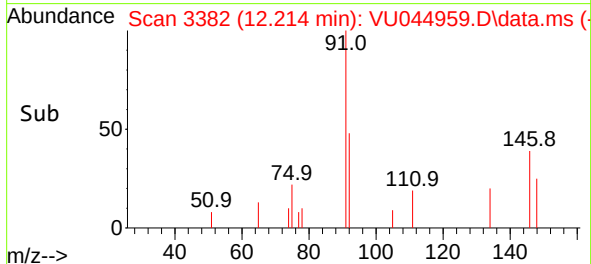
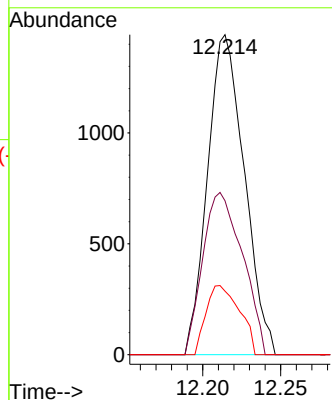
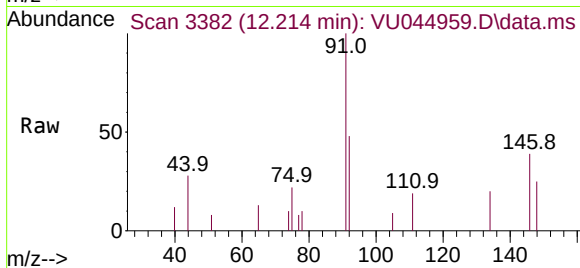
Tgt Ion: 91 Resp: 2369

Ion Ratio Lower Upper

91 100

92 54.7 26.8 80.4

134 19.7 11.8 35.4



#93

1,2,4-Trichlorobenzene

Concen: 0.603 ug/l

RT: 13.844 min Scan# 3889

Delta R.T. 0.000 min

Lab File: VU044959.D

Acq: 28 Sep 2021 23:00

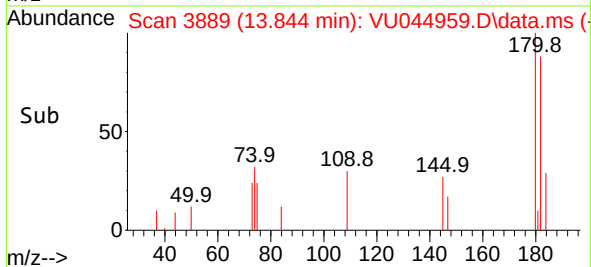
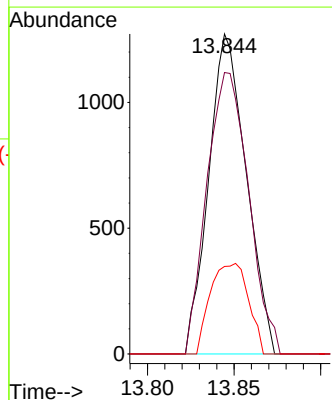
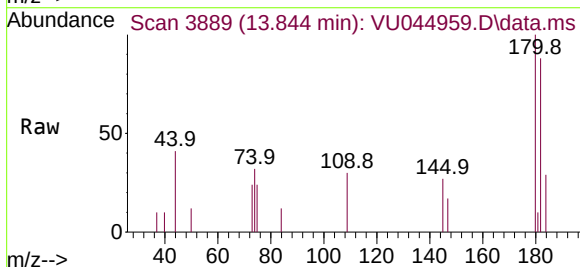
Tgt Ion:180 Resp: 1919

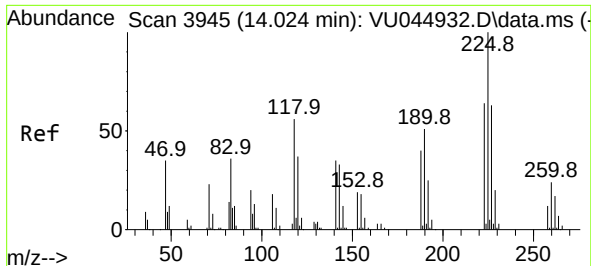
Ion Ratio Lower Upper

180 100

182 97.7 47.4 142.3

145 28.6 15.4 46.2

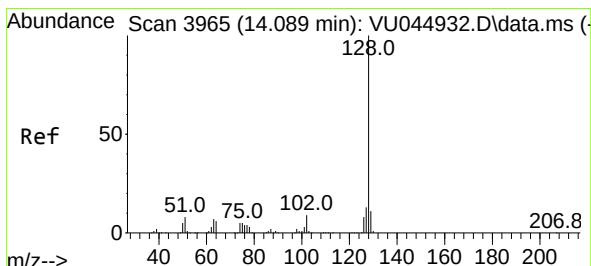
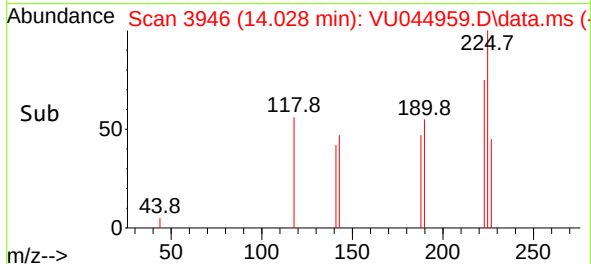
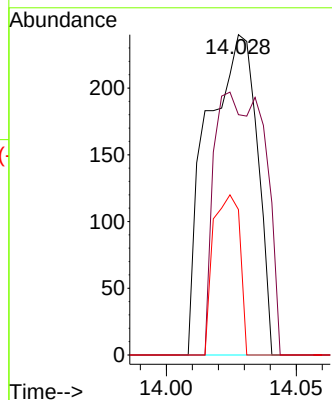
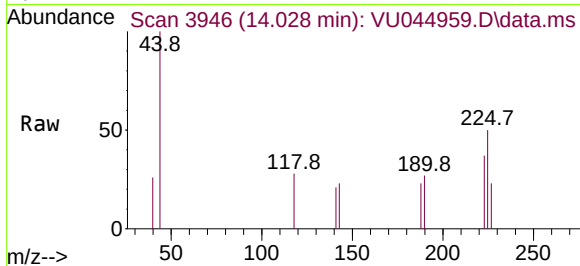




#94
Hexachlorobutadiene
Concen: 0.241 ug/l
RT: 14.028 min Scan# 3945
Delta R.T. 0.004 min
Lab File: VU044959.D
Acq: 28 Sep 2021 23:00

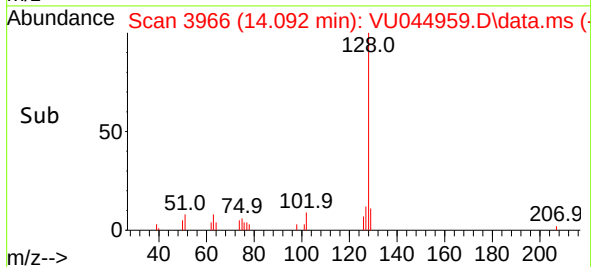
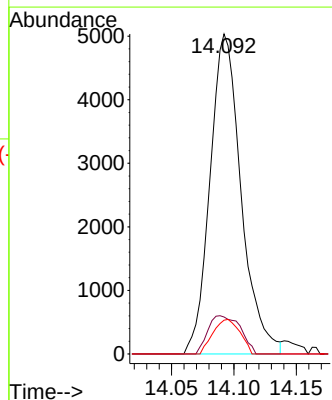
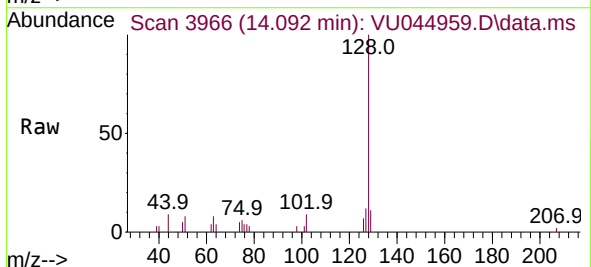
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBL02

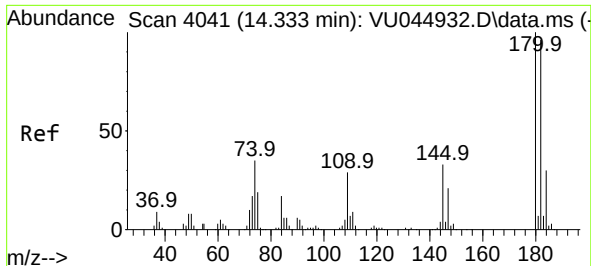
Tgt Ion:	225	Resp:	320
Ion	Ratio	Lower	Upper
225	100		
223	83.1	31.1	93.3
227	26.6	31.4	94.3#



#95
Naphthalene
Concen: 0.732 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU044959.D
Acq: 28 Sep 2021 23:00

Tgt Ion:	128	Resp:	8756
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.4	15.6
129	9.3	8.6	13.0





#96

1,2,3-Trichlorobenzene

Concen: 0.600 ug/l

RT: 14.333 min Scan# 4041

Delta R.T. 0.000 min

Lab File: VU044959.D

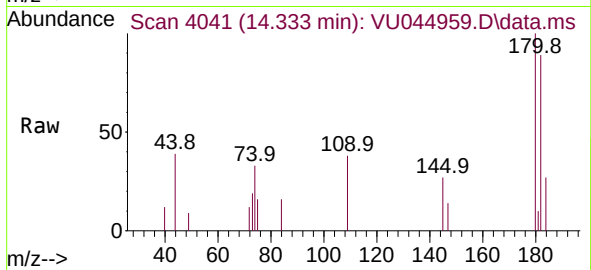
Acq: 28 Sep 2021 23:00

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBL02



Tgt Ion:180 Resp: 1917

Ion Ratio Lower Upper

180 100

182 84.4 47.1 141.4

145 31.5 16.4 49.2

