

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092921\
 Data File : VU044986.D
 Acq On : 29 Sep 2021 12:22
 Operator : SY/MD
 Sample : VU0929MBL01
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA_U/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0929MBL01

Quant Time: Sep 29 14:21:01 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)

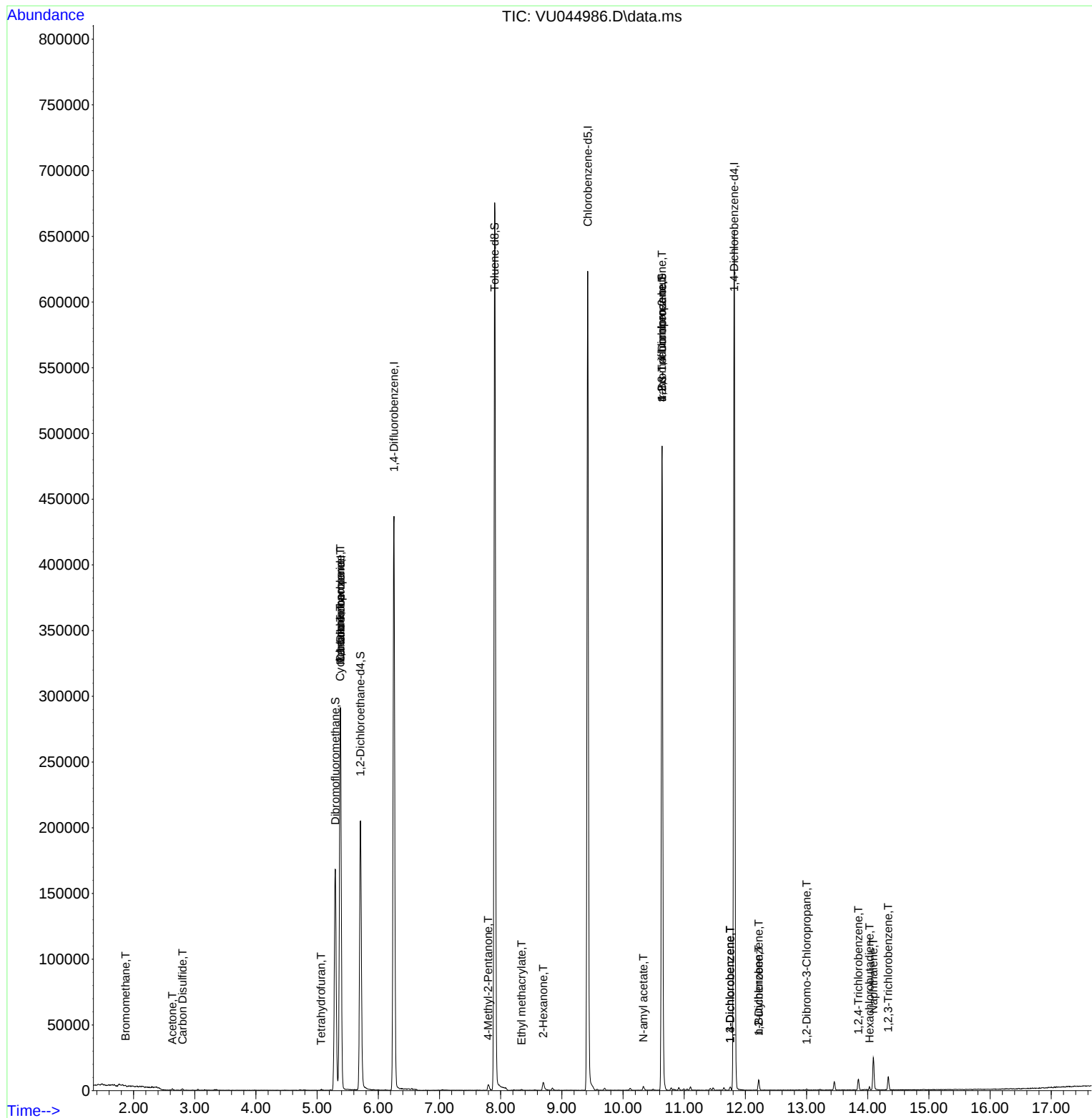
Internal Standards						
1) Pentafluorobenzene	5.382	168	192997	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	344825	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	331948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	161657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	158222	49.249	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.500%		
35) Dibromofluoromethane	5.298	113	110838	50.954	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.900%		
50) Toluene-d8	7.903	98	434739	50.581	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.160%		
62) 4-Bromofluorobenzene	10.639	95	164568	46.378	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.760%		
Target Compounds						Qvalue
5) Bromomethane	1.867	94	442	0.365	ug/l	90
16) Acetone	2.636	43	1383	0.725	ug/l	89
17) Carbon Disulfide	2.800	76	1491	0.221	ug/l #	75
29) Tetrahydrofuran	5.067	42	475	0.295	ug/l #	46
31) Cyclohexane	5.375	56	5063	1.037	ug/l #	3
36) 1,1-Dichloropropene	5.379	75	17646	4.893	ug/l #	50
38) Carbon Tetrachloride	5.379	117	20459	6.557	ug/l #	16
49) 1,4-Dioxane	6.986	88	68	Below Cal	#	20
51) 4-Methyl-2-Pentanone	7.796	43	3874	0.741	ug/l	92
56) Ethyl methacrylate	8.343	69	358	1.884	ug/l #	76
59) 2-Hexanone	8.697	43	5326	1.252	ug/l	95
74) N-amyl acetate	10.333	43	2052	0.339	ug/l #	90
76) 1,2,3-Trichloropropane	10.639	75	88827	18.838	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.639	75	88827	52.279	ug/l #	9
87) 1,3-Dichlorobenzene	11.751	146	1312	0.236	ug/l	91
88) 1,4-Dichlorobenzene	11.751	146	1312	0.230	ug/l	93
89) n-Butylbenzene	12.217	91	3391	0.346	ug/l	95
91) 1,2-Dichlorobenzene	12.221	146	1284	0.226	ug/l	81
92) 1,2-Dibromo-3-Chloropr...	12.999	75	341	0.277	ug/l #	54
93) 1,2,4-Trichlorobenzene	13.848	180	2926	0.923	ug/l	98
94) Hexachlorobutadiene	14.031	225	500	0.378	ug/l	87
95) Naphthalene	14.092	128	20796	1.744	ug/l	99
96) 1,2,3-Trichlorobenzene	14.336	180	3086	0.969	ug/l	94

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

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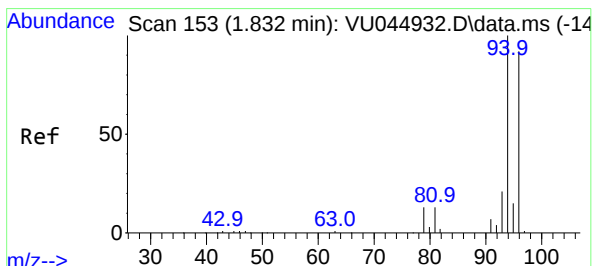
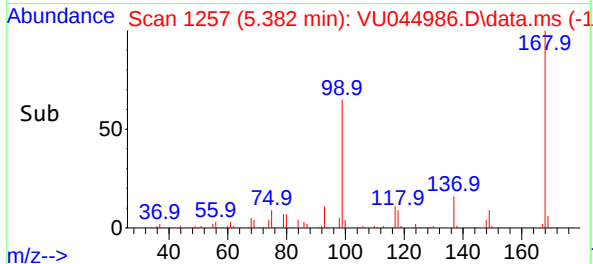
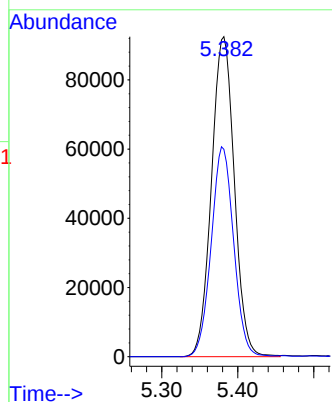
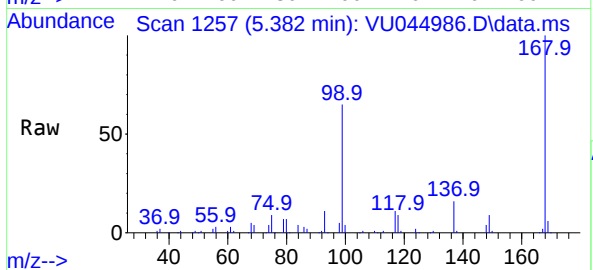




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. 0.007 min
Lab File: VU044986.D
Acq: 29 Sep 2021 12:22

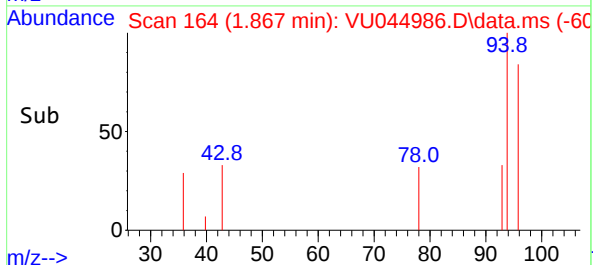
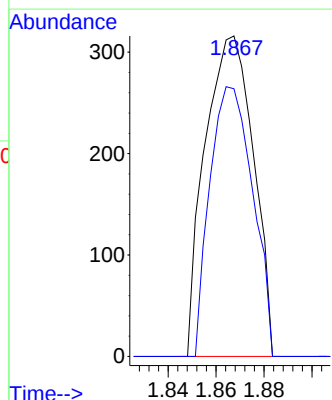
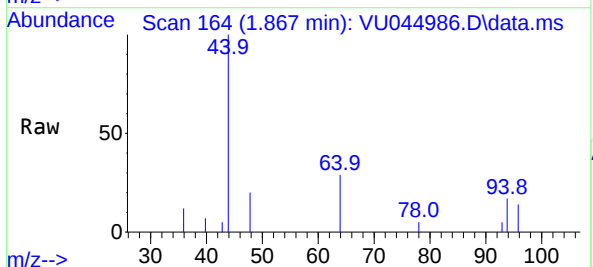
Instrument :
MSVOA_U
ClientSampleId :
VU0929MBL01

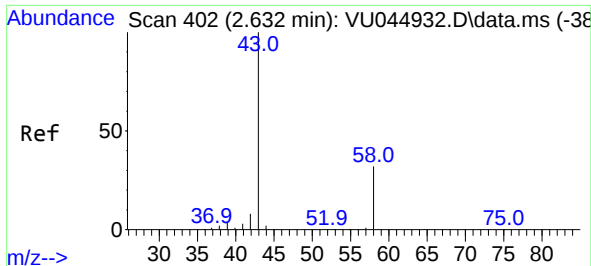
Tgt Ion:168 Resp: 192997
Ion Ratio Lower Upper
168 100
99 64.8 51.4 77.0



#5
Bromomethane
Concen: 0.365 ug/l
RT: 1.867 min Scan# 164
Delta R.T. 0.035 min
Lab File: VU044986.D
Acq: 29 Sep 2021 12:22

Tgt Ion: 94 Resp: 442
Ion Ratio Lower Upper
94 100
96 83.5 74.5 111.7

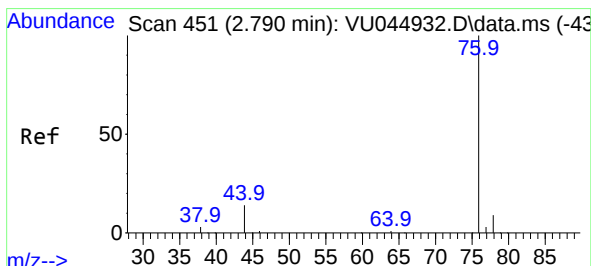
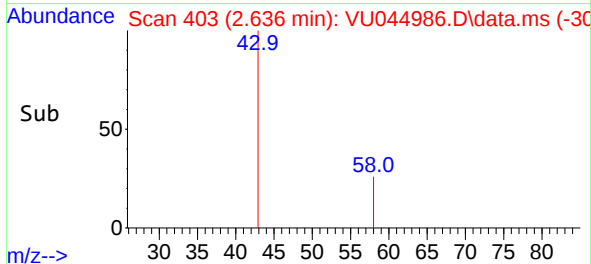
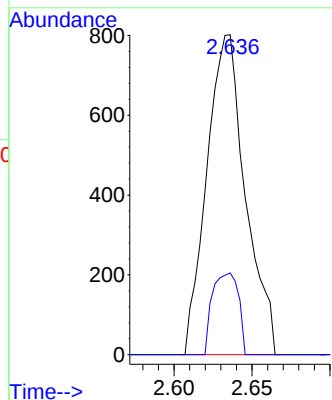
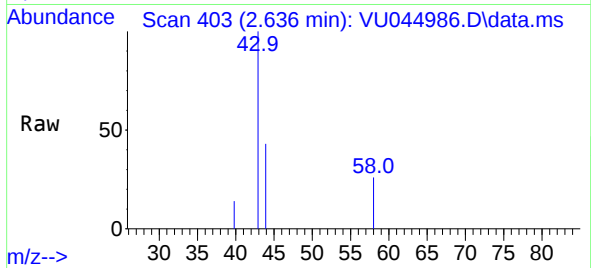




#16
Acetone
Concen: 0.725 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.004 min
Lab File: VU044986.D
Acq: 29 Sep 2021 12:22

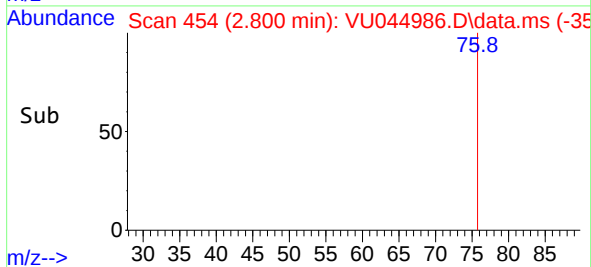
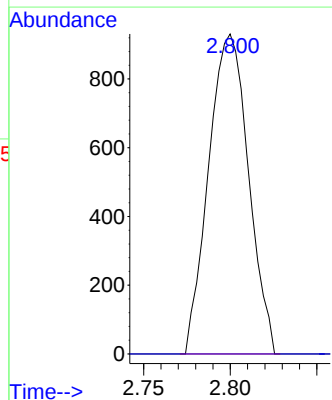
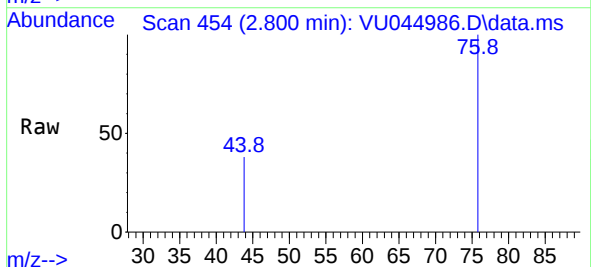
Instrument :
MSVOA_U
ClientSampled :
VU0929MBL01

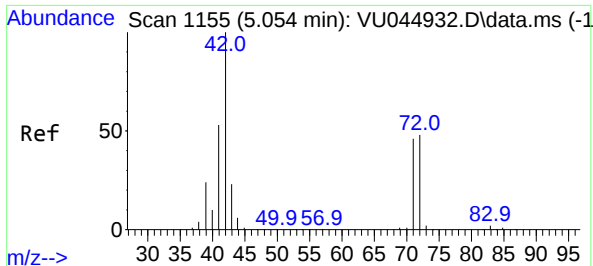
Tgt Ion: 43 Resp: 1383
Ion Ratio Lower Upper
43 100
58 25.6 25.2 37.8



#17
Carbon Disulfide
Concen: 0.221 ug/l
RT: 2.800 min Scan# 454
Delta R.T. 0.010 min
Lab File: VU044986.D
Acq: 29 Sep 2021 12:22

Tgt Ion: 76 Resp: 1491
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





#29

Tetrahydrofuran

Concen: 0.295 ug/l

RT: 5.067 min Scan# 1159

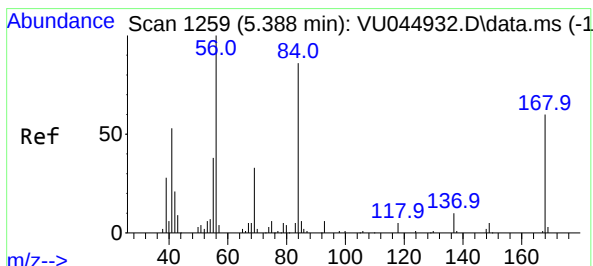
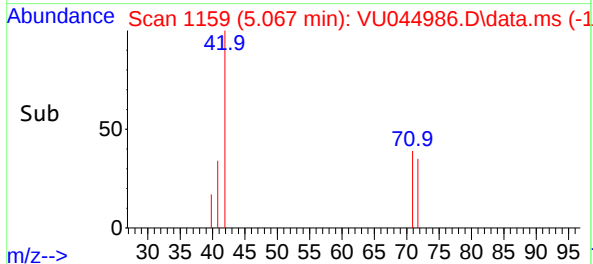
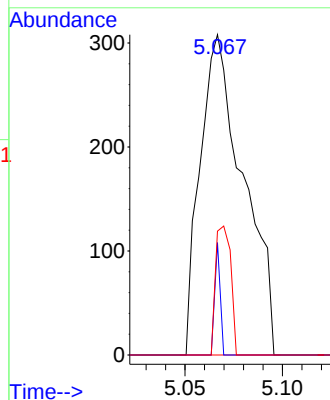
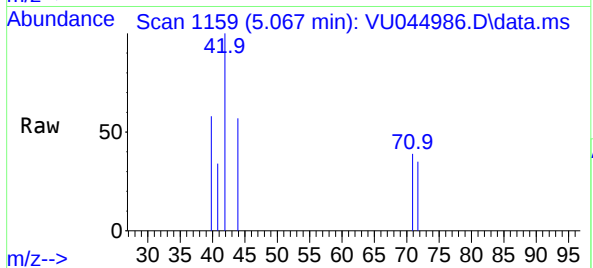
Delta R.T. 0.013 min

Lab File: VU044986.D

Acq: 29 Sep 2021 12:22

Instrument :
MSVOA_U
ClientSampleId :
VU0929MBL01

Tgt Ion:	42	Resp:	475
Ion	Ratio	Lower	Upper
42	100		
72	4.4	36.2	54.4#
71	13.9	34.1	51.1#



#31

Cyclohexane

Concen: 1.037 ug/l

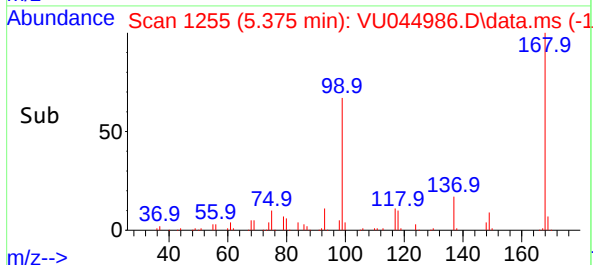
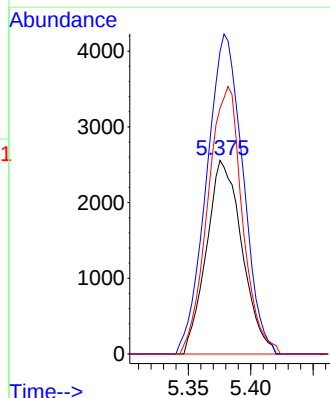
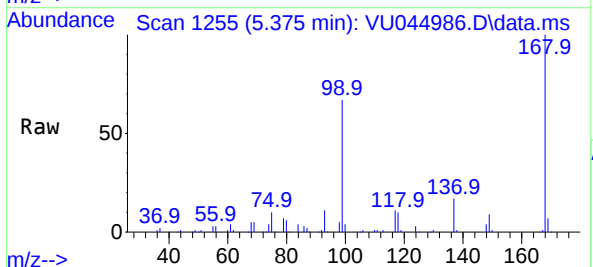
RT: 5.375 min Scan# 1255

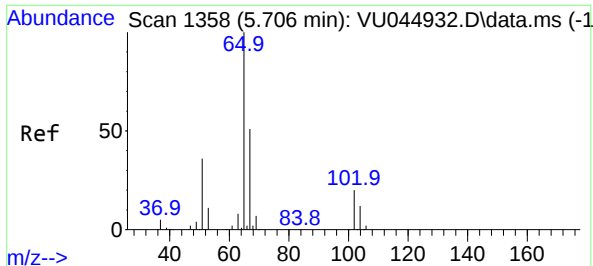
Delta R.T. -0.013 min

Lab File: VU044986.D

Acq: 29 Sep 2021 12:22

Tgt Ion:	56	Resp:	5063
Ion	Ratio	Lower	Upper
56	100		
69	156.3	25.2	37.8#
84	127.1	66.4	99.6#



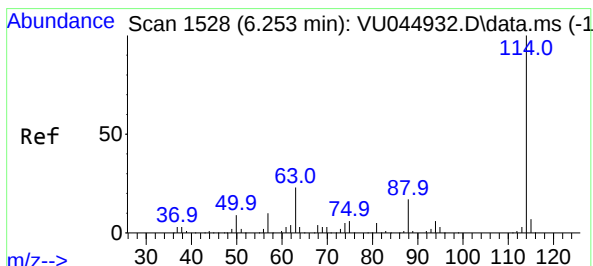
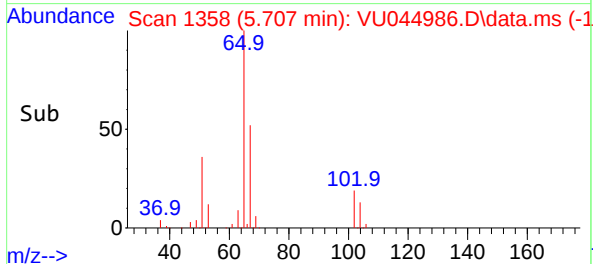
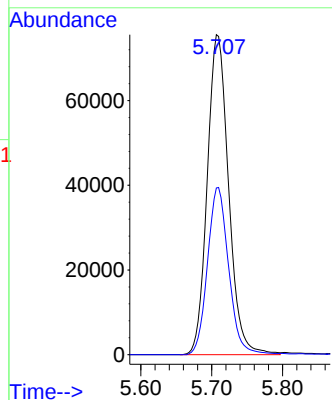
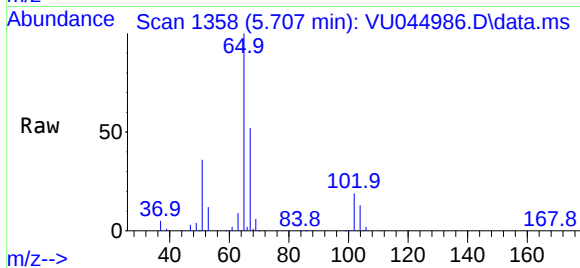


#33

1,2-Dichloroethane-d4
Concen: 49.249 ug/l
RT: 5.707 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VU044986.D
Acq: 29 Sep 2021 12:22

Instrument :
MSVOA_U
ClientSampleId :
VU0929MBL01

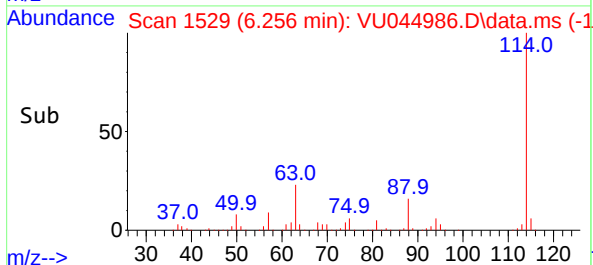
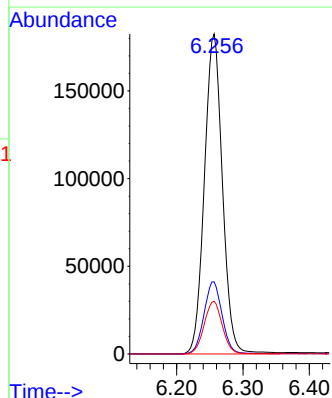
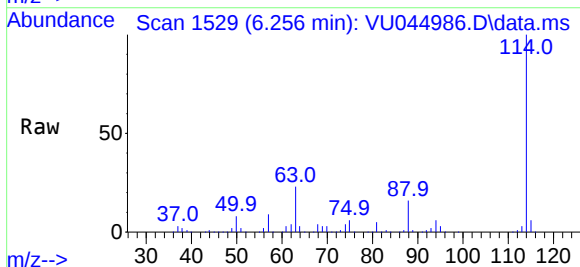
Tgt Ion: 65 Resp: 158222
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.8

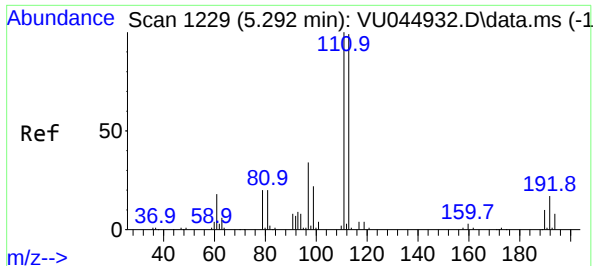


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.003 min
Lab File: VU044986.D
Acq: 29 Sep 2021 12:22

Tgt Ion: 114 Resp: 344825
Ion Ratio Lower Upper
114 100
63 22.5 0.0 47.8
88 16.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.954 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VU044986.D

Acq: 29 Sep 2021 12:22

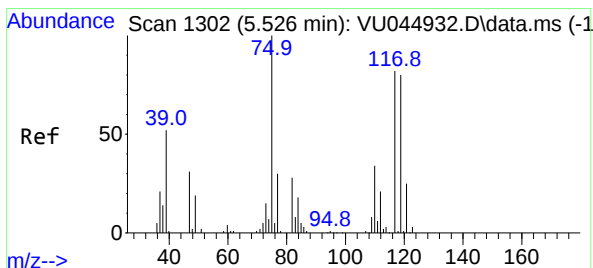
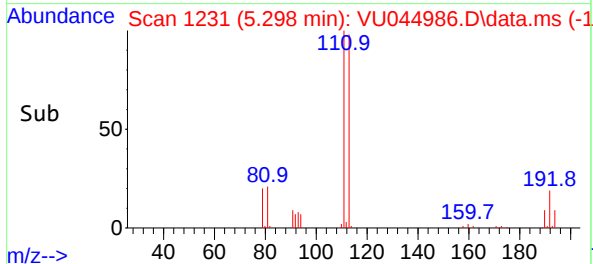
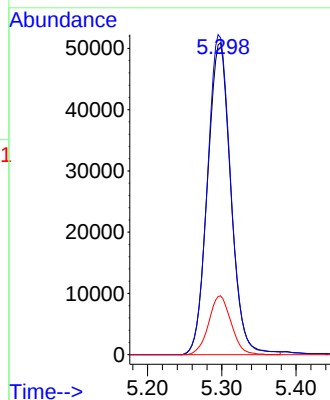
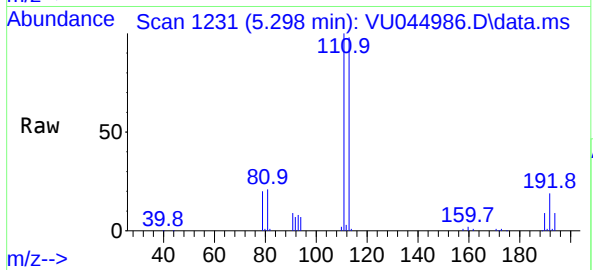
Tgt Ion:113 Resp: 110838

Ion Ratio Lower Upper

113 100

111 102.2 84.1 126.1

192 18.2 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.893 ug/l

RT: 5.379 min Scan# 1256

Delta R.T. -0.147 min

Lab File: VU044986.D

Acq: 29 Sep 2021 12:22

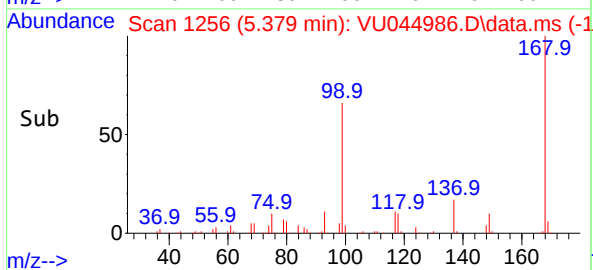
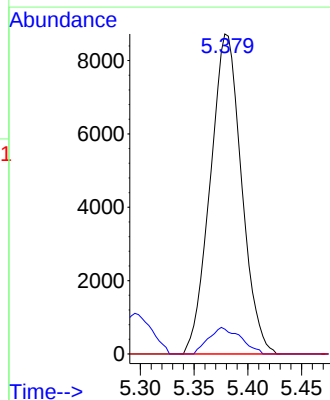
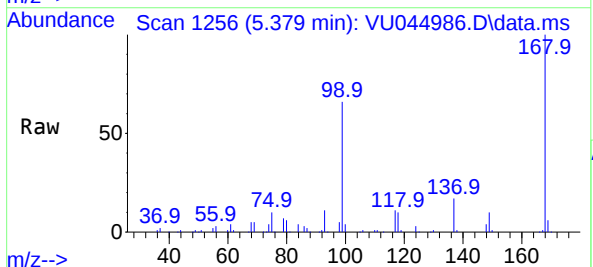
Tgt Ion: 75 Resp: 17646

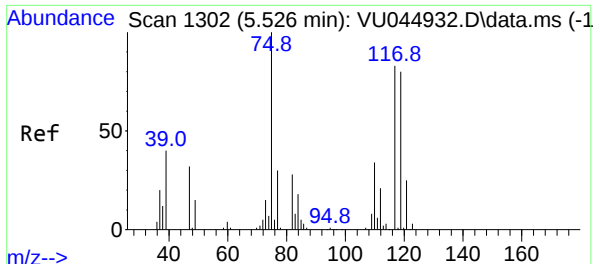
Ion Ratio Lower Upper

75 100

110 8.5 16.3 48.9#

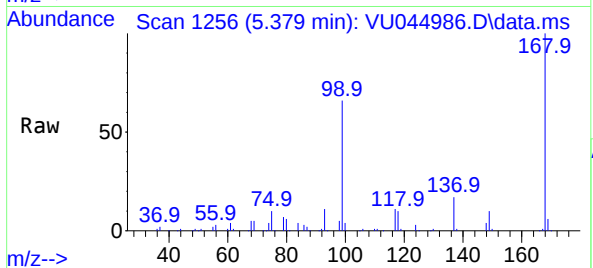
77 0.0 25.0 37.4#



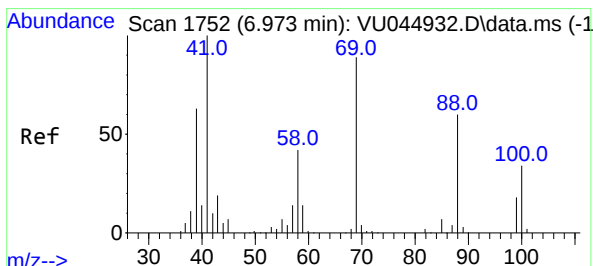
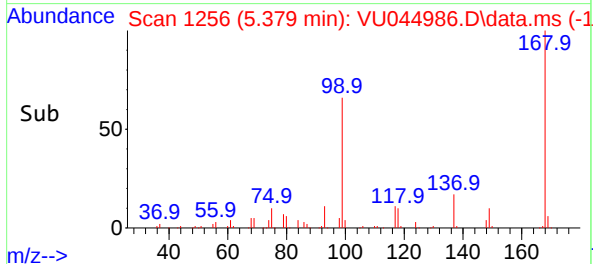
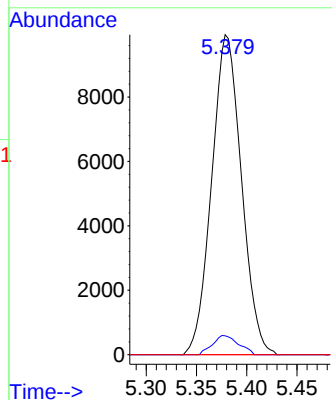


#38
Carbon Tetrachloride
Concen: 6.557 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.147 min
Lab File: VU044986.D
Acq: 29 Sep 2021 12:22

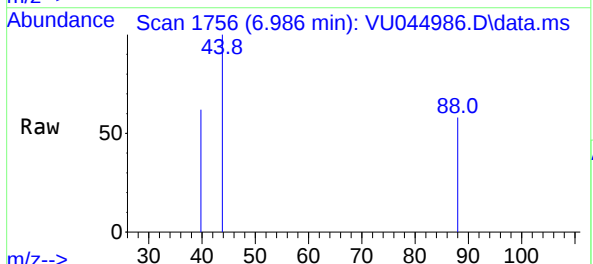
Instrument :
MSVOA_U
ClientSampleId :
VU0929MBL01



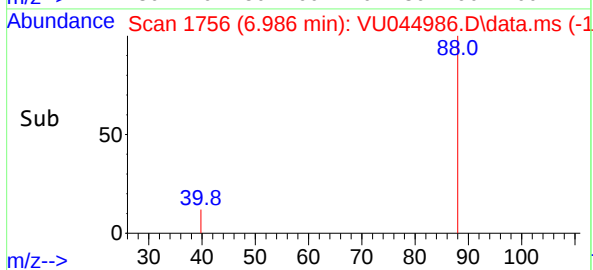
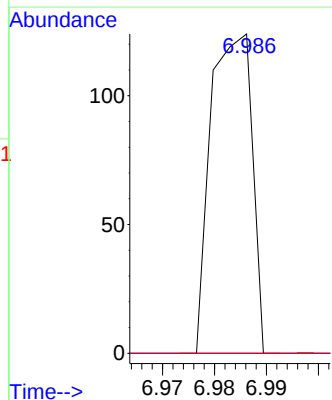
Tgt Ion: 117 Resp: 20459
Ion Ratio Lower Upper
117 100
119 5.9 77.4 116.2#
121 0.0 24.5 36.7#

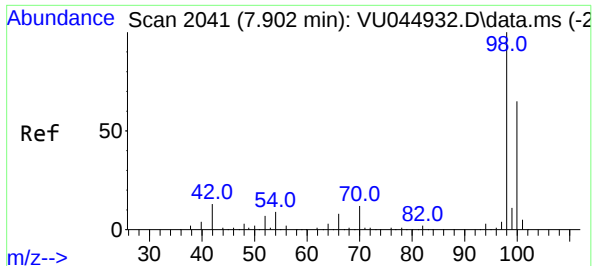


#49
1,4-Dioxane
Concen: Below Cal
RT: 6.986 min Scan# 1756
Delta R.T. 0.013 min
Lab File: VU044986.D
Acq: 29 Sep 2021 12:22



Tgt Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 0.0 25.8 38.6#
58 0.0 61.3 91.9#

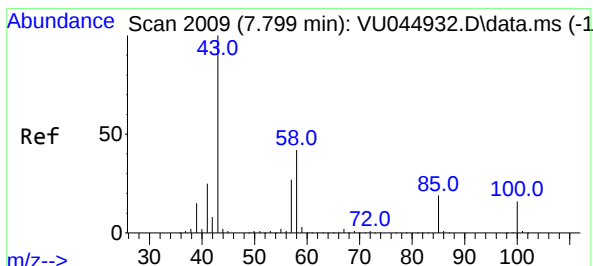
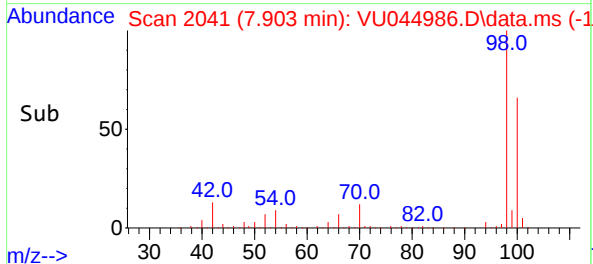
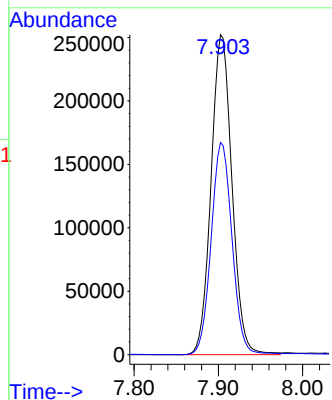
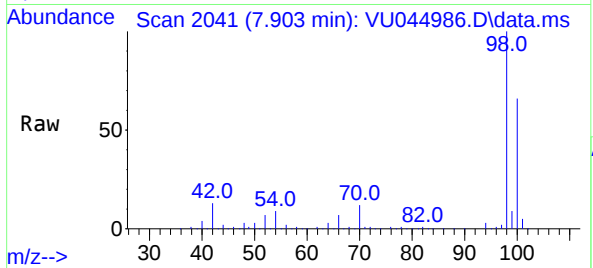




#50
Toluene-d8
Concen: 50.581 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.001 min
Lab File: VU044986.D
Acq: 29 Sep 2021 12:22

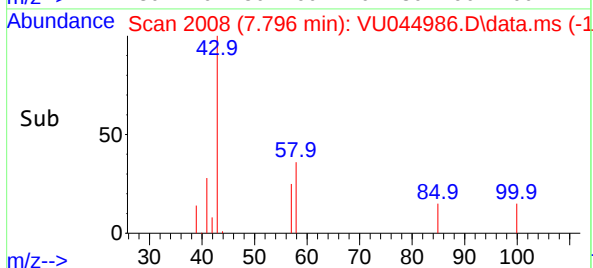
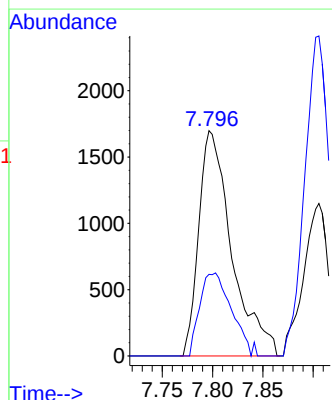
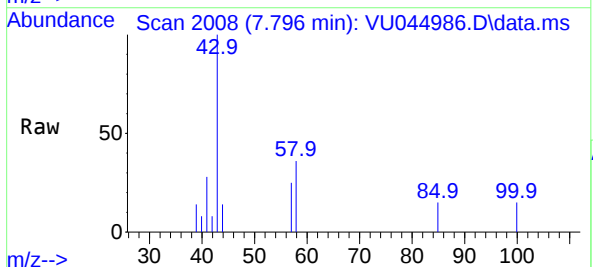
Instrument :
MSVOA_U
ClientSampleId :
VU0929MBL01

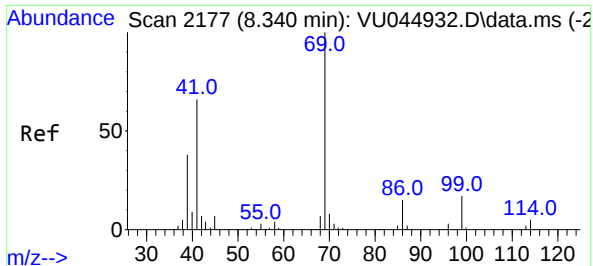
Tgt Ion: 98 Resp: 434739
Ion Ratio Lower Upper
98 100
100 66.2 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.741 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.003 min
Lab File: VU044986.D
Acq: 29 Sep 2021 12:22

Tgt Ion: 43 Resp: 3874
Ion Ratio Lower Upper
43 100
58 35.5 32.4 48.6

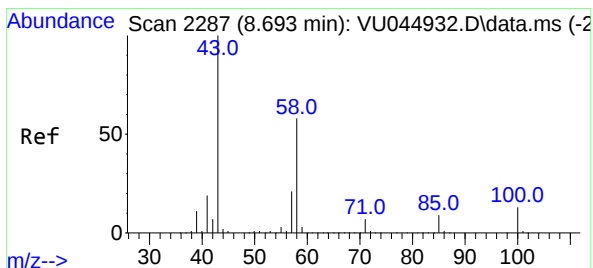
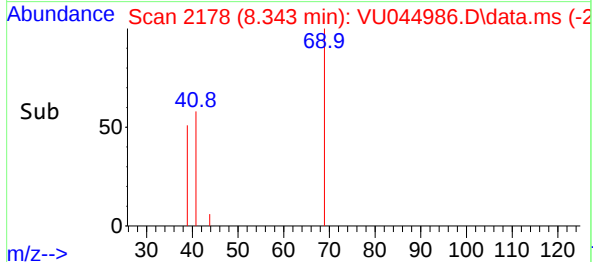
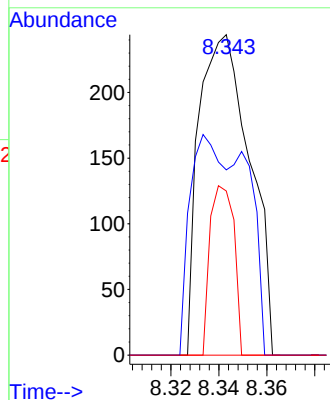
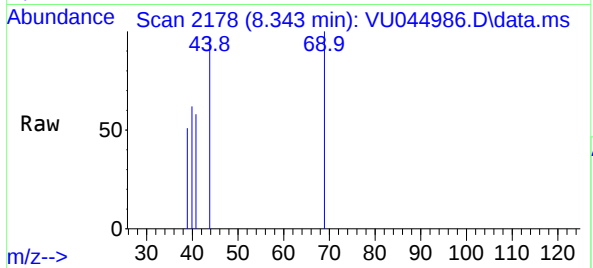




#56
Ethyl methacrylate
Concen: 1.884 ug/l
RT: 8.343 min Scan# 2178
Delta R.T. 0.003 min
Lab File: VU044986.D
Acq: 29 Sep 2021 12:22

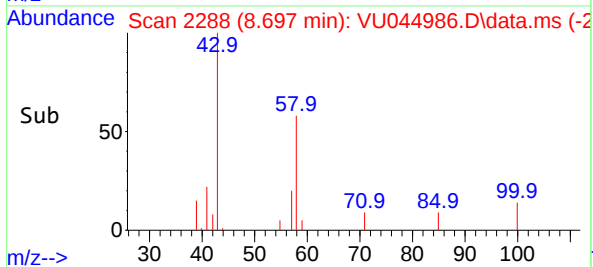
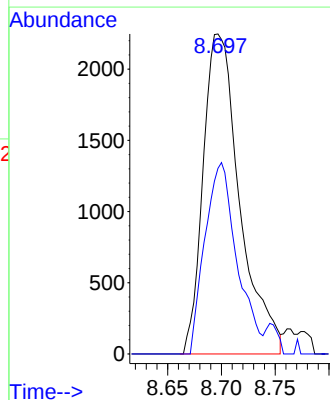
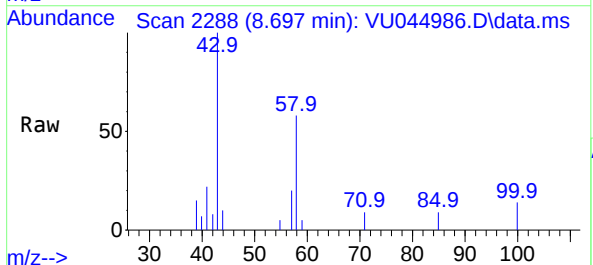
Instrument :
MSVOA_U
ClientSampleId :
VU0929MBL01

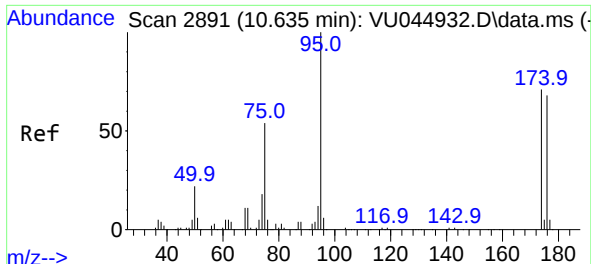
Tgt Ion: 69 Resp: 358
Ion Ratio Lower Upper
69 100
41 47.2 53.5 80.3#
39 24.9 31.1 46.7#



#59
2-Hexanone
Concen: 1.252 ug/l
RT: 8.697 min Scan# 2288
Delta R.T. 0.004 min
Lab File: VU044986.D
Acq: 29 Sep 2021 12:22

Tgt Ion: 43 Resp: 5326
Ion Ratio Lower Upper
43 100
58 52.4 28.0 84.0

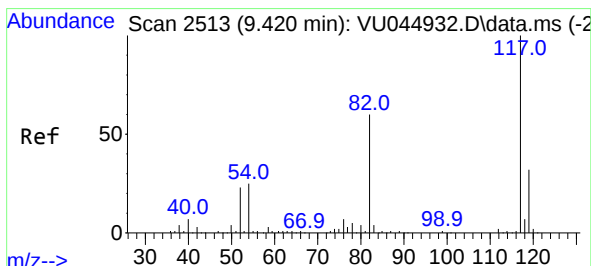
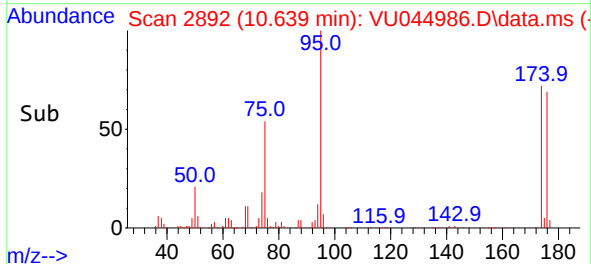
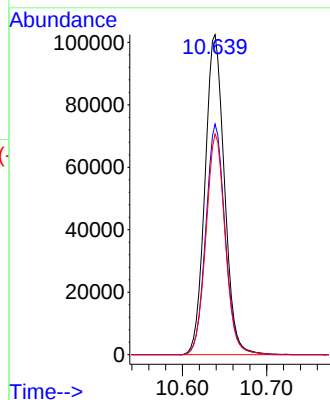
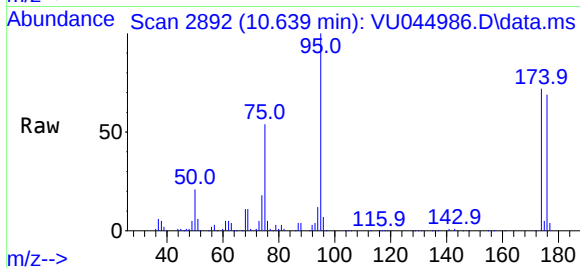




#62
4-Bromofluorobenzene
Concen: 46.378 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.004 min
Lab File: VU044986.D
Acq: 29 Sep 2021 12:22

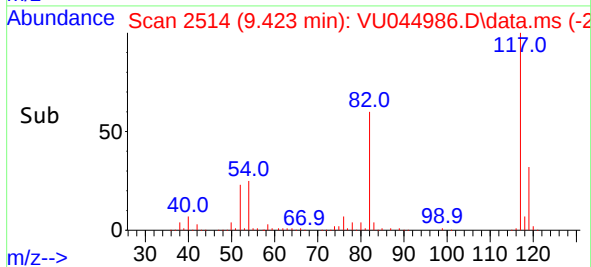
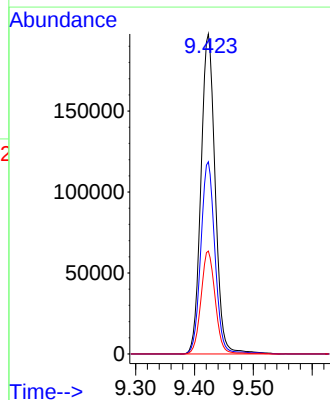
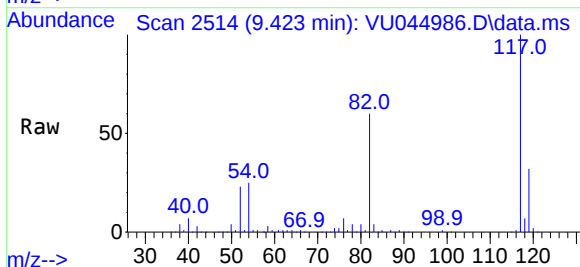
Instrument :
MSVOA_U
ClientSampleId :
VU0929MBL01

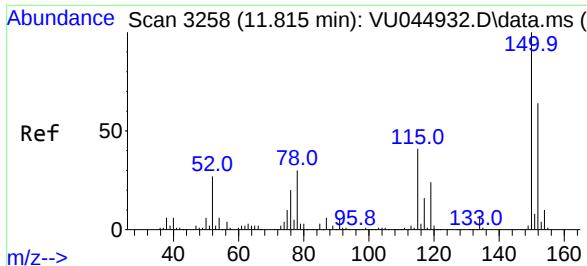
Tgt Ion: 95 Resp: 164568
Ion Ratio Lower Upper
95 100
174 71.8 0.0 146.6
176 68.4 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.003 min
Lab File: VU044986.D
Acq: 29 Sep 2021 12:22

Tgt Ion: 117 Resp: 331948
Ion Ratio Lower Upper
117 100
82 60.1 47.8 71.8
119 32.1 25.8 38.6

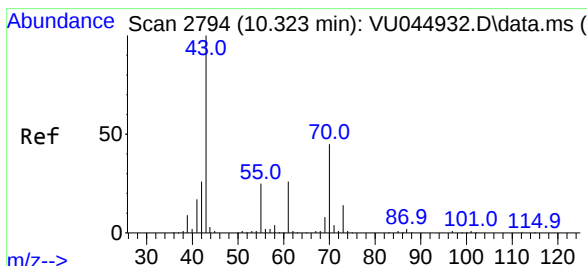
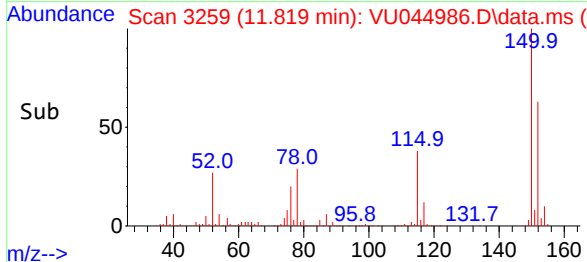
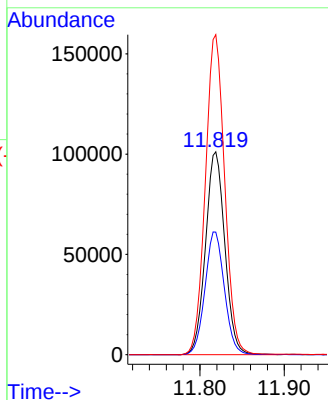
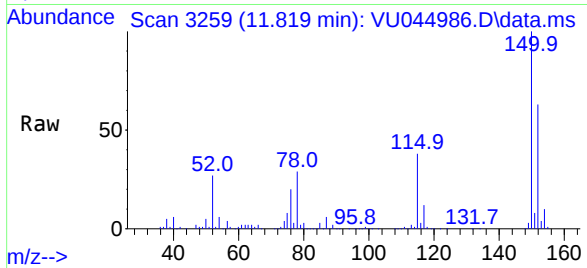




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. 0.004 min
Lab File: VU044986.D
Acq: 29 Sep 2021 12:22

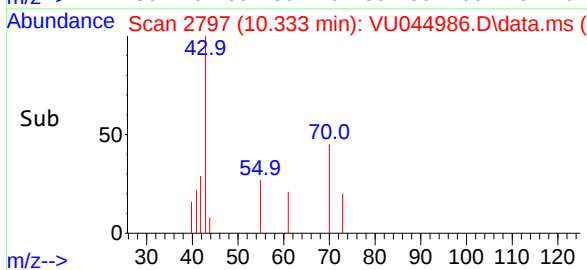
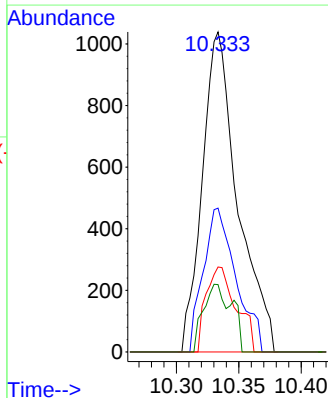
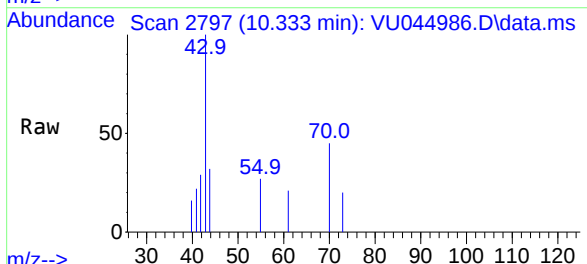
Instrument :
MSVOA_U
ClientSampled :
VU0929MBL01

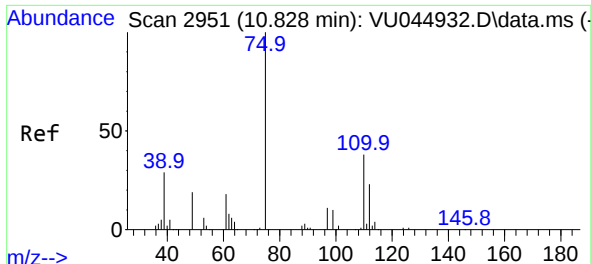
Tgt Ion:152 Resp: 161657
Ion Ratio Lower Upper
152 100
115 60.6 43.5 130.7
150 157.6 0.0 350.0



#74
N-ethyl acetate
Concen: 0.339 ug/l
RT: 10.333 min Scan# 2797
Delta R.T. 0.010 min
Lab File: VU044986.D
Acq: 29 Sep 2021 12:22

Tgt Ion: 43 Resp: 2052
Ion Ratio Lower Upper
43 100
70 41.6 35.1 52.7
55 22.6 20.5 30.7
61 12.5 19.6 29.4#

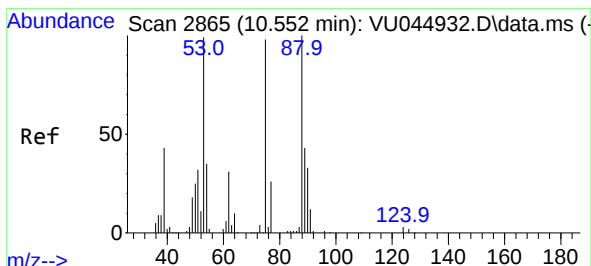
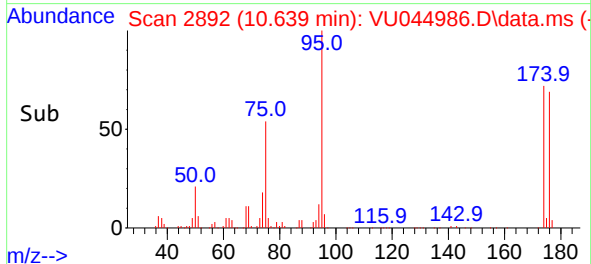
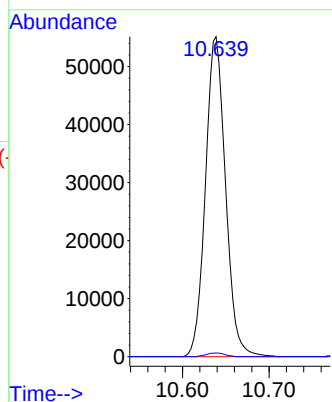
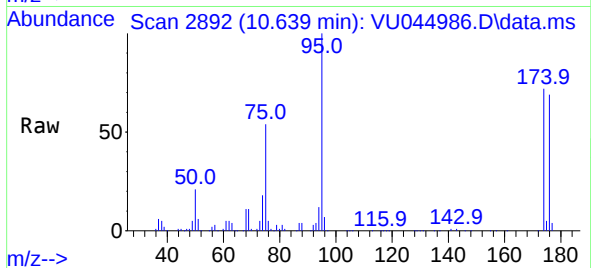




#76
1,2,3-Trichloropropane
Concen: 18.838 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.189 min
Lab File: VU044986.D
Acq: 29 Sep 2021 12:22

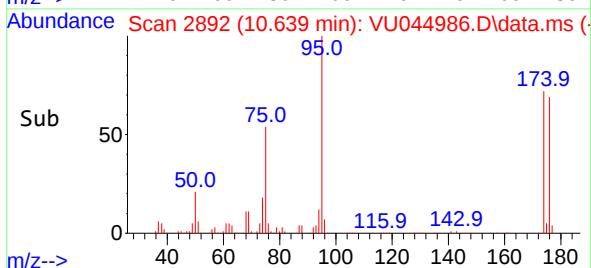
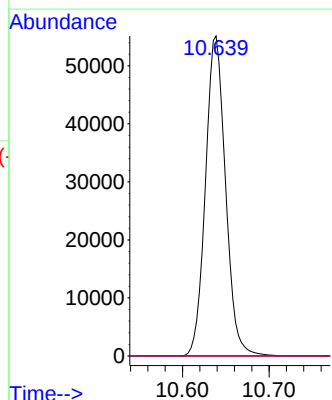
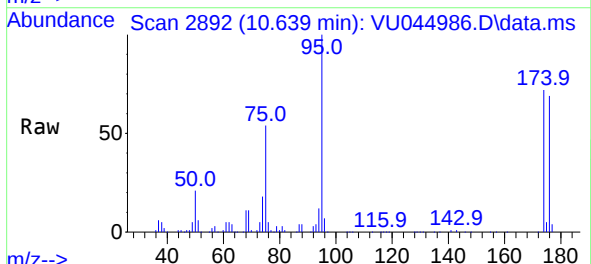
Instrument :
MSVOA_U
ClientSampleId :
VU0929MBL01

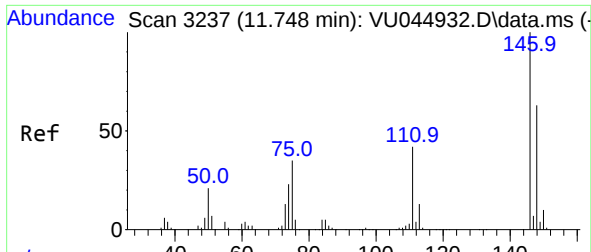
Tgt Ion: 75 Resp: 88827
Ion Ratio Lower Upper
75 100
77 1.1 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 52.279 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044986.D
Acq: 29 Sep 2021 12:22

Tgt Ion: 75 Resp: 88827
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: 0.236 ug/l

RT: 11.751 min Scan# 3238

Delta R.T. 0.003 min

Lab File: VU044986.D

Acq: 29 Sep 2021 12:22

Instrument :

MSVOA_U

ClientSampled :

VU0929MBL01

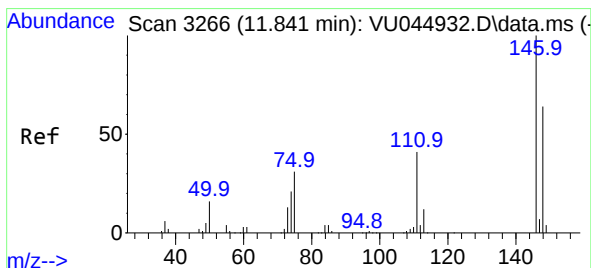
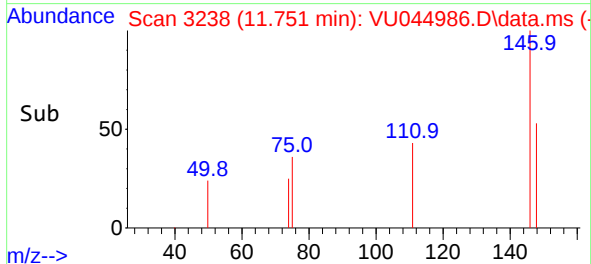
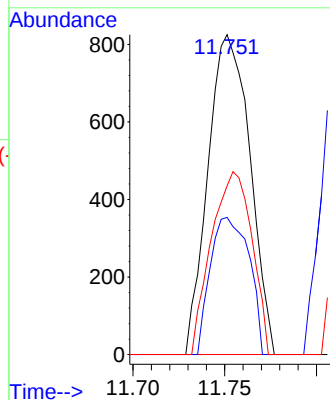
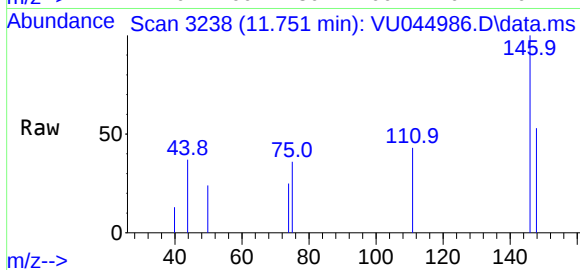
Tgt Ion:146 Resp: 1312

Ion Ratio Lower Upper

146 100

111 39.5 21.2 63.6

148 55.3 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 0.230 ug/l

RT: 11.751 min Scan# 3238

Delta R.T. -0.090 min

Lab File: VU044986.D

Acq: 29 Sep 2021 12:22

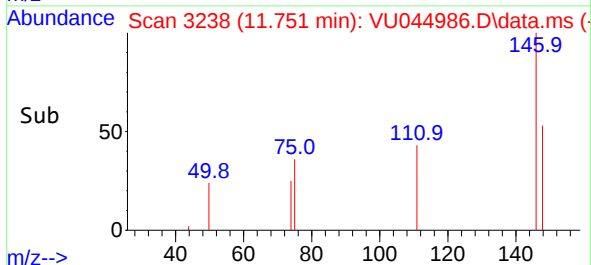
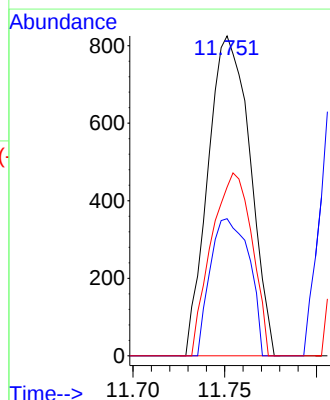
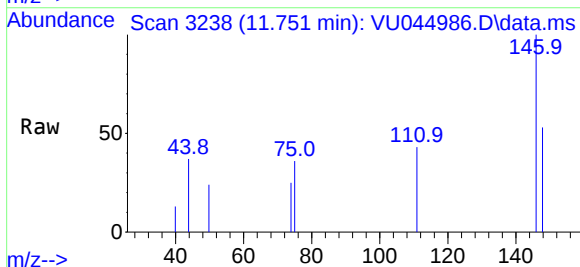
Tgt Ion:146 Resp: 1312

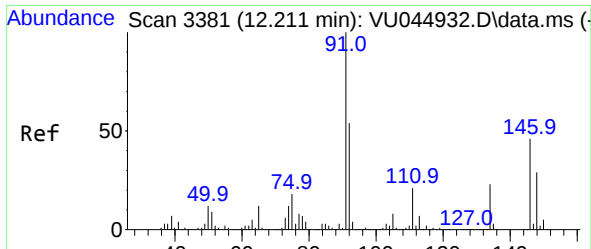
Ion Ratio Lower Upper

146 100

111 39.5 20.3 61.0

148 55.3 31.8 95.3



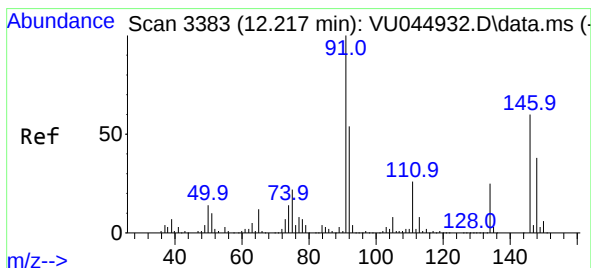
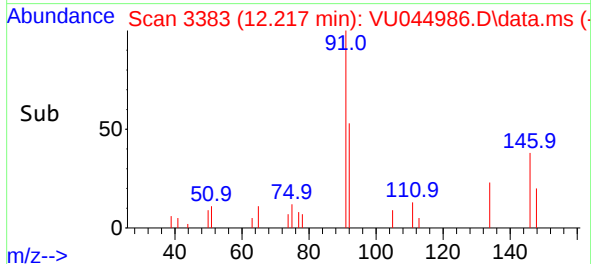
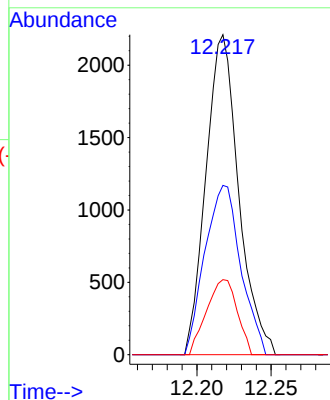
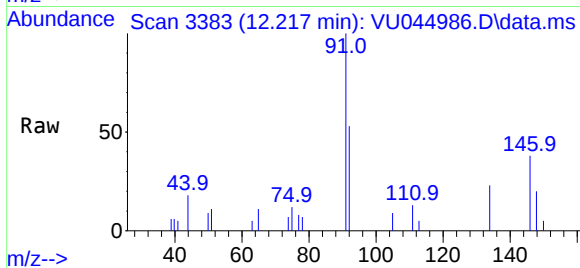


#89
n-Butylbenzene
Concen: 0.346 ug/l
RT: 12.217 min Scan# 3383
Delta R.T. 0.006 min
Lab File: VU044986.D
Acq: 29 Sep 2021 12:22

Instrument :
MSVOA_U
ClientSampleId :
VU0929MBL01

Tgt Ion: 91 Resp: 3391

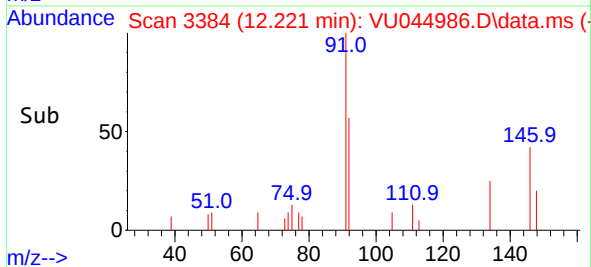
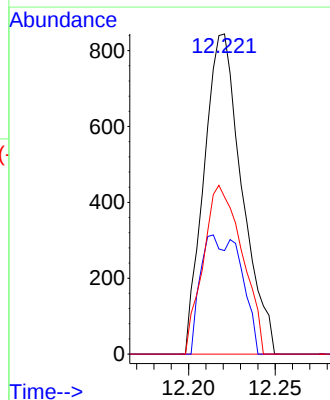
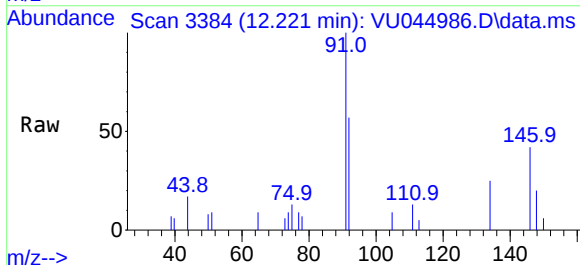
Ion	Ratio	Lower	Upper
91	100		
92	57.8	26.8	80.4
134	21.9	11.8	35.4

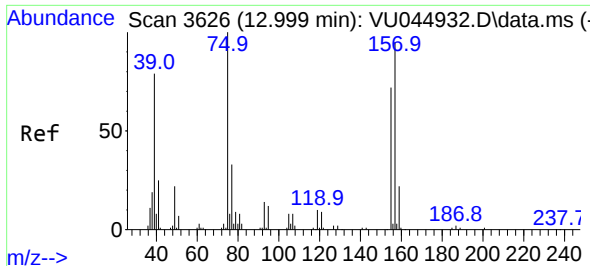


#91
1,2-Dichlorobenzene
Concen: 0.226 ug/l
RT: 12.221 min Scan# 3384
Delta R.T. 0.004 min
Lab File: VU044986.D
Acq: 29 Sep 2021 12:22

Tgt Ion: 146 Resp: 1284

Ion	Ratio	Lower	Upper
146	100		
111	23.6	21.4	64.3
148	54.1	31.8	95.3

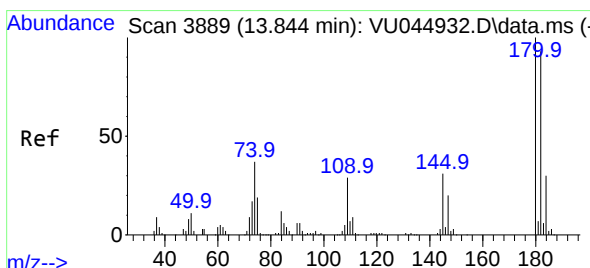
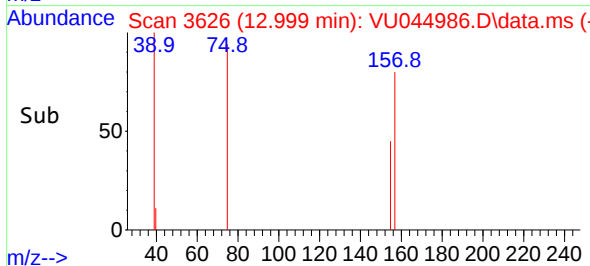
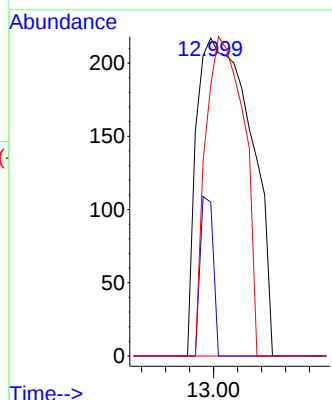
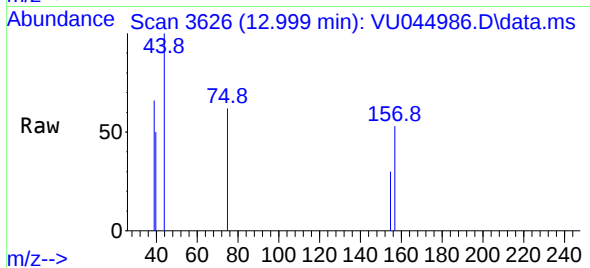




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.277 ug/l
RT: 12.999 min Scan# 3626
Delta R.T. -0.000 min
Lab File: VU044986.D
Acq: 29 Sep 2021 12:22

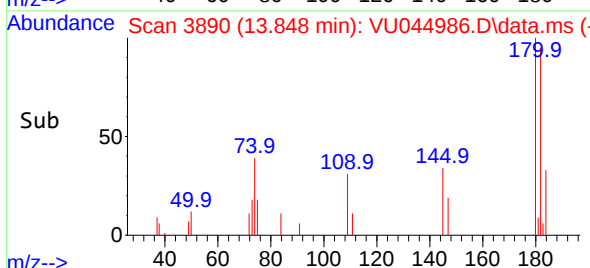
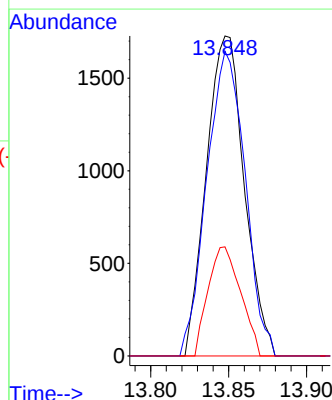
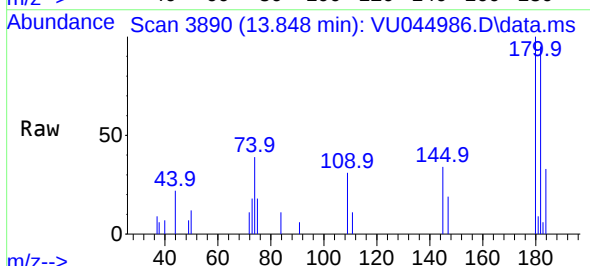
Instrument :
MSVOA_U
ClientSampleId :
VU0929MBL01

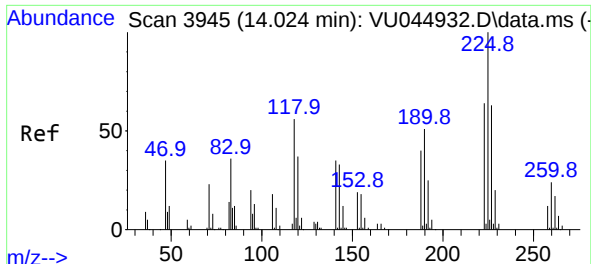
Tgt Ion: 75 Resp: 341
Ion Ratio Lower Upper
75 100
155 12.0 36.9 110.6#
157 70.7 47.8 143.3



#93
1,2,4-Trichlorobenzene
Concen: 0.923 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. 0.004 min
Lab File: VU044986.D
Acq: 29 Sep 2021 12:22

Tgt Ion:180 Resp: 2926
Ion Ratio Lower Upper
180 100
182 96.2 47.4 142.3
145 29.1 15.4 46.2

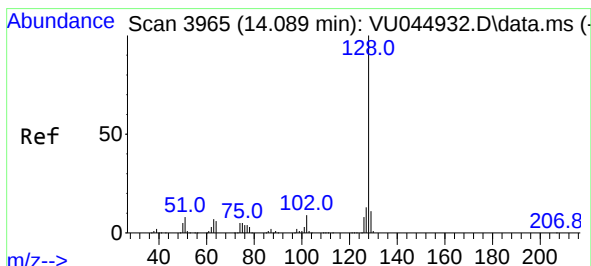
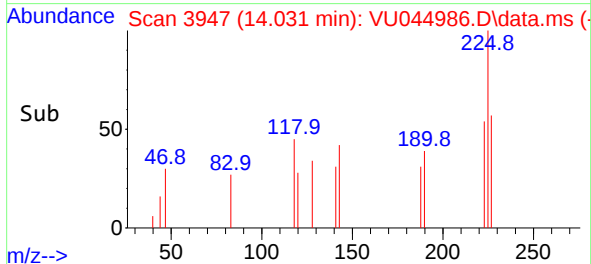
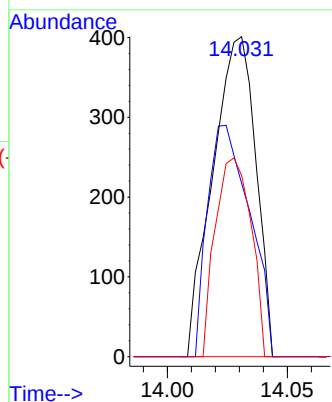
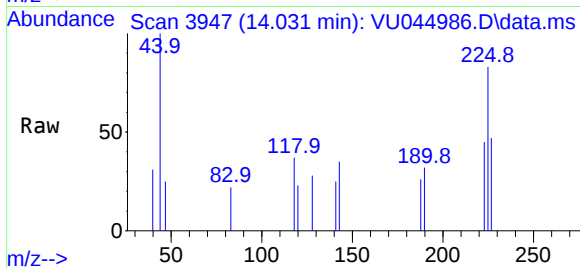




#94
Hexachlorobutadiene
Concen: 0.378 ug/l
RT: 14.031 min Scan# 3947
Delta R.T. 0.007 min
Lab File: VU044986.D
Acq: 29 Sep 2021 12:22

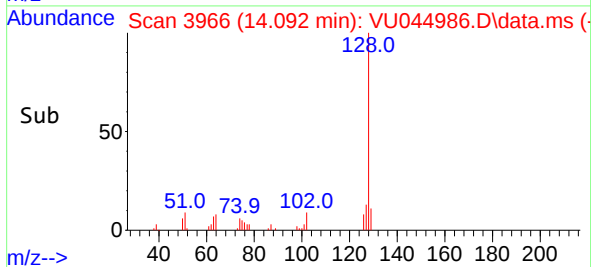
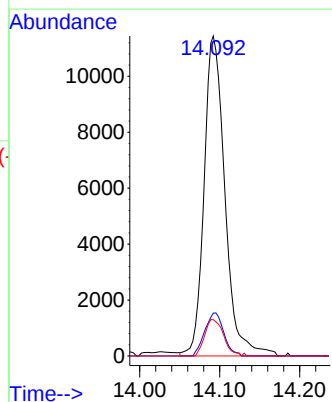
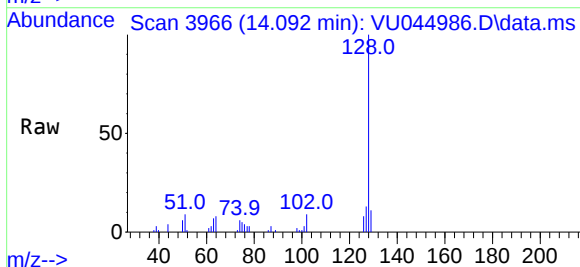
Instrument :
MSVOA_U
ClientSampled :
VU0929MBL01

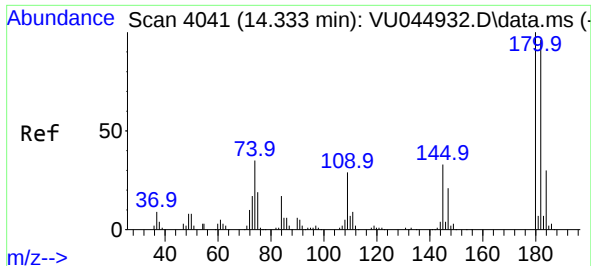
Tgt Ion:	225	Resp:	500
Ion	Ratio	Lower	Upper
225	100		
223	71.2	31.1	93.3
227	51.4	31.4	94.3



#95
Naphthalene
Concen: 1.744 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU044986.D
Acq: 29 Sep 2021 12:22

Tgt Ion:	128	Resp:	20796
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.4	15.6
129	10.4	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.969 ug/l
 RT: 14.336 min Scan# 4042
 Delta R.T. 0.003 min
 Lab File: VU044986.D
 Acq: 29 Sep 2021 12:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0929MBL01

Tgt Ion:180 Resp: 3086

Ion	Ratio	Lower	Upper
180	100		
182	101.3	47.1	141.4
145	34.8	16.4	49.2

