

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092921\
 Data File : VU044998.D
 Acq On : 29 Sep 2021 17:15
 Operator : SY/MD
 Sample : M3936-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P-1

Quant Time: Sep 30 04:32:48 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)

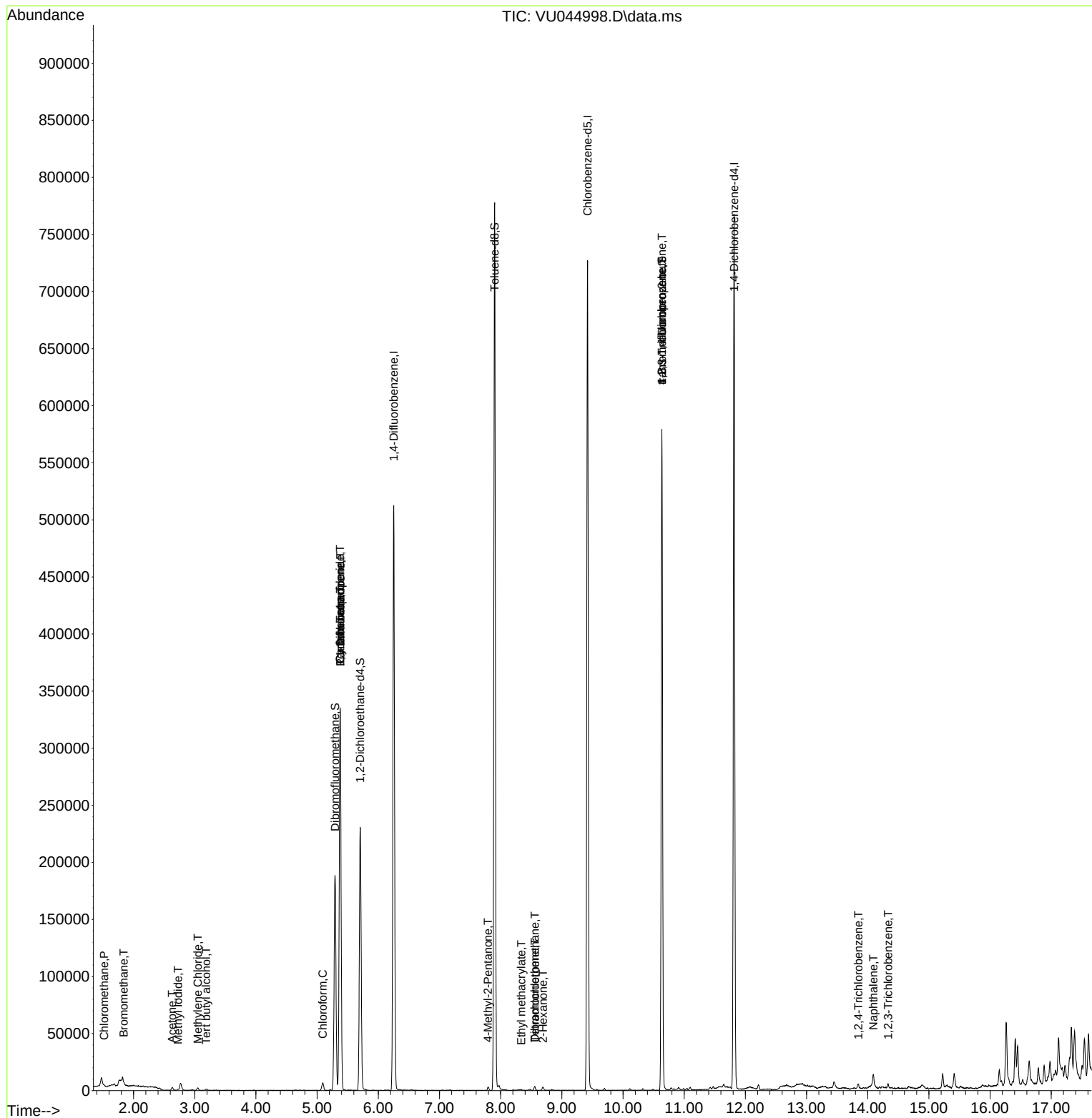
Internal Standards						
1) Pentafluorobenzene	5.379	168	219803	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	393714	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	376845	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	183054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	173155	47.324	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.640%		
35) Dibromofluoromethane	5.292	113	120990	48.714	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.420%		
50) Toluene-d8	7.903	98	506414	51.604	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	103.200%		
62) 4-Bromofluorobenzene	10.636	95	189891	46.869	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.740%		
Target Compounds						Qvalue
3) Chloromethane	1.520	50	783	0.222	ug/l	99
5) Bromomethane	1.838	94	907	0.657	ug/l	88
10) Methyl Iodide	2.729	142	952	0.337	ug/l #	91
11) Tert butyl alcohol	3.186	59	543	0.517	ug/l #	72
16) Acetone	2.629	43	2578	1.187	ug/l	96
20) Methylene Chloride	3.051	84	1012	0.309	ug/l #	82
30) Chloroform	5.092	83	5754	1.010	ug/l	97
31) Cyclohexane	5.375	56	5702	1.026	ug/l #	1
36) 1,1-Dichloropropene	5.379	75	20466	4.971	ug/l #	50
38) Carbon Tetrachloride	5.375	117	23667	6.643	ug/l #	16
51) 4-Methyl-2-Pentanone	7.793	43	2007	0.336	ug/l	98
56) Ethyl methacrylate	8.337	69	286	1.865	ug/l #	67
59) 2-Hexanone	8.694	43	2329	0.479	ug/l	95
60) Dibromochloromethane	8.558	129	835	2.412	ug/l #	10
64) Tetrachloroethene	8.558	164	717	0.292	ug/l	92
76) 1,2,3-Trichloropropane	10.636	75	104469	19.566	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	104469	54.299	ug/l #	9
93) 1,2,4-Trichlorobenzene	13.848	180	1116	0.311	ug/l	84
95) Naphthalene	14.092	128	8474	0.627	ug/l #	93
96) 1,2,3-Trichlorobenzene	14.333	180	1249	0.346	ug/l #	79

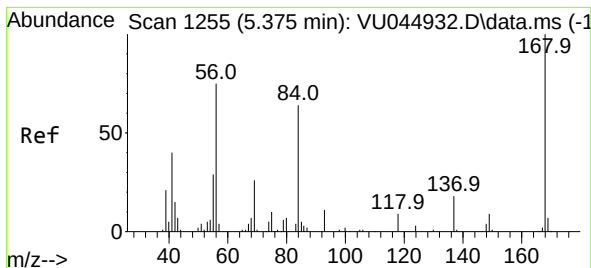
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 30 04:32:48 2021
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.379 min Scan# 1256

Delta R.T. 0.004 min

Lab File: VU044998.D

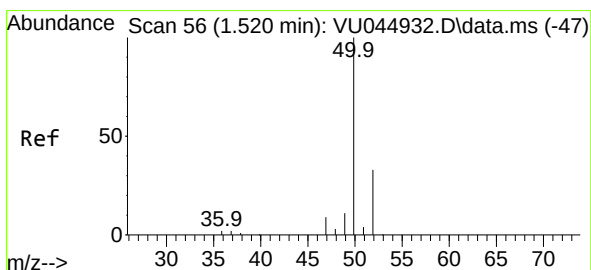
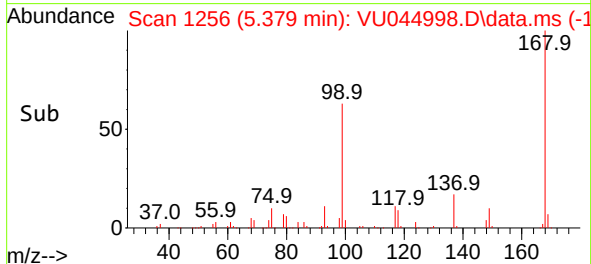
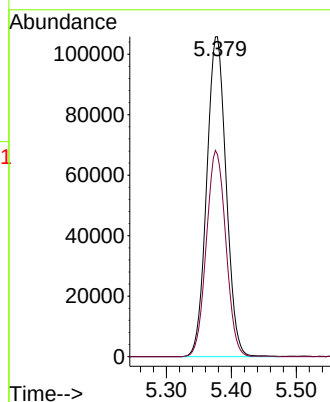
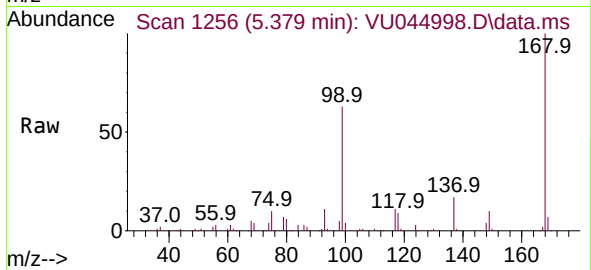
Acq: 29 Sep 2021 17:15

Tgt Ion:168 Resp: 219803

Ion Ratio Lower Upper

168 100

99 63.2 51.4 77.0



#3

Chloromethane

Concen: 0.222 ug/l

RT: 1.520 min Scan# 56

Delta R.T. 0.000 min

Lab File: VU044998.D

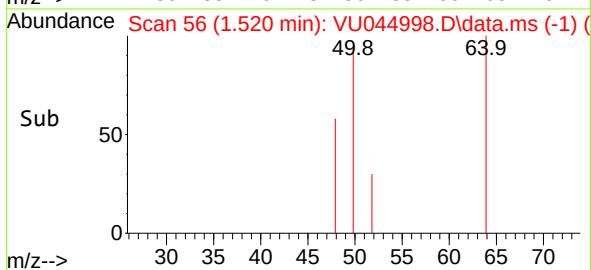
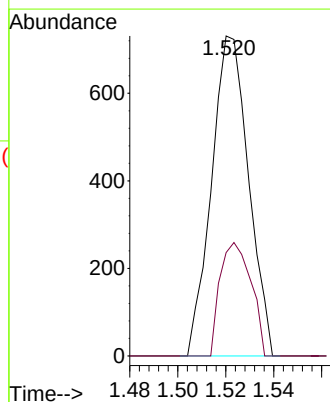
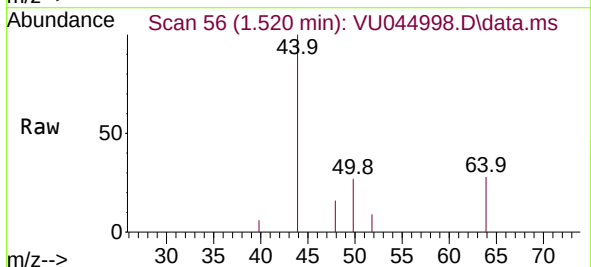
Acq: 29 Sep 2021 17:15

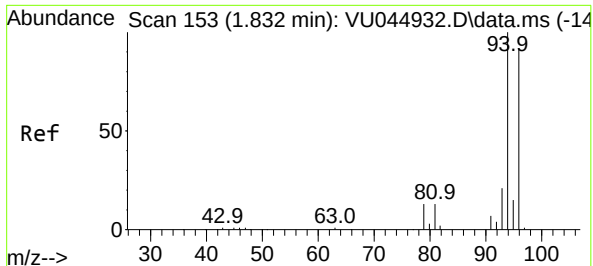
Tgt Ion: 50 Resp: 783

Ion Ratio Lower Upper

50 100

52 32.3 26.3 39.5

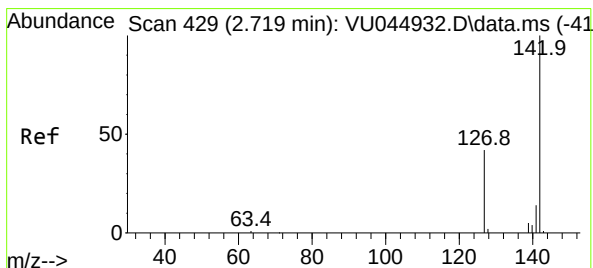
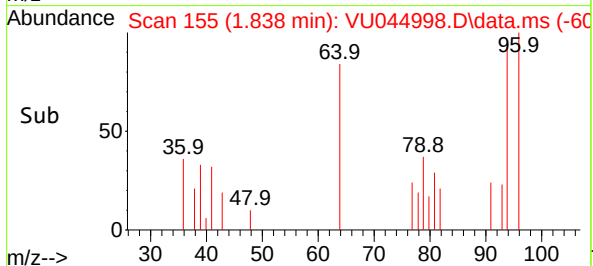
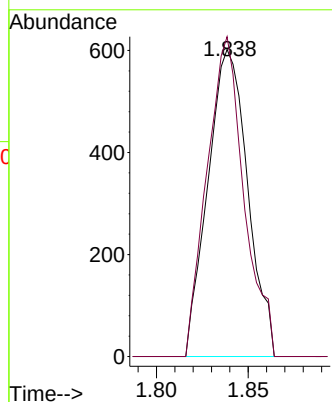
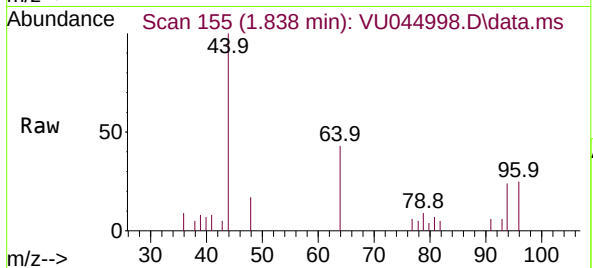




#5
Bromomethane
Concen: 0.657 ug/l
RT: 1.838 min Scan# 155
Delta R.T. 0.006 min
Lab File: VU044998.D
Acq: 29 Sep 2021 17:15

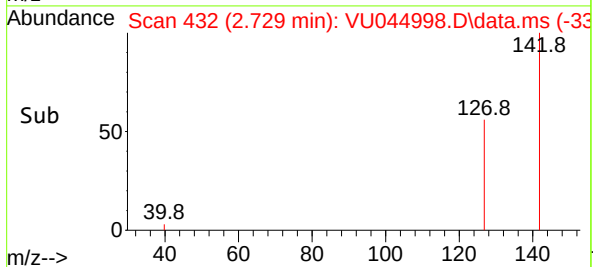
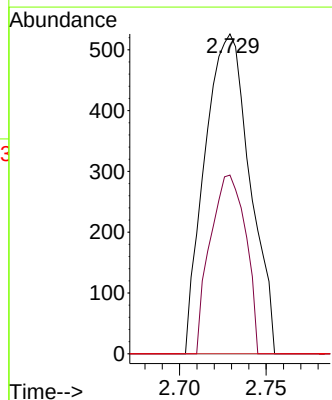
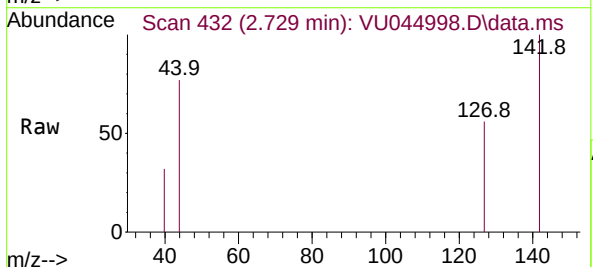
Instrument :
MSVOA_U
ClientSampled :
P-1

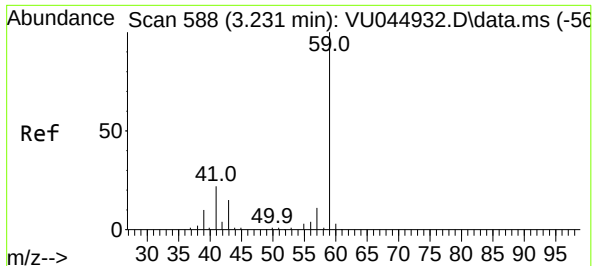
Tgt Ion: 94 Resp: 907
Ion Ratio Lower Upper
94 100
96 104.2 74.5 111.7



#10
Methyl Iodide
Concen: 0.337 ug/l
RT: 2.729 min Scan# 432
Delta R.T. 0.010 min
Lab File: VU044998.D
Acq: 29 Sep 2021 17:15

Tgt Ion: 142 Resp: 952
Ion Ratio Lower Upper
142 100
127 43.9 35.6 53.4
141 0.0 11.3 16.9#



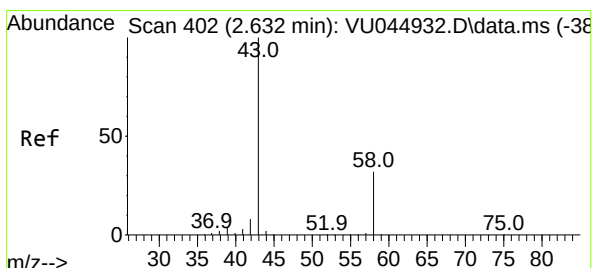
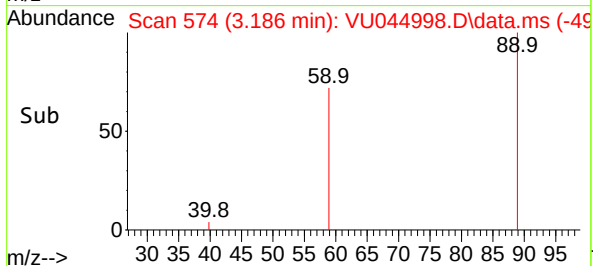
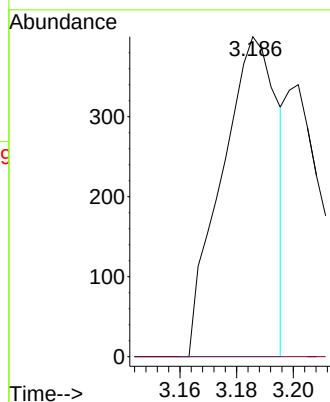
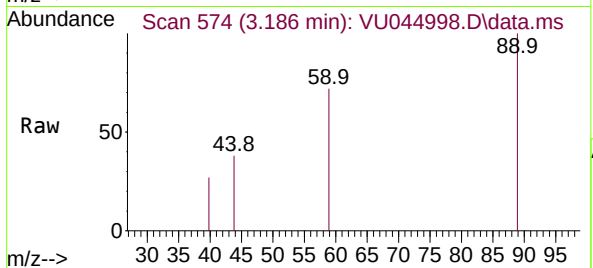


#11

Tert butyl alcohol
Concen: 0.517 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.045 min
Lab File: VU044998.D
Acq: 29 Sep 2021 17:15

Instrument :
MSVOA_U
ClientSampled :
P-1

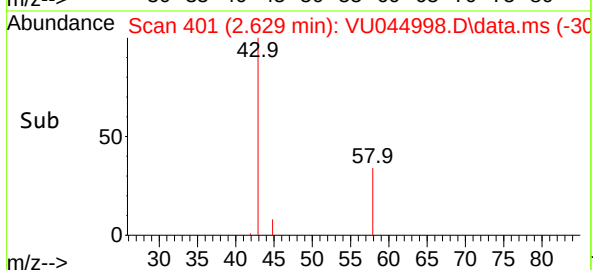
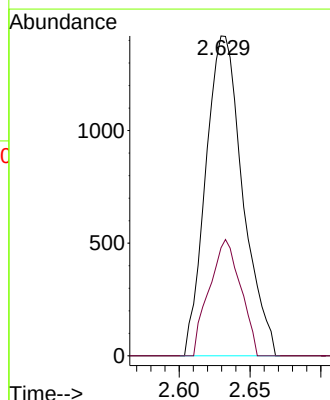
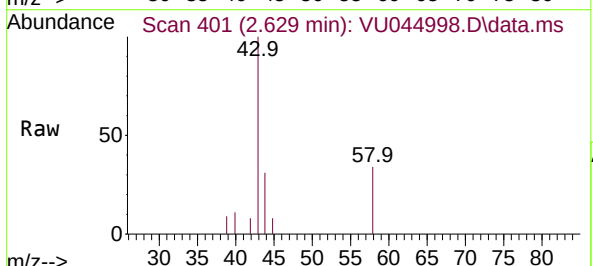
Tgt Ion: 59 Resp: 543
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

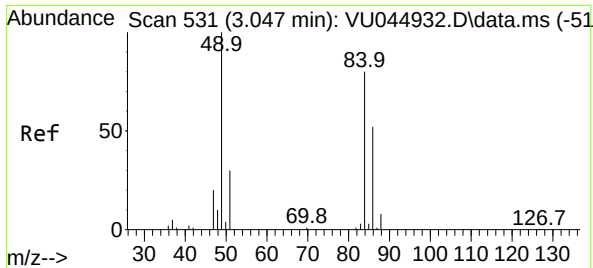


#16

Acetone
Concen: 1.187 ug/l
RT: 2.629 min Scan# 401
Delta R.T. -0.003 min
Lab File: VU044998.D
Acq: 29 Sep 2021 17:15

Tgt Ion: 43 Resp: 2578
Ion Ratio Lower Upper
43 100
58 33.8 25.2 37.8

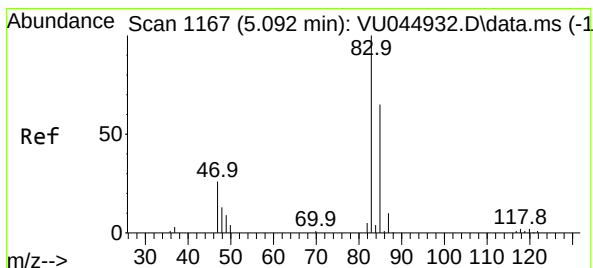
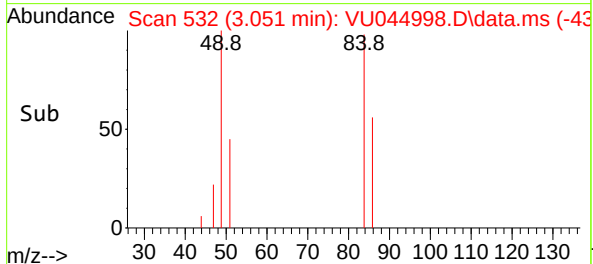
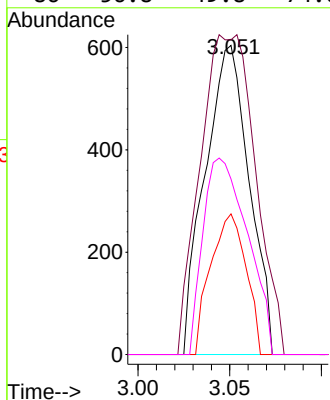
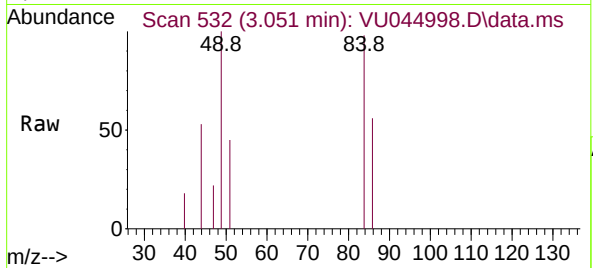




#20
Methylene Chloride
Concen: 0.309 ug/l
RT: 3.051 min Scan# 532
Delta R.T. 0.004 min
Lab File: VU044998.D
Acq: 29 Sep 2021 17:15

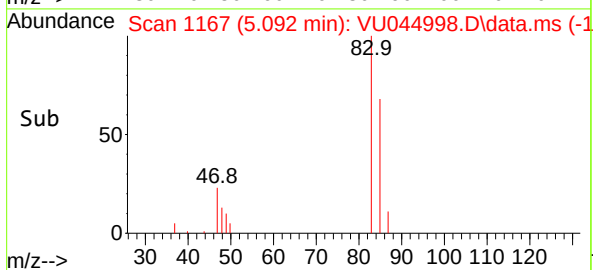
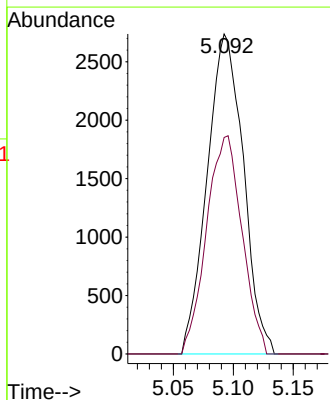
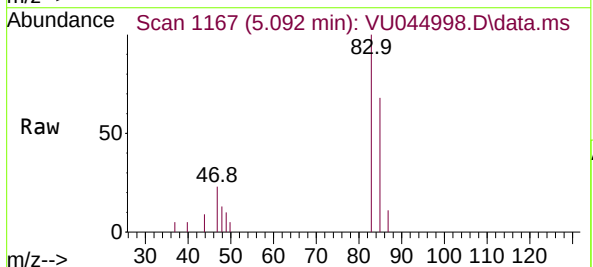
Instrument :
MSVOA_U
ClientSampled :
P-1

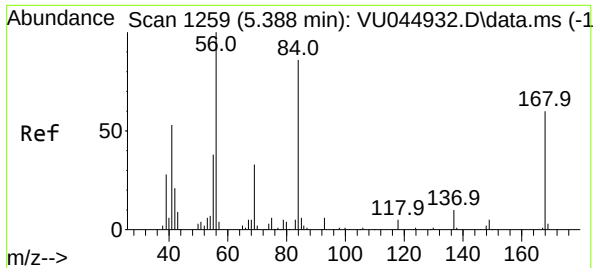
Tgt Ion: 84	Resp: 1012
Ion Ratio	Lower Upper
84 100	
49 101.8	104.9 157.3#
51 45.5	31.8 47.8
86 56.8	49.8 74.6



#30
Chloroform
Concen: 1.010 ug/l
RT: 5.092 min Scan# 1167
Delta R.T. 0.000 min
Lab File: VU044998.D
Acq: 29 Sep 2021 17:15

Tgt Ion: 83	Resp: 5754
Ion Ratio	Lower Upper
83 100	
85 67.7	52.1 78.1

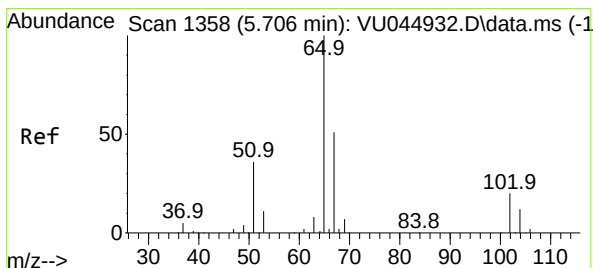
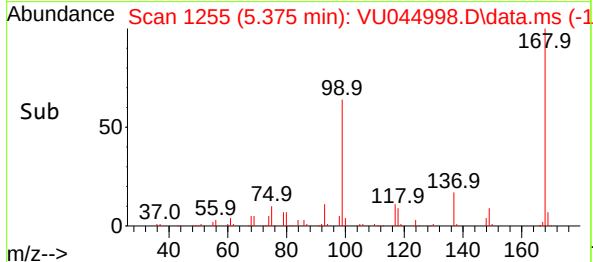
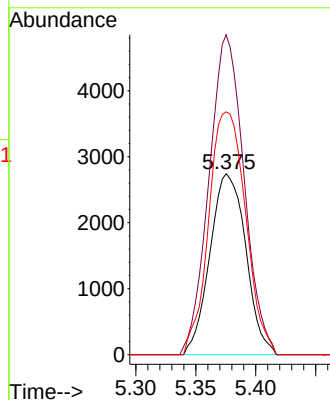
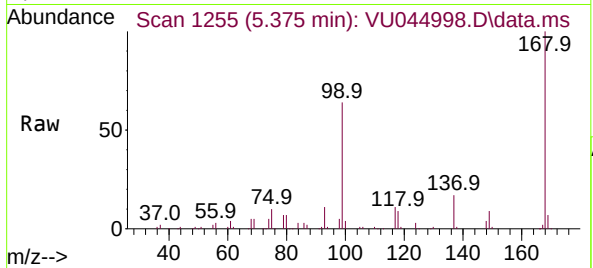




#31
Cyclohexane
Concen: 1.026 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.013 min
Lab File: VU044998.D
Acq: 29 Sep 2021 17:15

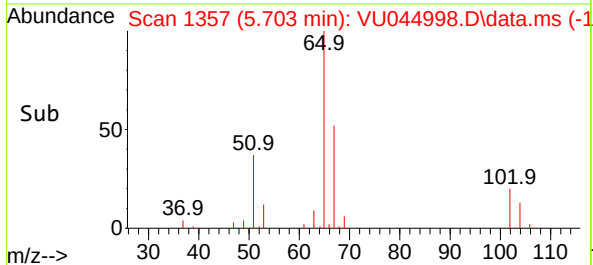
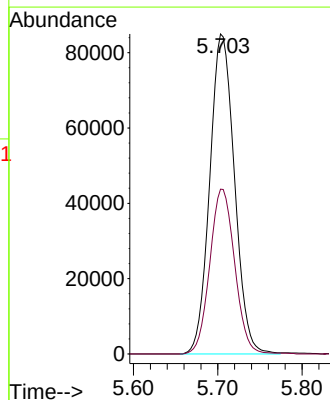
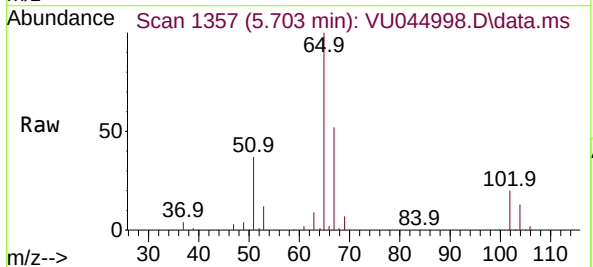
Instrument :
MSVOA_U
ClientSampled :
P-1

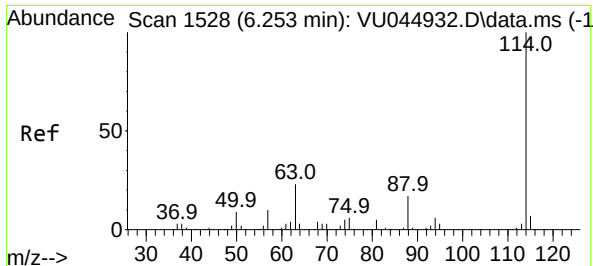
Tgt Ion: 56 Resp: 5702
Ion Ratio Lower Upper
56 100
69 176.9 25.2 37.8#
84 134.2 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 47.324 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VU044998.D
Acq: 29 Sep 2021 17:15

Tgt Ion: 65 Resp: 173155
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.8

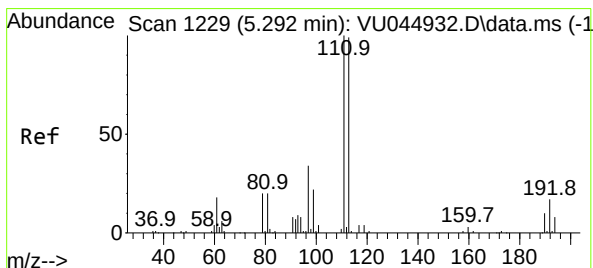
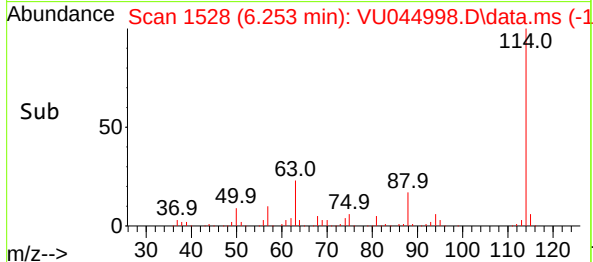
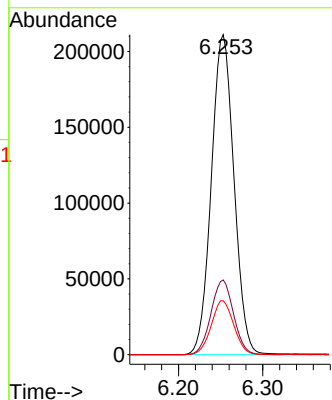
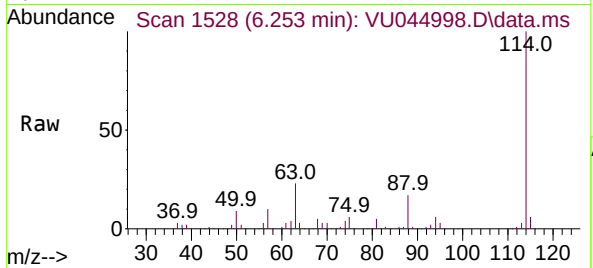




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. 0.000 min
Lab File: VU044998.D
Acq: 29 Sep 2021 17:15

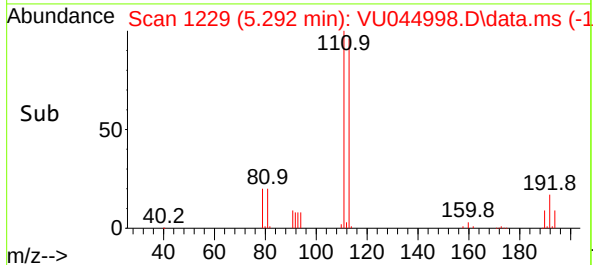
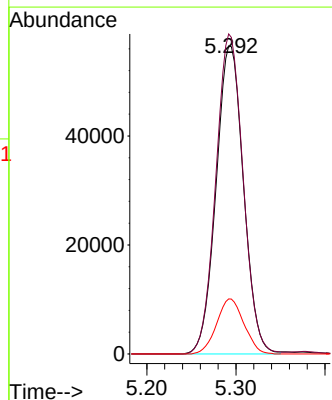
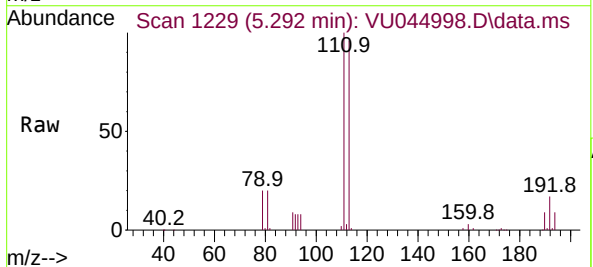
Instrument :
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ClientSampled :
P-1

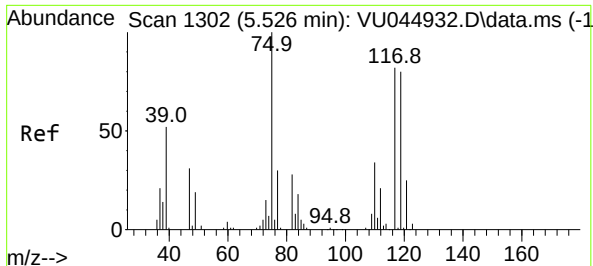
Tgt Ion:114 Resp: 393714
Ion Ratio Lower Upper
114 100
63 23.3 0.0 47.8
88 16.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.714 ug/l
RT: 5.292 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VU044998.D
Acq: 29 Sep 2021 17:15

Tgt Ion:113 Resp: 120990
Ion Ratio Lower Upper
113 100
111 103.3 84.1 126.1
192 17.8 14.8 22.2



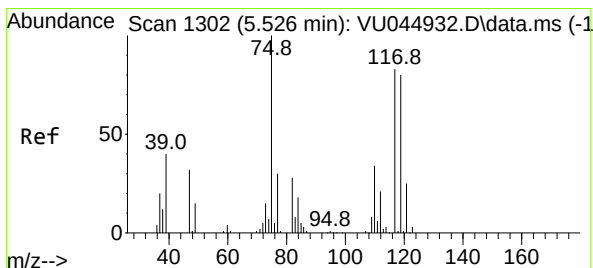
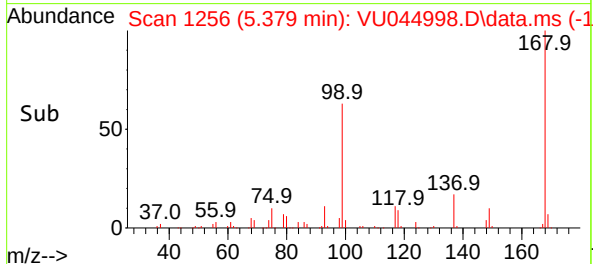
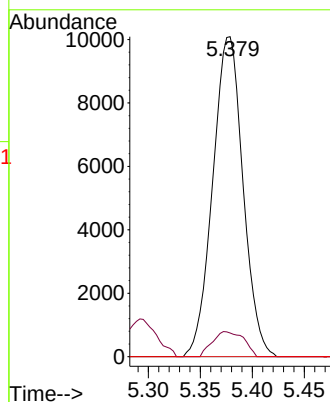
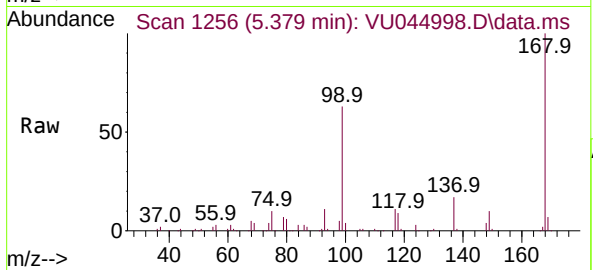


#36

1,1-Dichloropropene
Concen: 4.971 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.147 min
Lab File: VU044998.D
Acq: 29 Sep 2021 17:15

Instrument :
MSVOA_U
ClientSampled :
P-1

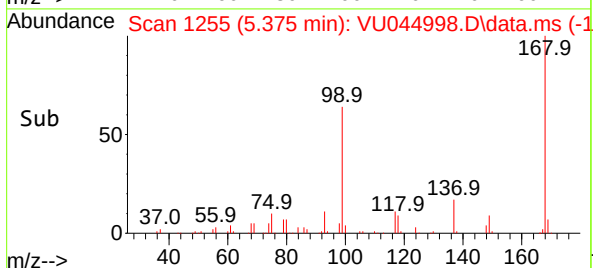
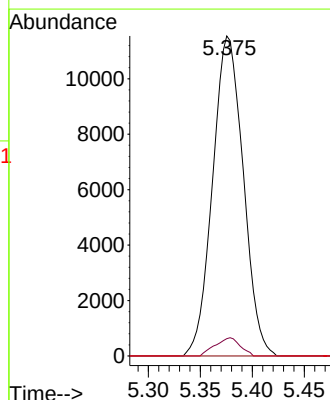
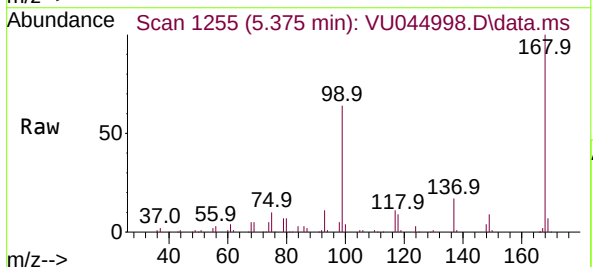
Tgt Ion: 75 Resp: 20466
Ion Ratio Lower Upper
75 100
110 8.1 16.3 48.9#
77 0.0 25.0 37.4#

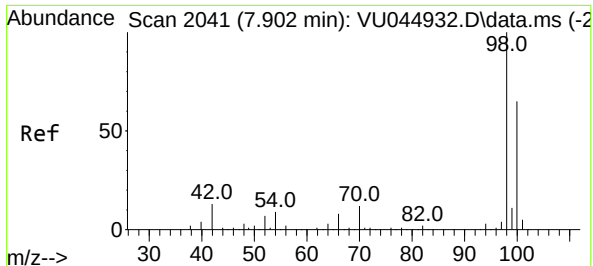


#38

Carbon Tetrachloride
Concen: 6.643 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU044998.D
Acq: 29 Sep 2021 17:15

Tgt Ion: 117 Resp: 23667
Ion Ratio Lower Upper
117 100
119 5.4 77.4 116.2#
121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 51.604 ug/l

RT: 7.903 min Scan# 2041

Delta R.T. 0.001 min

Lab File: VU044998.D

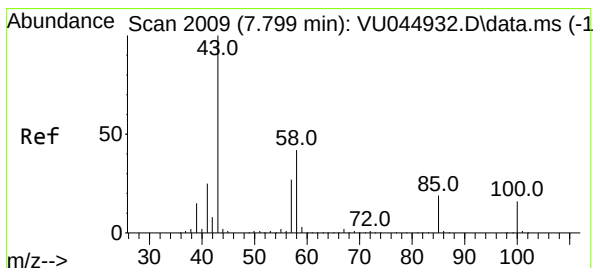
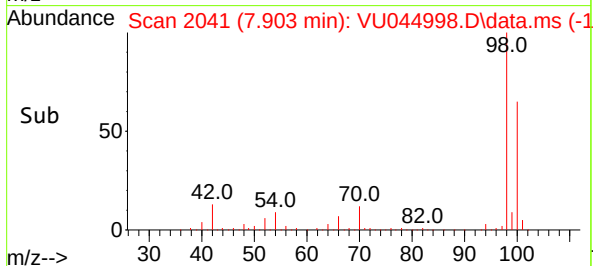
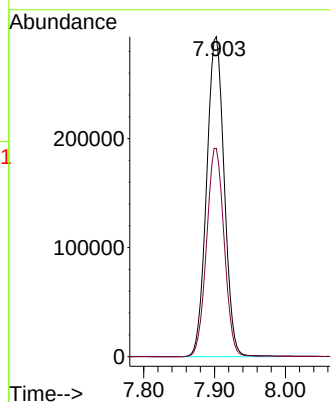
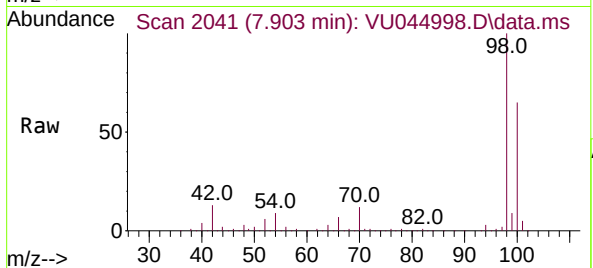
Acq: 29 Sep 2021 17:15

Tgt Ion: 98 Resp: 506414

Ion Ratio Lower Upper

98 100

100 65.2 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.336 ug/l

RT: 7.793 min Scan# 2007

Delta R.T. -0.006 min

Lab File: VU044998.D

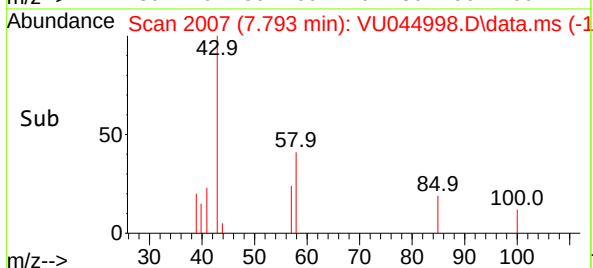
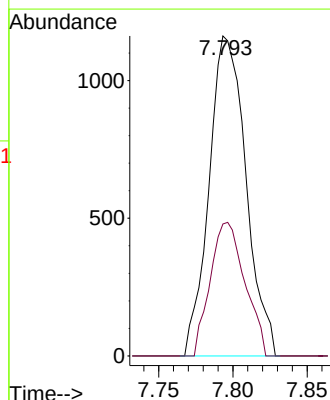
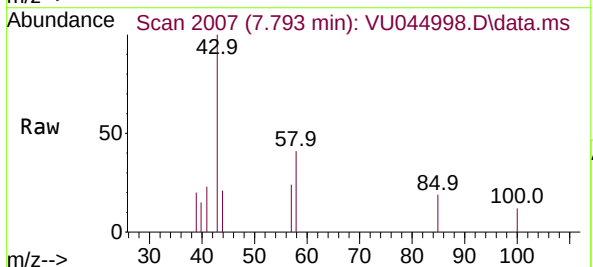
Acq: 29 Sep 2021 17:15

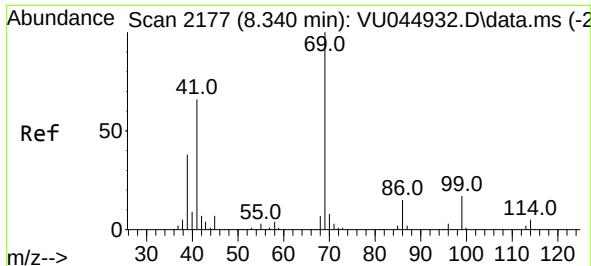
Tgt Ion: 43 Resp: 2007

Ion Ratio Lower Upper

43 100

58 39.3 32.4 48.6

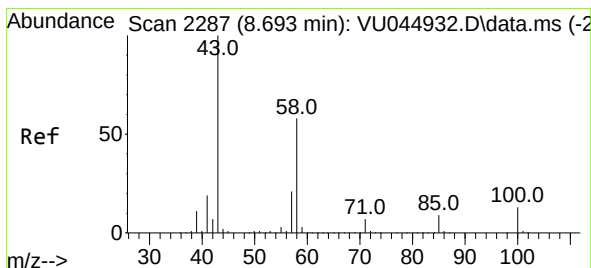
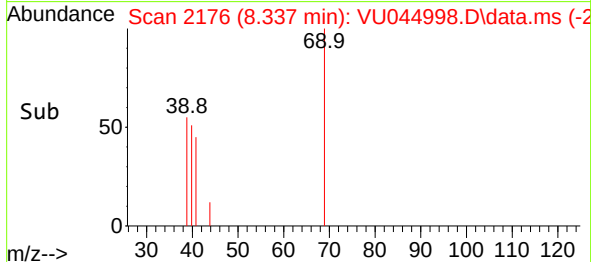
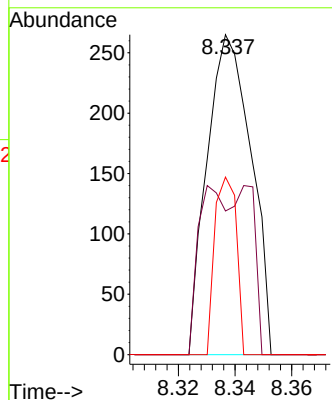
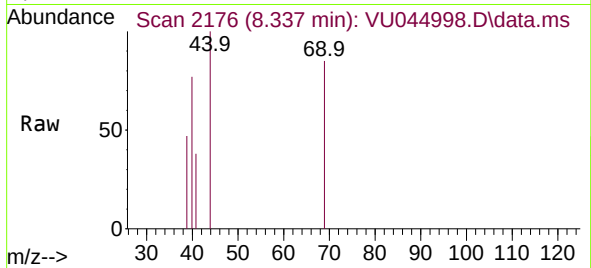




#56
Ethyl methacrylate
Concen: 1.865 ug/l
RT: 8.337 min Scan# 2176
Delta R.T. -0.003 min
Lab File: VU044998.D
Acq: 29 Sep 2021 17:15

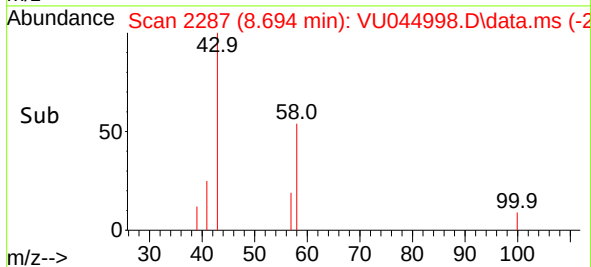
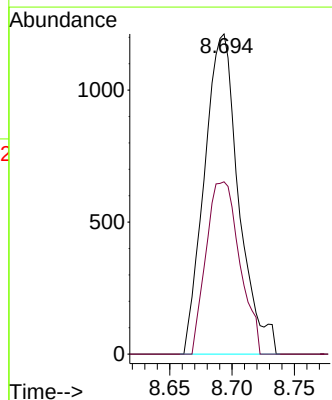
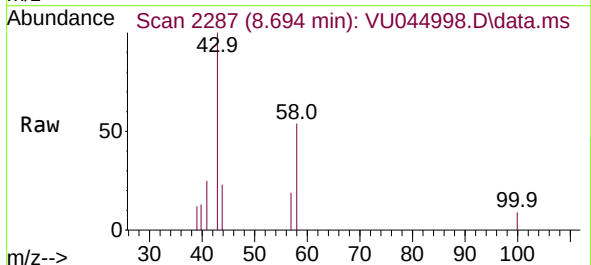
Instrument :
MSVOA_U
ClientSampled :
P-1

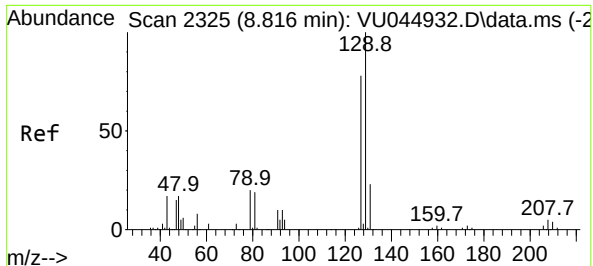
Tgt Ion: 69 Resp: 286
Ion Ratio Lower Upper
69 100
41 33.6 53.5 80.3#
39 27.3 31.1 46.7#



#59
2-Hexanone
Concen: 0.479 ug/l
RT: 8.694 min Scan# 2287
Delta R.T. 0.001 min
Lab File: VU044998.D
Acq: 29 Sep 2021 17:15

Tgt Ion: 43 Resp: 2329
Ion Ratio Lower Upper
43 100
58 52.6 28.0 84.0

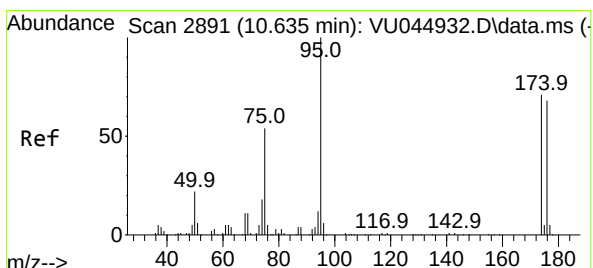
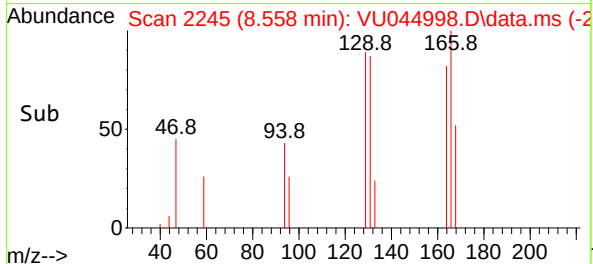
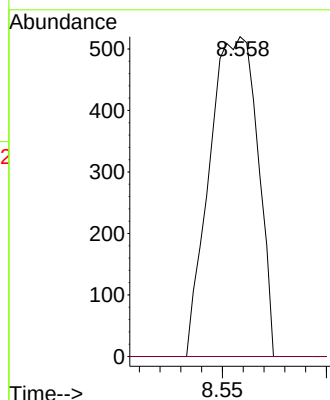
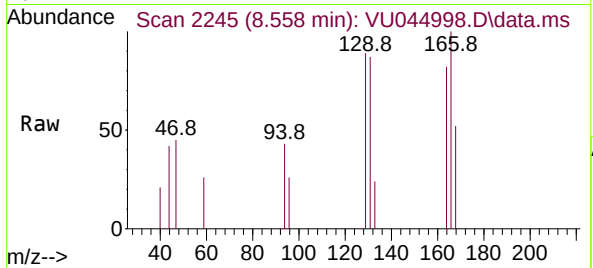




#60
Dibromochloromethane
Concen: 2.412 ug/l
RT: 8.558 min Scan# 2245
Delta R.T. -0.258 min
Lab File: VU044998.D
Acq: 29 Sep 2021 17:15

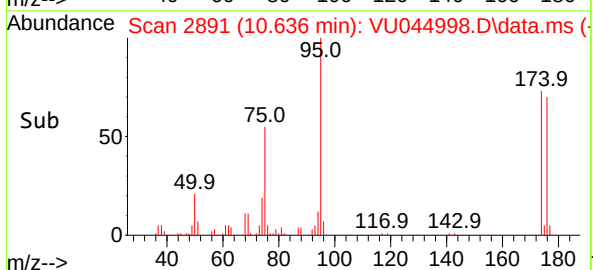
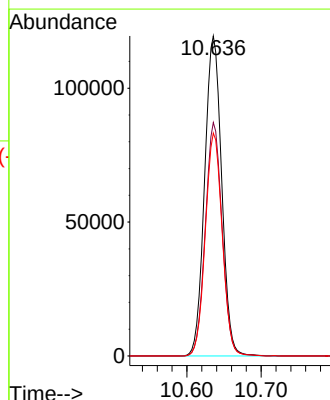
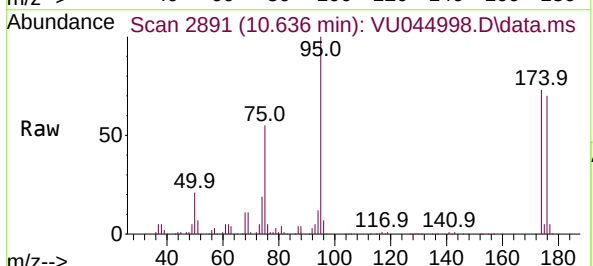
Instrument :
MSVOA_U
ClientSampled :
P-1

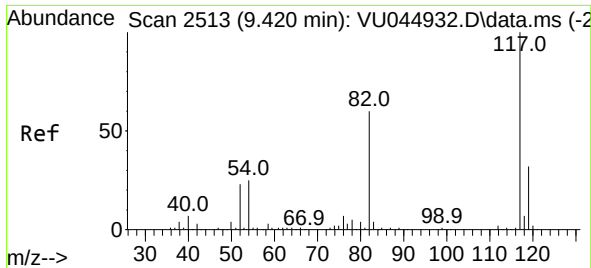
Tgt Ion:129 Resp: 835
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 46.869 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.001 min
Lab File: VU044998.D
Acq: 29 Sep 2021 17:15

Tgt Ion: 95 Resp: 189891
Ion Ratio Lower Upper
95 100
174 72.1 0.0 146.6
176 69.2 0.0 141.2

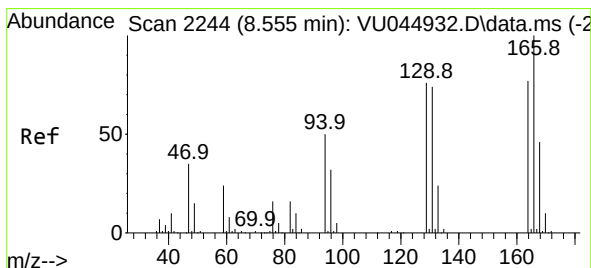
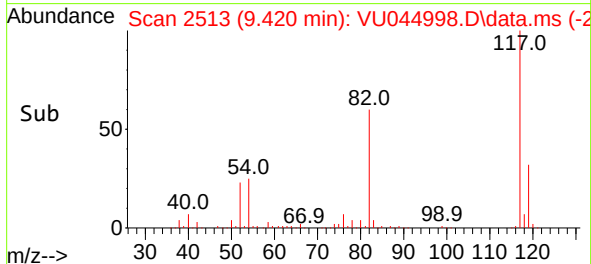
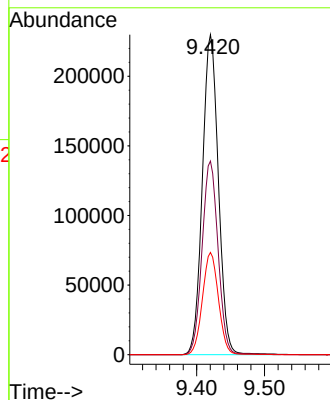
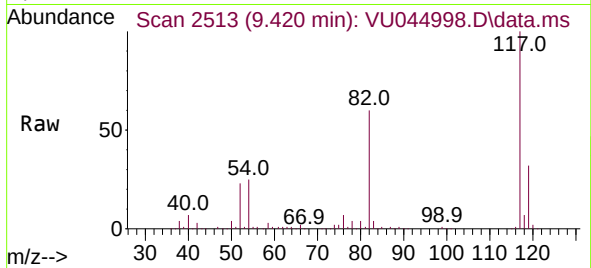




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU044998.D
Acq: 29 Sep 2021 17:15

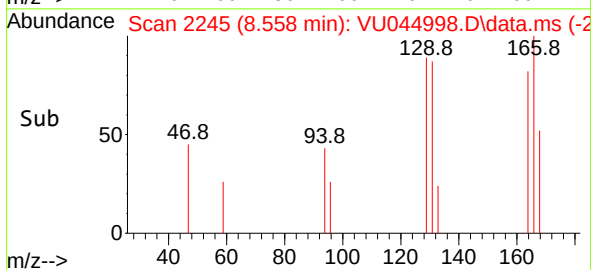
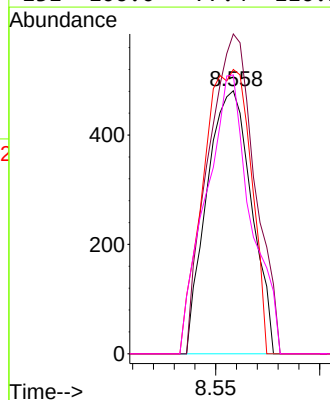
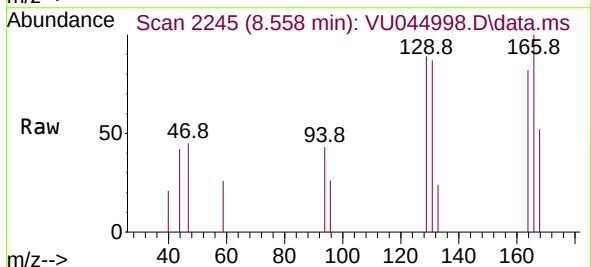
Instrument :
MSVOA_U
ClientSampled :
P-1

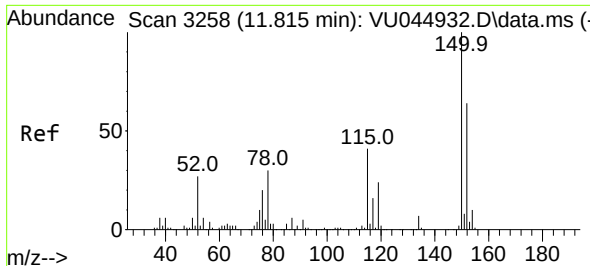
Tgt Ion:117 Resp: 376845
Ion Ratio Lower Upper
117 100
82 60.5 47.8 71.8
119 31.9 25.8 38.6



#64
Tetrachloroethene
Concen: 0.292 ug/l
RT: 8.558 min Scan# 2245
Delta R.T. 0.003 min
Lab File: VU044998.D
Acq: 29 Sep 2021 17:15

Tgt Ion:164 Resp: 717
Ion Ratio Lower Upper
164 100
166 121.6 102.8 154.2
129 108.1 79.4 119.2
131 106.0 77.4 116.2

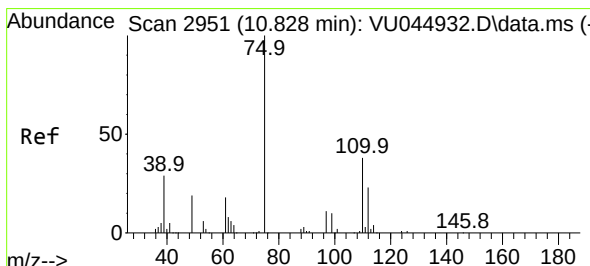
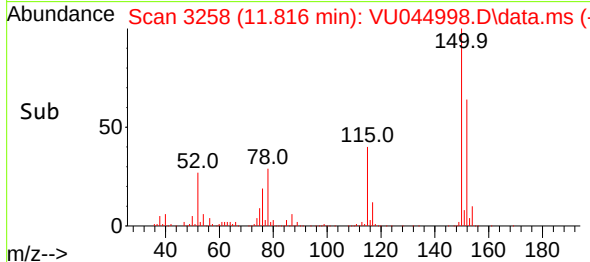
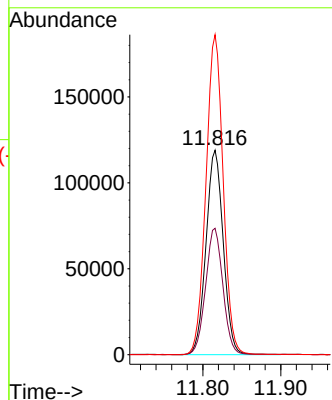
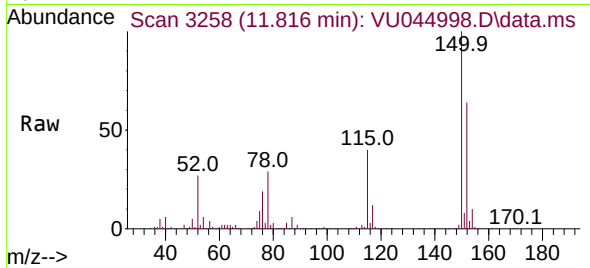




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.816 min Scan# 3258
 Delta R.T. 0.001 min
 Lab File: VU044998.D
 Acq: 29 Sep 2021 17:15

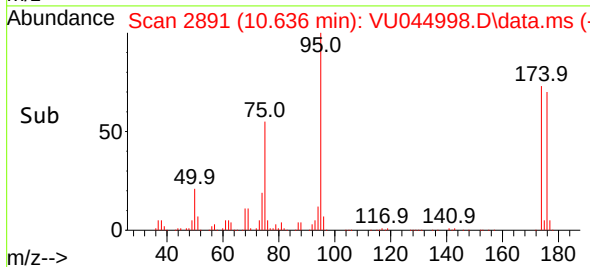
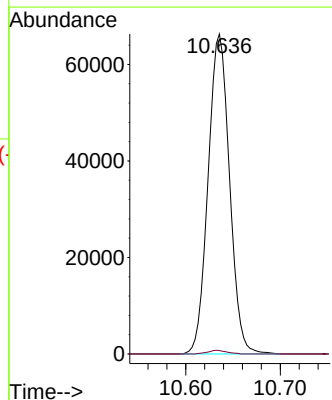
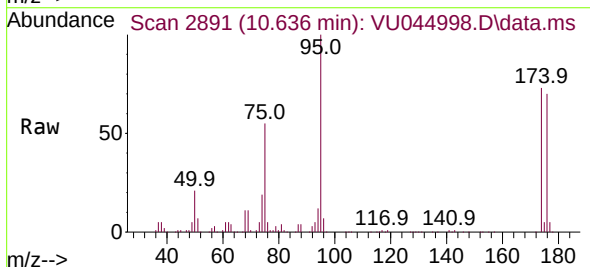
Instrument :
 MSVOA_U
 ClientSampled :
 P-1

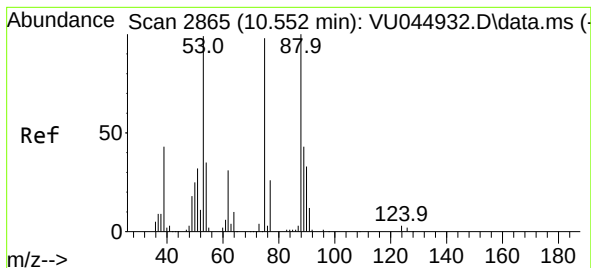
Tgt Ion:152 Resp: 183054
 Ion Ratio Lower Upper
 152 100
 115 61.7 43.5 130.7
 150 155.8 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 19.566 ug/l
 RT: 10.636 min Scan# 2891
 Delta R.T. -0.192 min
 Lab File: VU044998.D
 Acq: 29 Sep 2021 17:15

Tgt Ion: 75 Resp: 104469
 Ion Ratio Lower Upper
 75 100
 77 1.0 17.9 53.7#

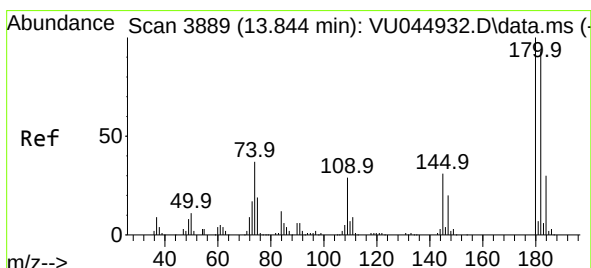
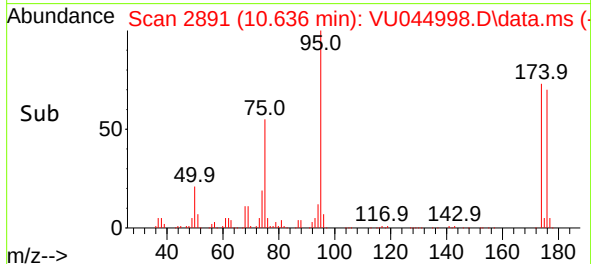
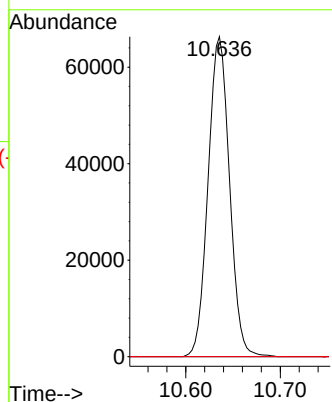
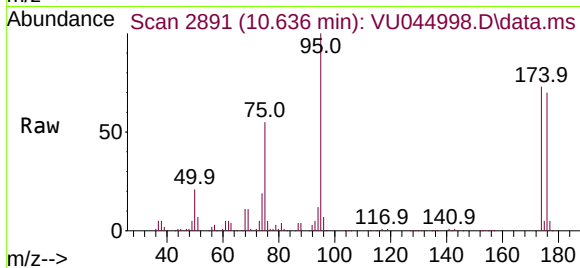




#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.299 ug/l
 RT: 10.636 min Scan# 2891
 Delta R.T. 0.084 min
 Lab File: VU044998.D
 Acq: 29 Sep 2021 17:15

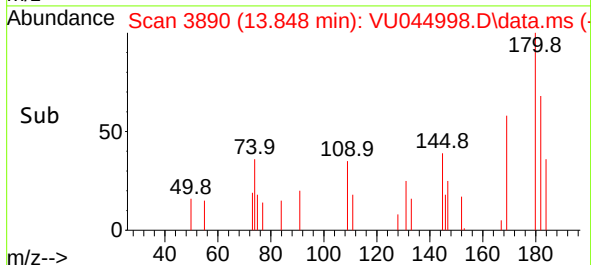
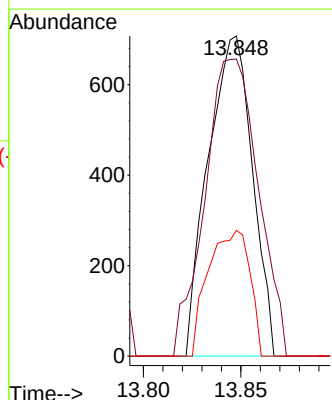
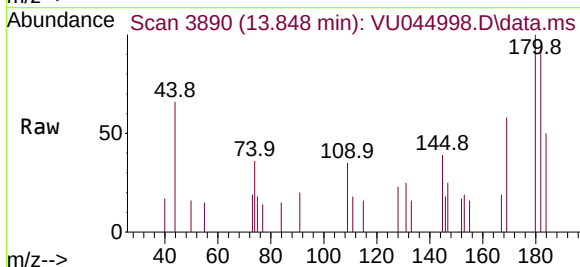
Instrument :
 MSVOA_U
 ClientSampled :
 P-1

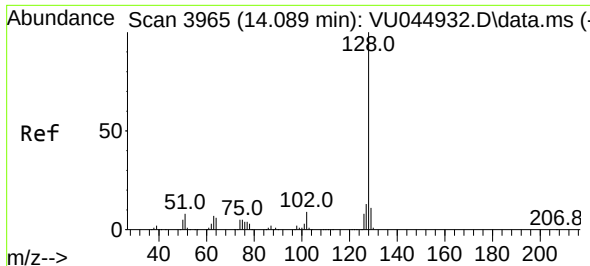
Tgt Ion: 75 Resp: 104469
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.0 123.0#
 89 0.0 34.2 51.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.311 ug/l
 RT: 13.848 min Scan# 3890
 Delta R.T. 0.004 min
 Lab File: VU044998.D
 Acq: 29 Sep 2021 17:15

Tgt Ion:180 Resp: 1116
 Ion Ratio Lower Upper
 180 100
 182 111.9 47.4 142.3
 145 36.8 15.4 46.2

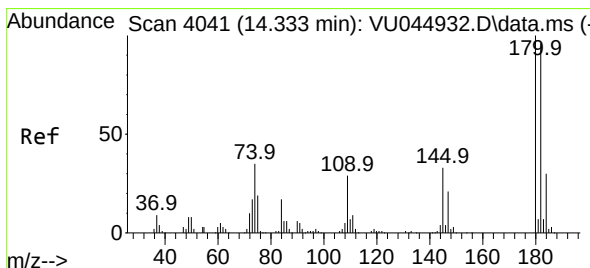
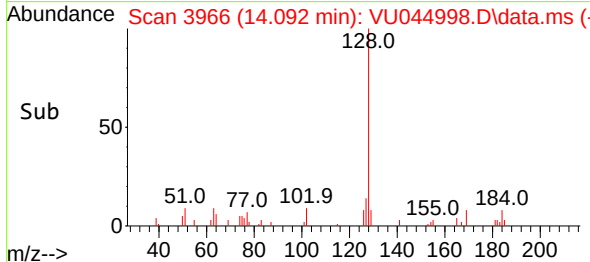
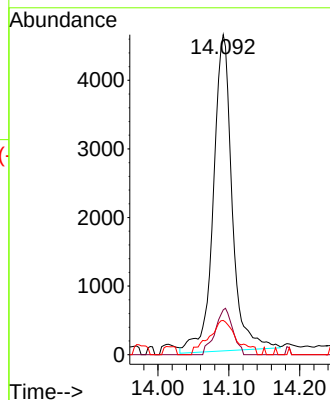
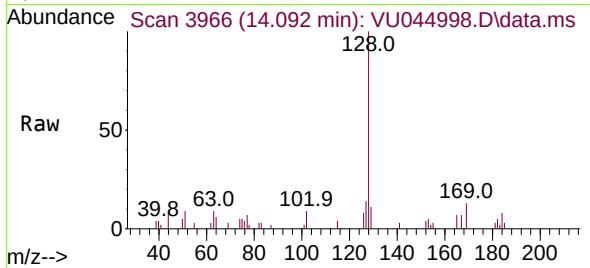




#95
Naphthalene
Concen: 0.627 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU044998.D
Acq: 29 Sep 2021 17:15

Instrument :
MSVOA_U
ClientSampled :
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Tgt Ion:128	Resp:	8474
Ion Ratio	Lower	Upper
128	100	
127	13.6	10.4 15.6
129	16.0	8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.346 ug/l
RT: 14.333 min Scan# 4041
Delta R.T. 0.000 min
Lab File: VU044998.D
Acq: 29 Sep 2021 17:15

Tgt Ion:180	Resp:	1249
Ion Ratio	Lower	Upper
180	100	
182	109.4	47.1 141.4
145	52.4	16.4 49.2#

