

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU093021\
 Data File : VU045041.D
 Acq On : 30 Sep 2021 12:55
 Operator : SY/MD
 Sample : M3956-02
 Misc : 8.79g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 30 16:07:32 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)

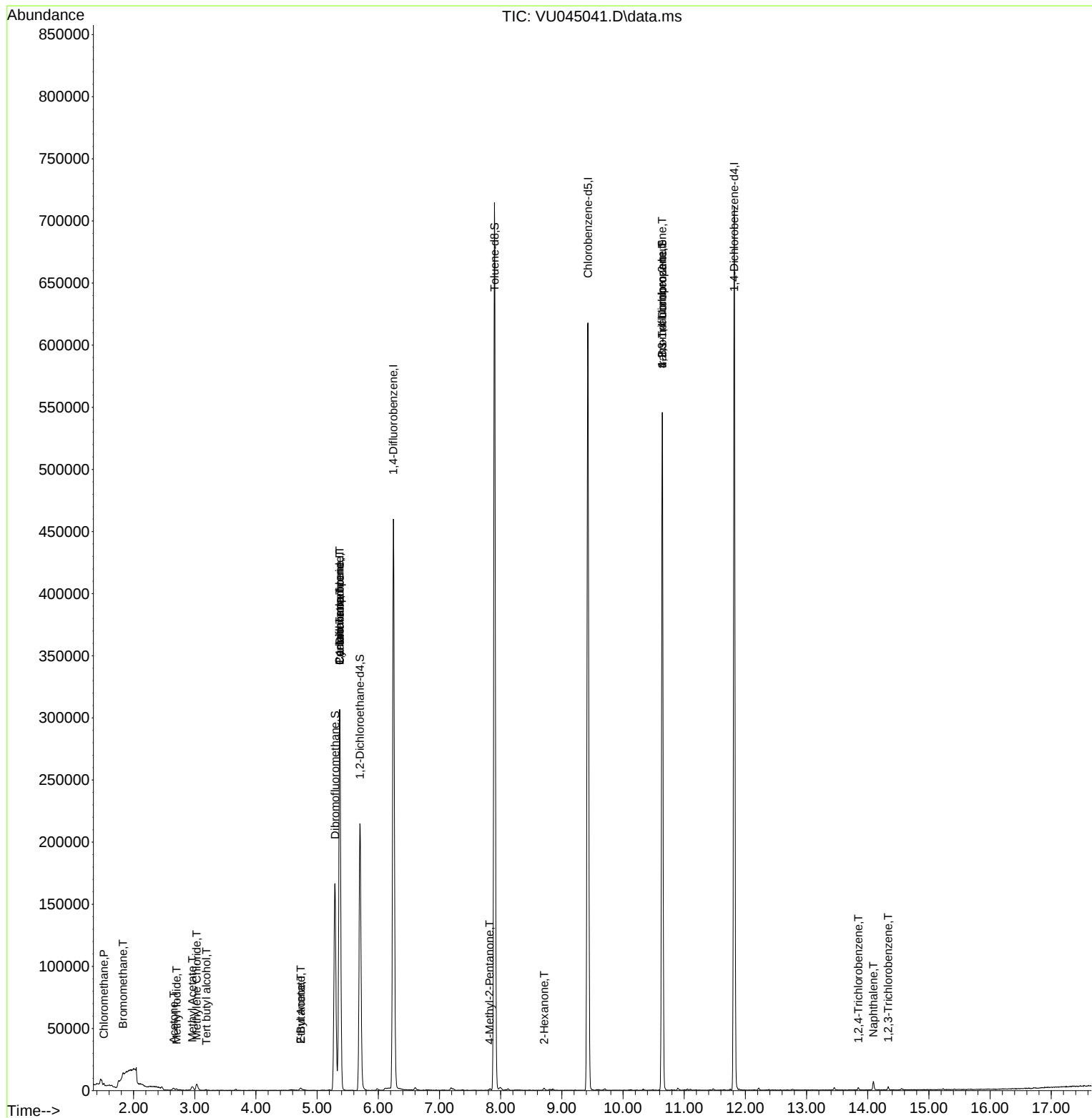
Internal Standards						
1) Pentafluorobenzene	5.369	168	208740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	380808	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.427	117	367696	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	170817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	170805	49.156	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.320%
35) Dibromofluoromethane	5.292	113	115783	48.197	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.400%
50) Toluene-d8	7.899	98	483980	50.990	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.980%
62) 4-Bromofluorobenzene	10.642	95	187479	47.842	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.680%
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	1277	0.381	ug/l #	88
5) Bromomethane	1.826	94	757	0.577	ug/l	94
10) Methyl Iodide	2.703	142	955	0.356	ug/l #	74
11) Tert butyl alcohol	3.189	59	238	0.239	ug/l #	72
16) Acetone	2.658	43	2323	1.126	ug/l #	79
18) Methyl Acetate	2.961	43	5203	0.863	ug/l #	85
20) Methylene Chloride	3.031	84	3010	0.969	ug/l	91
25) 2-Butanone	4.732	43	3982	1.359	ug/l	95
31) Cyclohexane	5.369	56	5241	0.993	ug/l #	1
36) 1,1-Dichloropropene	5.369	75	19829	4.979	ug/l #	50
37) Ethyl Acetate	4.732	43	3982	0.756	ug/l #	69
38) Carbon Tetrachloride	5.369	117	21310	6.184	ug/l #	16
51) 4-Methyl-2-Pentanone	7.822	43	1448	0.251	ug/l #	51
59) 2-Hexanone	8.713	43	1483	0.316	ug/l	98
76) 1,2,3-Trichloropropane	10.642	75	100739	20.219	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.642	75	100739	56.111	ug/l #	9
93) 1,2,4-Trichlorobenzene	13.848	180	841	0.251	ug/l	96
95) Naphthalene	14.092	128	6188	0.491	ug/l #	95
96) 1,2,3-Trichlorobenzene	14.333	180	923	0.274	ug/l	94

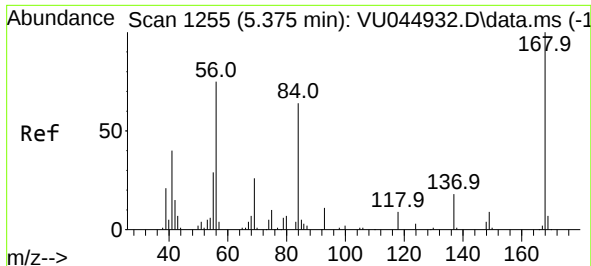
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 28 12:32:13 2021
Response via : Initial Calibration

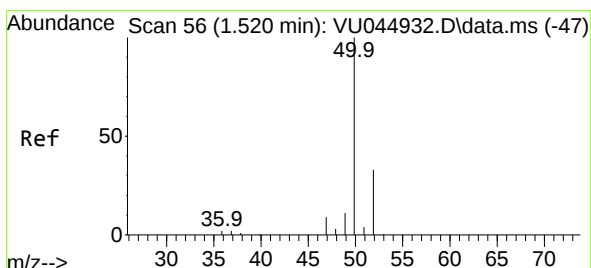
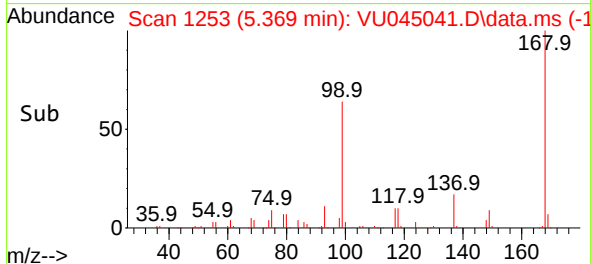
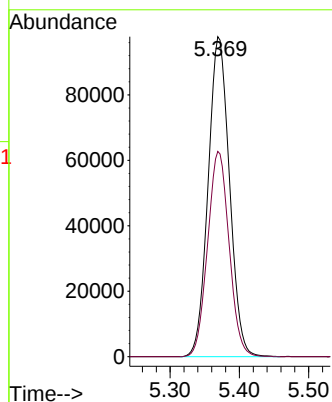
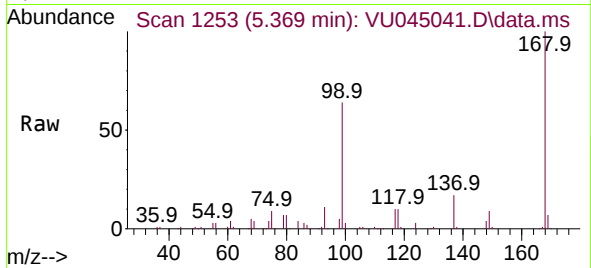




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.006 min
Lab File: VU045041.D
Acq: 30 Sep 2021 12:55

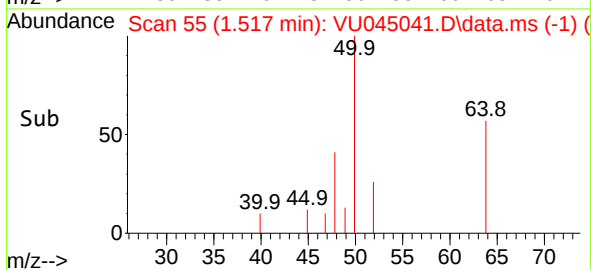
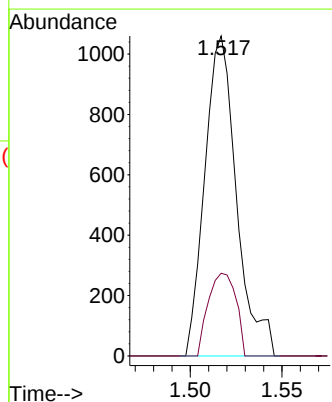
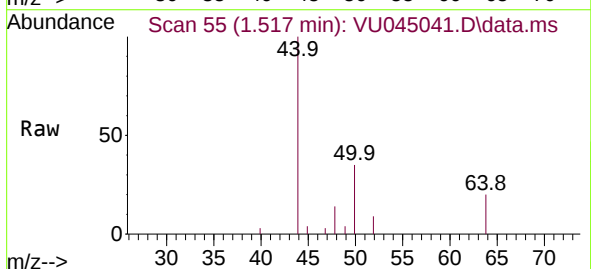
Instrument :
MSVOA_U
ClientSampleId :

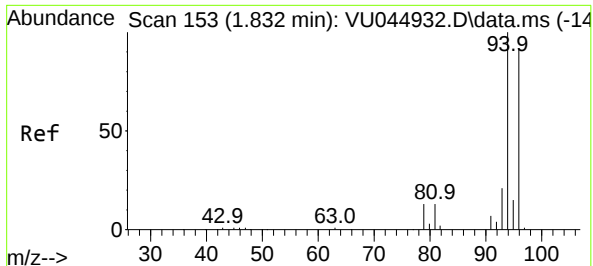
Tgt Ion:168 Resp: 208740
Ion Ratio Lower Upper
168 100
99 64.1 51.4 77.0



#3
Chloromethane
Concen: 0.381 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU045041.D
Acq: 30 Sep 2021 12:55

Tgt Ion: 50 Resp: 1277
Ion Ratio Lower Upper
50 100
52 25.8 26.3 39.5#

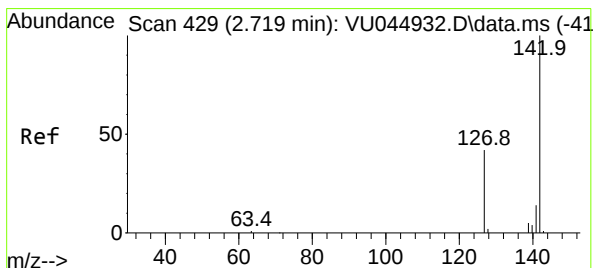
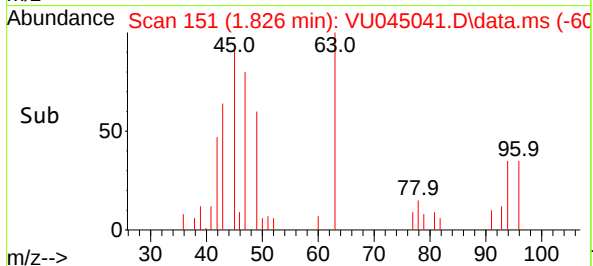
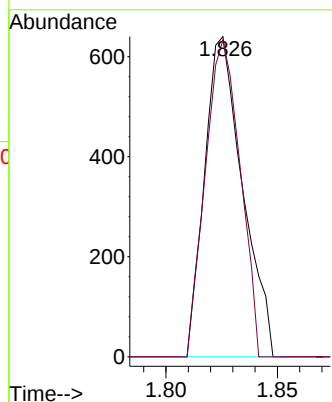
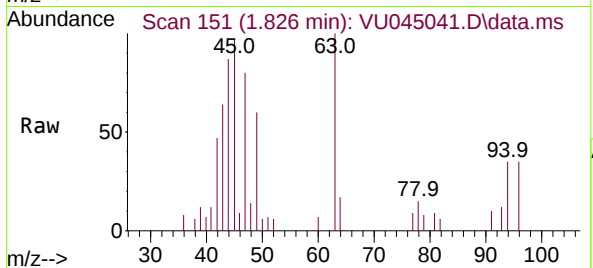




#5
Bromomethane
Concen: 0.577 ug/l
RT: 1.826 min Scan# 151
Delta R.T. -0.006 min
Lab File: VU045041.D
Acq: 30 Sep 2021 12:55

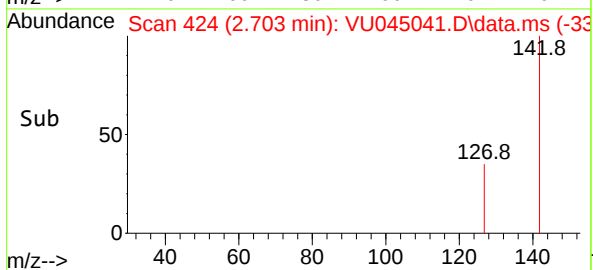
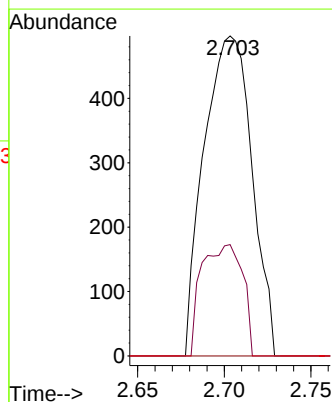
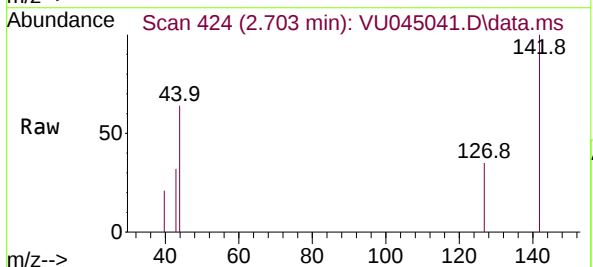
Instrument :
MSVOA_U
ClientSampleId :

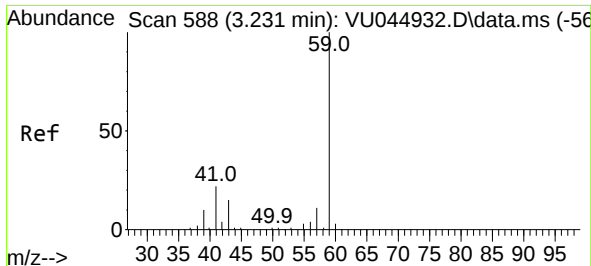
Tgt Ion: 94 Resp: 757
Ion Ratio Lower Upper
94 100
96 98.9 74.5 111.7



#10
Methyl Iodide
Concen: 0.356 ug/l
RT: 2.703 min Scan# 424
Delta R.T. -0.016 min
Lab File: VU045041.D
Acq: 30 Sep 2021 12:55

Tgt Ion: 142 Resp: 955
Ion Ratio Lower Upper
142 100
127 29.7 35.6 53.4#
141 0.0 11.3 16.9#

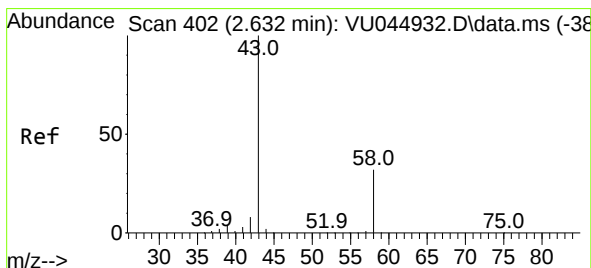
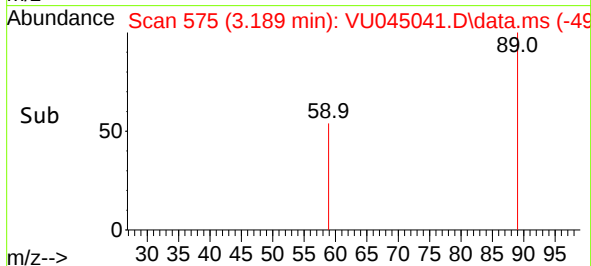
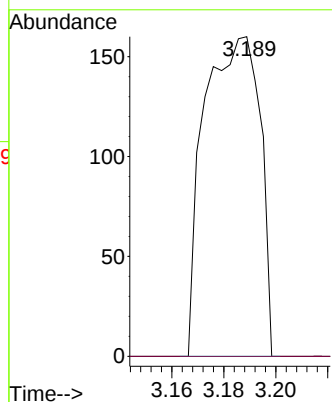
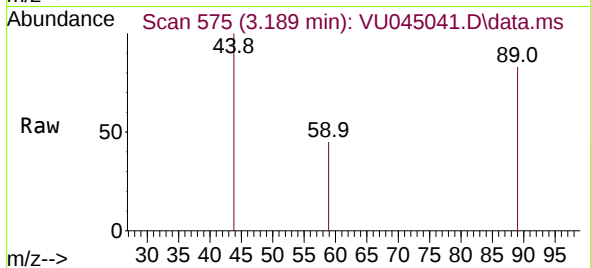




#11
Tert butyl alcohol
Concen: 0.239 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.042 min
Lab File: VU045041.D
Acq: 30 Sep 2021 12:55

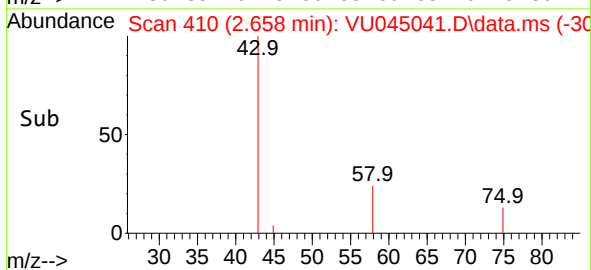
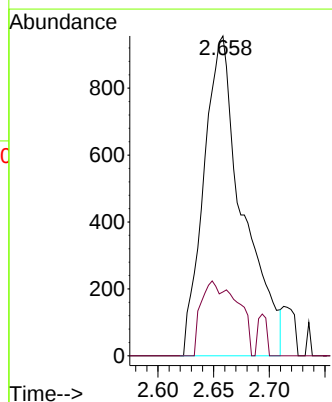
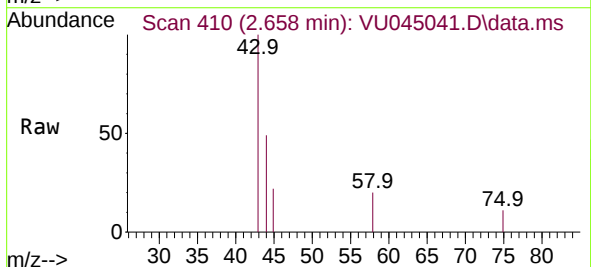
Instrument :
MSVOA_U
ClientSampled :

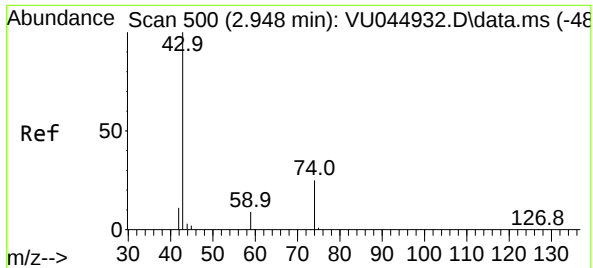
Tgt Ion: 59 Resp: 238
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 1.126 ug/l
RT: 2.658 min Scan# 410
Delta R.T. 0.026 min
Lab File: VU045041.D
Acq: 30 Sep 2021 12:55

Tgt Ion: 43 Resp: 2323
Ion Ratio Lower Upper
43 100
58 20.0 25.2 37.8#

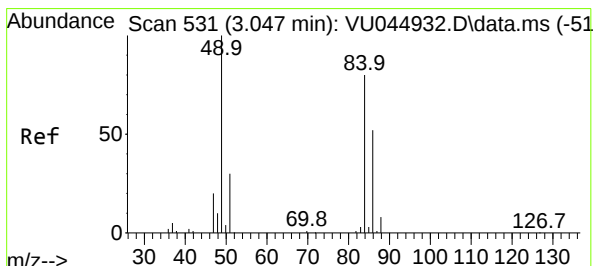
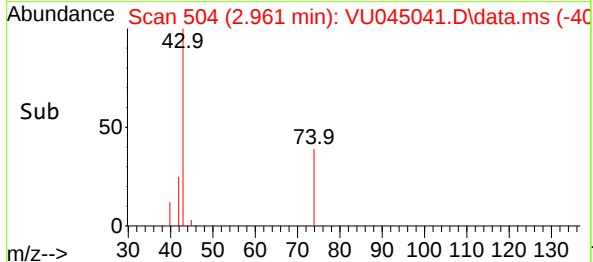
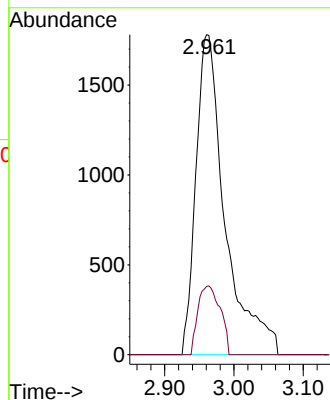
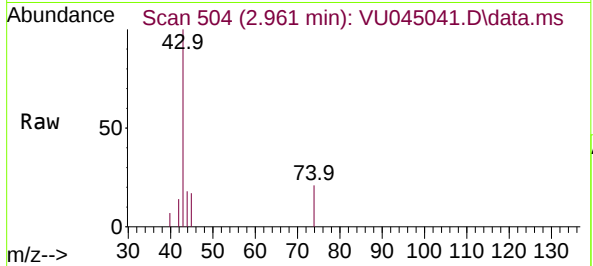




#18
Methyl Acetate
Concen: 0.863 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.013 min
Lab File: VU045041.D
Acq: 30 Sep 2021 12:55

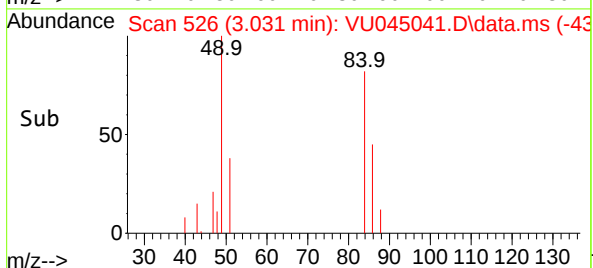
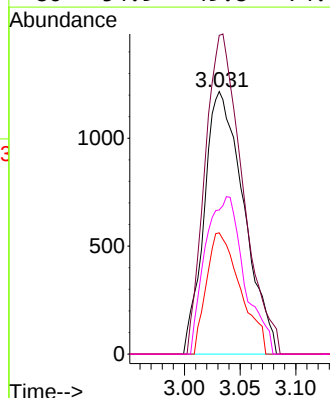
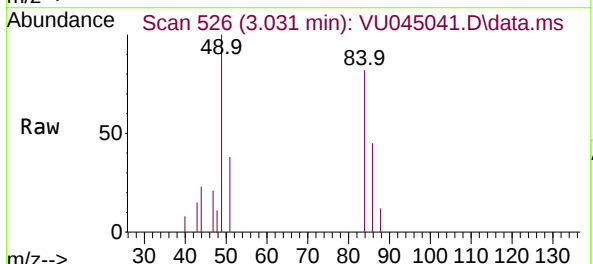
Instrument :
MSVOA_U
ClientSampled :

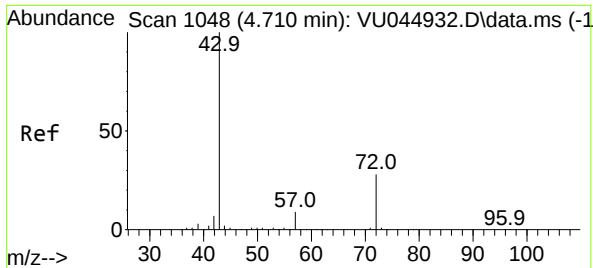
Tgt Ion: 43 Resp: 5203
Ion Ratio Lower Upper
43 100
74 16.4 19.0 28.6#



#20
Methylene Chloride
Concen: 0.969 ug/l
RT: 3.031 min Scan# 526
Delta R.T. -0.016 min
Lab File: VU045041.D
Acq: 30 Sep 2021 12:55

Tgt Ion: 84 Resp: 3010
Ion Ratio Lower Upper
84 100
49 121.4 104.9 157.3
51 46.2 31.8 47.8
86 54.9 49.8 74.6

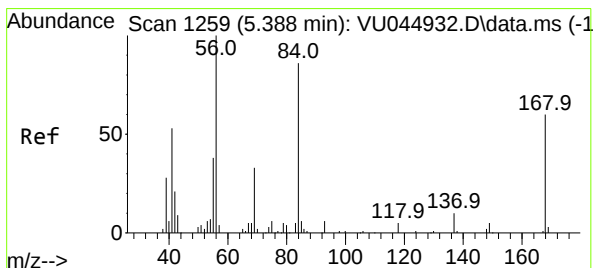
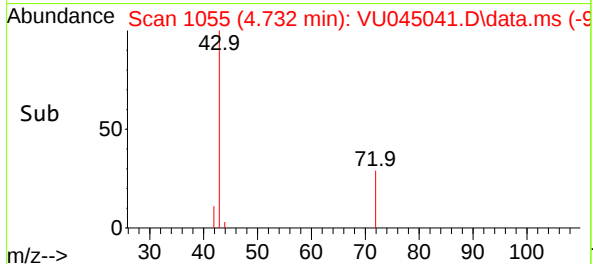
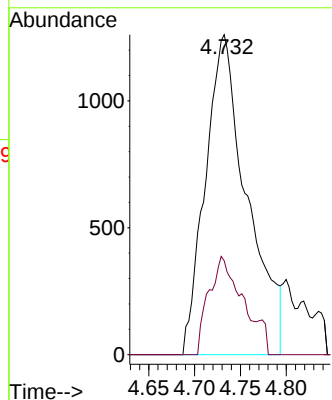
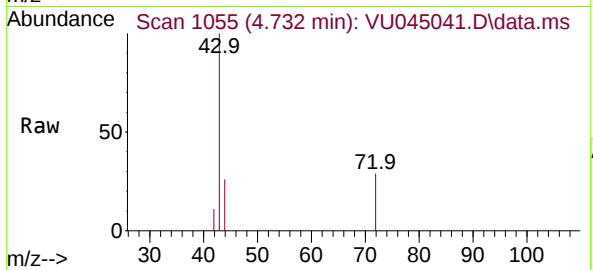




#25
2-Butanone
Concen: 1.359 ug/l
RT: 4.732 min Scan# 1055
Delta R.T. 0.022 min
Lab File: VU045041.D
Acq: 30 Sep 2021 12:55

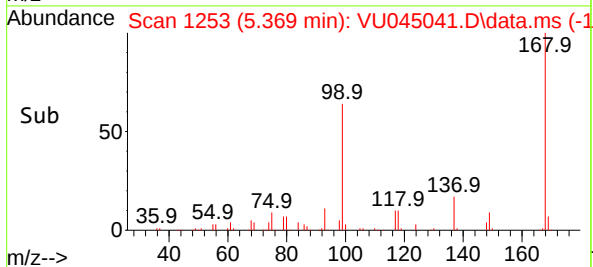
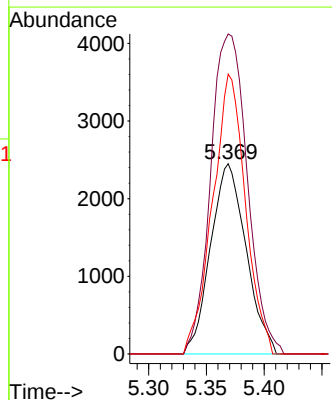
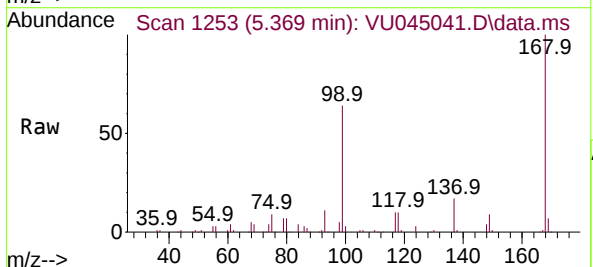
Instrument :
MSVOA_U
ClientSampled :

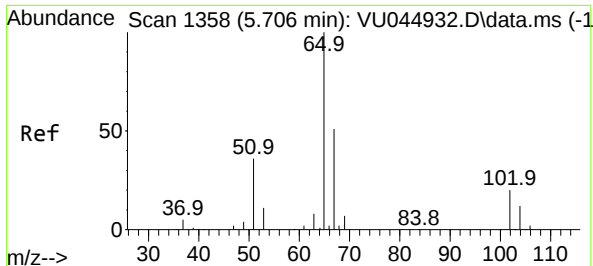
Tgt Ion: 43 Resp: 3982
Ion Ratio Lower Upper
43 100
72 29.3 21.3 31.9



#31
Cyclohexane
Concen: 0.993 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.019 min
Lab File: VU045041.D
Acq: 30 Sep 2021 12:55

Tgt Ion: 56 Resp: 5241
Ion Ratio Lower Upper
56 100
69 168.2 25.2 37.8#
84 147.1 66.4 99.6#



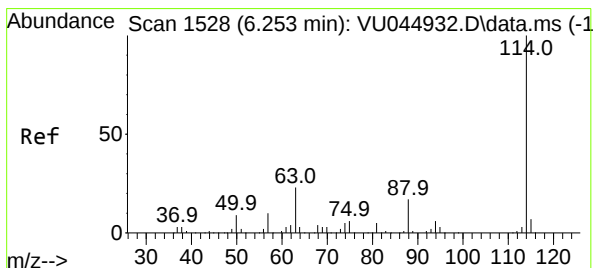
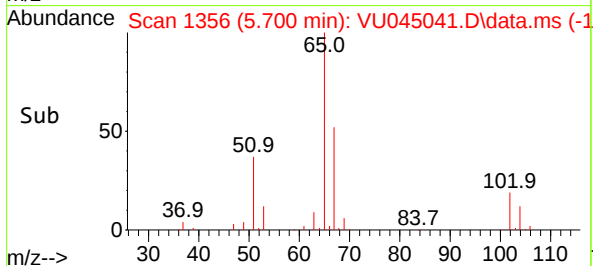
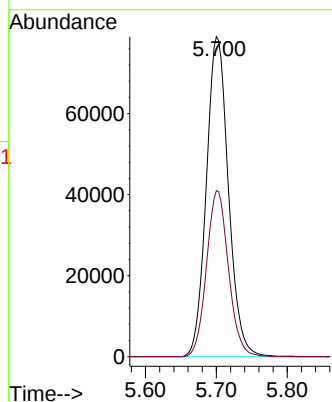
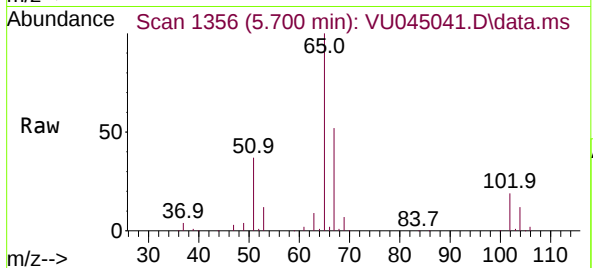


#33

1,2-Dichloroethane-d4
Concen: 49.156 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. -0.006 min
Lab File: VU045041.D
Acq: 30 Sep 2021 12:55

Instrument :
MSVOA_U
ClientSampleId :

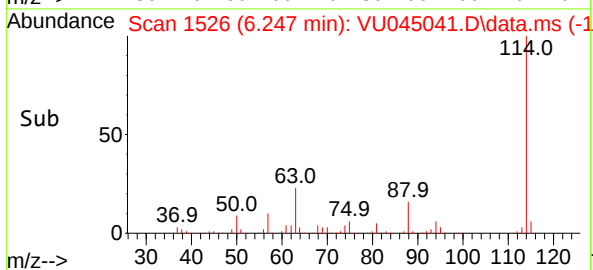
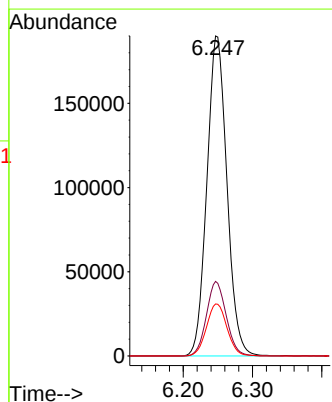
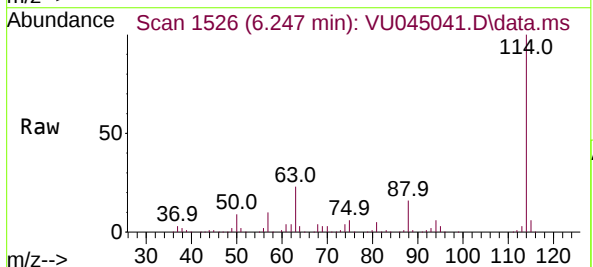
Tgt Ion: 65 Resp: 170805
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.8

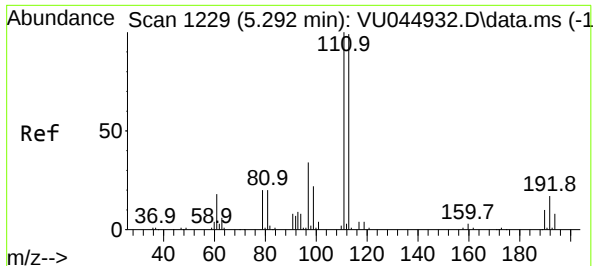


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.247 min Scan# 1526
Delta R.T. -0.006 min
Lab File: VU045041.D
Acq: 30 Sep 2021 12:55

Tgt Ion: 114 Resp: 380808
Ion Ratio Lower Upper
114 100
63 23.3 0.0 47.8
88 16.2 0.0 32.8

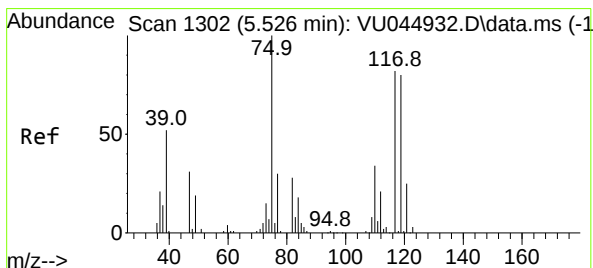
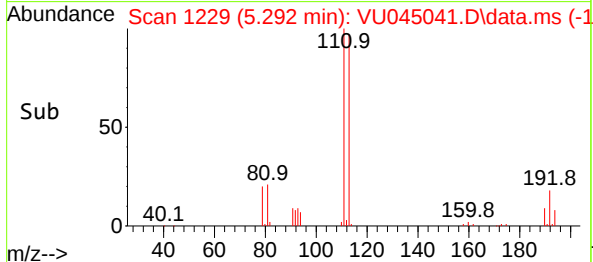
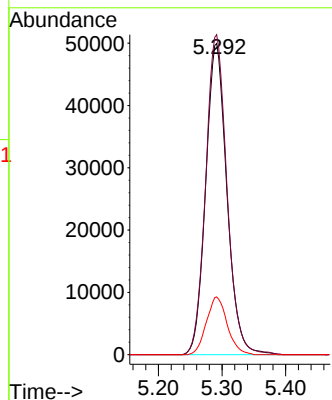
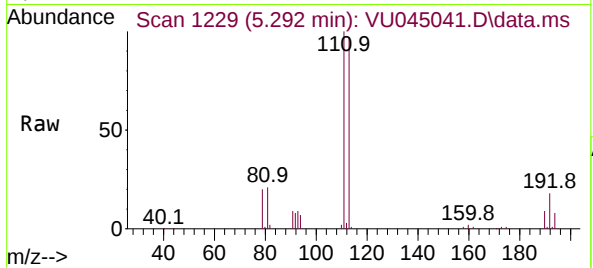




#35
Dibromofluoromethane
Concen: 48.197 ug/l
RT: 5.292 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VU045041.D
Acq: 30 Sep 2021 12:55

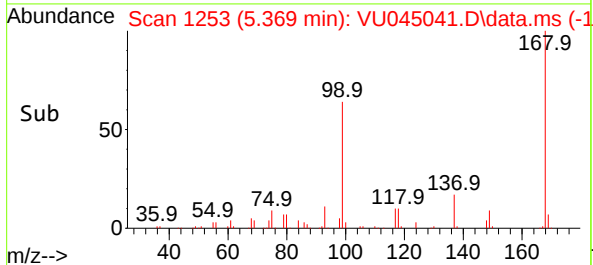
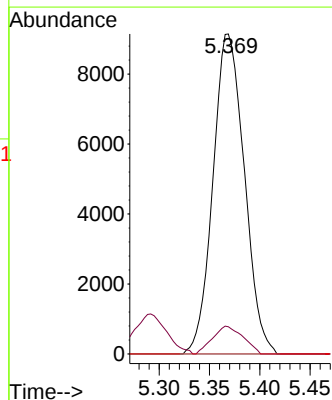
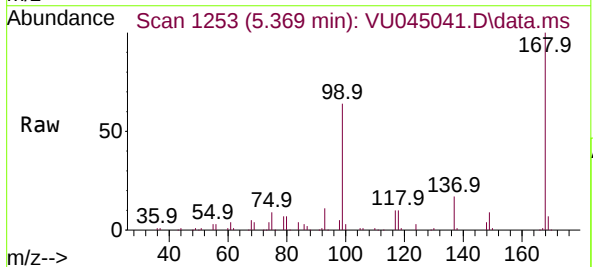
Instrument :
MSVOA_U
ClientSampleId :

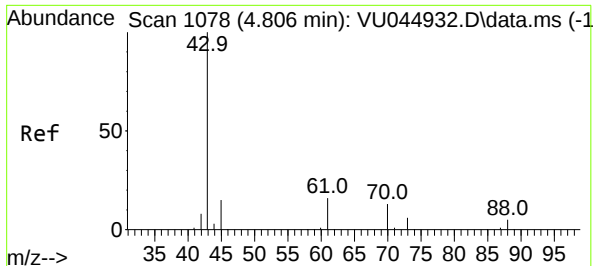
Tgt Ion:113 Resp: 115783
Ion Ratio Lower Upper
113 100
111 102.9 84.1 126.1
192 18.3 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.979 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.157 min
Lab File: VU045041.D
Acq: 30 Sep 2021 12:55

Tgt Ion: 75 Resp: 19829
Ion Ratio Lower Upper
75 100
110 8.5 16.3 48.9#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.756 ug/l

RT: 4.732 min Scan# 1055

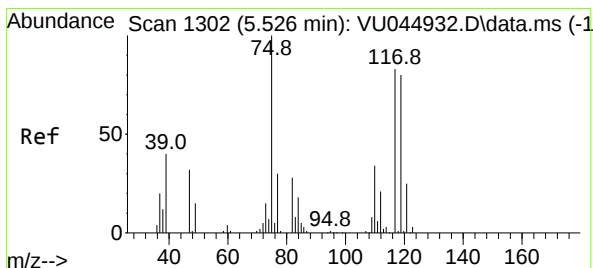
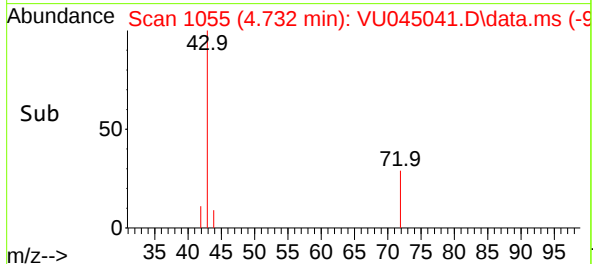
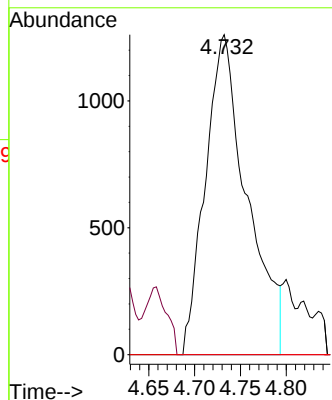
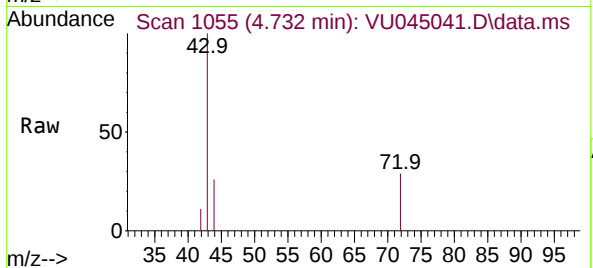
Delta R.T. -0.074 min

Lab File: VU045041.D

Acq: 30 Sep 2021 12:55

Tgt Ion:	43	Resp:	3982
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	0.0	8.2	12.4#

Instrument :
MSVOA_U
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.184 ug/l

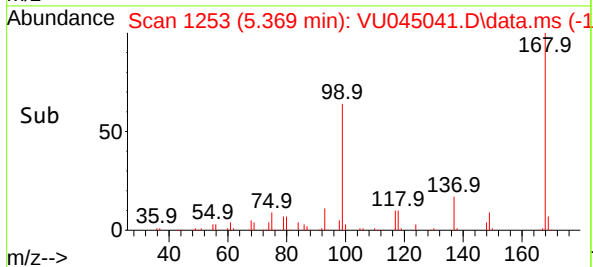
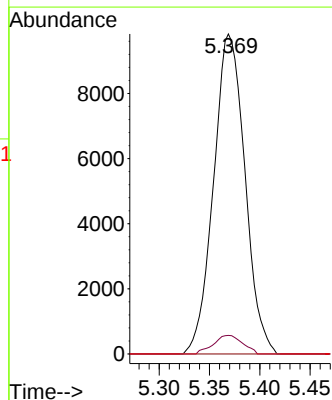
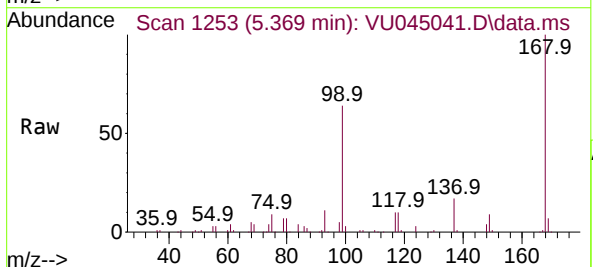
RT: 5.369 min Scan# 1253

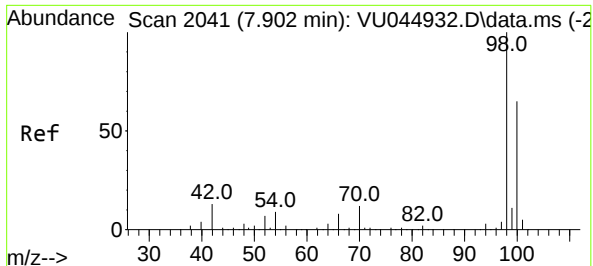
Delta R.T. -0.157 min

Lab File: VU045041.D

Acq: 30 Sep 2021 12:55

Tgt Ion:	117	Resp:	21310
Ion	Ratio	Lower	Upper
117	100		
119	5.8	77.4	116.2#
121	0.0	24.5	36.7#

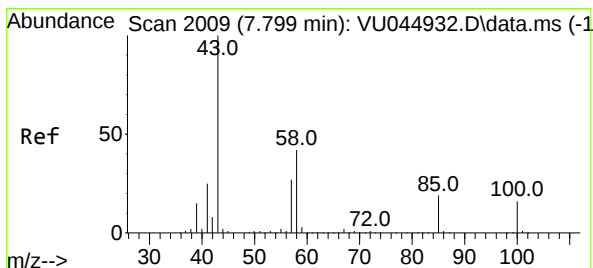
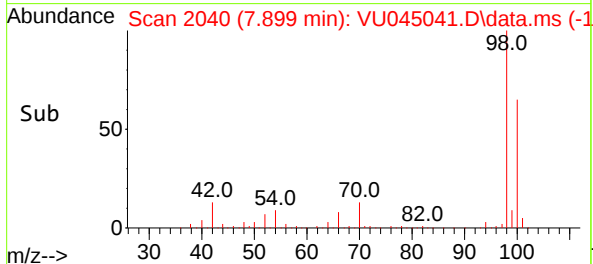
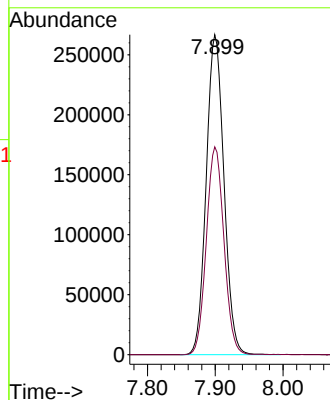
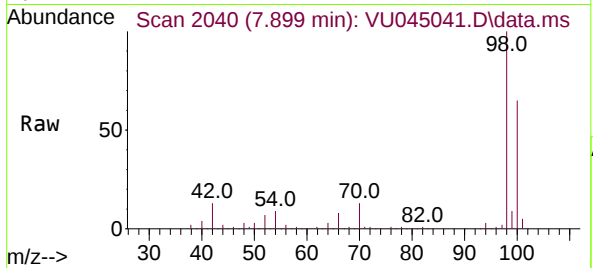




#50
Toluene-d8
Concen: 50.990 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU045041.D
Acq: 30 Sep 2021 12:55

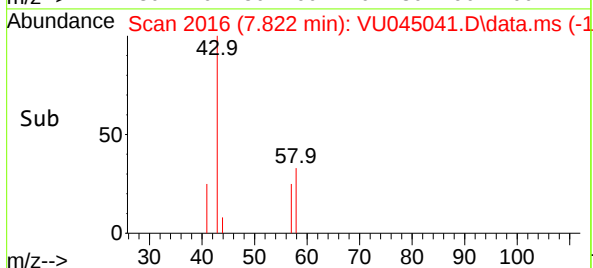
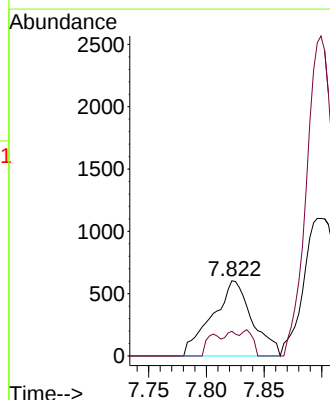
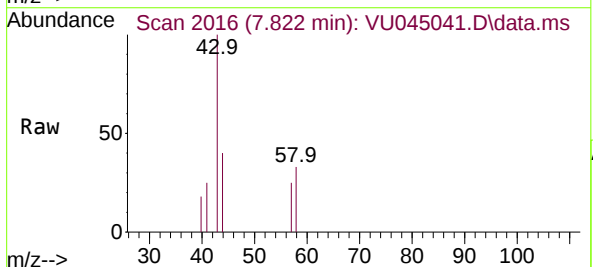
Instrument :
MSVOA_U
ClientSampled :

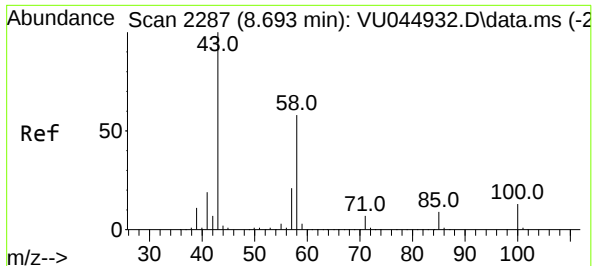
Tgt Ion: 98 Resp: 483980
Ion Ratio Lower Upper
98 100
100 64.7 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.251 ug/l
RT: 7.822 min Scan# 2016
Delta R.T. 0.023 min
Lab File: VU045041.D
Acq: 30 Sep 2021 12:55

Tgt Ion: 43 Resp: 1448
Ion Ratio Lower Upper
43 100
58 10.2 32.4 48.6#





#59

2-Hexanone

Concen: 0.316 ug/l

RT: 8.713 min Scan# 2293

Delta R.T. 0.020 min

Lab File: VU045041.D

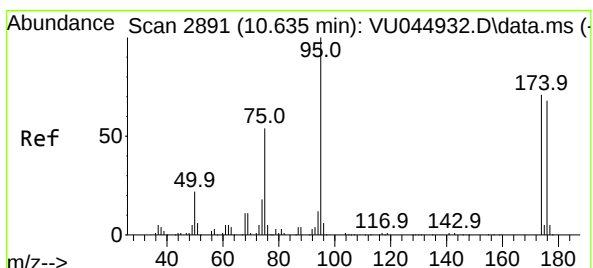
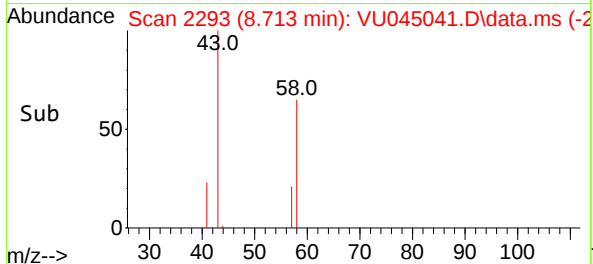
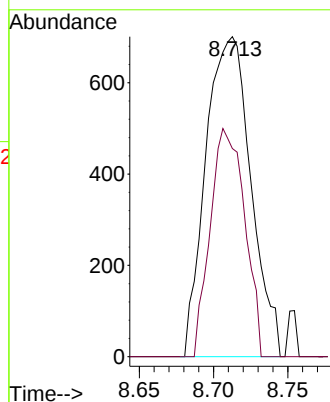
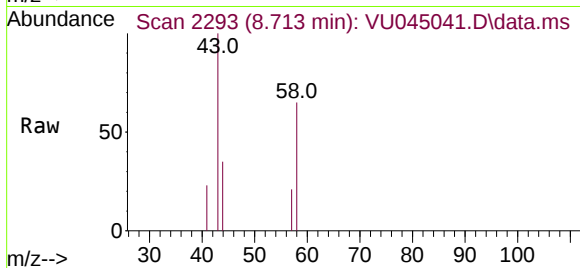
Acq: 30 Sep 2021 12:55

Tgt Ion: 43 Resp: 1483

Ion Ratio Lower Upper

43 100

58 54.3 28.0 84.0



#62

4-Bromofluorobenzene

Concen: 47.842 ug/l

RT: 10.642 min Scan# 2893

Delta R.T. 0.007 min

Lab File: VU045041.D

Acq: 30 Sep 2021 12:55

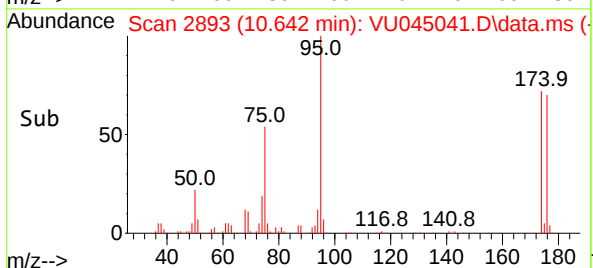
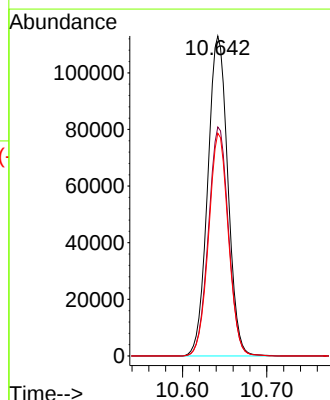
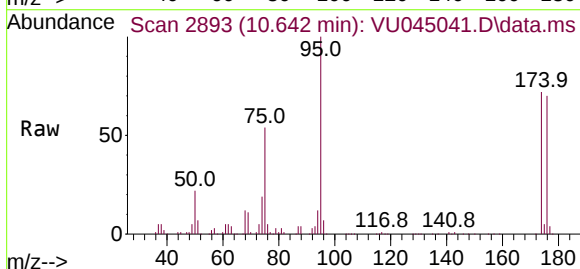
Tgt Ion: 95 Resp: 187479

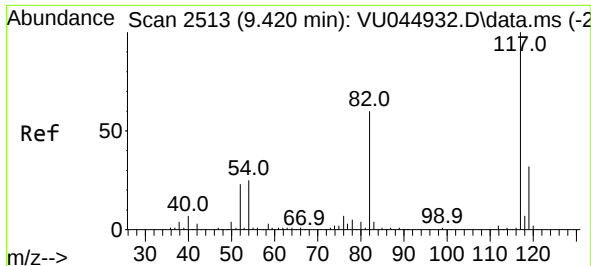
Ion Ratio Lower Upper

95 100

174 71.4 0.0 146.6

176 68.4 0.0 141.2

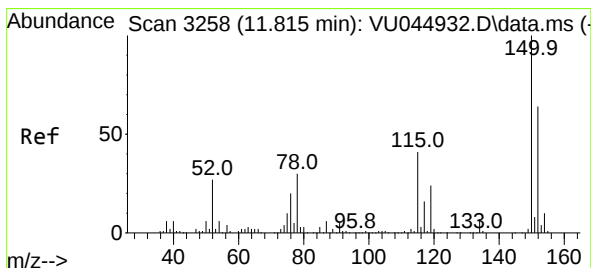
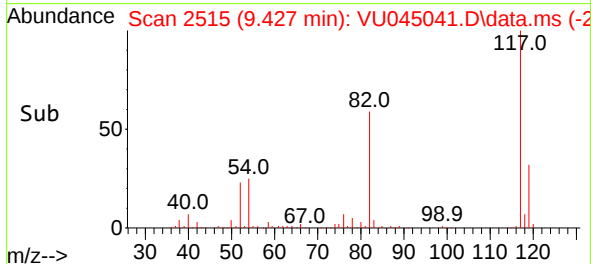
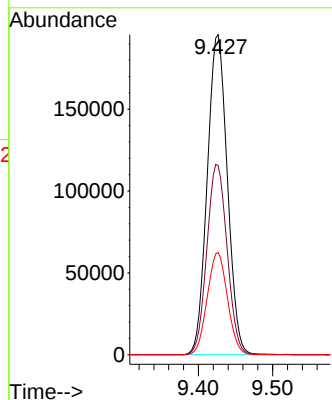
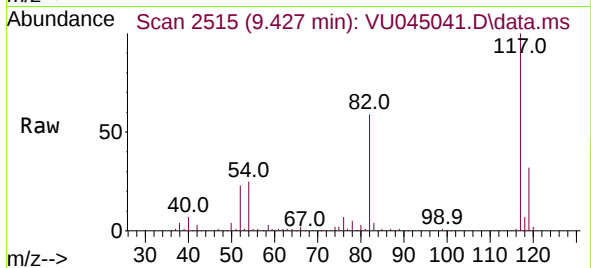




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.427 min Scan# 2515
Delta R.T. 0.007 min
Lab File: VU045041.D
Acq: 30 Sep 2021 12:55

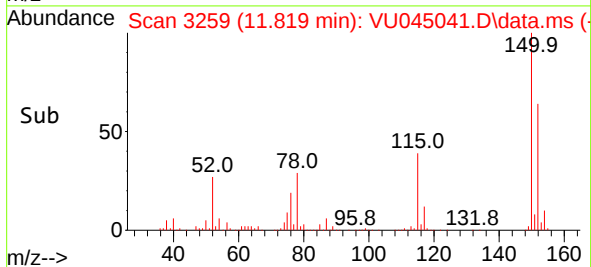
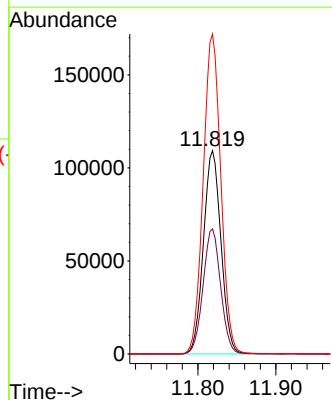
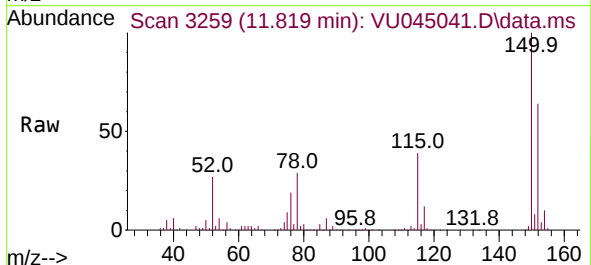
Instrument :
MSVOA_U
ClientSampleId :

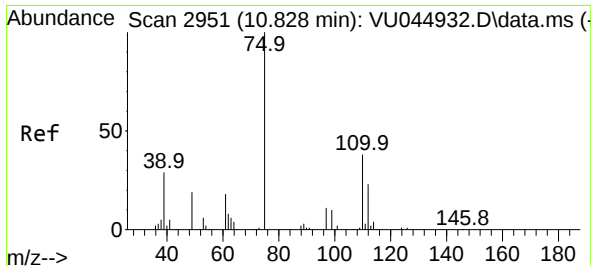
Tgt Ion:117 Resp: 367696
Ion Ratio Lower Upper
117 100
82 59.1 47.8 71.8
119 32.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. 0.004 min
Lab File: VU045041.D
Acq: 30 Sep 2021 12:55

Tgt Ion:152 Resp: 170817
Ion Ratio Lower Upper
152 100
115 61.6 43.5 130.7
150 157.9 0.0 350.0

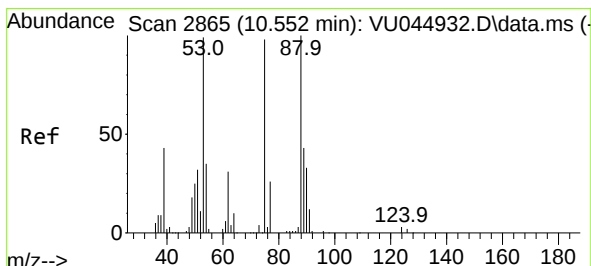
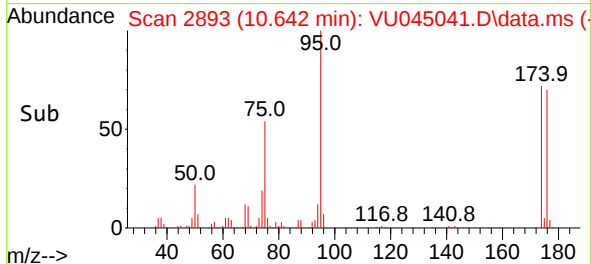
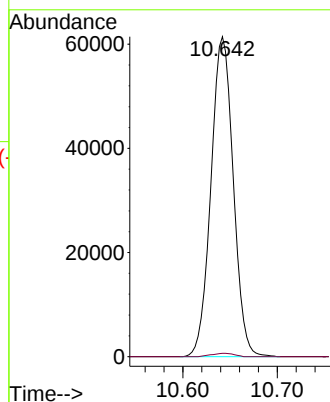
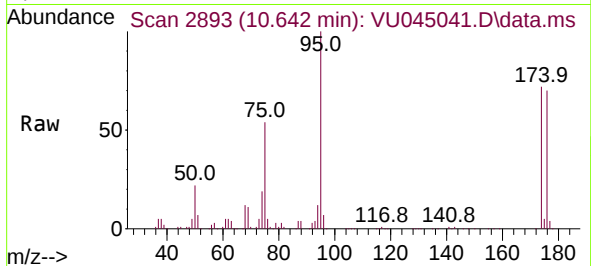




#76
1,2,3-Trichloropropane
Concen: 20.219 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. -0.186 min
Lab File: VU045041.D
Acq: 30 Sep 2021 12:55

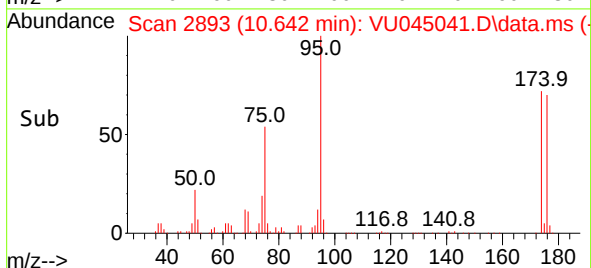
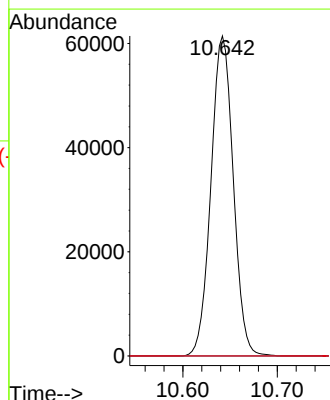
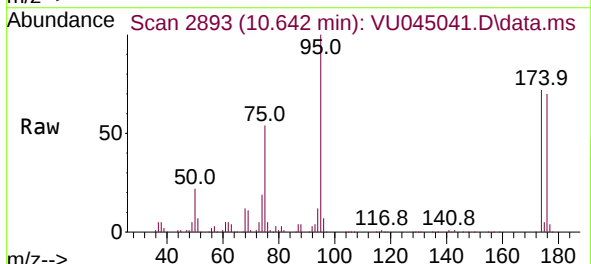
Instrument :
MSVOA_U
ClientSampled :

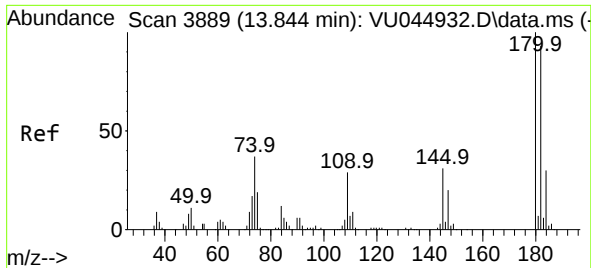
Tgt Ion: 75 Resp: 100739
Ion Ratio Lower Upper
75 100
77 1.1 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.111 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. 0.090 min
Lab File: VU045041.D
Acq: 30 Sep 2021 12:55

Tgt Ion: 75 Resp: 100739
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

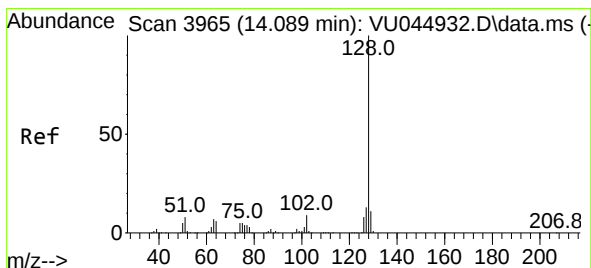
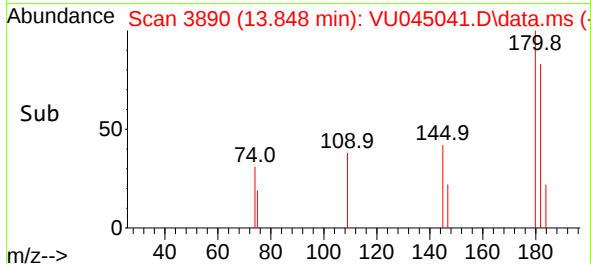
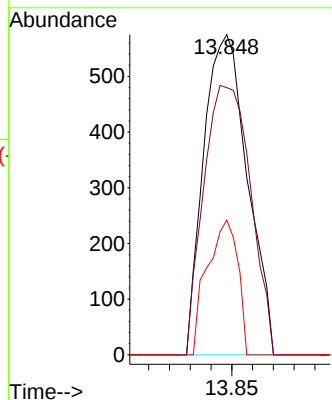
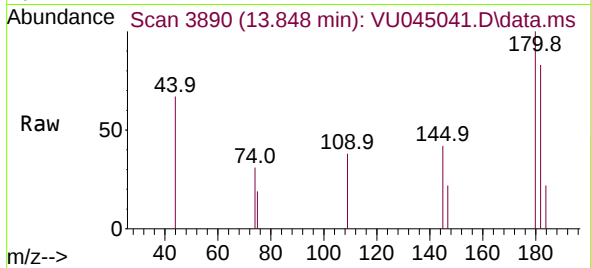




#93
1,2,4-Trichlorobenzene
Concen: 0.251 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. 0.004 min
Lab File: VU045041.D
Acq: 30 Sep 2021 12:55

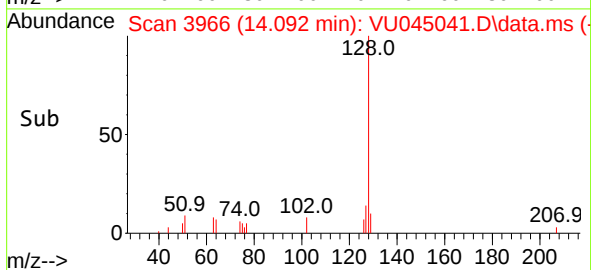
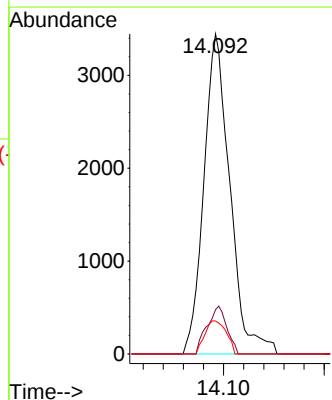
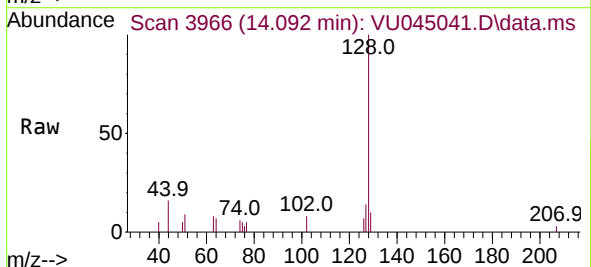
Instrument :
MSVOA_U
ClientSampleId :

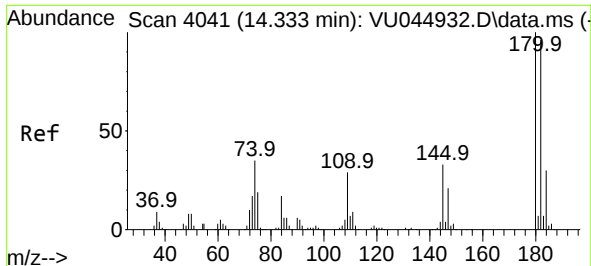
Tgt Ion:180 Resp: 841
Ion Ratio Lower Upper
180 100
182 90.1 47.4 142.3
145 29.5 15.4 46.2



#95
Naphthalene
Concen: 0.491 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU045041.D
Acq: 30 Sep 2021 12:55

Tgt Ion:128 Resp: 6188
Ion Ratio Lower Upper
128 100
127 11.4 10.4 15.6
129 8.5 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.274 ug/l
 RT: 14.333 min Scan# 4041
 Delta R.T. 0.000 min
 Lab File: VU045041.D
 Acq: 30 Sep 2021 12:55

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:180 Resp: 923
 Ion Ratio Lower Upper
 180 100
 182 98.7 47.1 141.4
 145 27.3 16.4 49.2

