

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092921\
 Data File : VU044999.D
 Acq On : 29 Sep 2021 17:38
 Operator : SY/MD
 Sample : M3936-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FB-9-24-21

Quant Time: Sep 30 04:32:59 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)

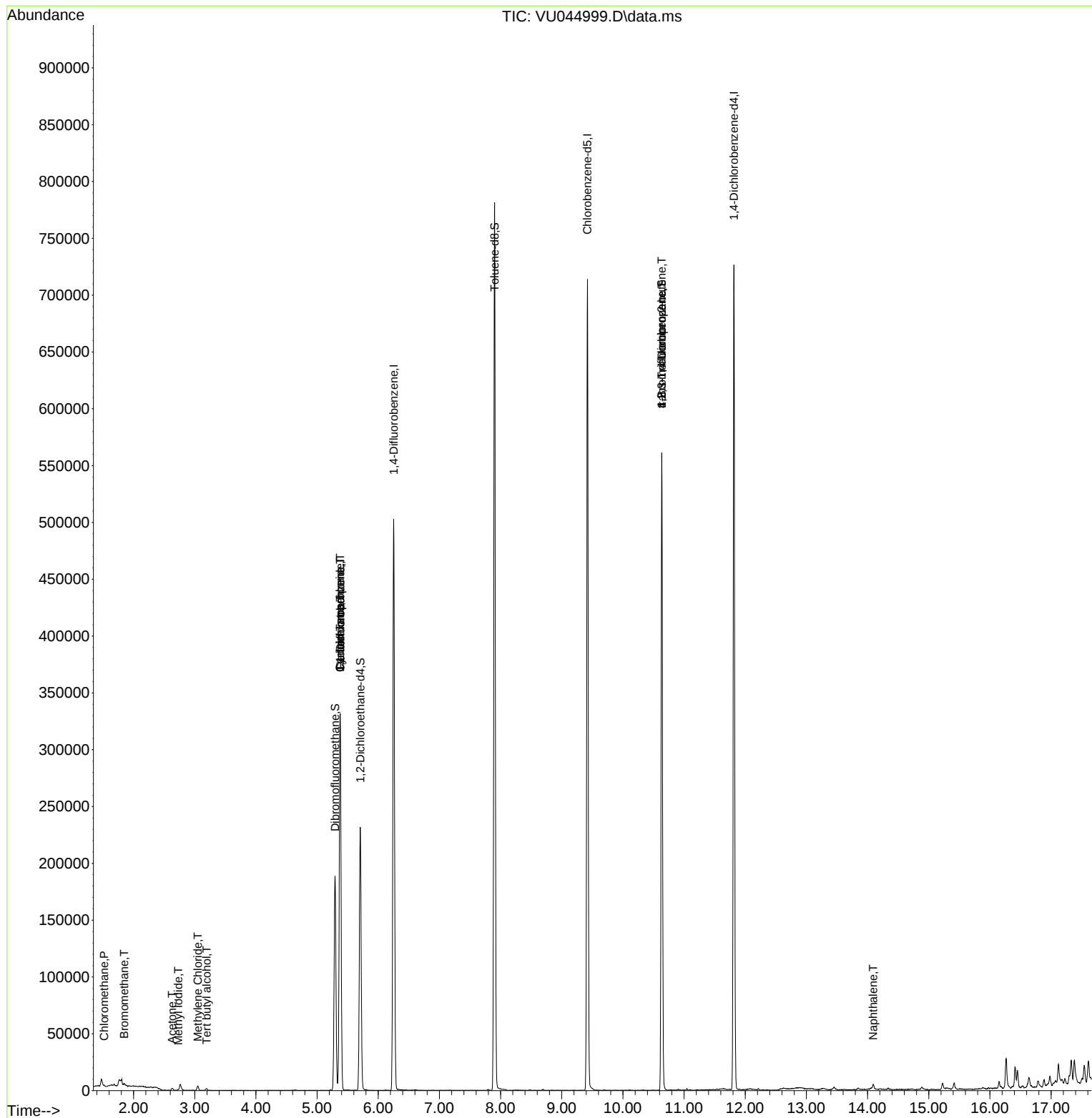
Internal Standards						
1) Pentafluorobenzene	5.379	168	220884	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	392003	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	371053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	172739	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	174558	47.474	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.940%		
35) Dibromofluoromethane	5.295	113	119922	48.495	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.980%		
50) Toluene-d8	7.903	98	497170	50.883	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.760%		
62) 4-Bromofluorobenzene	10.636	95	185796	46.059	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.120%		
Target Compounds						Qvalue
3) Chloromethane	1.520	50	743	0.210	ug/l	97
5) Bromomethane	1.845	94	710	0.512	ug/l	91
10) Methyl Iodide	2.732	142	665	0.235	ug/l #	77
11) Tert butyl alcohol	3.195	59	1008	0.955	ug/l #	72
16) Acetone	2.629	43	2214	1.014	ug/l	93
20) Methylene Chloride	3.051	84	1811	0.551	ug/l	95
31) Cyclohexane	5.375	56	5609	1.004	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	19869	4.847	ug/l #	50
38) Carbon Tetrachloride	5.375	117	22180	6.253	ug/l #	15
76) 1,2,3-Trichloropropane	10.636	75	98766	19.602	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	98766	54.400	ug/l #	9
95) Naphthalene	14.092	128	3268	0.256	ug/l #	94

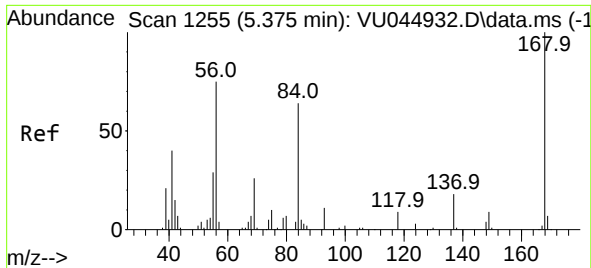
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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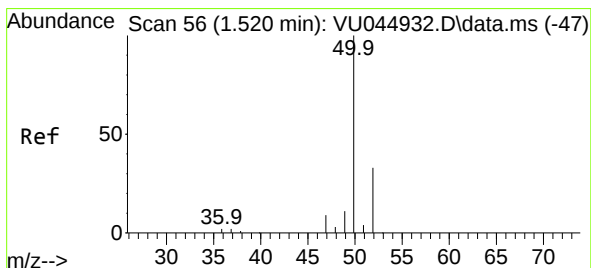
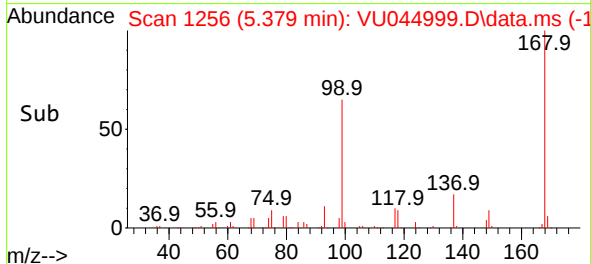
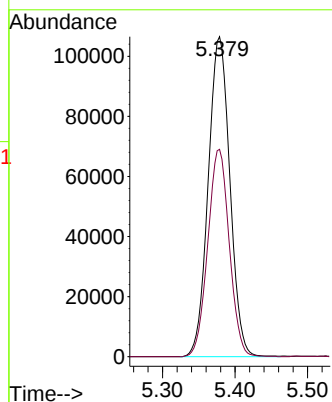
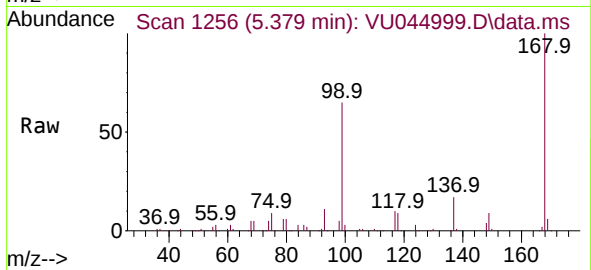




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. 0.004 min
Lab File: VU044999.D
Acq: 29 Sep 2021 17:38

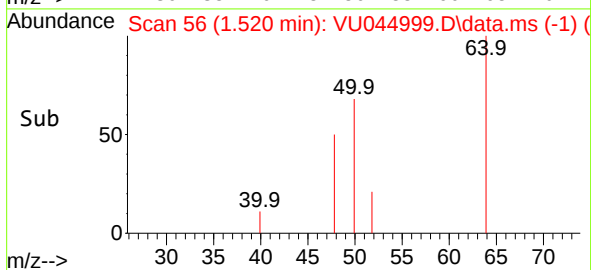
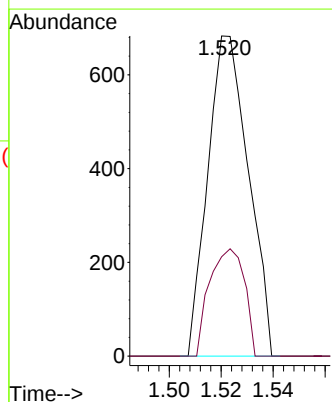
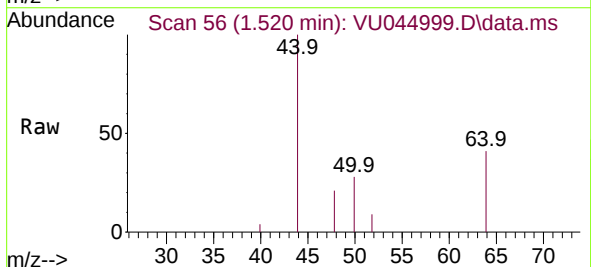
Instrument :
MSVOA_U
ClientSampled :
FB-9-24-21

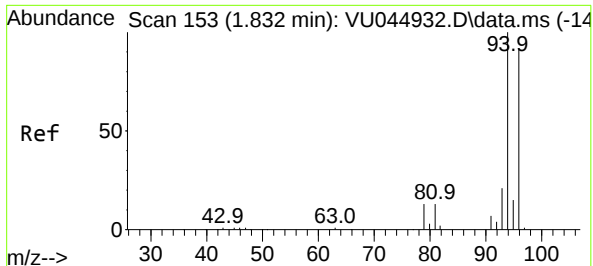
Tgt Ion:168 Resp: 220884
Ion Ratio Lower Upper
168 100
99 64.8 51.4 77.0



#3
Chloromethane
Concen: 0.210 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU044999.D
Acq: 29 Sep 2021 17:38

Tgt Ion: 50 Resp: 743
Ion Ratio Lower Upper
50 100
52 31.0 26.3 39.5





#5

Bromomethane

Concen: 0.512 ug/l

RT: 1.845 min Scan# 157

Delta R.T. 0.013 min

Lab File: VU044999.D

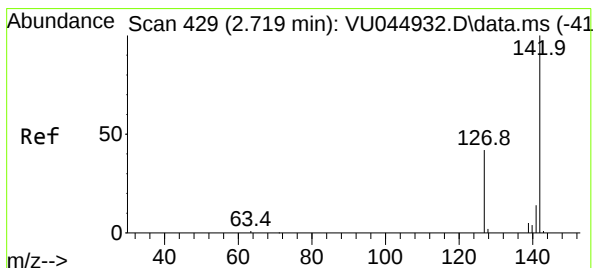
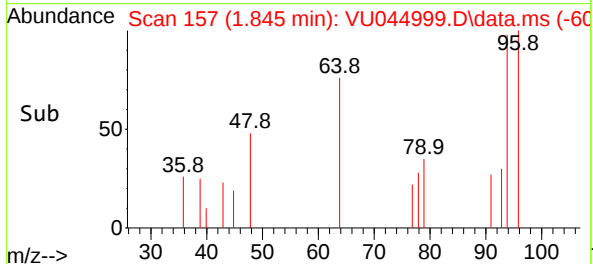
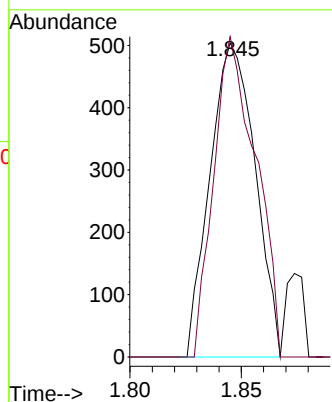
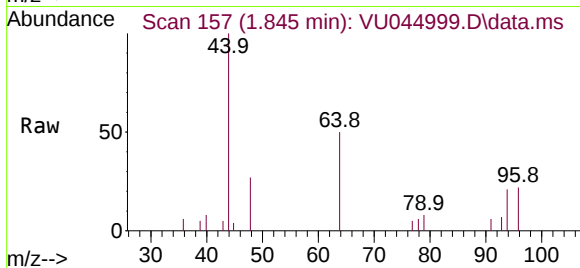
Acq: 29 Sep 2021 17:38

Tgt Ion: 94 Resp: 710

Ion Ratio Lower Upper

94 100

96 102.0 74.5 111.7



#10

Methyl Iodide

Concen: 0.235 ug/l

RT: 2.732 min Scan# 433

Delta R.T. 0.013 min

Lab File: VU044999.D

Acq: 29 Sep 2021 17:38

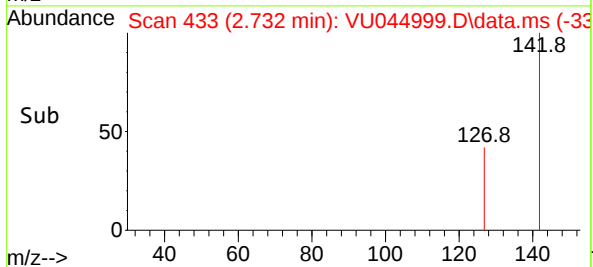
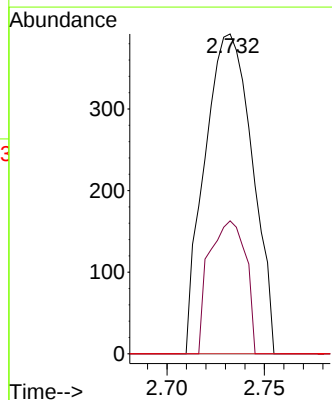
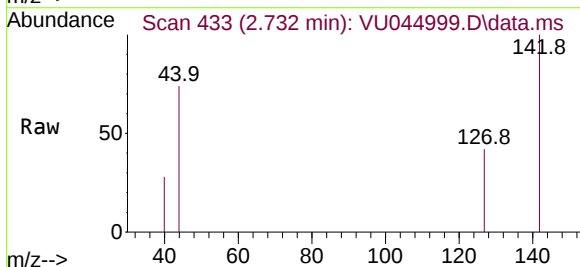
Tgt Ion: 142 Resp: 665

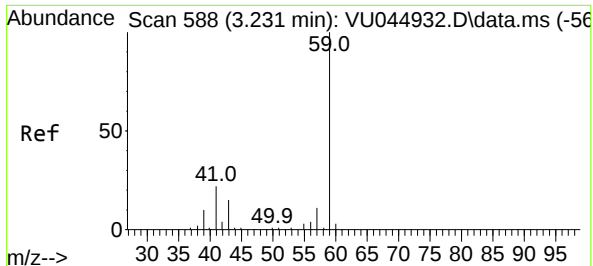
Ion Ratio Lower Upper

142 100

127 31.9 35.6 53.4#

141 0.0 11.3 16.9#



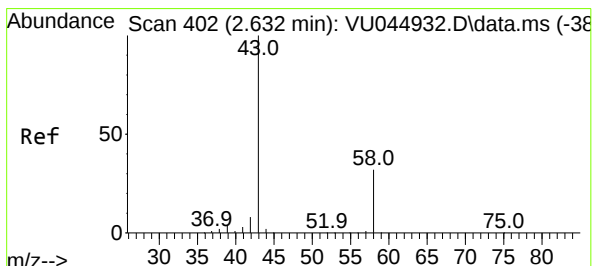
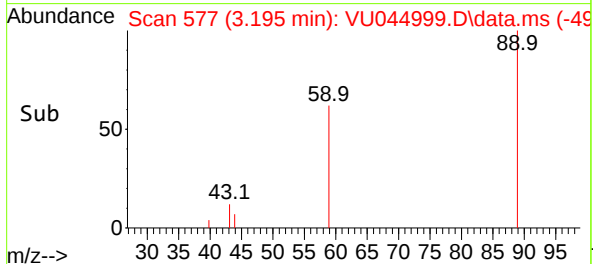
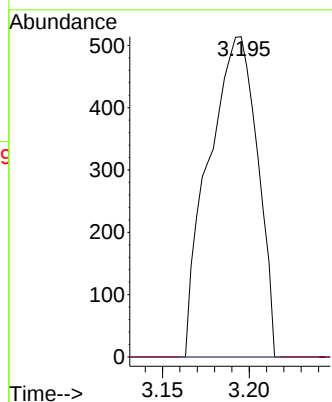
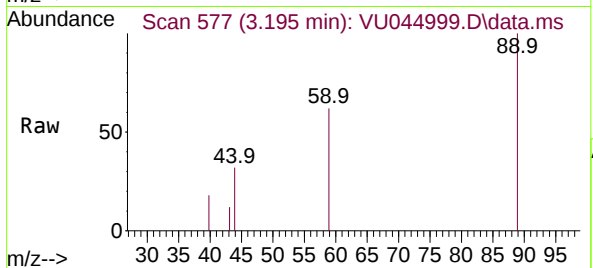


#11

Tert butyl alcohol
Concen: 0.955 ug/l
RT: 3.195 min Scan# 577
Delta R.T. -0.036 min
Lab File: VU044999.D
Acq: 29 Sep 2021 17:38

Instrument :
MSVOA_U
ClientSampled :
FB-9-24-21

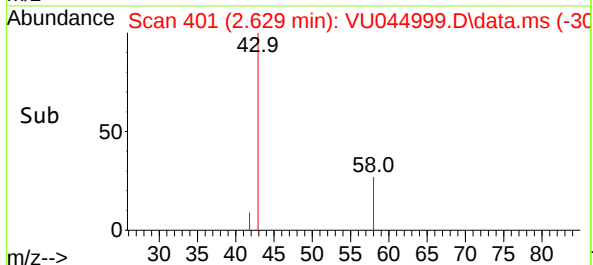
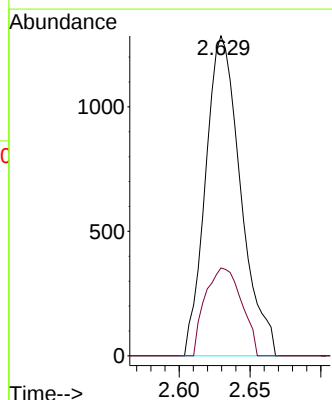
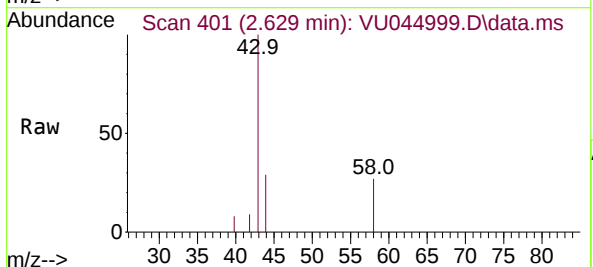
Tgt Ion: 59 Resp: 1008
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

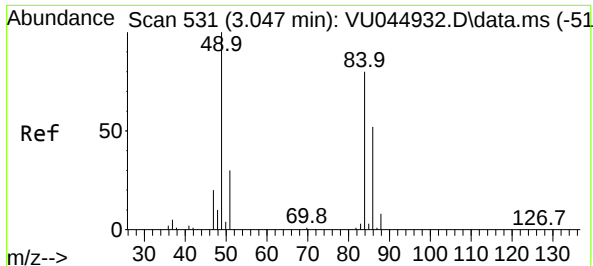


#16

Acetone
Concen: 1.014 ug/l
RT: 2.629 min Scan# 401
Delta R.T. -0.003 min
Lab File: VU044999.D
Acq: 29 Sep 2021 17:38

Tgt Ion: 43 Resp: 2214
Ion Ratio Lower Upper
43 100
58 27.5 25.2 37.8



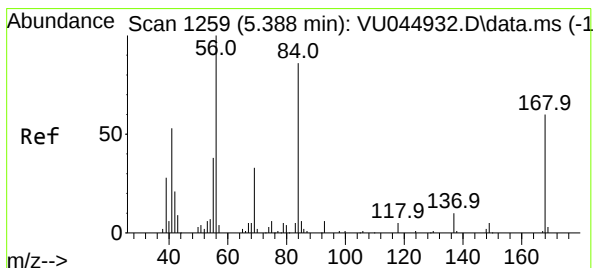
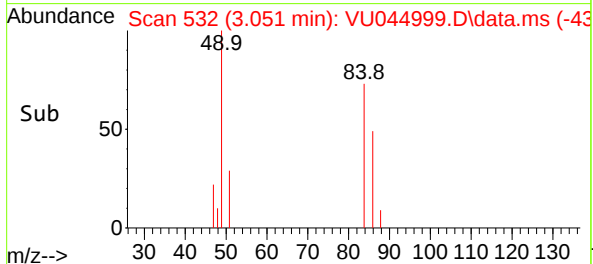
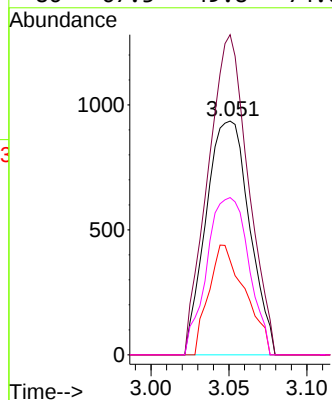
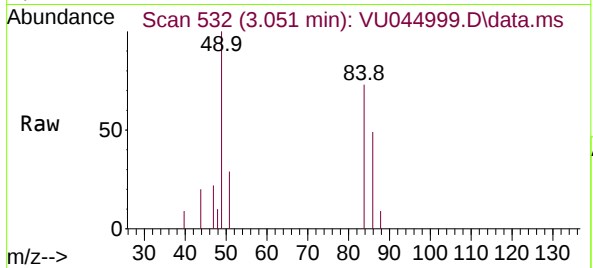


#20
Methylene Chloride
Concen: 0.551 ug/l
RT: 3.051 min Scan# 532
Delta R.T. 0.004 min
Lab File: VU044999.D
Acq: 29 Sep 2021 17:38

Instrument :
MSVOA_U
ClientSampled :
FB-9-24-21

Tgt Ion: 84 Resp: 1811

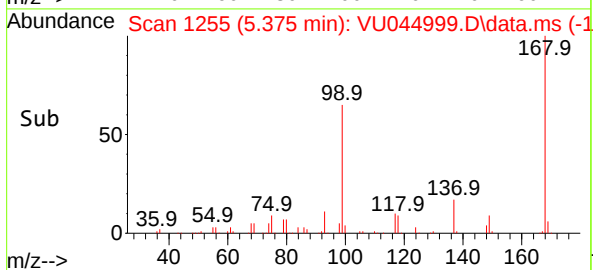
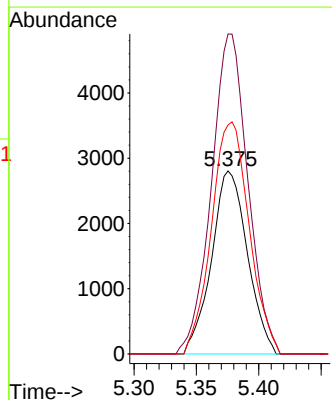
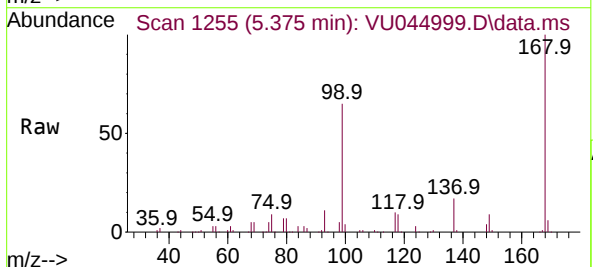
Ion	Ratio	Lower	Upper
84	100		
49	137.0	104.9	157.3
51	40.3	31.8	47.8
86	67.3	49.8	74.6

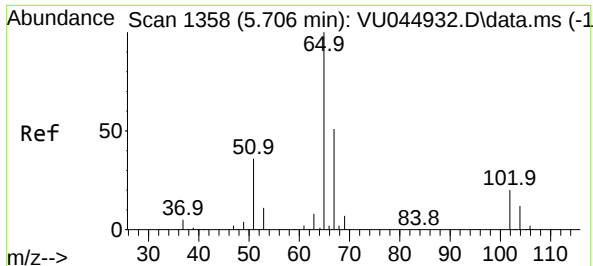


#31
Cyclohexane
Concen: 1.004 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.013 min
Lab File: VU044999.D
Acq: 29 Sep 2021 17:38

Tgt Ion: 56 Resp: 5609

Ion	Ratio	Lower	Upper
56	100		
69	174.9	25.2	37.8#
84	125.1	66.4	99.6#



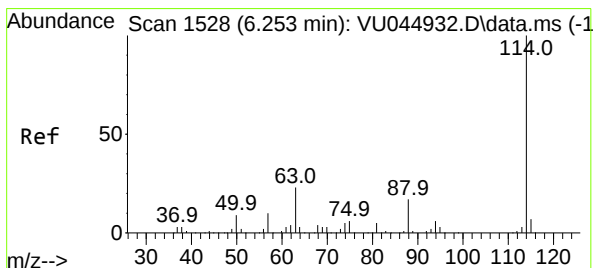
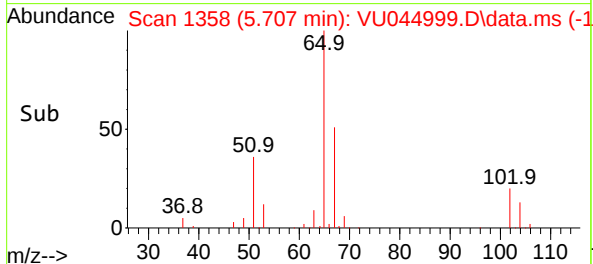
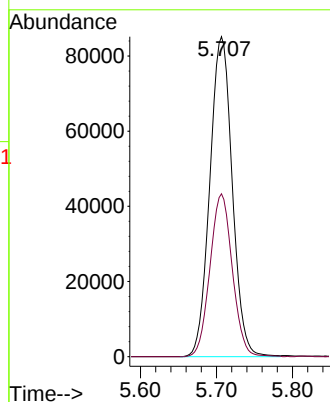
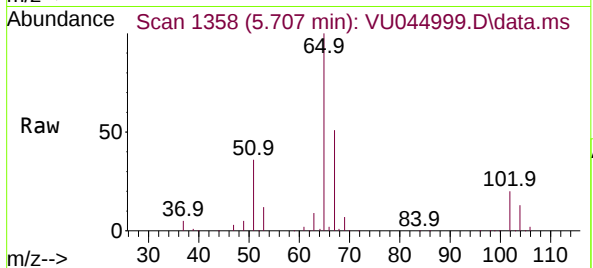


#33

1,2-Dichloroethane-d4
Concen: 47.474 ug/l
RT: 5.707 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VU044999.D
Acq: 29 Sep 2021 17:38

Instrument :
MSVOA_U
ClientSampled :
FB-9-24-21

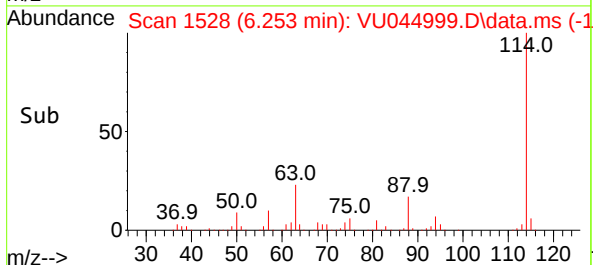
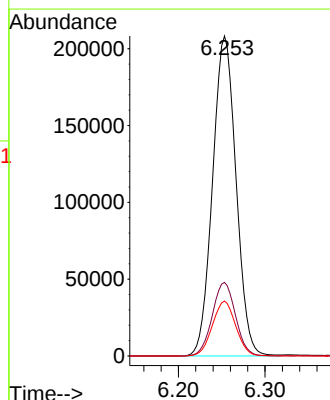
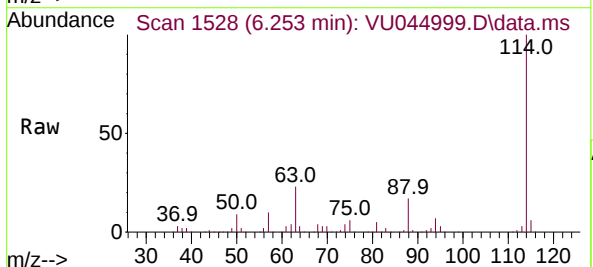
Tgt Ion: 65 Resp: 174558
Ion Ratio Lower Upper
65 100
67 50.6 0.0 104.8

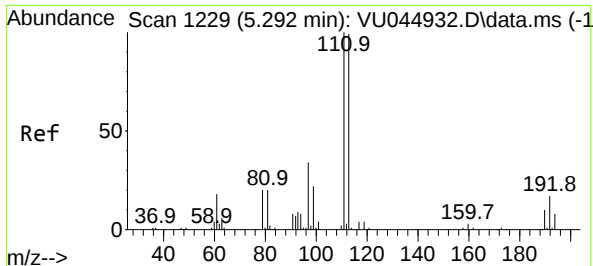


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. 0.000 min
Lab File: VU044999.D
Acq: 29 Sep 2021 17:38

Tgt Ion: 114 Resp: 392003
Ion Ratio Lower Upper
114 100
63 23.0 0.0 47.8
88 17.1 0.0 32.8

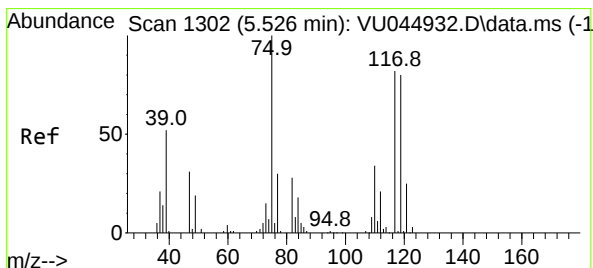
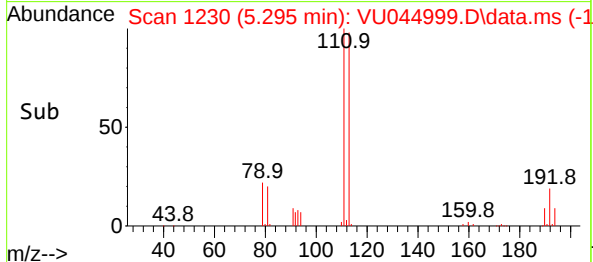
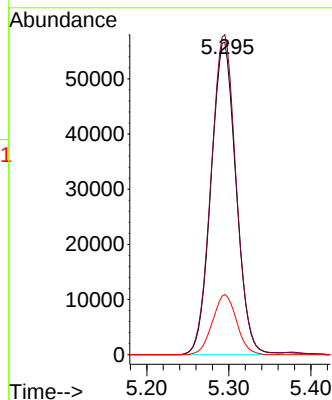
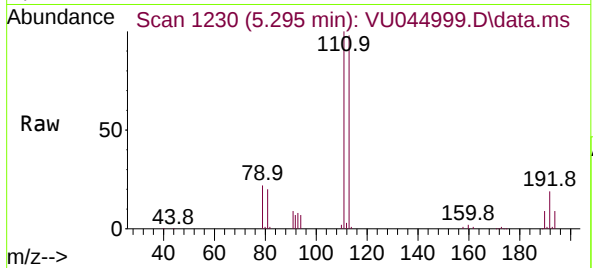




#35
Dibromofluoromethane
Concen: 48.495 ug/l
RT: 5.295 min Scan# 1230
Delta R.T. 0.003 min
Lab File: VU044999.D
Acq: 29 Sep 2021 17:38

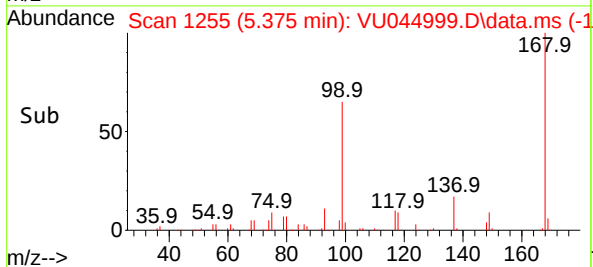
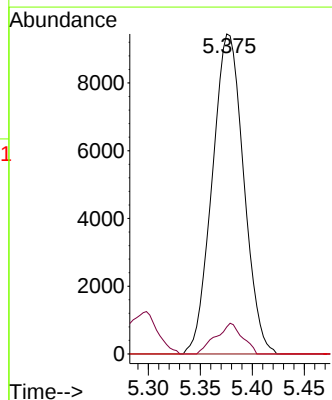
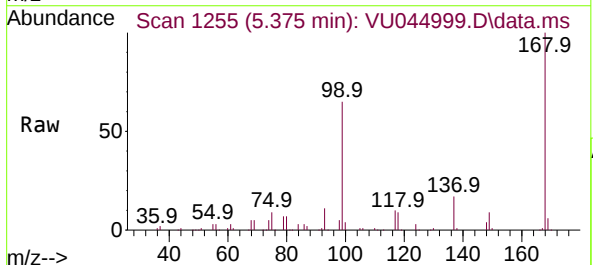
Instrument :
MSVOA_U
ClientSampleId :
FB-9-24-21

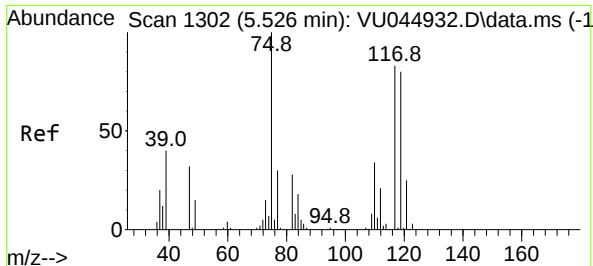
Tgt Ion:113 Resp: 119922
Ion Ratio Lower Upper
113 100
111 103.1 84.1 126.1
192 18.6 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.847 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU044999.D
Acq: 29 Sep 2021 17:38

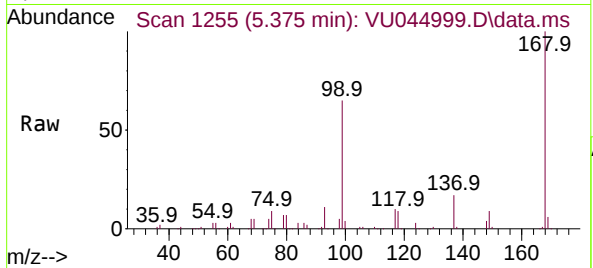
Tgt Ion: 75 Resp: 19869
Ion Ratio Lower Upper
75 100
110 8.1 16.3 48.9#
77 0.0 25.0 37.4#



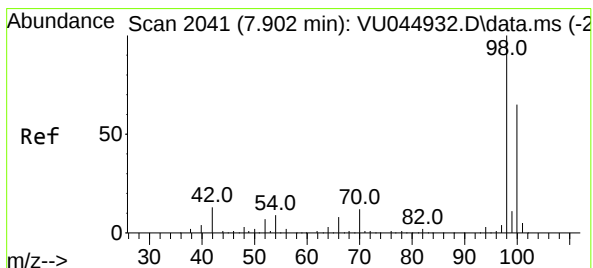
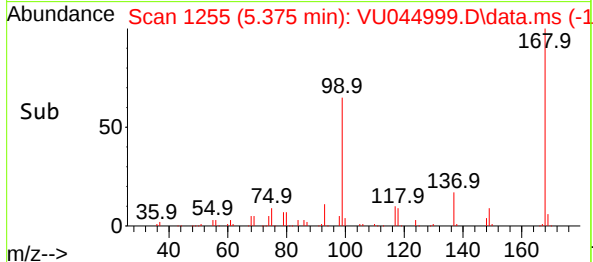
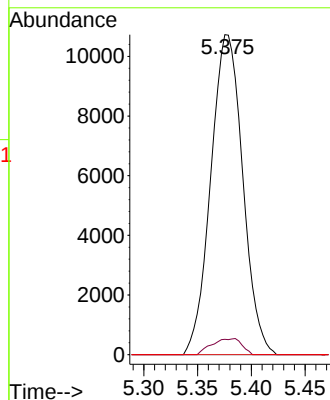


#38
Carbon Tetrachloride
Concen: 6.253 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU044999.D
Acq: 29 Sep 2021 17:38

Instrument :
MSVOA_U
ClientSampled :
FB-9-24-21

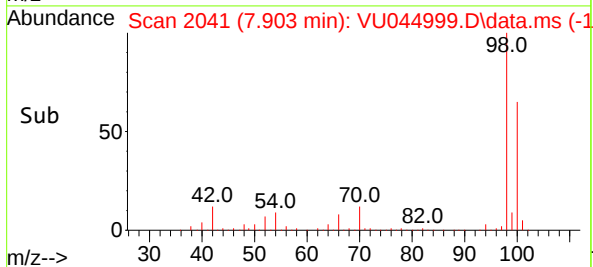
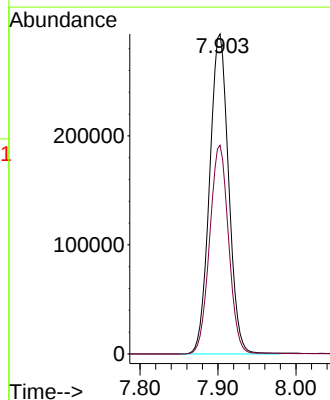
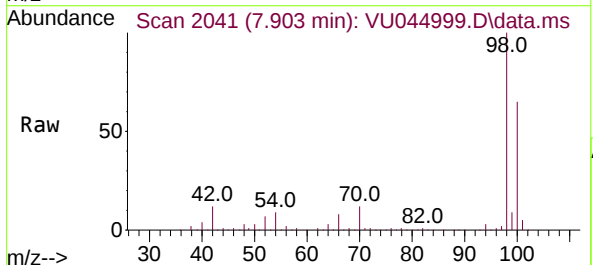


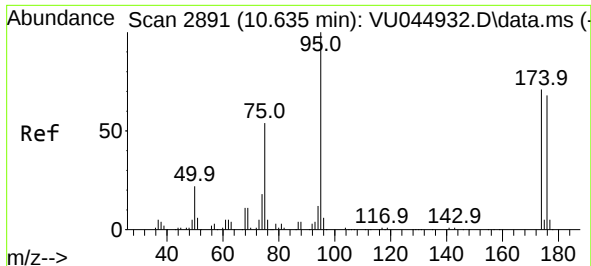
Tgt Ion:117 Resp: 22180
Ion Ratio Lower Upper
117 100
119 4.8 77.4 116.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 50.883 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.001 min
Lab File: VU044999.D
Acq: 29 Sep 2021 17:38

Tgt Ion: 98 Resp: 497170
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7

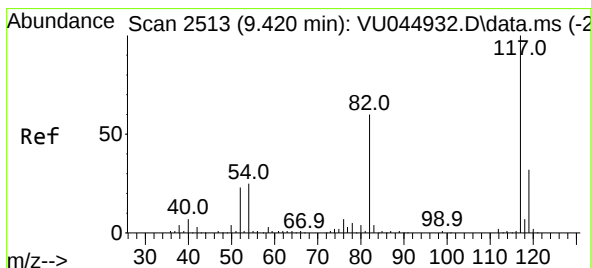
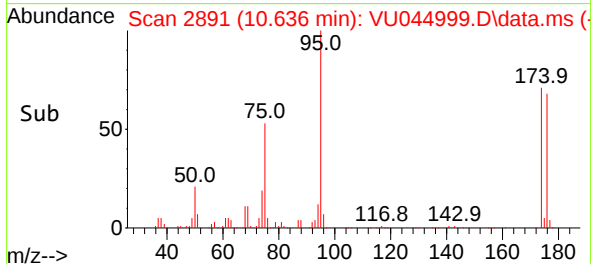
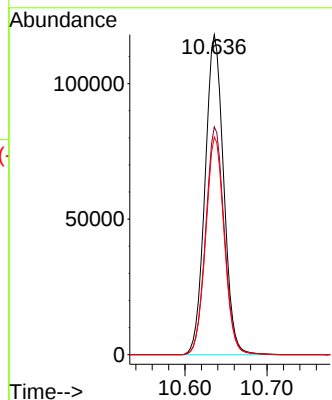
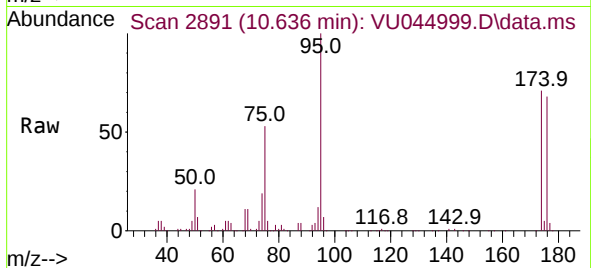




#62
4-Bromofluorobenzene
Concen: 46.059 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.001 min
Lab File: VU044999.D
Acq: 29 Sep 2021 17:38

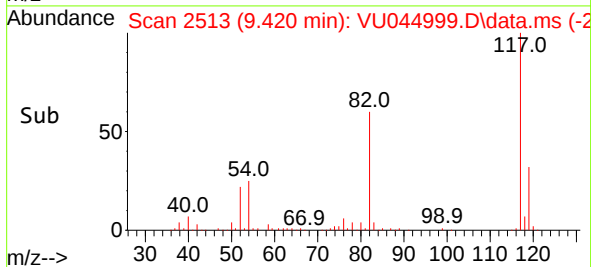
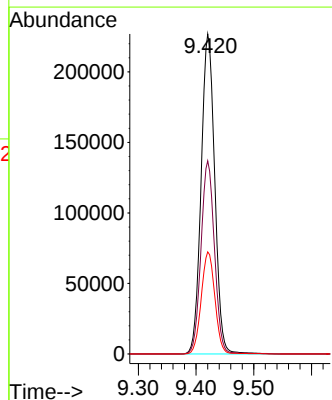
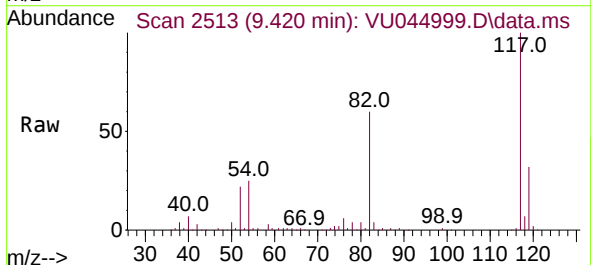
Instrument :
MSVOA_U
ClientSampleId :
FB-9-24-21

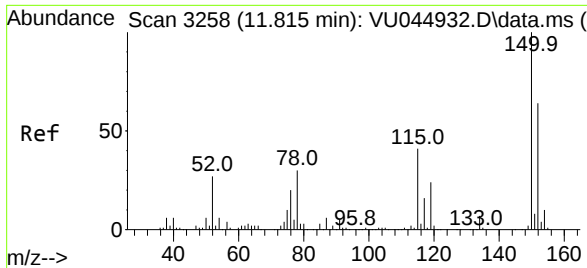
Tgt Ion: 95 Resp: 185796
Ion Ratio Lower Upper
95 100
174 71.3 0.0 146.6
176 68.0 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU044999.D
Acq: 29 Sep 2021 17:38

Tgt Ion: 117 Resp: 371053
Ion Ratio Lower Upper
117 100
82 60.3 47.8 71.8
119 31.9 25.8 38.6

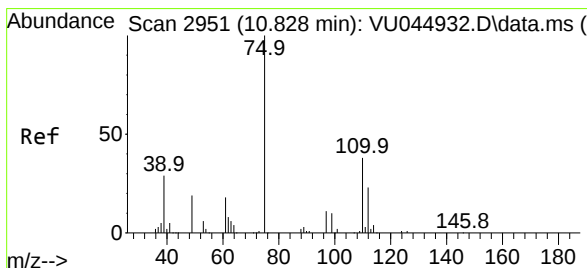
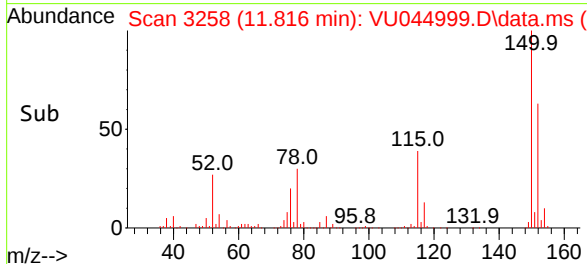
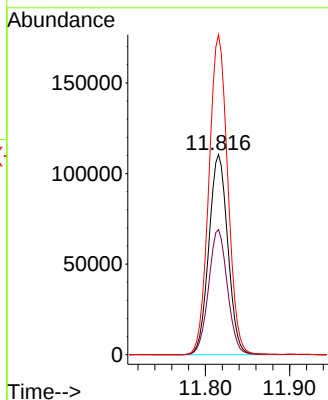
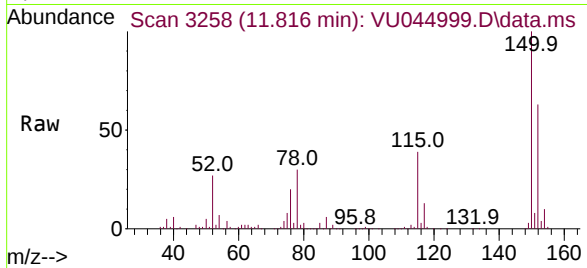




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.816 min Scan# 3258
 Delta R.T. 0.001 min
 Lab File: VU044999.D
 Acq: 29 Sep 2021 17:38

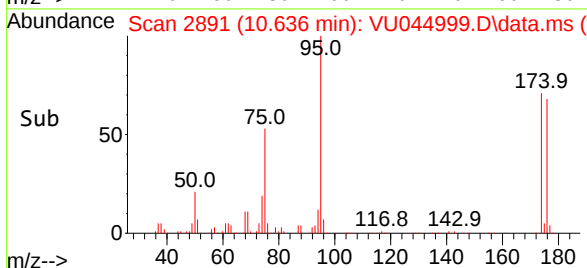
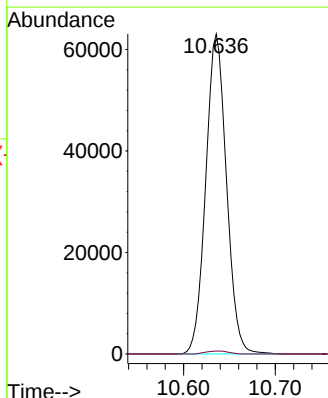
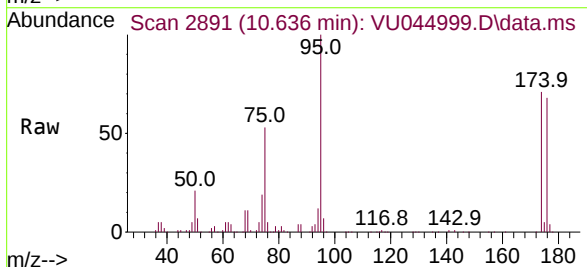
Instrument :
 MSVOA_U
 ClientSampled :
 FB-9-24-21

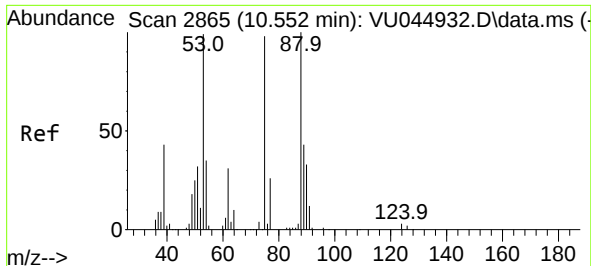
Tgt Ion:152 Resp: 172739
 Ion Ratio Lower Upper
 152 100
 115 62.3 43.5 130.7
 150 158.9 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 19.602 ug/l
 RT: 10.636 min Scan# 2891
 Delta R.T. -0.192 min
 Lab File: VU044999.D
 Acq: 29 Sep 2021 17:38

Tgt Ion: 75 Resp: 98766
 Ion Ratio Lower Upper
 75 100
 77 1.0 17.9 53.7#

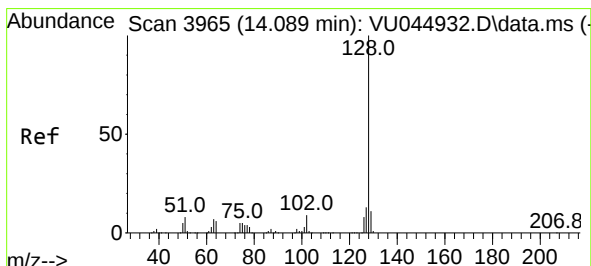
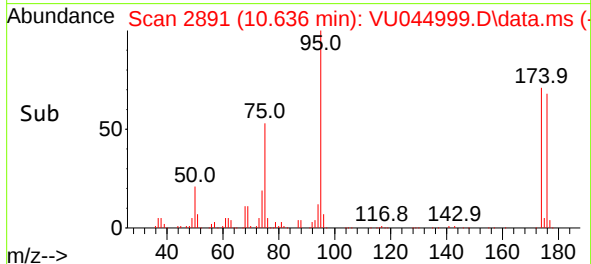
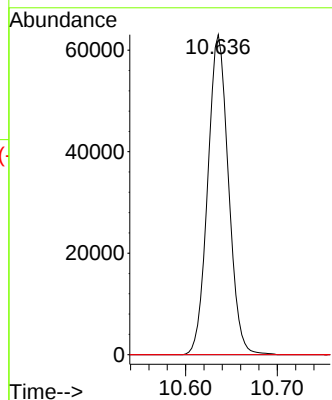
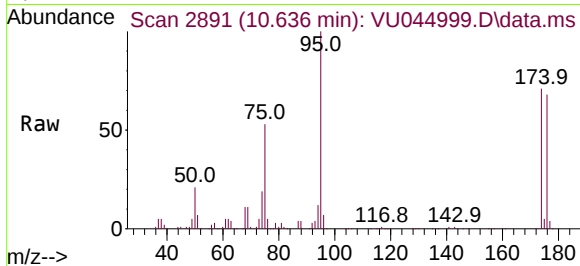




#81
trans-1,4-Dichloro-2-butene
Concen: 54.400 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU044999.D
Acq: 29 Sep 2021 17:38

Instrument :
MSVOA_U
ClientSampled :
FB-9-24-21

Tgt Ion: 75 Resp: 98766
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#



#95
Naphthalene
Concen: 0.256 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU044999.D
Acq: 29 Sep 2021 17:38

Tgt Ion:128 Resp: 3268
Ion Ratio Lower Upper
128 100
127 11.8 10.4 15.6
129 14.4 8.6 13.0#

