

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100121\
 Data File : VU045082.D
 Acq On : 01 Oct 2021 18:46
 Operator : SY/MD
 Sample : M4020-18
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 02 03:13:33 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)

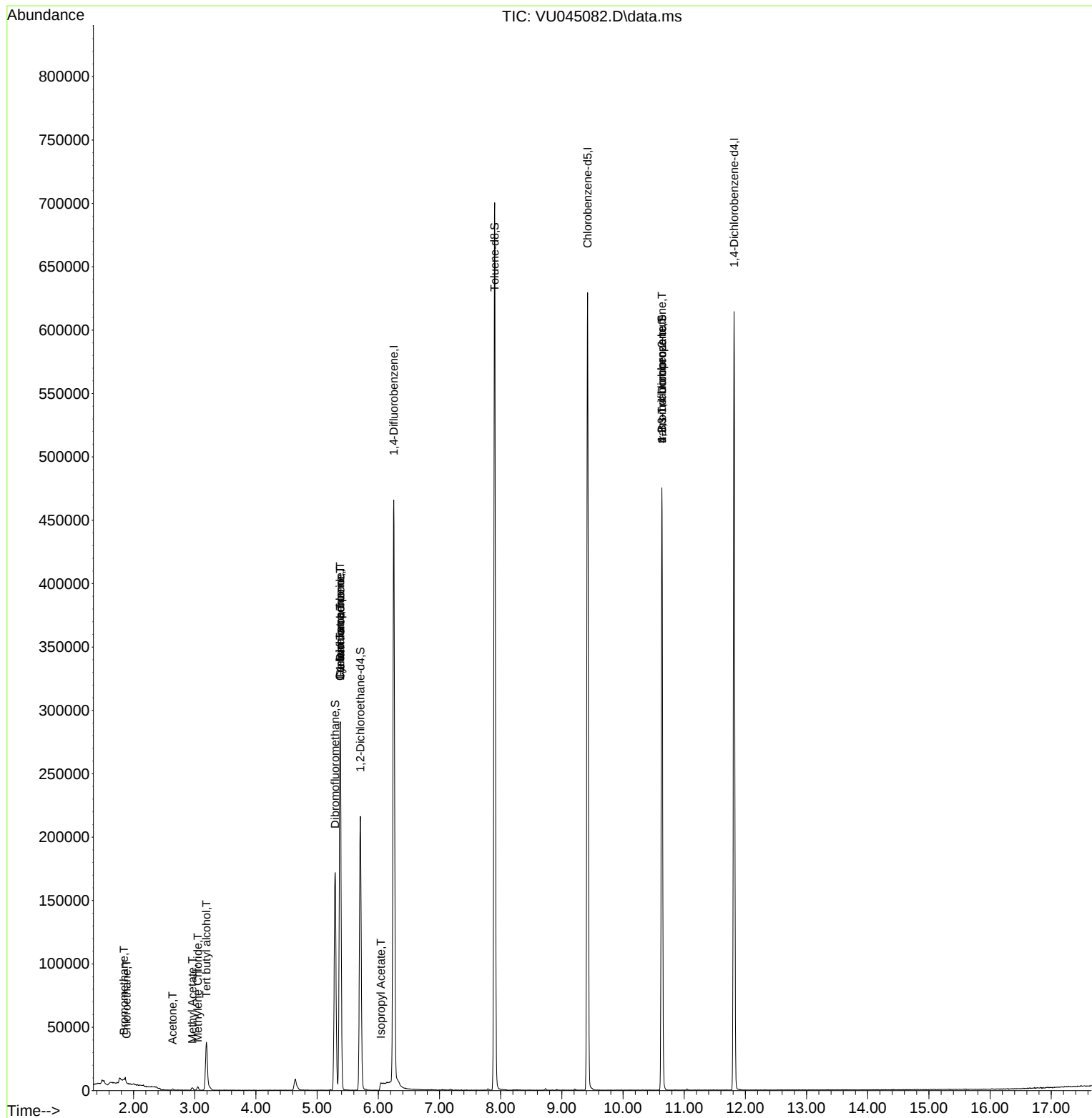
Internal Standards						
1) Pentafluorobenzene	5.378	168	190826	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	355516	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	323325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	146535	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	161326	50.787	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.580%
35) Dibromofluoromethane	5.295	113	111022	49.503	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.000%
50) Toluene-d8	7.902	98	442987	49.991	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.980%
62) 4-Bromofluorobenzene	10.636	95	156128	42.676	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.360%
Target Compounds						
					Qvalue	
5) Bromomethane	1.842	94	297	0.248	ug/l #	73
6) Chloroethane	1.887	64	1389	0.592	ug/l #	42
11) Tert butyl alcohol	3.192	59	25055	27.482	ug/l #	75
16) Acetone	2.639	43	1054	0.559	ug/l #	79
18) Methyl Acetate	2.961	43	3310	0.601	ug/l #	88
20) Methylene Chloride	3.047	84	1341	0.472	ug/l	91
31) Cyclohexane	5.375	56	4862	1.008	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	18011	4.844	ug/l #	50
38) Carbon Tetrachloride	5.375	117	20312	6.314	ug/l #	15
43) Isopropyl Acetate	6.041	43	3406	0.460	ug/l #	61
76) 1,2,3-Trichloropropane	10.636	75	84637	19.802	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	84637	54.954	ug/l #	9

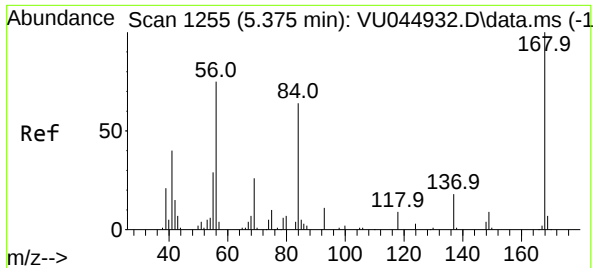
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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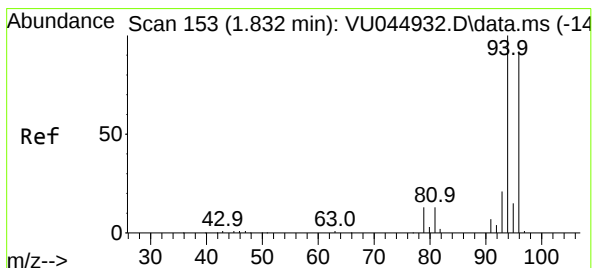
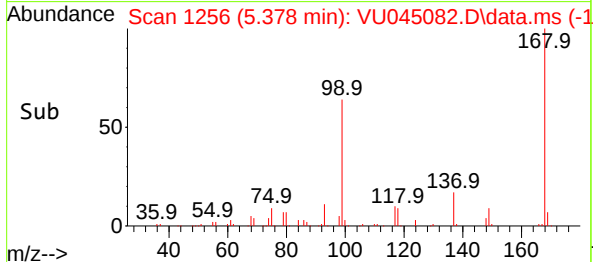
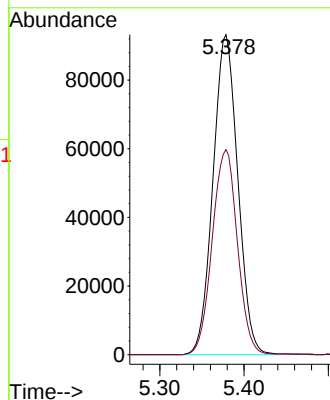
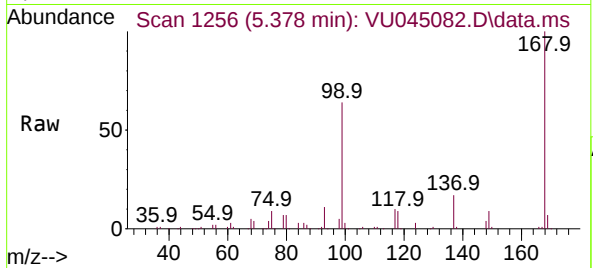




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. 0.003 min
Lab File: VU045082.D
Acq: 01 Oct 2021 18:46

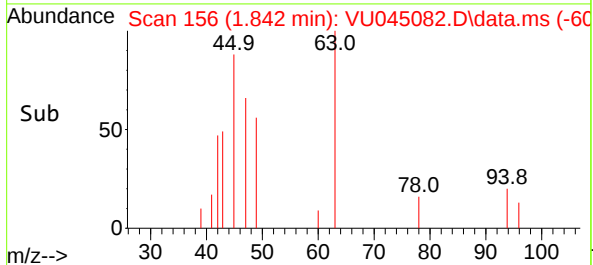
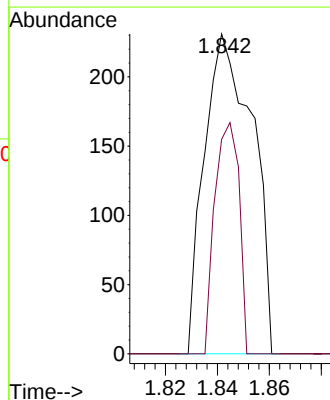
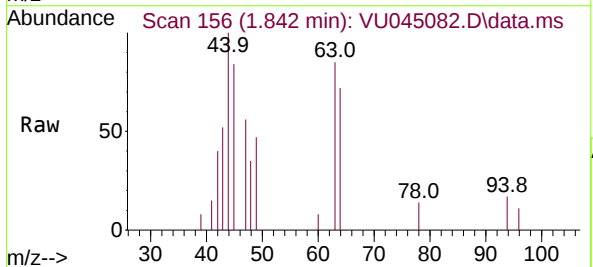
Instrument :
MSVOA_U
ClientSampled :

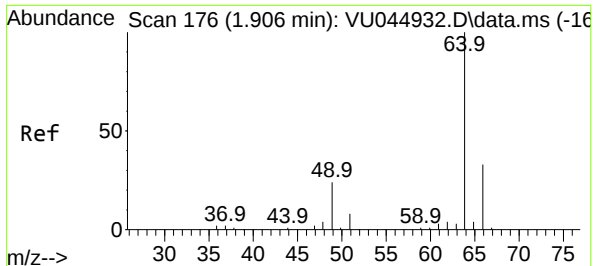
Tgt Ion:168 Resp: 190826
Ion Ratio Lower Upper
168 100
99 64.1 51.4 77.0



#5
Bromomethane
Concen: 0.248 ug/l
RT: 1.842 min Scan# 156
Delta R.T. 0.010 min
Lab File: VU045082.D
Acq: 01 Oct 2021 18:46

Tgt Ion: 94 Resp: 297
Ion Ratio Lower Upper
94 100
96 67.1 74.5 111.7#

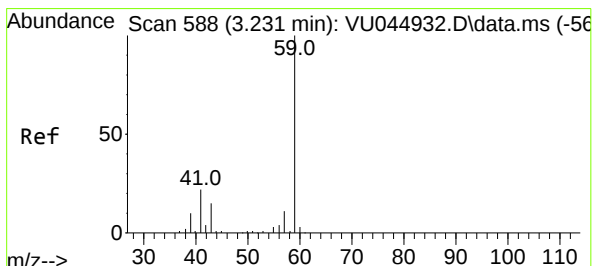
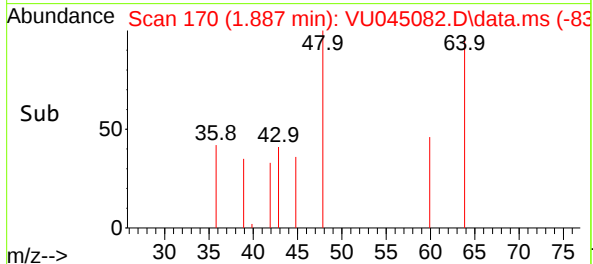
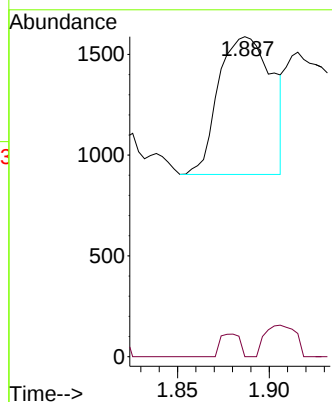
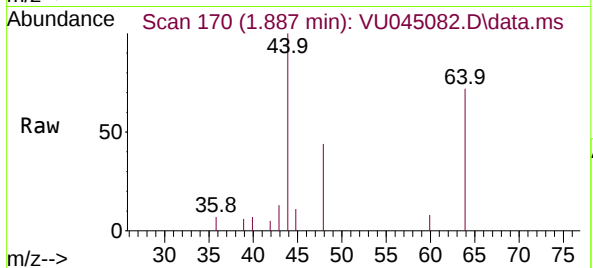




#6
Chloroethane
Concen: 0.592 ug/l
RT: 1.887 min Scan# 170
Delta R.T. -0.019 min
Lab File: VU045082.D
Acq: 01 Oct 2021 18:46

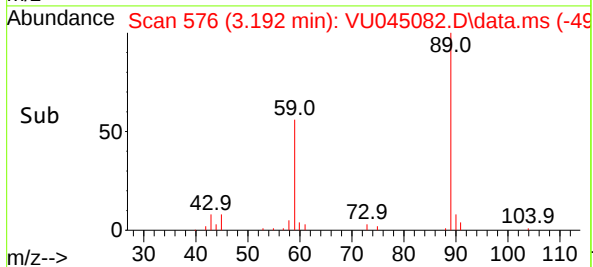
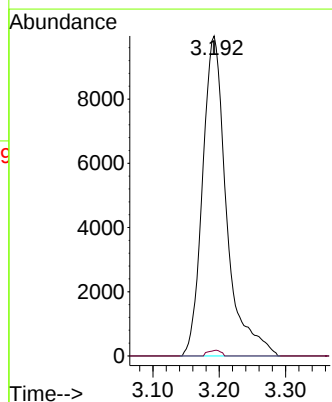
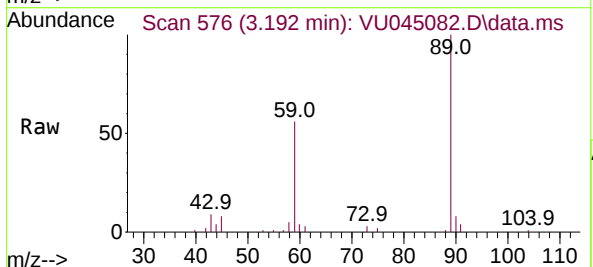
Instrument :
MSVOA_U
ClientSampled :

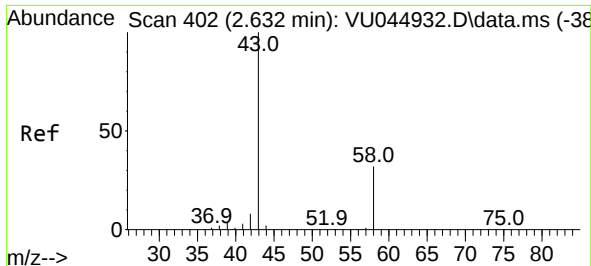
Tgt Ion: 64 Resp: 1389
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#



#11
Tert butyl alcohol
Concen: 27.482 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.039 min
Lab File: VU045082.D
Acq: 01 Oct 2021 18:46

Tgt Ion: 59 Resp: 25055
Ion Ratio Lower Upper
59 100
57 1.0 8.3 12.5#

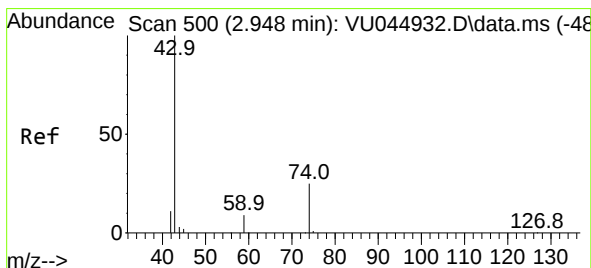
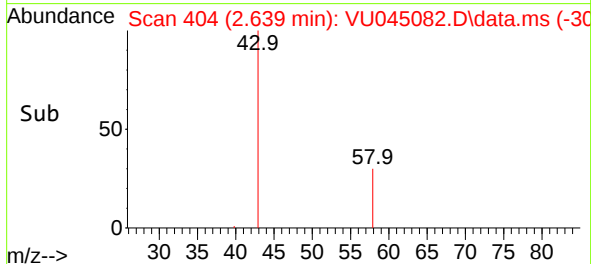
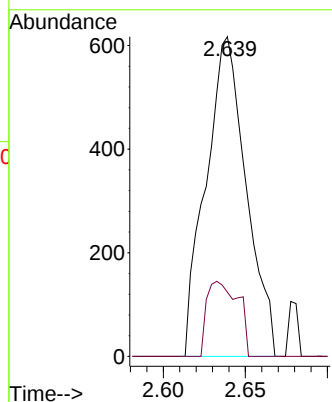
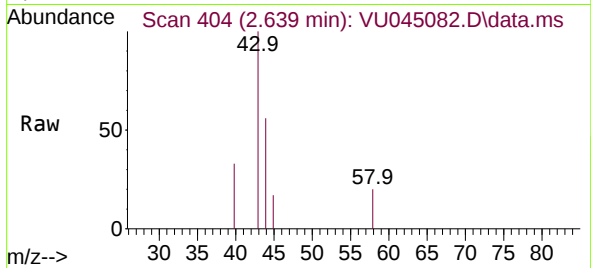




#16
Acetone
Concen: 0.559 ug/l
RT: 2.639 min Scan# 404
Delta R.T. 0.007 min
Lab File: VU045082.D
Acq: 01 Oct 2021 18:46

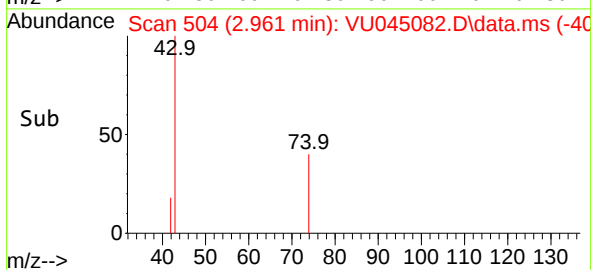
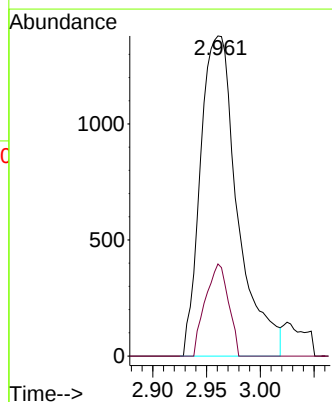
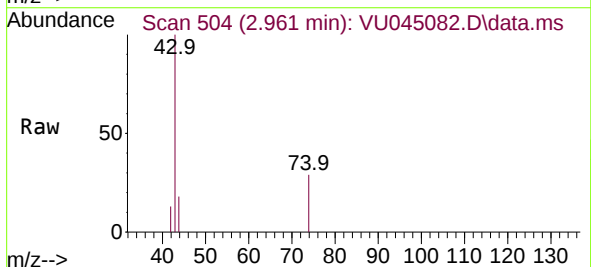
Instrument :
MSVOA_U
ClientSampled :

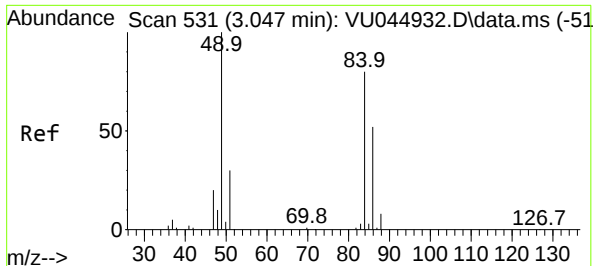
Tgt Ion: 43 Resp: 1054
Ion Ratio Lower Upper
43 100
58 20.1 25.2 37.8#



#18
Methyl Acetate
Concen: 0.601 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.013 min
Lab File: VU045082.D
Acq: 01 Oct 2021 18:46

Tgt Ion: 43 Resp: 3310
Ion Ratio Lower Upper
43 100
74 17.8 19.0 28.6#

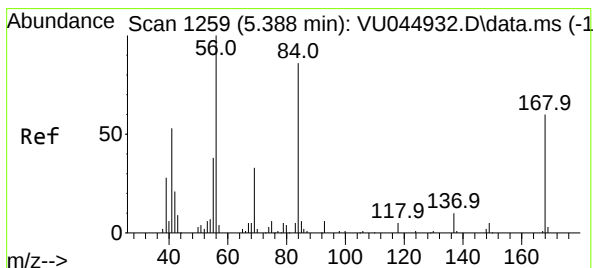
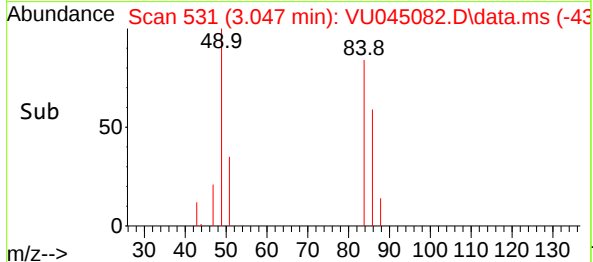
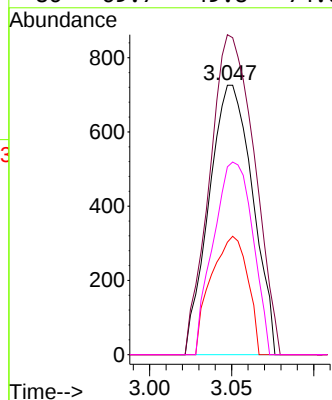
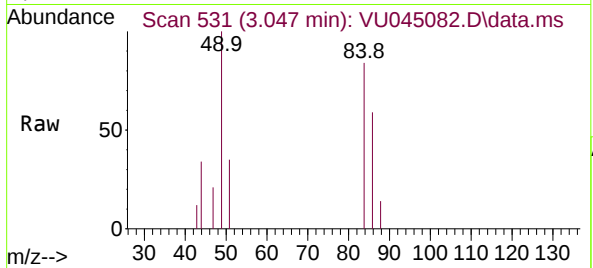




#20
Methylene Chloride
Concen: 0.472 ug/l
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU045082.D
Acq: 01 Oct 2021 18:46

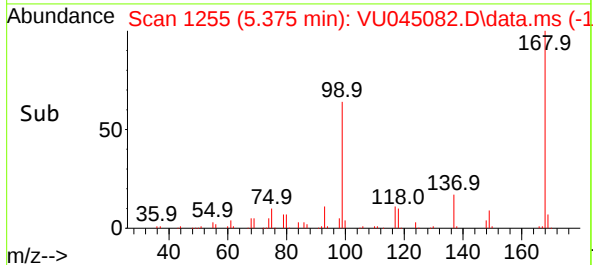
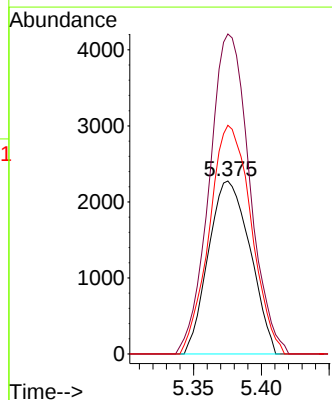
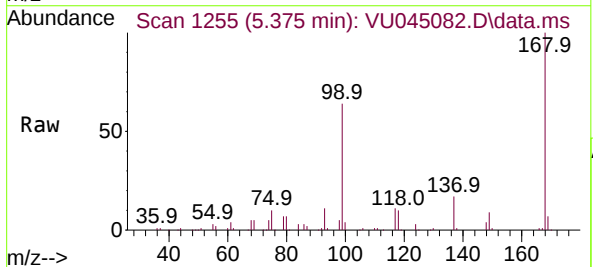
Instrument :
MSVOA_U
ClientSampled :

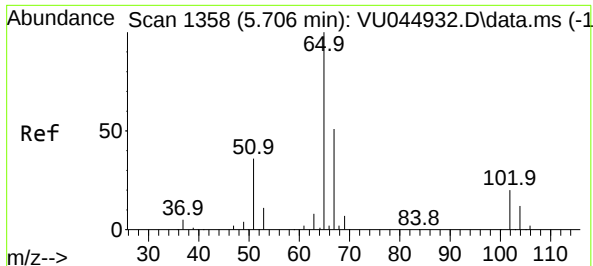
Tgt Ion:	84	Resp:	1341
Ion	Ratio	Lower	Upper
84	100		
49	118.7	104.9	157.3
51	41.7	31.8	47.8
86	69.7	49.8	74.6



#31
Cyclohexane
Concen: 1.008 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.013 min
Lab File: VU045082.D
Acq: 01 Oct 2021 18:46

Tgt Ion:	56	Resp:	4862
Ion	Ratio	Lower	Upper
56	100		
69	180.5	25.2	37.8#
84	132.2	66.4	99.6#



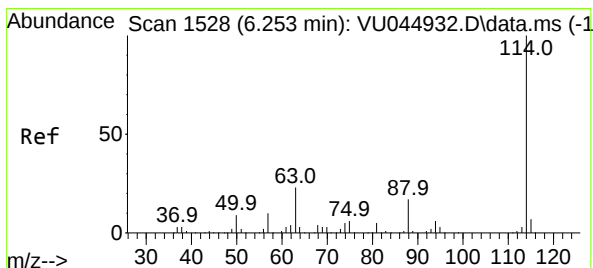
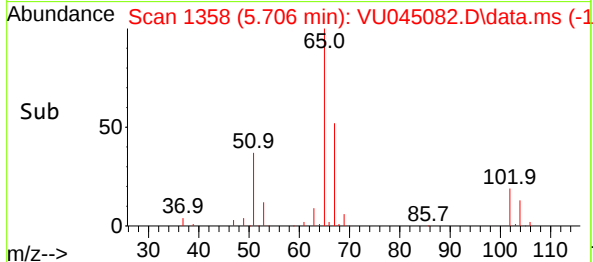
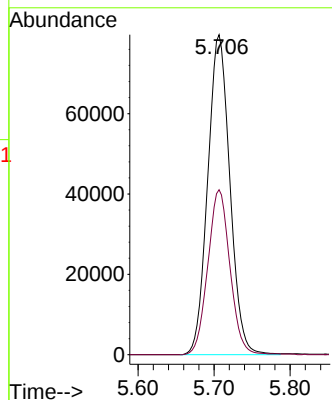
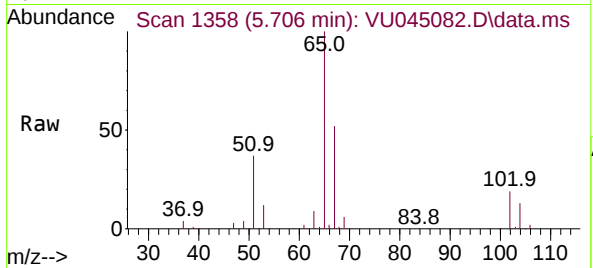


#33
 1,2-Dichloroethane-d4
 Concen: 50.787 ug/l
 RT: 5.706 min Scan# 1358
 Delta R.T. 0.000 min
 Lab File: VU045082.D
 Acq: 01 Oct 2021 18:46

Instrument :
 MSVOA_U
 ClientSampled :

Tgt Ion: 65 Resp: 161326

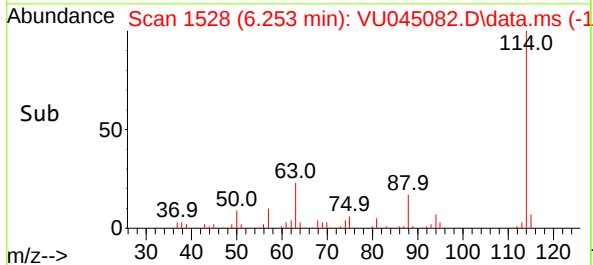
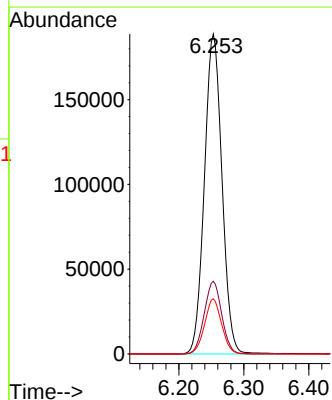
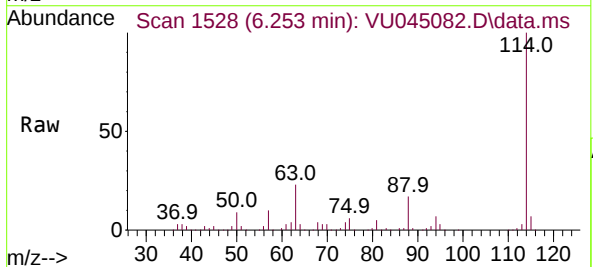
Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	104.8

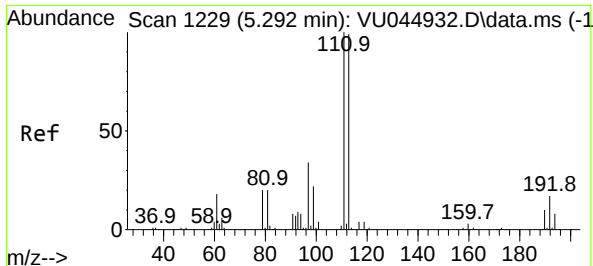


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.253 min Scan# 1528
 Delta R.T. 0.000 min
 Lab File: VU045082.D
 Acq: 01 Oct 2021 18:46

Tgt Ion: 114 Resp: 355516

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	47.8
88	17.3	0.0	32.8





#35

Dibromofluoromethane

Concen: 49.503 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. 0.003 min

Lab File: VU045082.D

Acq: 01 Oct 2021 18:46

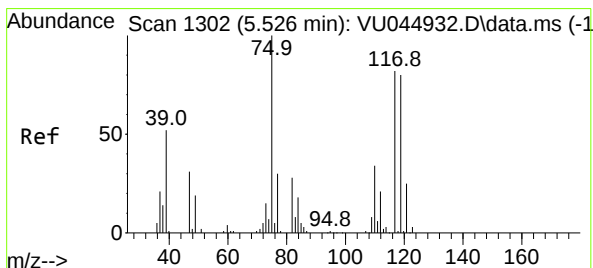
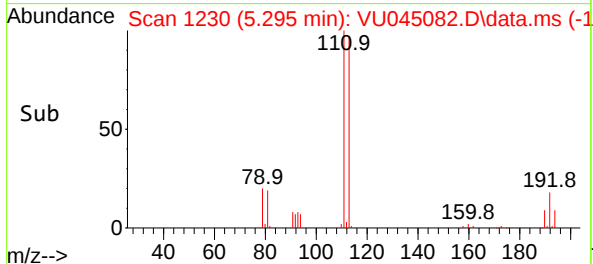
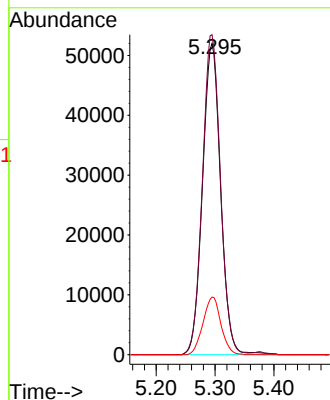
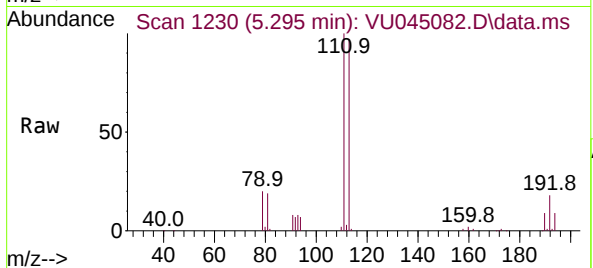
Tgt Ion:113 Resp: 111022

Ion Ratio Lower Upper

113 100

111 102.3 84.1 126.1

192 18.3 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.844 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.151 min

Lab File: VU045082.D

Acq: 01 Oct 2021 18:46

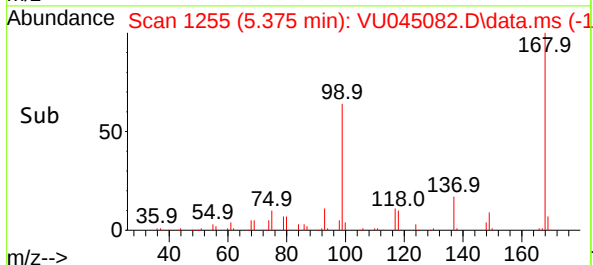
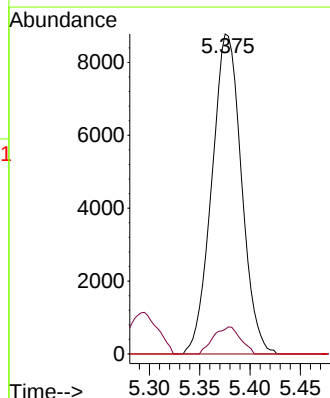
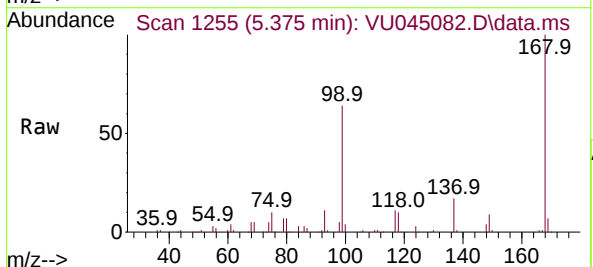
Tgt Ion: 75 Resp: 18011

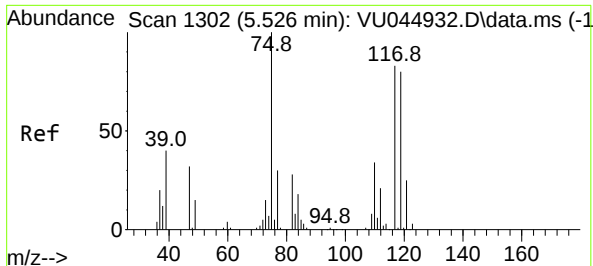
Ion Ratio Lower Upper

75 100

110 7.7 16.3 48.9#

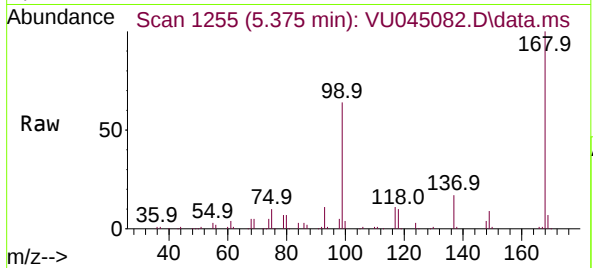
77 0.0 25.0 37.4#



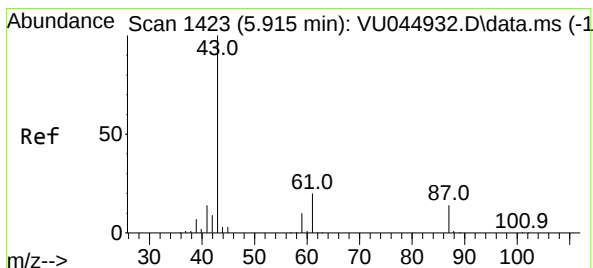
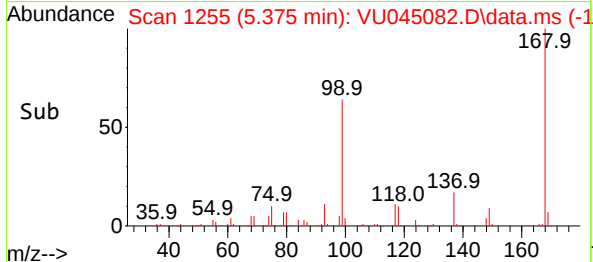
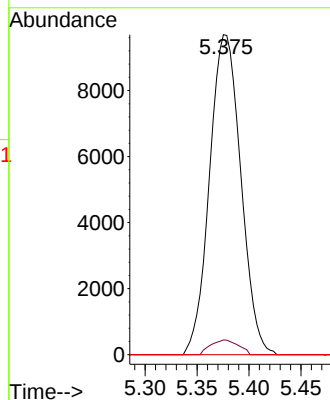


#38
Carbon Tetrachloride
Concen: 6.314 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU045082.D
Acq: 01 Oct 2021 18:46

Instrument :
MSVOA_U
ClientSampled :

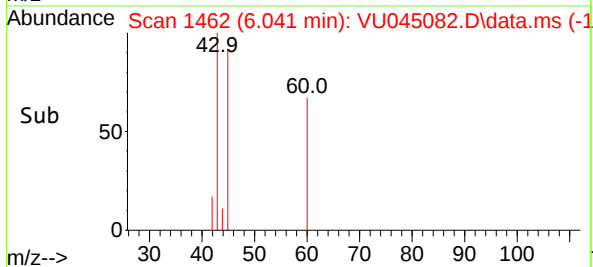
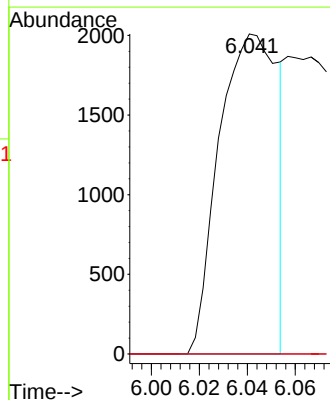
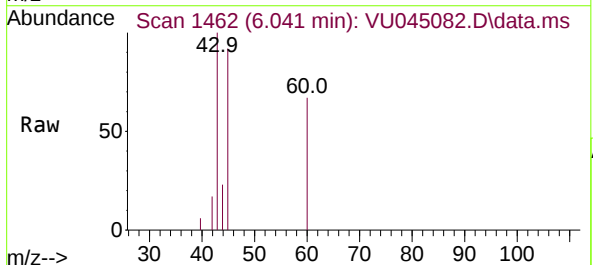


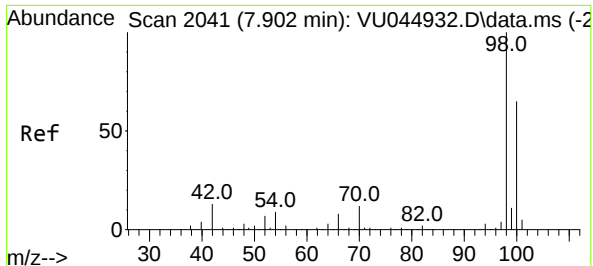
Tgt Ion: 117 Resp: 20312
Ion Ratio Lower Upper
117 100
119 4.6 77.4 116.2#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 0.460 ug/l
RT: 6.041 min Scan# 1462
Delta R.T. 0.126 min
Lab File: VU045082.D
Acq: 01 Oct 2021 18:46

Tgt Ion: 43 Resp: 3406
Ion Ratio Lower Upper
43 100
61 0.0 16.1 24.1#
87 0.0 10.3 15.5#

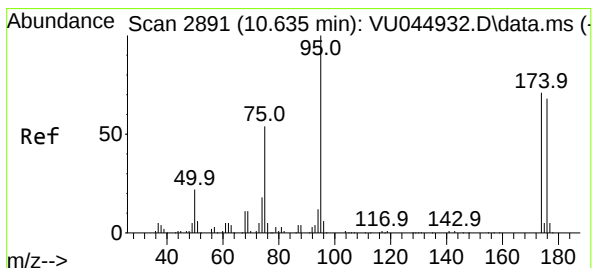
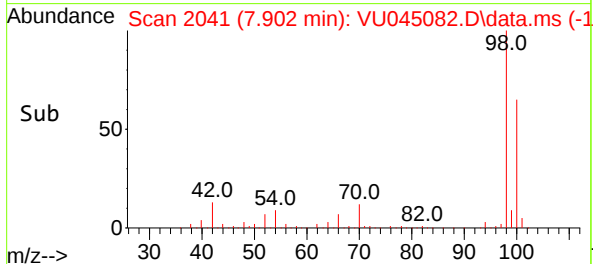
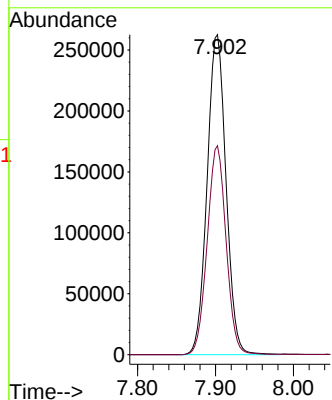
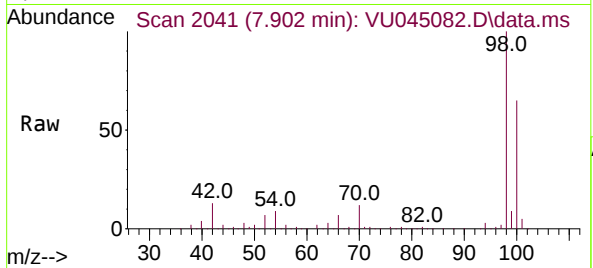




#50
Toluene-d8
Concen: 49.991 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VU045082.D
Acq: 01 Oct 2021 18:46

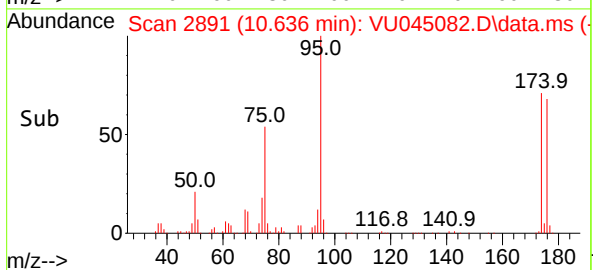
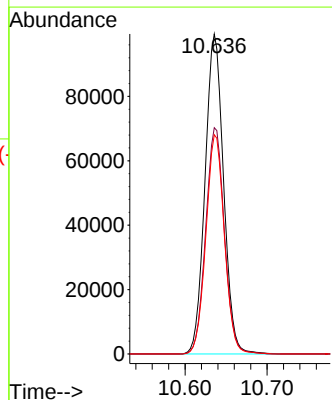
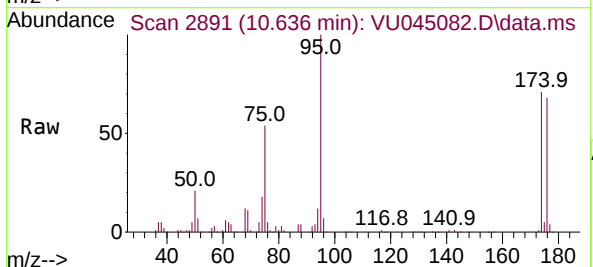
Instrument :
MSVOA_U
ClientSampled :

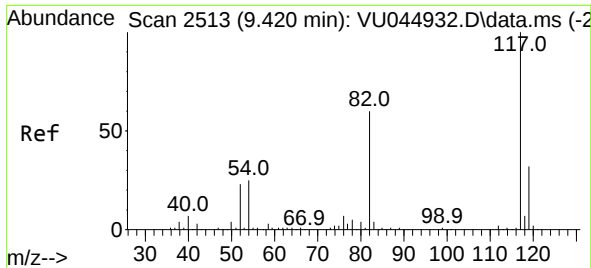
Tgt Ion: 98 Resp: 442987
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 42.676 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.001 min
Lab File: VU045082.D
Acq: 01 Oct 2021 18:46

Tgt Ion: 95 Resp: 156128
Ion Ratio Lower Upper
95 100
174 71.6 0.0 146.6
176 68.4 0.0 141.2

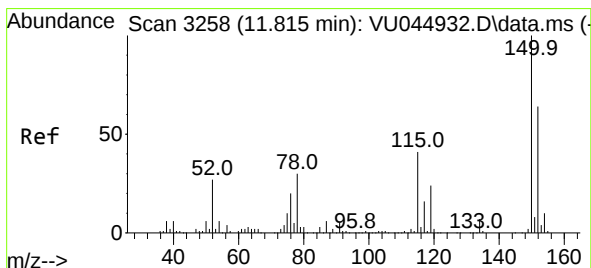
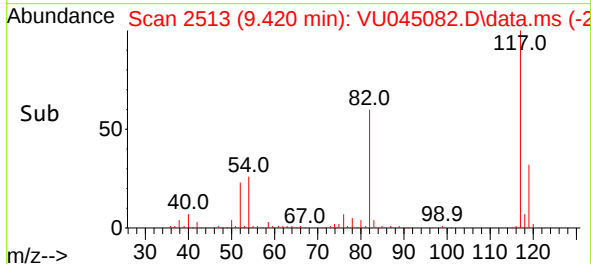
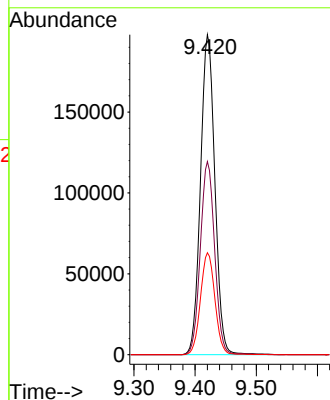
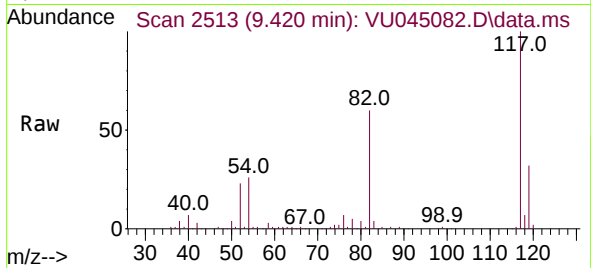




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045082.D
Acq: 01 Oct 2021 18:46

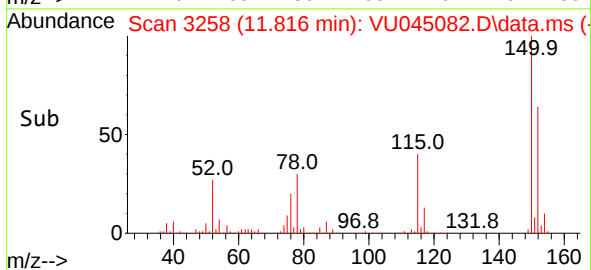
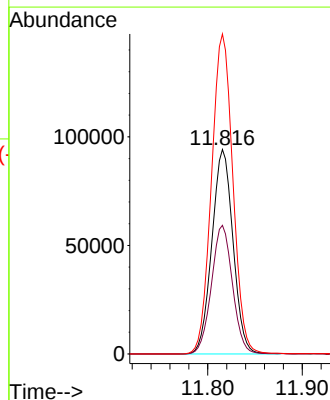
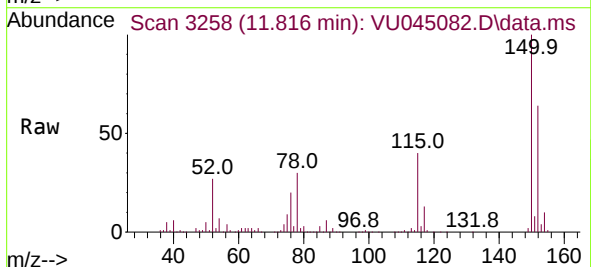
Instrument :
MSVOA_U
ClientSampleId :

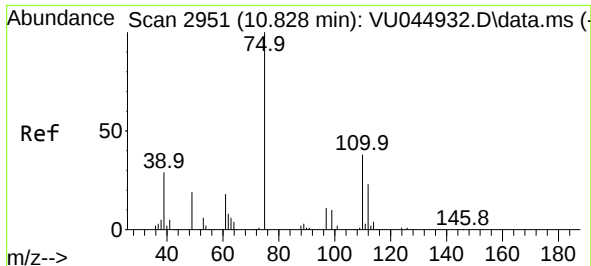
Tgt Ion:117 Resp: 323325
Ion Ratio Lower Upper
117 100
82 60.4 47.8 71.8
119 31.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.001 min
Lab File: VU045082.D
Acq: 01 Oct 2021 18:46

Tgt Ion:152 Resp: 146535
Ion Ratio Lower Upper
152 100
115 62.4 43.5 130.7
150 157.8 0.0 350.0

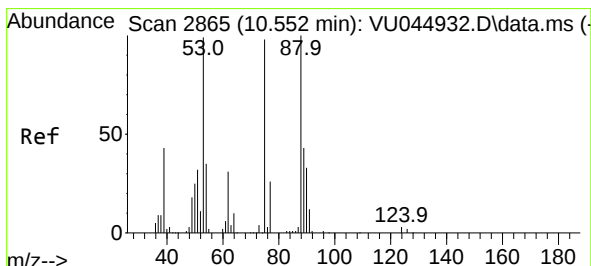
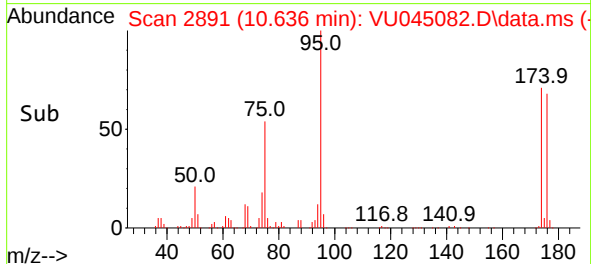
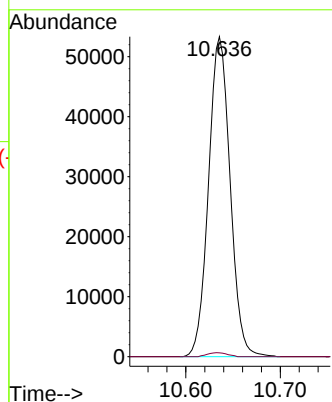
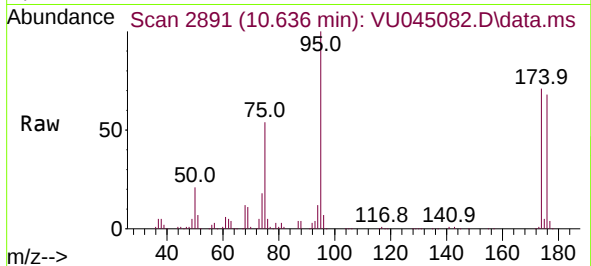




#76
1,2,3-Trichloropropane
Concen: 19.802 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.192 min
Lab File: VU045082.D
Acq: 01 Oct 2021 18:46

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 75 Resp: 84637
Ion Ratio Lower Upper
75 100
77 1.1 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.954 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU045082.D
Acq: 01 Oct 2021 18:46

Tgt Ion: 75 Resp: 84637
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

