

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092521\
 Data File : VU044881.D
 Acq On : 26 Sep 2021 09:22
 Operator : SY/MD
 Sample : M3893-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4

Quant Time: Sep 27 03:21:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092421W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 25 09:30:46 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

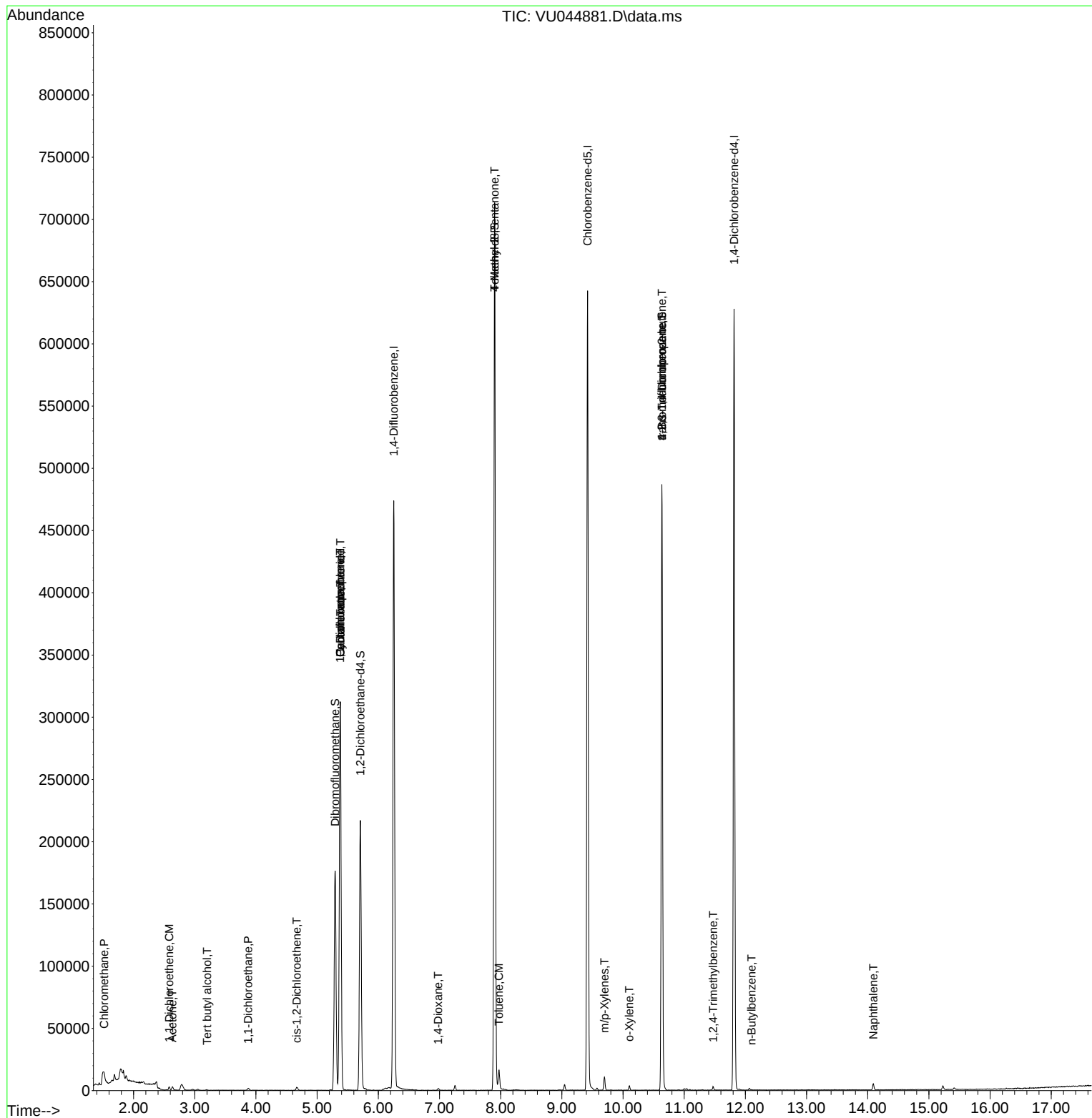
Internal Standards						
1) Pentafluorobenzene	5.379	168	204435	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	363556	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	328469	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	151672	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	162788	45.625	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.260%	
35) Dibromofluoromethane	5.295	113	113248	45.407	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.820%	
50) Toluene-d8	7.903	98	459209	48.751	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.500%	
62) 4-Bromofluorobenzene	10.636	95	159880	45.698	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.400%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1258	0.339	ug/l	96
5) Bromomethane	1.851	94	282	Below Cal		100
6) Chloroethane	1.932	64	314	Below Cal	#	42
11) Tert butyl alcohol	3.202	59	250	0.240	ug/l #	72
12) 1,1-Dichloroethene	2.581	96	883	0.359	ug/l	83
16) Acetone	2.636	43	3080	1.530	ug/l	94
24) 1,1-Dichloroethane	3.874	63	2251	0.411	ug/l #	83
27) cis-1,2-Dichloroethene	4.668	96	1340	0.418	ug/l	87
31) Cyclohexane	5.379	56	5444	1.063	ug/l #	2
36) 1,1-Dichloropropene	5.375	75	19068	4.943	ug/l #	50
38) Carbon Tetrachloride	5.379	117	21519	6.240	ug/l #	14
49) 1,4-Dioxane	6.980	88	1062	11.118	ug/l #	94
51) 4-Methyl-2-Pentanone	7.899	43	2270	0.402	ug/l #	1
52) Toluene	7.973	92	5897	0.839	ug/l	97
68) m/p-Xylenes	9.697	106	2908	0.625	ug/l	97
69) o-Xylene	10.102	106	988	0.219	ug/l	86
76) 1,2,3-Trichloropropane	10.636	75	86006	18.726	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	86006	60.662	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.475	105	1918	0.213	ug/l	90
89) n-Butylbenzene	12.102	91	20	1.278	ug/l #	33
95) Naphthalene	14.092	128	4669	1.337	ug/l #	93

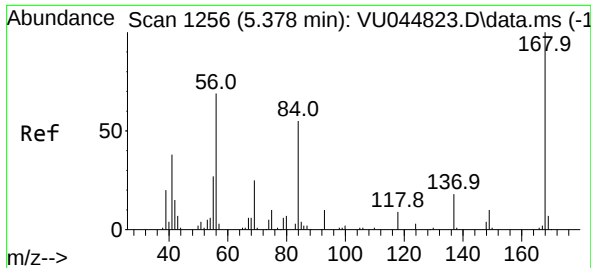
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_U
ClientSampleId :
MW-4

Quant Time: Sep 27 03:21:04 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092421W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 25 09:30:46 2021
Response via : Initial Calibration

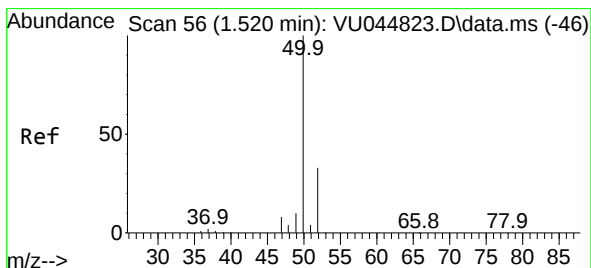
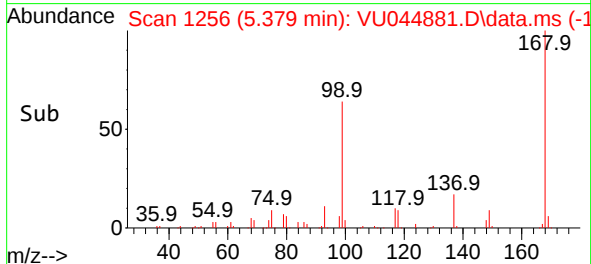
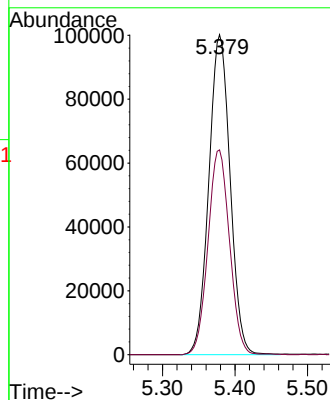
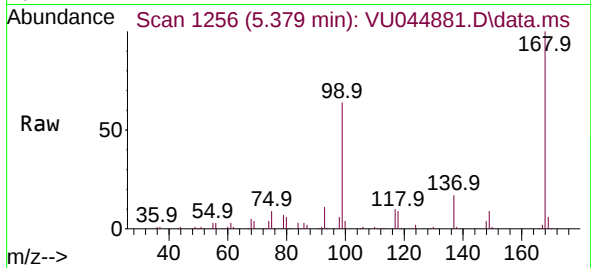




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. 0.001 min
Lab File: VU044881.D
Acq: 26 Sep 2021 09:22

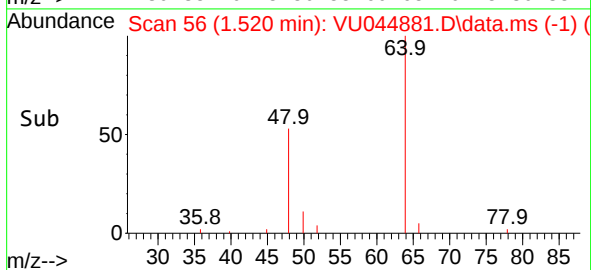
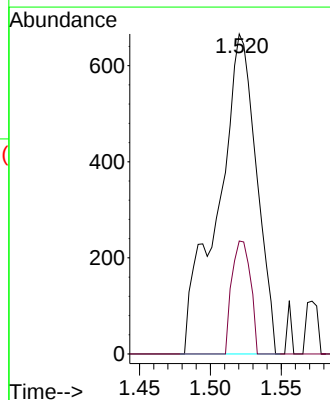
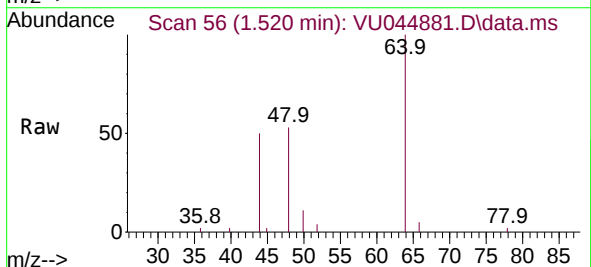
Instrument :
MSVOA_U
ClientSampled :
MW-4

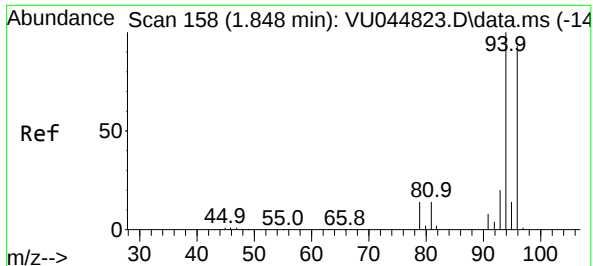
Tgt Ion:168 Resp: 204435
Ion Ratio Lower Upper
168 100
99 64.0 51.4 77.0



#3
Chloromethane
Concen: 0.339 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU044881.D
Acq: 26 Sep 2021 09:22

Tgt Ion: 50 Resp: 1258
Ion Ratio Lower Upper
50 100
52 35.3 26.3 39.5

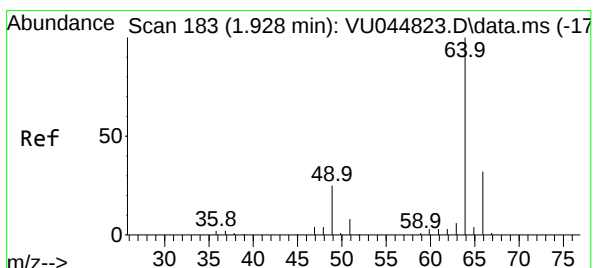
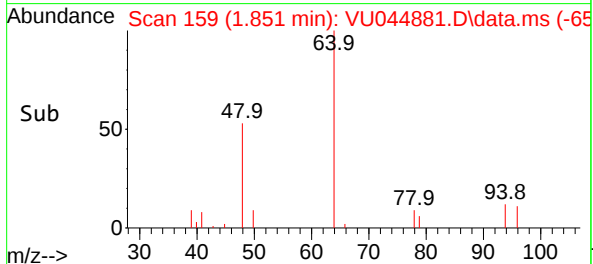
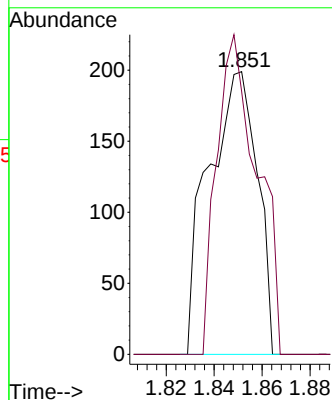
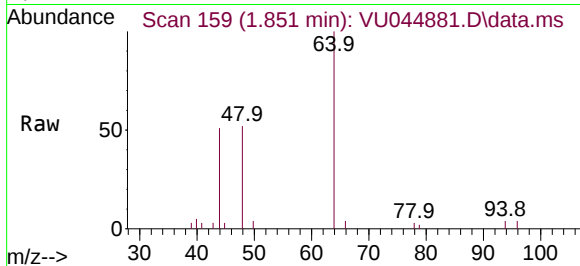




#5
Bromomethane
Concen: Below Cal
RT: 1.851 min Scan# 159
Delta R.T. 0.003 min
Lab File: VU044881.D
Acq: 26 Sep 2021 09:22

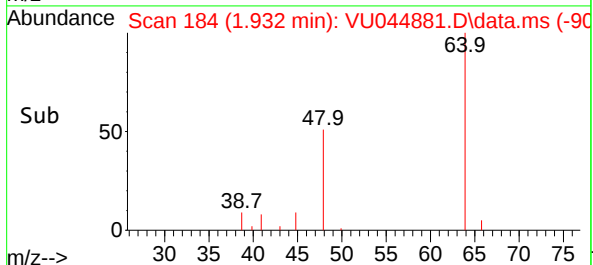
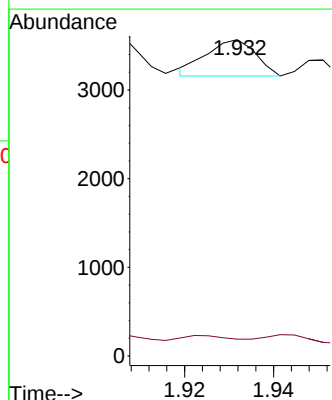
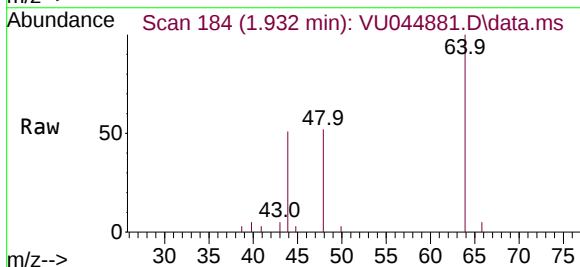
Instrument :
MSVOA_U
ClientSampled :
MW-4

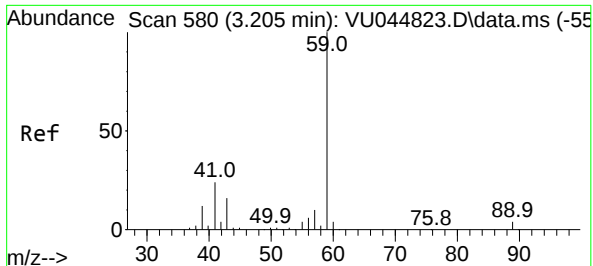
Tgt Ion: 94 Resp: 282
Ion Ratio Lower Upper
94 100
96 93.0 74.5 111.7



#6
Chloroethane
Concen: Below Cal
RT: 1.932 min Scan# 184
Delta R.T. 0.004 min
Lab File: VU044881.D
Acq: 26 Sep 2021 09:22

Tgt Ion: 64 Resp: 314
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#



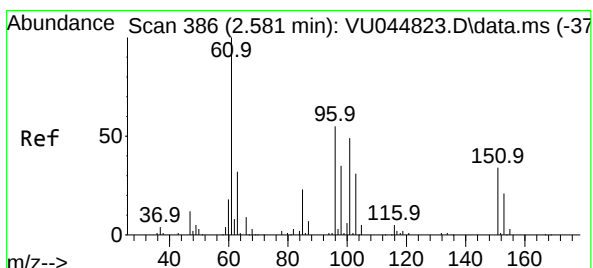
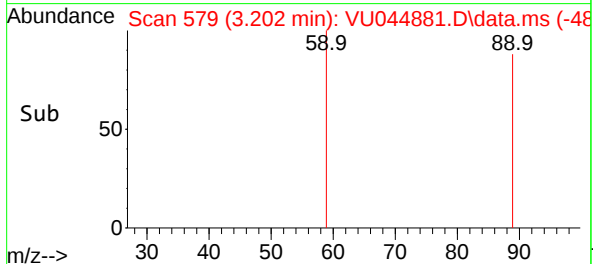
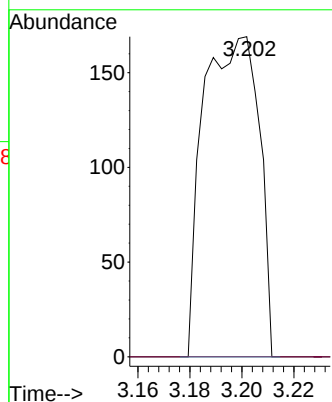
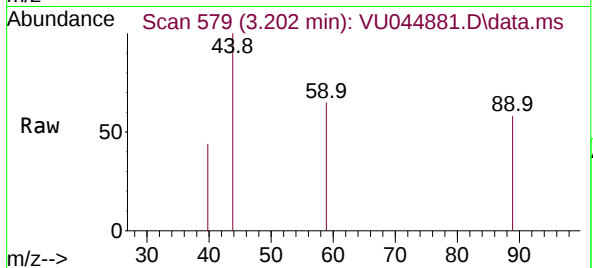


#11

Tert butyl alcohol
Concen: 0.240 ug/l
RT: 3.202 min Scan# 579
Delta R.T. -0.003 min
Lab File: VU044881.D
Acq: 26 Sep 2021 09:22

Instrument :
MSVOA_U
ClientSampled :
MW-4

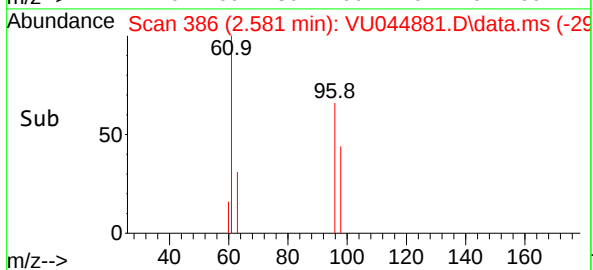
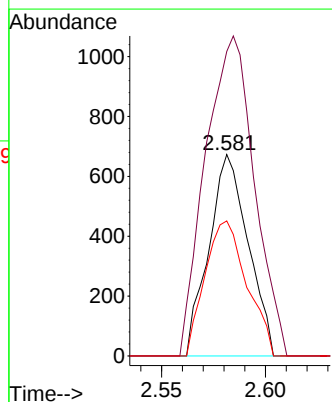
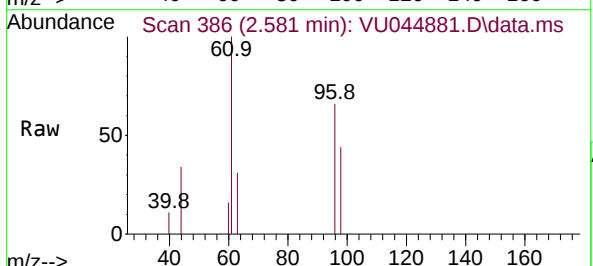
Tgt Ion: 59 Resp: 250
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

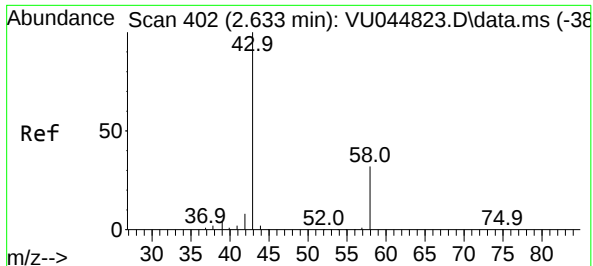


#12

1,1-Dichloroethene
Concen: 0.359 ug/l
RT: 2.581 min Scan# 386
Delta R.T. 0.000 min
Lab File: VU044881.D
Acq: 26 Sep 2021 09:22

Tgt Ion: 96 Resp: 883
Ion Ratio Lower Upper
96 100
61 151.1 145.4 218.0
98 67.0 50.9 76.3

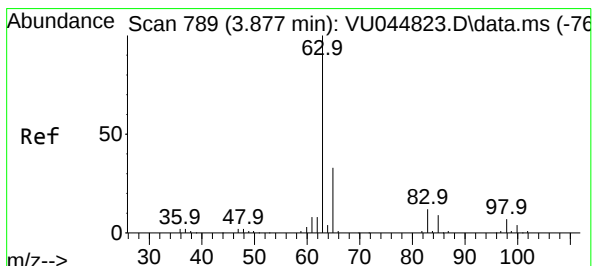
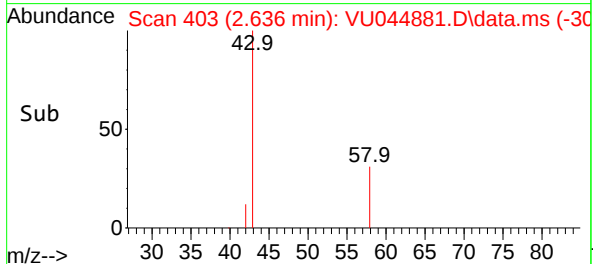
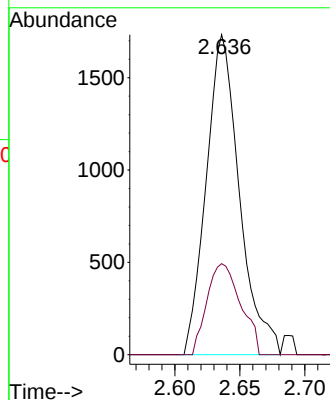
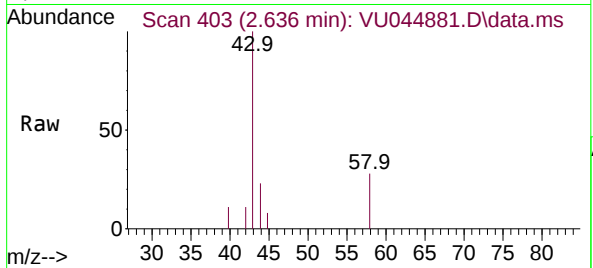




#16
Acetone
Concen: 1.530 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.003 min
Lab File: VU044881.D
Acq: 26 Sep 2021 09:22

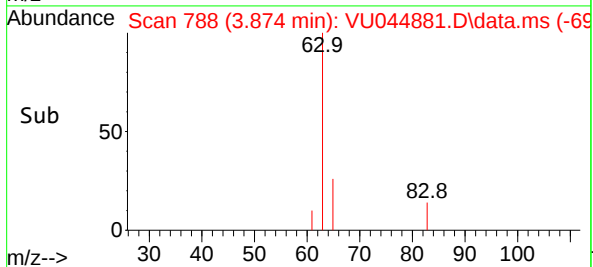
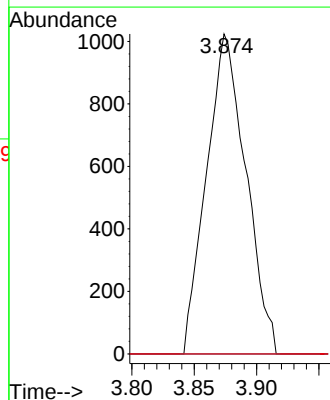
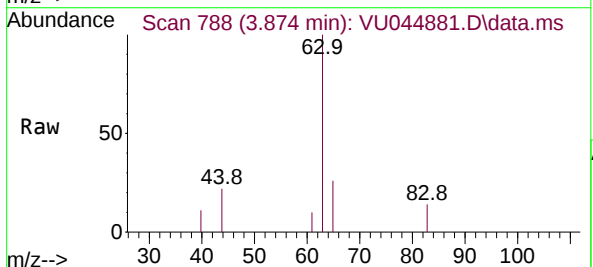
Instrument :
MSVOA_U
ClientSampled :
MW-4

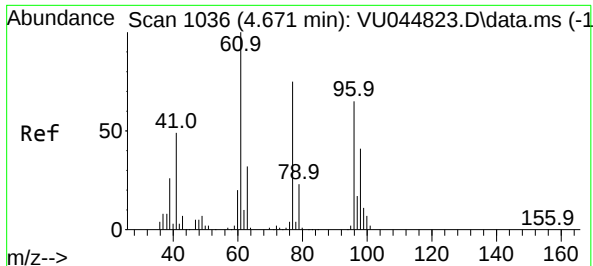
Tgt Ion: 43 Resp: 3080
Ion Ratio Lower Upper
43 100
58 28.4 25.2 37.8



#24
1,1-Dichloroethane
Concen: 0.411 ug/l
RT: 3.874 min Scan# 788
Delta R.T. -0.003 min
Lab File: VU044881.D
Acq: 26 Sep 2021 09:22

Tgt Ion: 63 Resp: 2251
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.1 6.3#



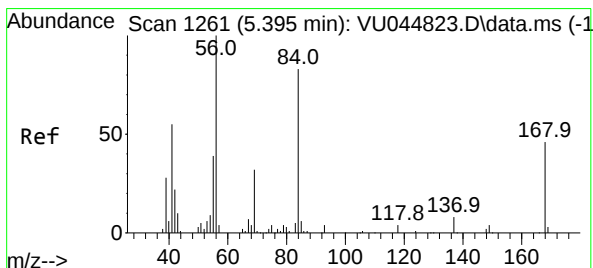
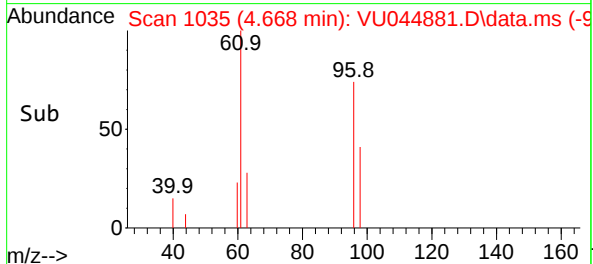
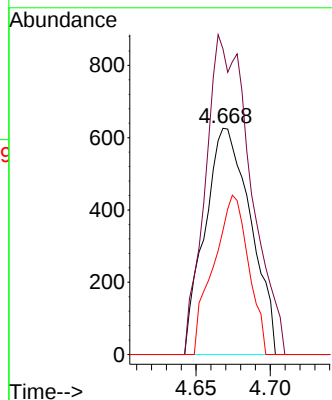
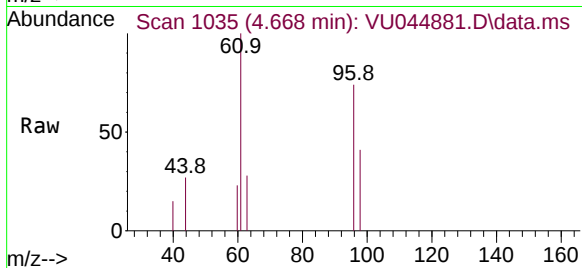


#27

cis-1,2-Dichloroethene
Concen: 0.418 ug/l
RT: 4.668 min Scan# 1035
Delta R.T. -0.003 min
Lab File: VU044881.D
Acq: 26 Sep 2021 09:22

Instrument :
MSVOA_U
ClientSampled :
MW-4

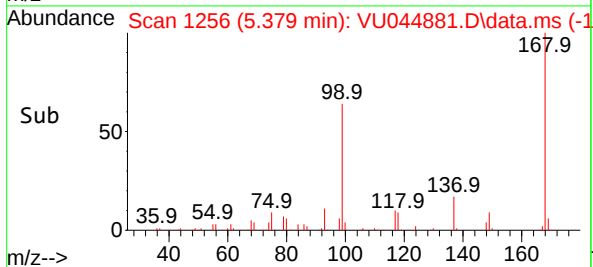
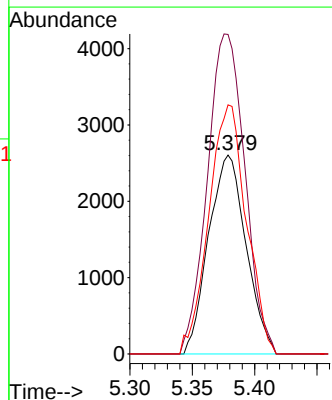
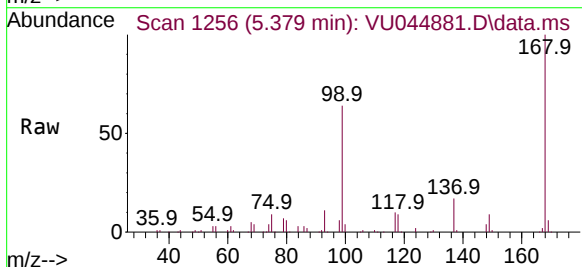
Tgt Ion:	96	Resp:	1340
Ion	Ratio	Lower	Upper
96	100		
61	139.4	0.0	313.4
98	54.1	0.0	127.0

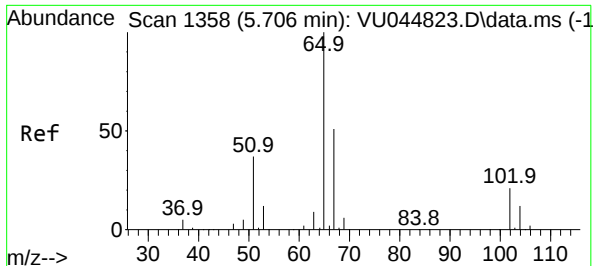


#31

Cyclohexane
Concen: 1.063 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.016 min
Lab File: VU044881.D
Acq: 26 Sep 2021 09:22

Tgt Ion:	56	Resp:	5444
Ion	Ratio	Lower	Upper
56	100		
69	160.6	25.2	37.8#
84	125.2	66.4	99.6#



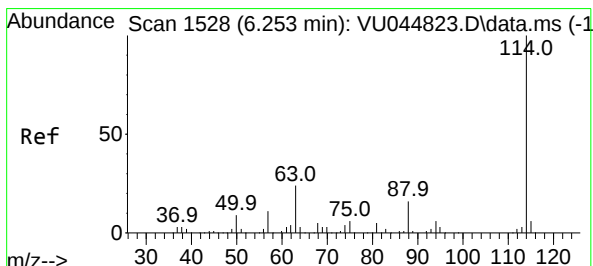
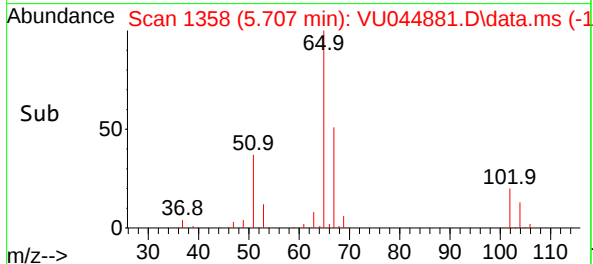
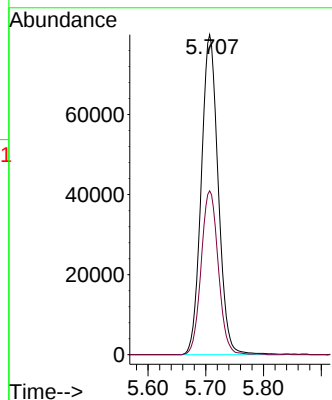
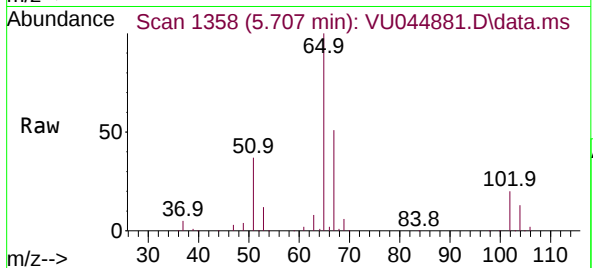


#33

1,2-Dichloroethane-d4
Concen: 45.625 ug/l
RT: 5.707 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VU044881.D
Acq: 26 Sep 2021 09:22

Instrument :
MSVOA_U
ClientSampled :
MW-4

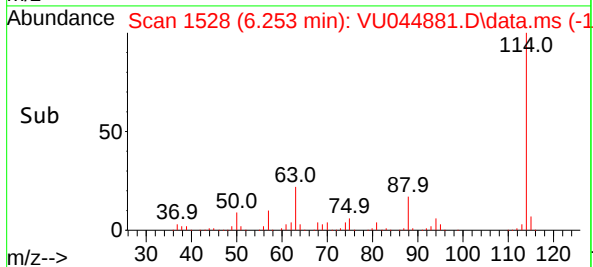
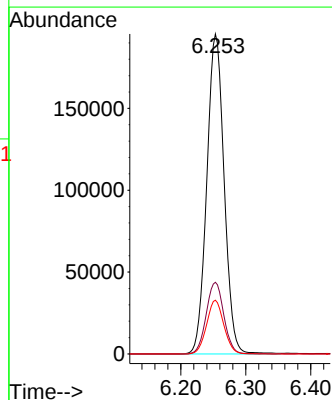
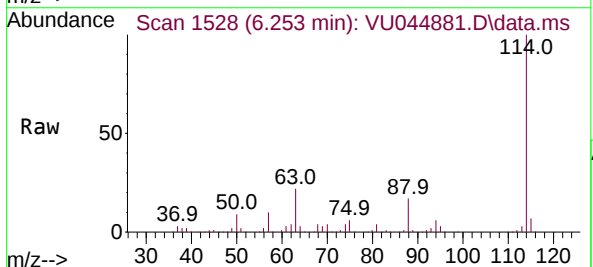
Tgt Ion: 65 Resp: 162788
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.8

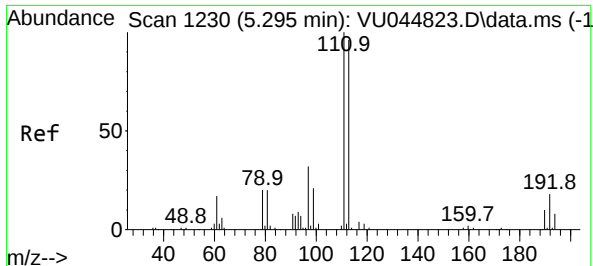


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. 0.000 min
Lab File: VU044881.D
Acq: 26 Sep 2021 09:22

Tgt Ion: 114 Resp: 363556
Ion Ratio Lower Upper
114 100
63 22.4 0.0 47.8
88 16.8 0.0 32.8

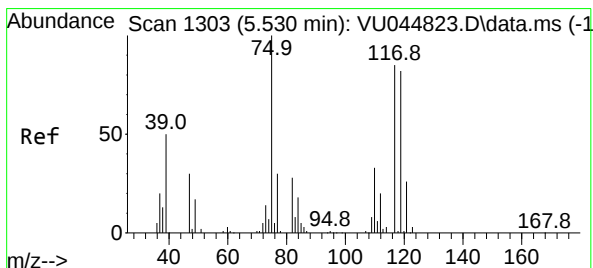
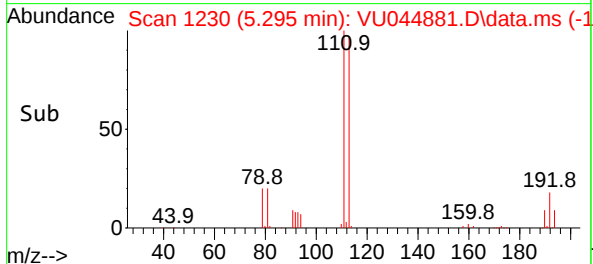
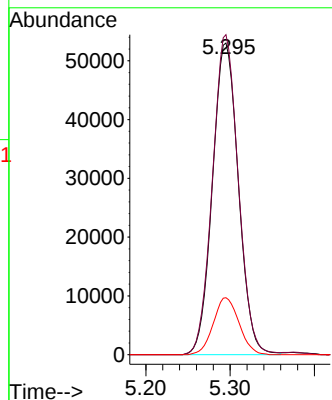
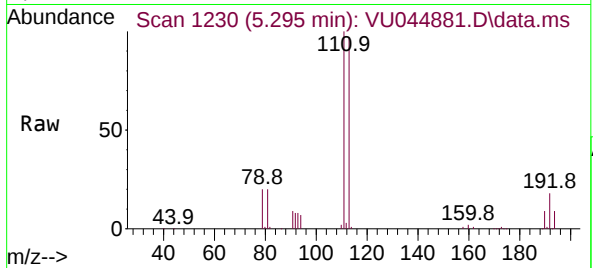




#35
Dibromofluoromethane
Concen: 45.407 ug/l
RT: 5.295 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VU044881.D
Acq: 26 Sep 2021 09:22

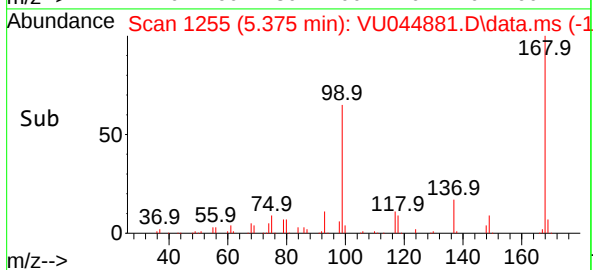
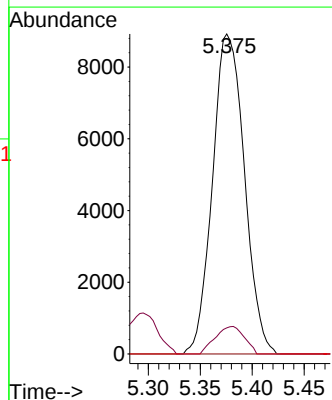
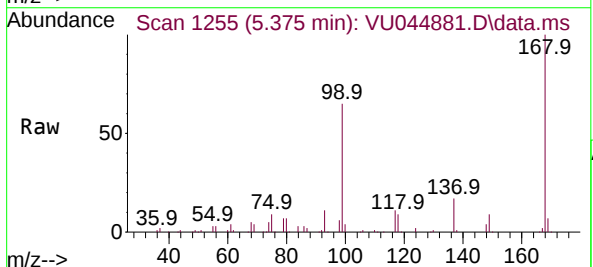
Instrument :
MSVOA_U
ClientSampled :
MW-4

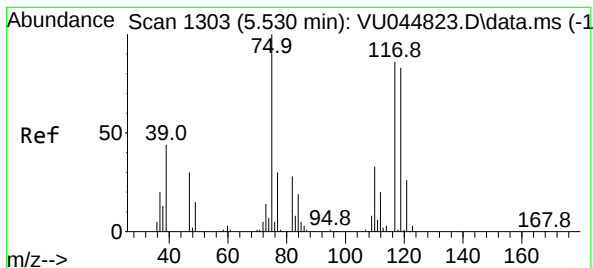
Tgt Ion: 113 Resp: 113248
Ion Ratio Lower Upper
113 100
111 102.4 84.1 126.1
192 18.2 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.943 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.154 min
Lab File: VU044881.D
Acq: 26 Sep 2021 09:22

Tgt Ion: 75 Resp: 19068
Ion Ratio Lower Upper
75 100
110 7.8 16.3 48.9#
77 0.0 25.0 37.4#

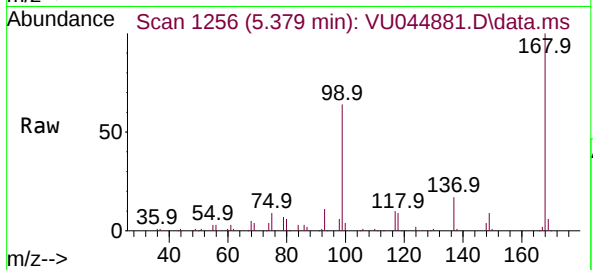




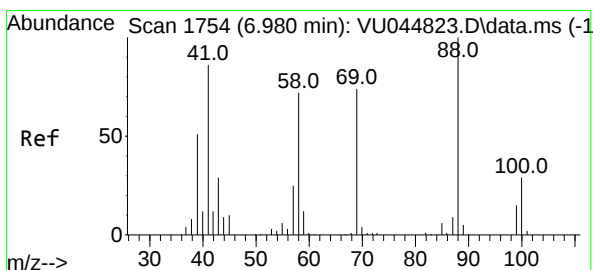
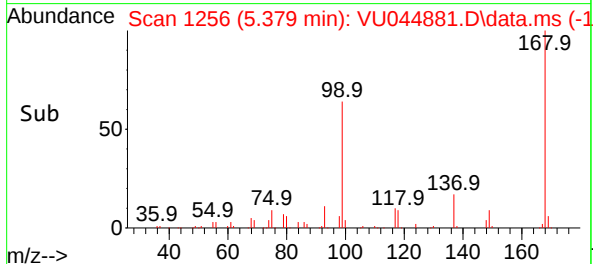
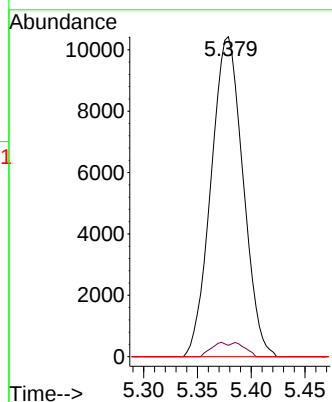
#38

Carbon Tetrachloride
Concen: 6.240 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU044881.D
Acq: 26 Sep 2021 09:22

Instrument :
MSVOA_U
ClientSampled :
MW-4

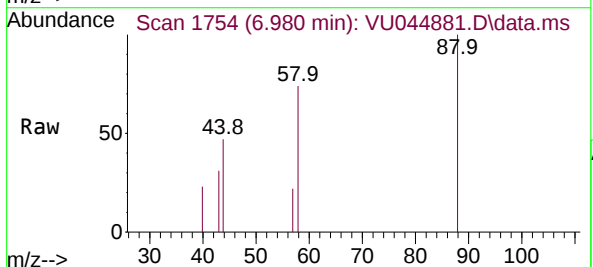


Tgt Ion:	117	Resp:	21519
Ion	Ratio	Lower	Upper
117	100		
119	3.6	77.4	116.2#
121	0.0	24.5	36.7#

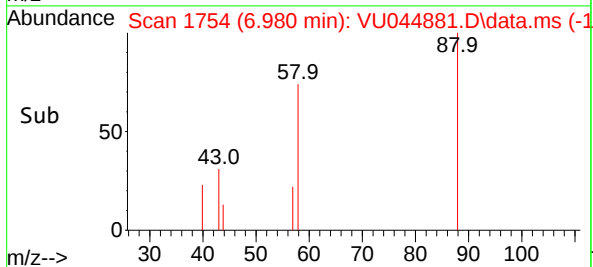
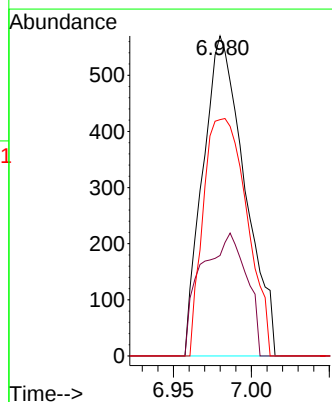


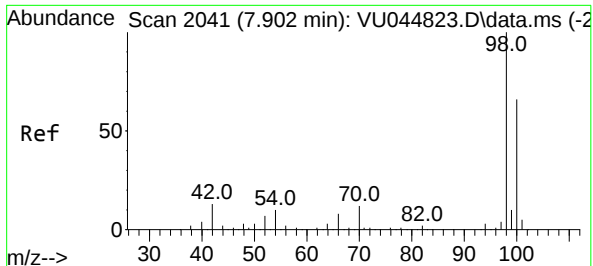
#49

1,4-Dioxane
Concen: 11.118 ug/l
RT: 6.980 min Scan# 1754
Delta R.T. 0.000 min
Lab File: VU044881.D
Acq: 26 Sep 2021 09:22



Tgt Ion:	88	Resp:	1062
Ion	Ratio	Lower	Upper
88	100		
43	41.3	25.8	38.6#
58	77.6	61.3	91.9

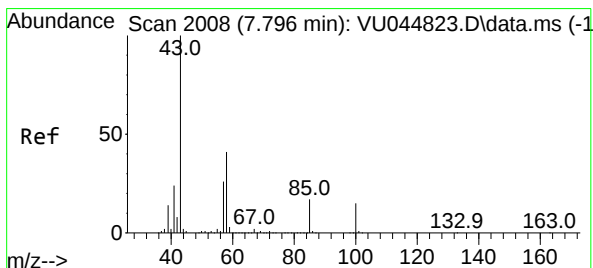
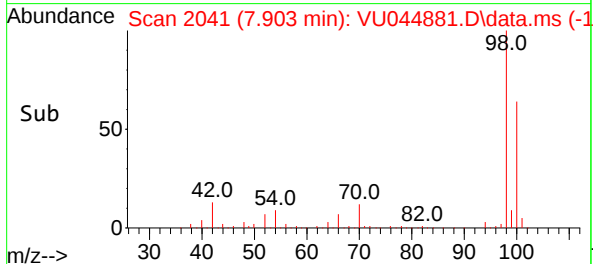
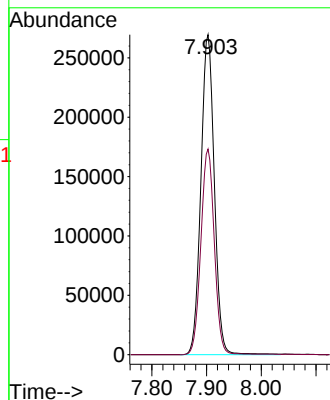
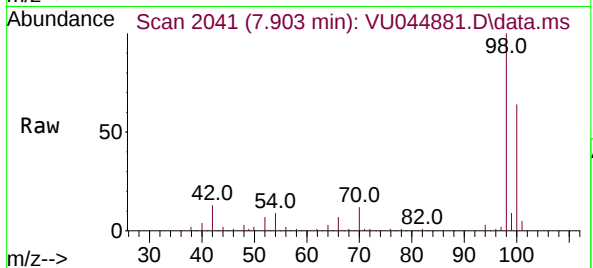




#50
Toluene-d8
Concen: 48.751 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VU044881.D
Acq: 26 Sep 2021 09:22

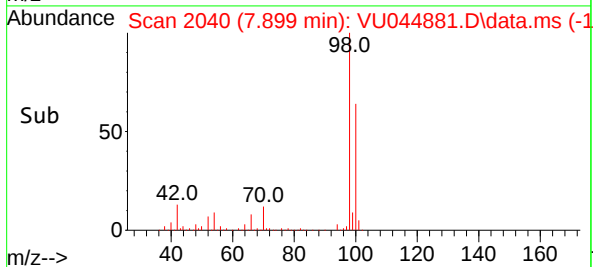
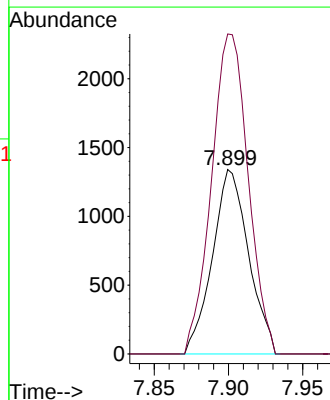
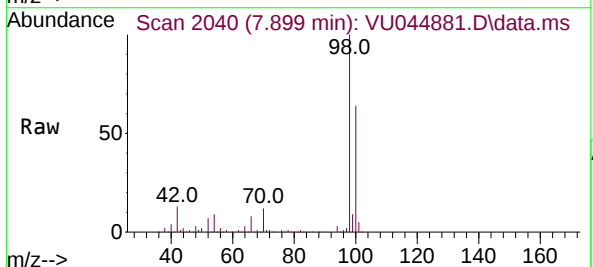
Instrument :
MSVOA_U
ClientSampled :
MW-4

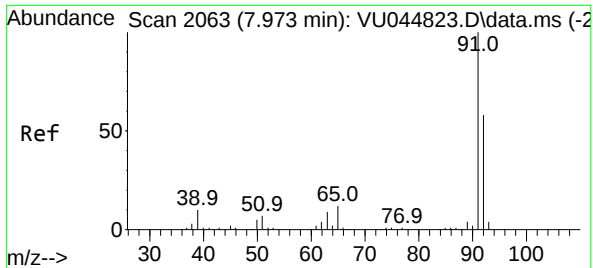
Tgt Ion: 98 Resp: 459209
Ion Ratio Lower Upper
98 100
100 64.3 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.402 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.103 min
Lab File: VU044881.D
Acq: 26 Sep 2021 09:22

Tgt Ion: 43 Resp: 2270
Ion Ratio Lower Upper
43 100
58 175.9 32.4 48.6#

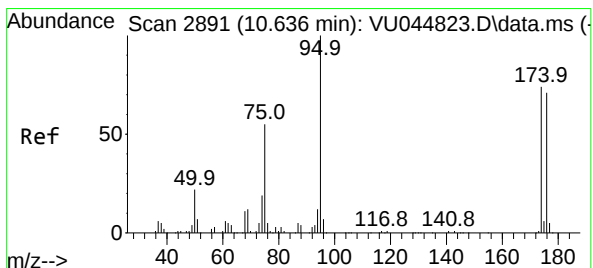
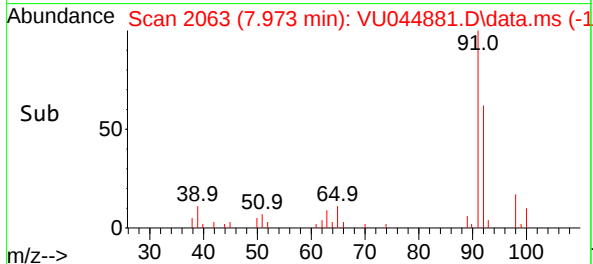
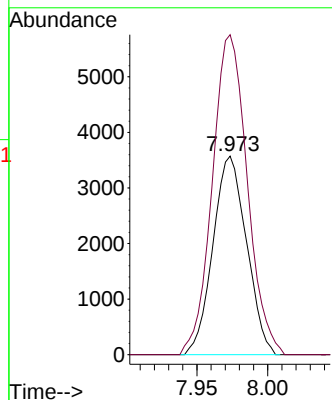
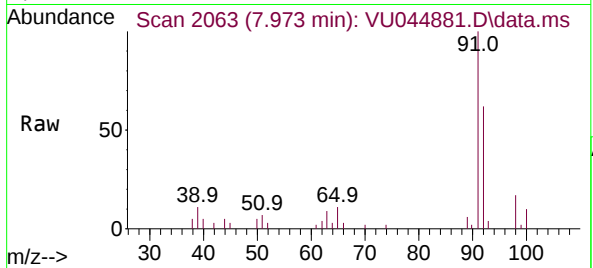




#52
Toluene
Concen: 0.839 ug/l
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU044881.D
Acq: 26 Sep 2021 09:22

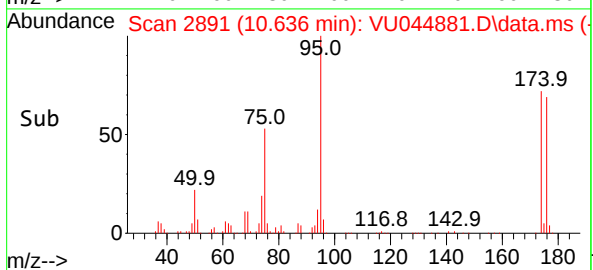
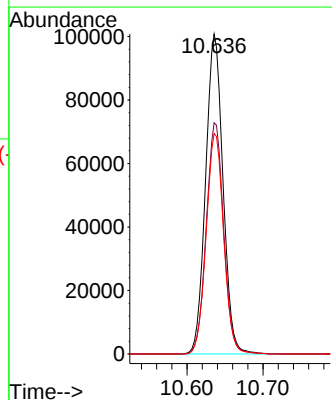
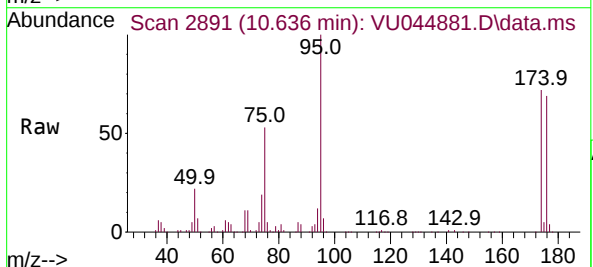
Instrument :
MSVOA_U
ClientSampled :
MW-4

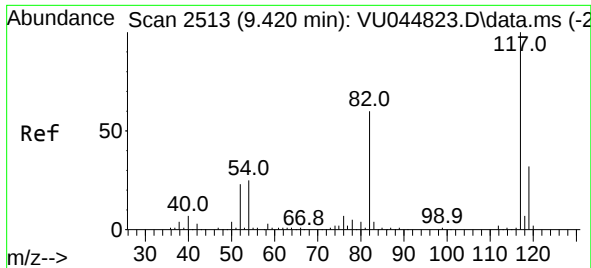
Tgt Ion: 92 Resp: 5897
Ion Ratio Lower Upper
92 100
91 167.5 136.9 205.3



#62
4-Bromofluorobenzene
Concen: 45.698 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU044881.D
Acq: 26 Sep 2021 09:22

Tgt Ion: 95 Resp: 159880
Ion Ratio Lower Upper
95 100
174 72.5 0.0 146.6
176 69.2 0.0 141.2

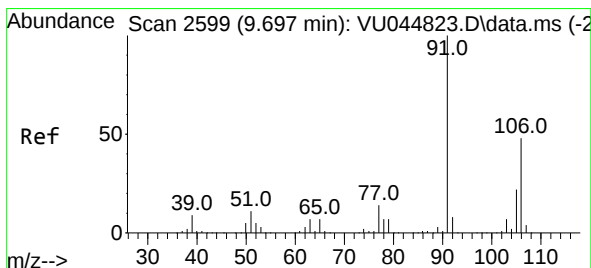
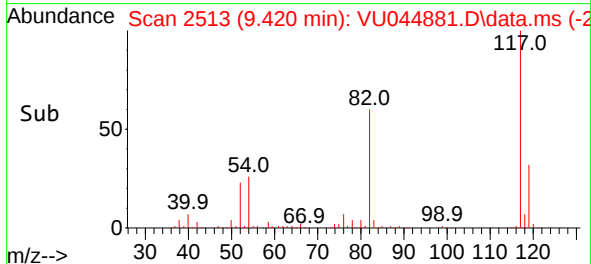
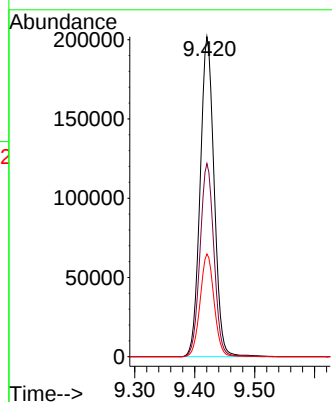
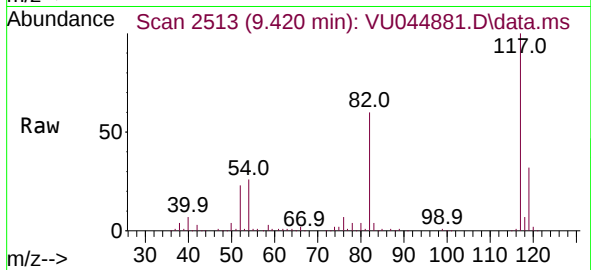




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU044881.D
Acq: 26 Sep 2021 09:22

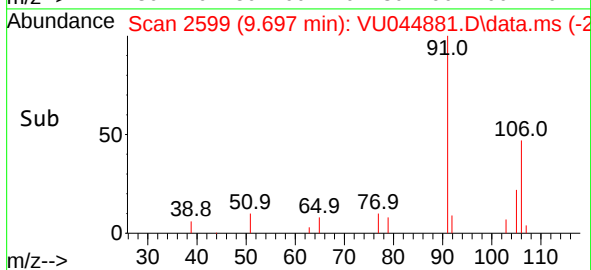
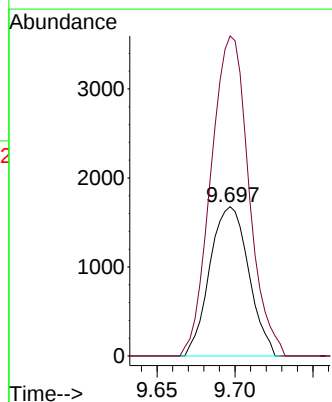
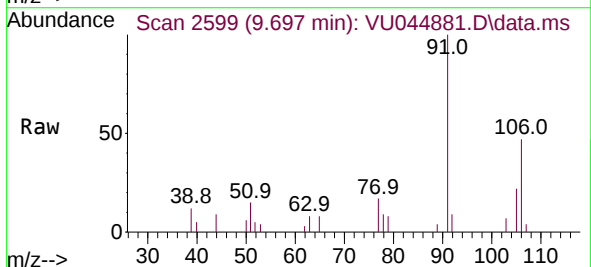
Instrument :
MSVOA_U
ClientSampled :
MW-4

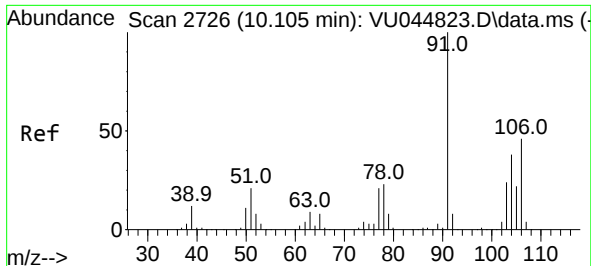
Tgt Ion:117 Resp: 328469
Ion Ratio Lower Upper
117 100
82 60.4 47.8 71.8
119 32.1 25.8 38.6



#68
m/p-Xylenes
Concen: 0.625 ug/l
RT: 9.697 min Scan# 2599
Delta R.T. 0.000 min
Lab File: VU044881.D
Acq: 26 Sep 2021 09:22

Tgt Ion:106 Resp: 2908
Ion Ratio Lower Upper
106 100
91 209.1 164.2 246.2

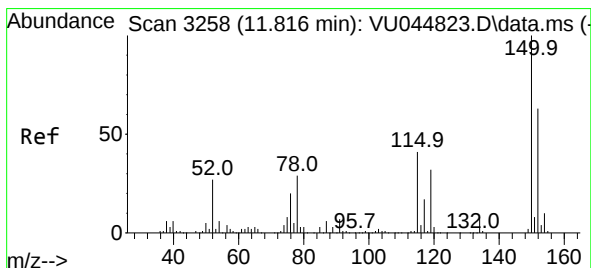
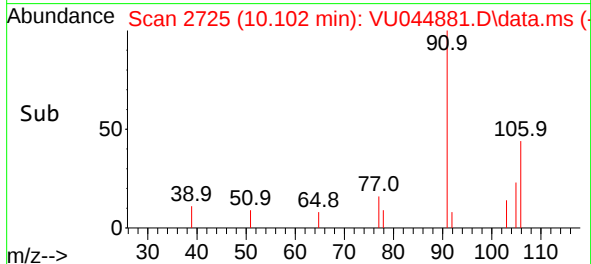
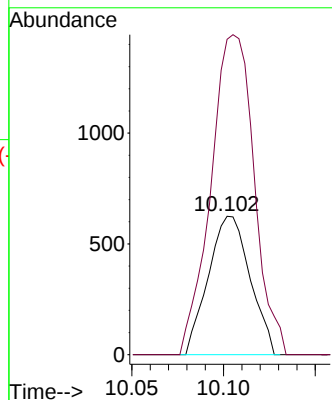
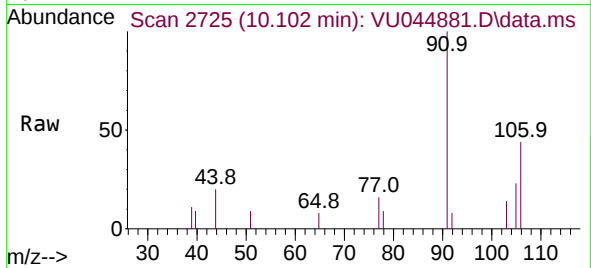




#69
o-Xylene
Concen: 0.219 ug/l
RT: 10.102 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU044881.D
Acq: 26 Sep 2021 09:22

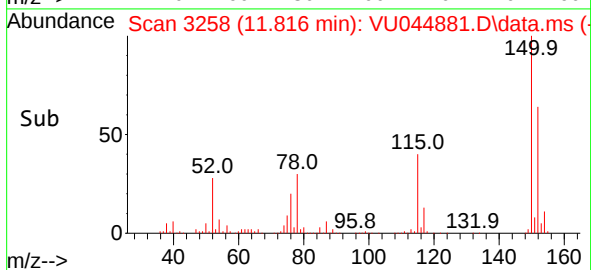
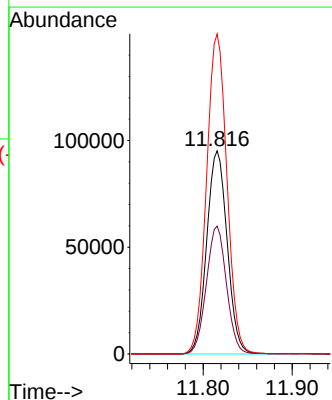
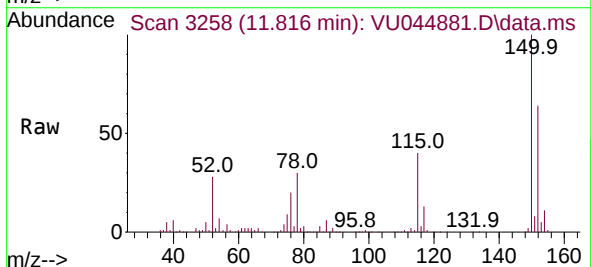
Instrument :
MSVOA_U
ClientSampled :
MW-4

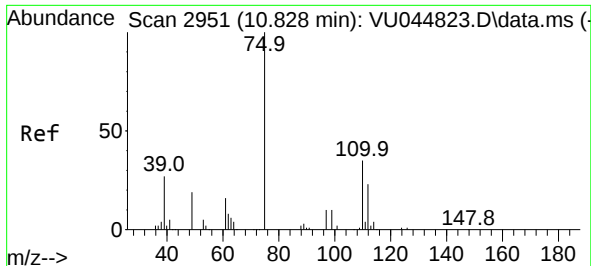
Tgt Ion:106 Resp: 988
Ion Ratio Lower Upper
106 100
91 240.3 108.9 326.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.000 min
Lab File: VU044881.D
Acq: 26 Sep 2021 09:22

Tgt Ion:152 Resp: 151672
Ion Ratio Lower Upper
152 100
115 61.9 43.5 130.7
150 156.6 0.0 350.0

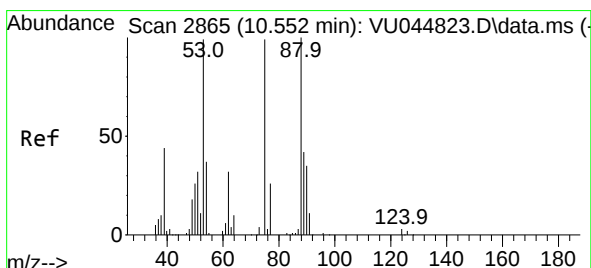
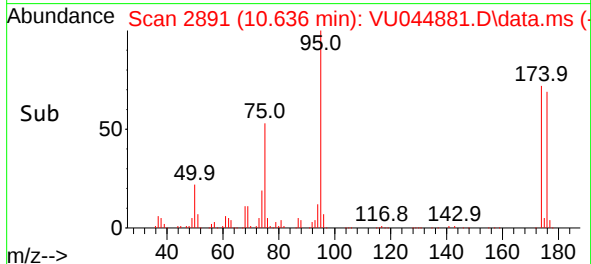
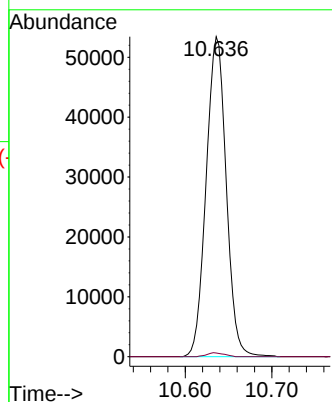
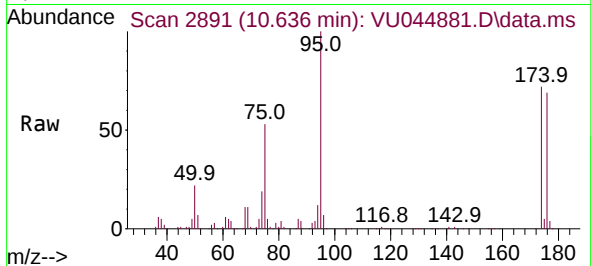




#76
1,2,3-Trichloropropane
Concen: 18.726 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU044881.D
Acq: 26 Sep 2021 09:22

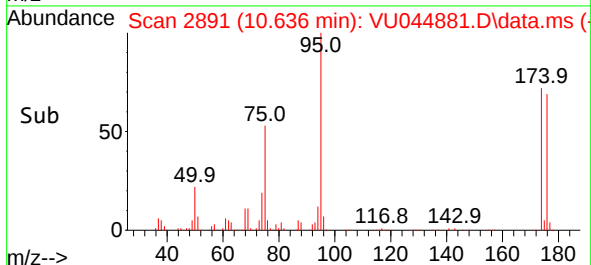
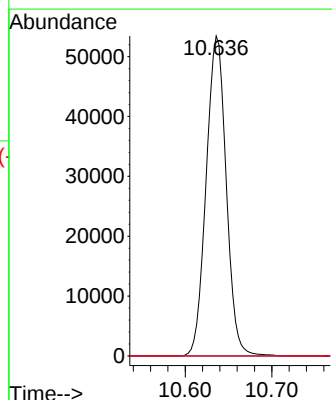
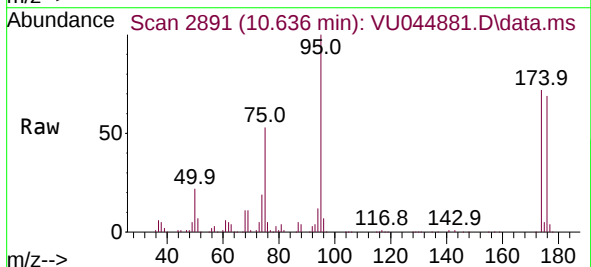
Instrument :
MSVOA_U
ClientSampled :
MW-4

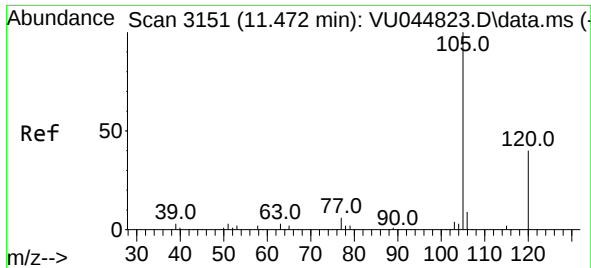
Tgt Ion: 75 Resp: 86006
Ion Ratio Lower Upper
75 100
77 1.1 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.662 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU044881.D
Acq: 26 Sep 2021 09:22

Tgt Ion: 75 Resp: 86006
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

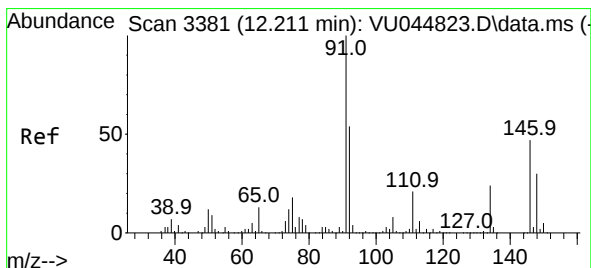
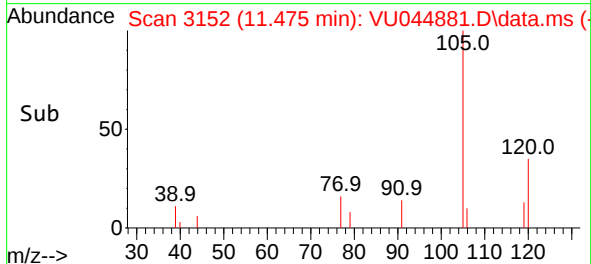
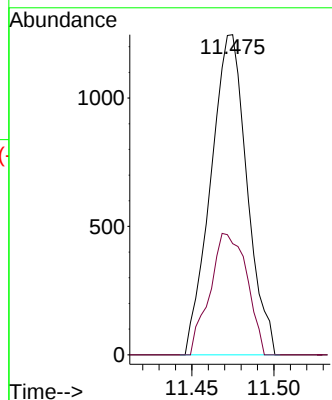
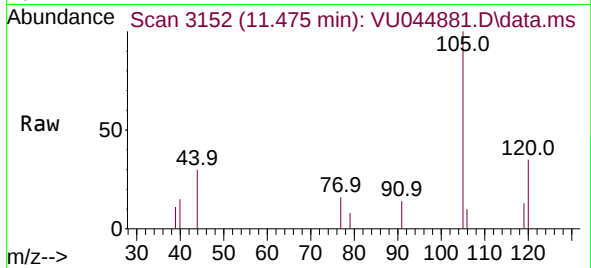




#84
1,2,4-Trimethylbenzene
Concen: 0.213 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VU044881.D
Acq: 26 Sep 2021 09:22

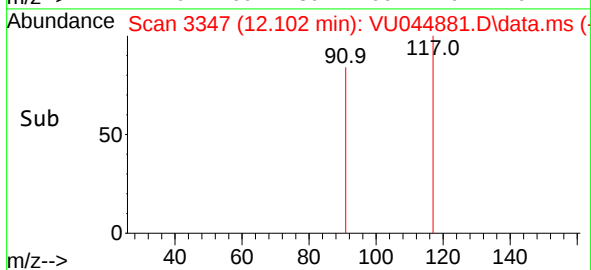
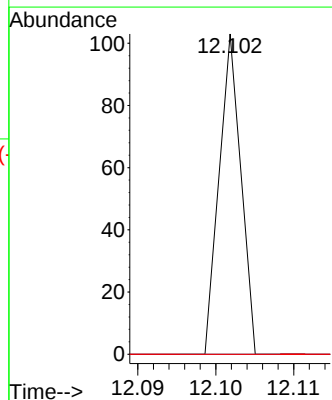
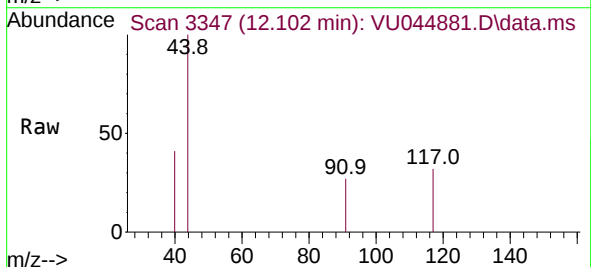
Instrument :
MSVOA_U
ClientSampled :
MW-4

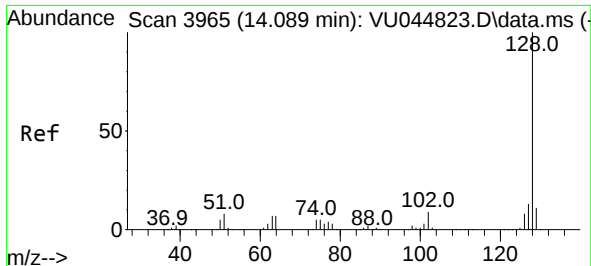
Tgt Ion:105 Resp: 1918
Ion Ratio Lower Upper
105 100
120 38.4 22.4 67.3



#89
n-Butylbenzene
Concen: 1.278 ug/l
RT: 12.102 min Scan# 3347
Delta R.T. -0.109 min
Lab File: VU044881.D
Acq: 26 Sep 2021 09:22

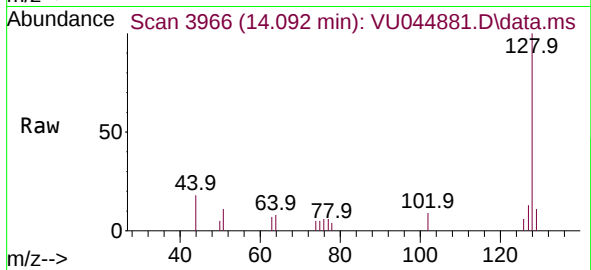
Tgt Ion: 91 Resp: 20
Ion Ratio Lower Upper
91 100
92 0.0 26.8 80.4#
134 0.0 11.8 35.4#





#95
Naphthalene
Concen: 1.337 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU044881.D
Acq: 26 Sep 2021 09:22

Instrument :
MSVOA_U
ClientSampleId :
MW-4



Tgt Ion	Ratio	Lower	Upper
128	100		
127	9.3	10.4	15.6#
129	9.6	8.6	13.0

