

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092521\
 Data File : VU044880.D
 Acq On : 26 Sep 2021 08:59
 Operator : SY/MD
 Sample : M3893-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-3

Quant Time: Sep 27 03:20:42 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)

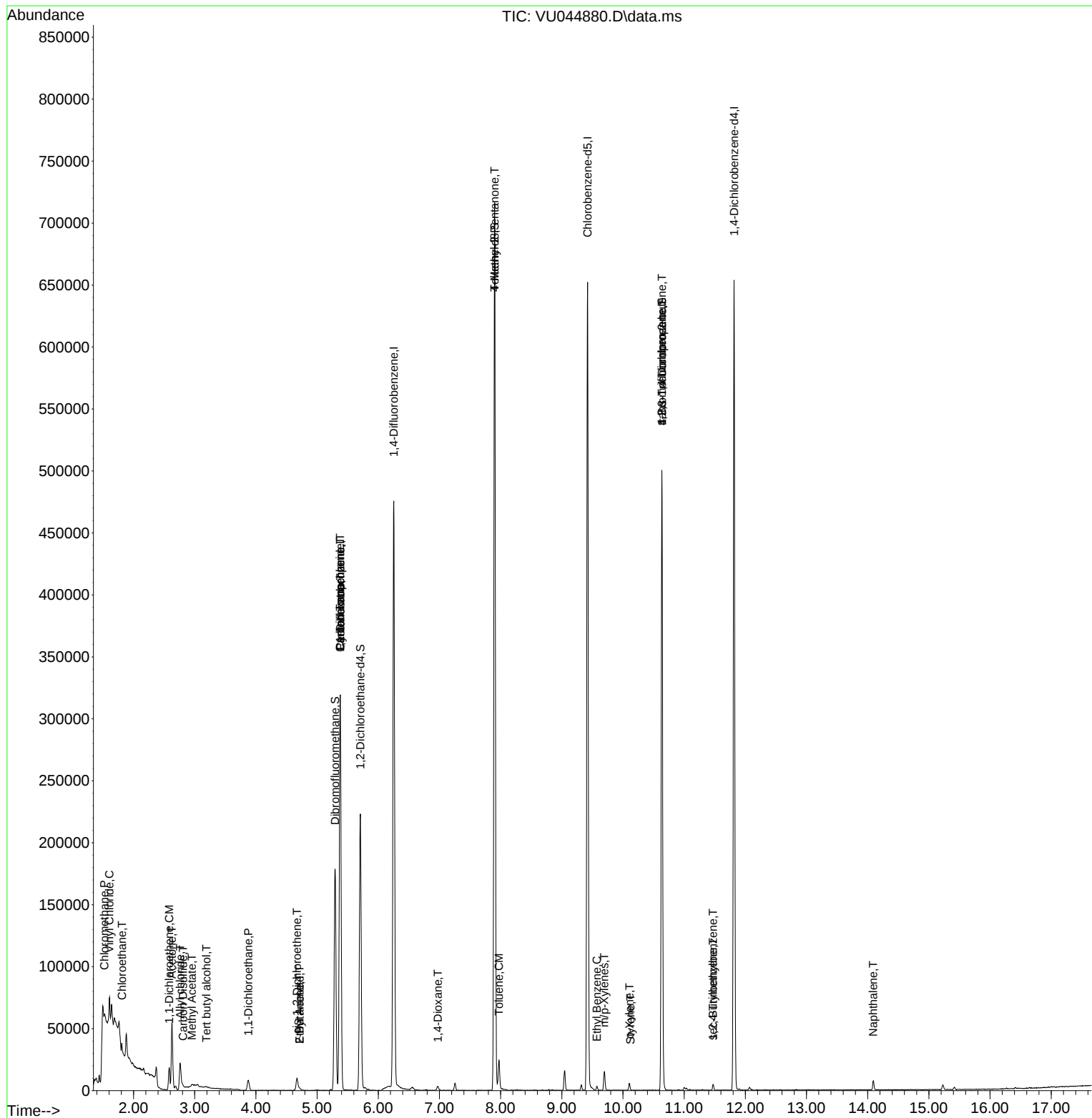
Internal Standards						
1) Pentafluorobenzene	5.379	168	208309	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	366246	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	336747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	157104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	166377	45.764	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.520%	
35) Dibromofluoromethane	5.295	113	115470	45.958	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.920%	
50) Toluene-d8	7.903	98	458977	48.368	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.740%	
62) 4-Bromofluorobenzene	10.636	95	165146	46.857	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.720%	
Target Compounds						Qvalue
3) Chloromethane	1.524	50	1180	0.312	ug/l #	79
4) Vinyl Chloride	1.607	62	10555	2.987	ug/l #	73
5) Bromomethane	1.848	94	299	Below Cal	#	63
6) Chloroethane	1.810	64	6405	2.348	ug/l #	56
11) Tert butyl alcohol	3.192	59	355	0.335	ug/l #	72
12) 1,1-Dichloroethene	2.585	96	5861	2.337	ug/l	94
14) Allyl chloride	2.761	41	2503	0.514	ug/l #	65
16) Acetone	2.626	43	59224	28.880	ug/l	99
17) Carbon Disulfide	2.806	76	6740	0.955	ug/l	99
18) Methyl Acetate	2.954	43	1764	0.257	ug/l	97
24) 1,1-Dichloroethane	3.877	63	9965	1.785	ug/l	98
25) 2-Butanone	4.713	43	3275	1.053	ug/l	97
27) cis-1,2-Dichloroethene	4.671	96	5057	1.548	ug/l	90
31) Cyclohexane	5.379	56	5401	1.035	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	19878	5.115	ug/l #	50
37) Ethyl Acetate	4.713	43	3275	0.574	ug/l #	69
38) Carbon Tetrachloride	5.375	117	21610	6.220	ug/l #	15
49) 1,4-Dioxane	6.973	88	2485	25.824	ug/l #	86
51) 4-Methyl-2-Pentanone	7.899	43	2492	0.438	ug/l #	1
52) Toluene	7.973	92	8911	1.258	ug/l	92
67) Ethyl Benzene	9.575	91	2700	0.216	ug/l	99
68) m/p-Xylenes	9.694	106	4260	0.893	ug/l	91
69) o-Xylene	10.105	106	1600	0.347	ug/l	93
70) Styrene	10.121	104	64	1.018	ug/l #	1
76) 1,2,3-Trichloropropane	10.636	75	90212	18.963	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	90212	61.428	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.472	105	2882	0.310	ug/l	93
85) sec-Butylbenzene	11.472	105	2882	0.245	ug/l #	58
95) Naphthalene	14.089	128	6242	1.451	ug/l	97

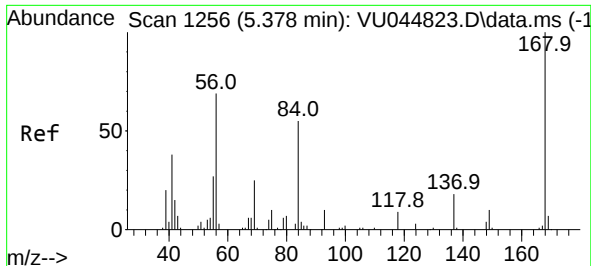
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092521\
Data File : VU044880.D
Acq On : 26 Sep 2021 08:59
Operator : SY/MD
Sample : M3893-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 55 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MW-3

Quant Time: Sep 27 03:20:42 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

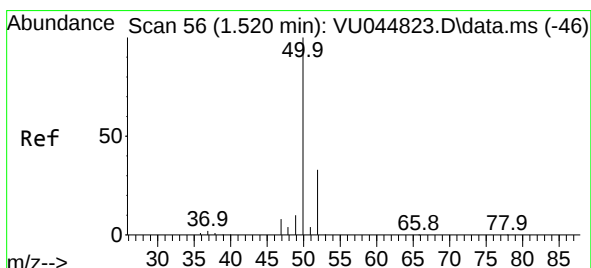
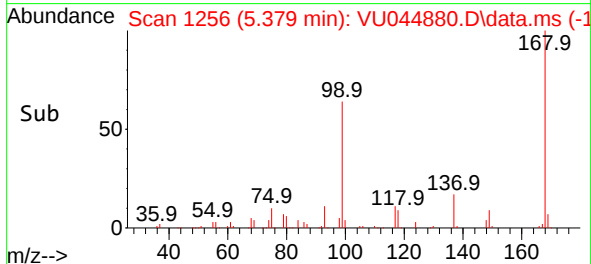
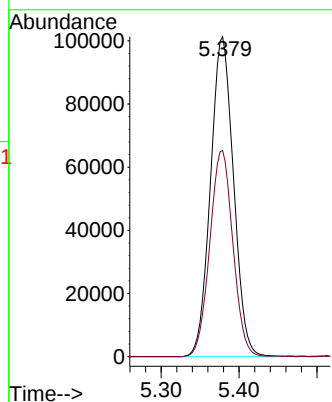
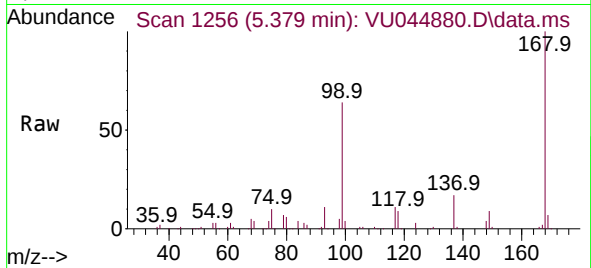




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. 0.001 min
Lab File: VU044880.D
Acq: 26 Sep 2021 08:59

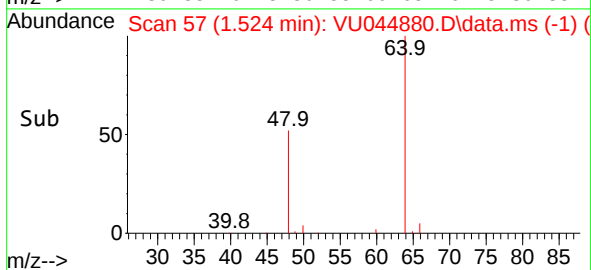
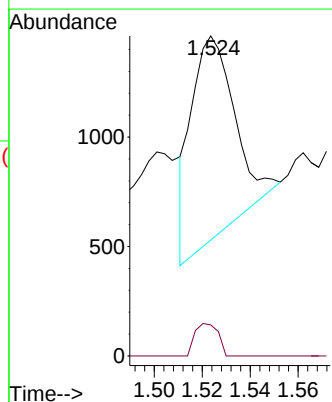
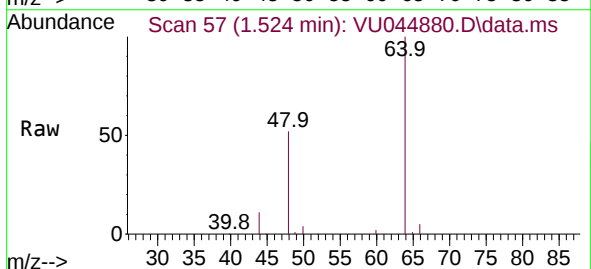
Instrument :
MSVOA_U
ClientSampled :
MW-3

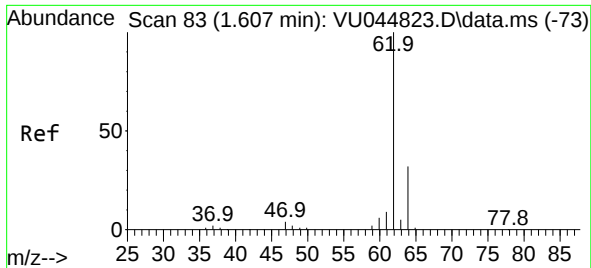
Tgt Ion:168 Resp: 208309
Ion Ratio Lower Upper
168 100
99 64.5 51.4 77.0



#3
Chloromethane
Concen: 0.312 ug/l
RT: 1.524 min Scan# 57
Delta R.T. 0.004 min
Lab File: VU044880.D
Acq: 26 Sep 2021 08:59

Tgt Ion: 50 Resp: 1180
Ion Ratio Lower Upper
50 100
52 21.3 26.3 39.5#

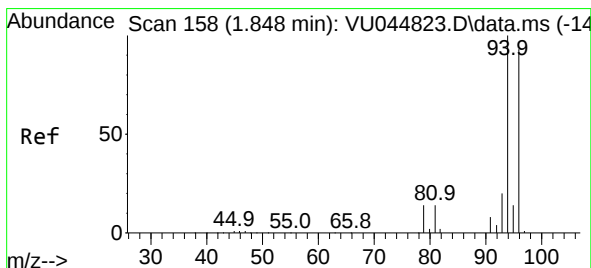
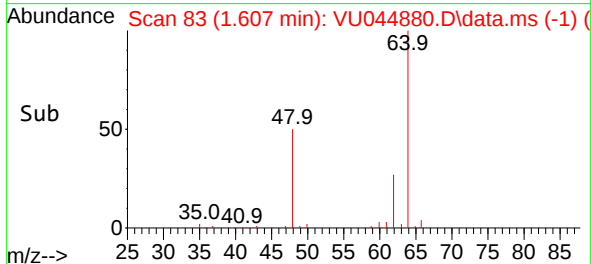
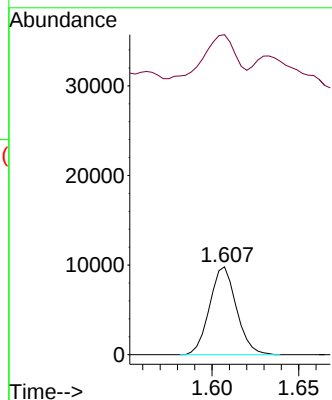
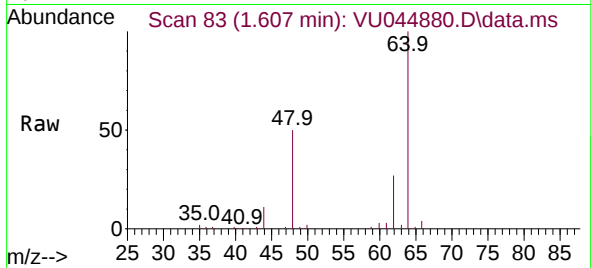




#4
 Vinyl Chloride
 Concen: 2.987 ug/l
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU044880.D
 Acq: 26 Sep 2021 08:59

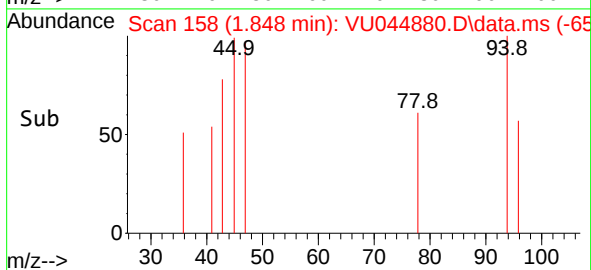
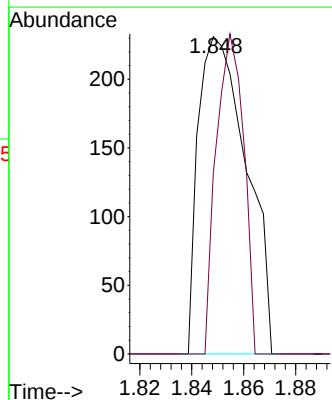
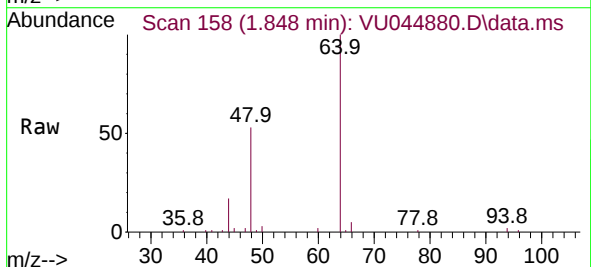
Instrument :
 MSVOA_U
 ClientSampled :
 MW-3

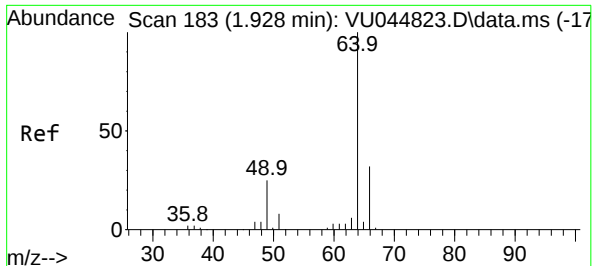
Tgt Ion: 62 Resp: 10555
 Ion Ratio Lower Upper
 62 100
 64 46.9 25.6 38.4#



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.848 min Scan# 158
 Delta R.T. 0.000 min
 Lab File: VU044880.D
 Acq: 26 Sep 2021 08:59

Tgt Ion: 94 Resp: 299
 Ion Ratio Lower Upper
 94 100
 96 57.1 74.5 111.7#

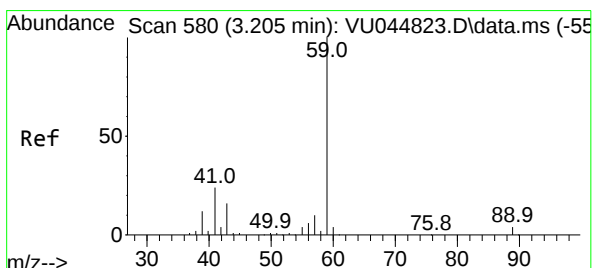
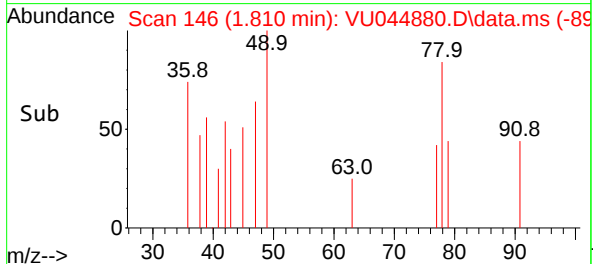
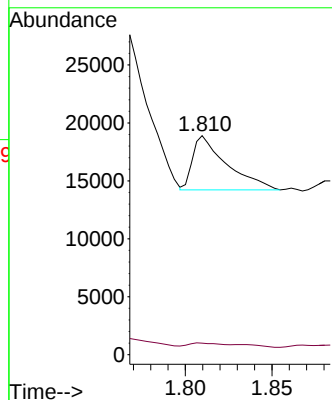
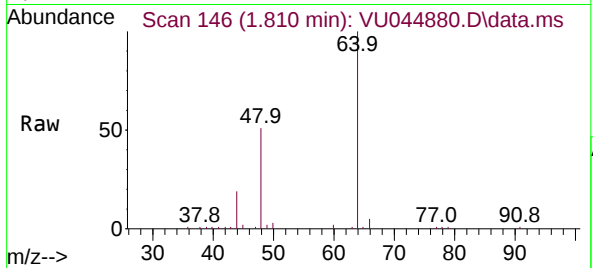




#6
Chloroethane
Concen: 2.348 ug/l
RT: 1.810 min Scan# 146
Delta R.T. -0.118 min
Lab File: VU044880.D
Acq: 26 Sep 2021 08:59

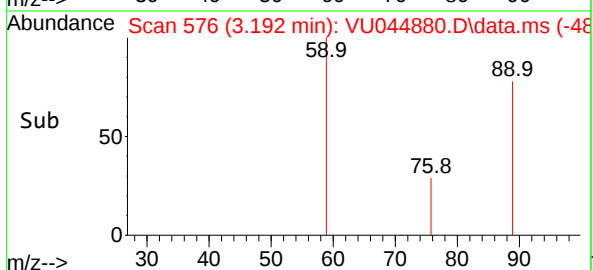
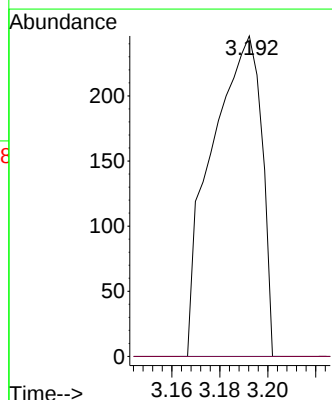
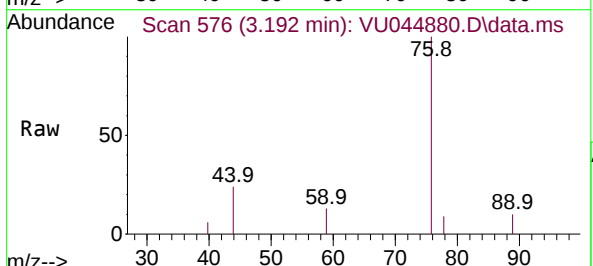
Instrument :
MSVOA_U
ClientSampleId :
MW-3

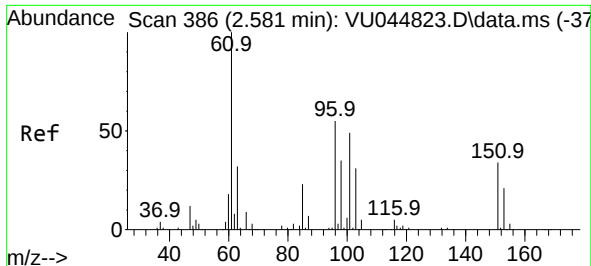
Tgt Ion: 64 Resp: 6405
Ion Ratio Lower Upper
64 100
66 7.7 25.8 38.8#



#11
Tert butyl alcohol
Concen: 0.335 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.013 min
Lab File: VU044880.D
Acq: 26 Sep 2021 08:59

Tgt Ion: 59 Resp: 355
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

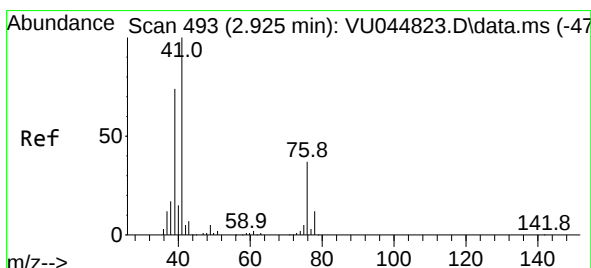
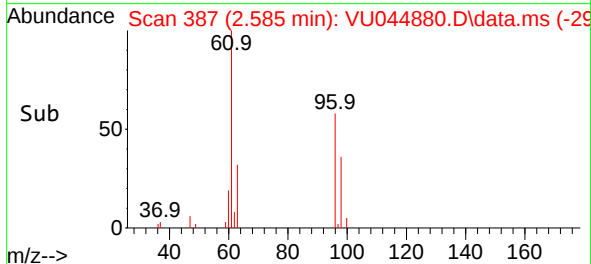
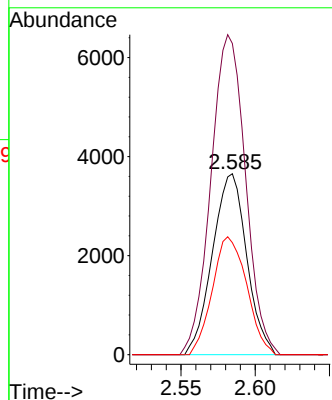
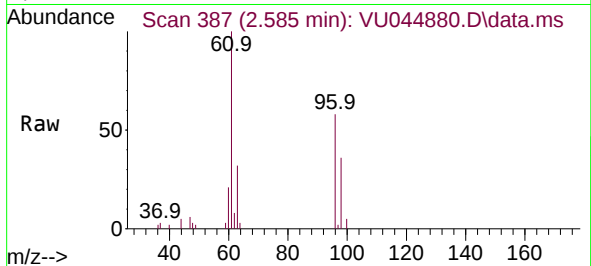




#12
1,1-Dichloroethene
Concen: 2.337 ug/l
RT: 2.585 min Scan# 387
Delta R.T. 0.003 min
Lab File: VU044880.D
Acq: 26 Sep 2021 08:59

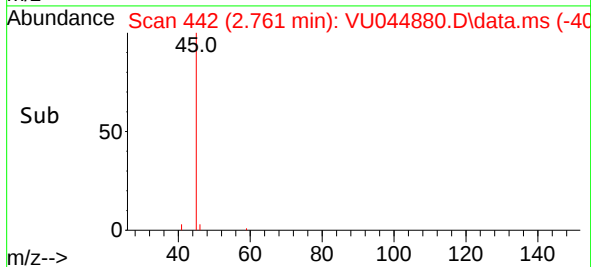
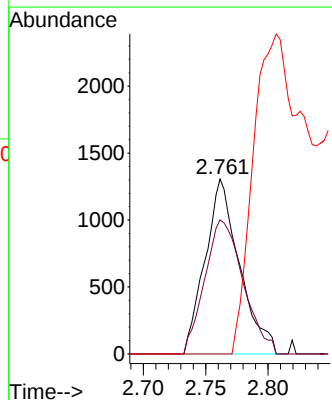
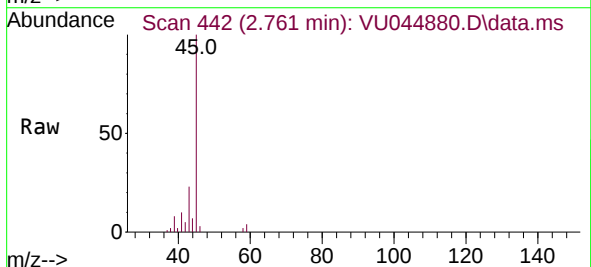
Instrument :
MSVOA_U
ClientSampled :
MW-3

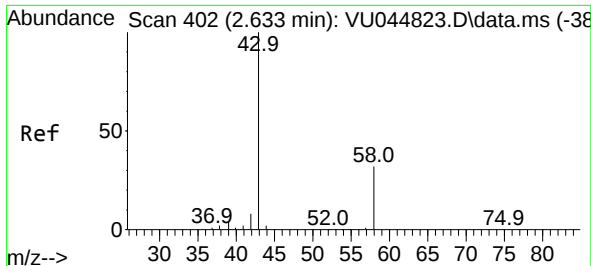
Tgt Ion: 96 Resp: 5861
Ion Ratio Lower Upper
96 100
61 172.0 145.4 218.0
98 61.9 50.9 76.3



#14
Allyl chloride
Concen: 0.514 ug/l
RT: 2.761 min Scan# 442
Delta R.T. -0.164 min
Lab File: VU044880.D
Acq: 26 Sep 2021 08:59

Tgt Ion: 41 Resp: 2503
Ion Ratio Lower Upper
41 100
39 85.5 53.0 79.6#
76 0.0 25.7 38.5#

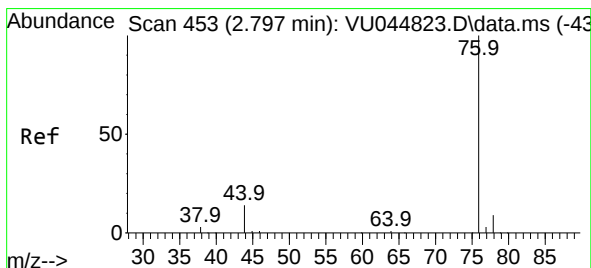
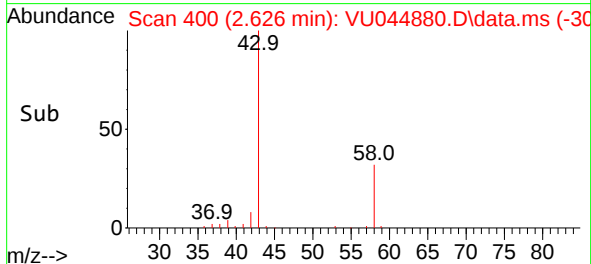
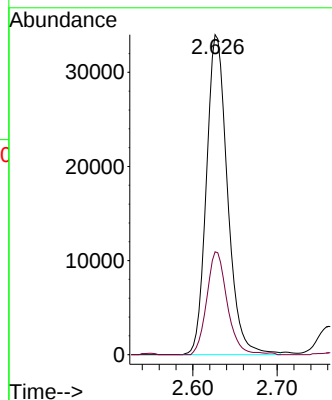
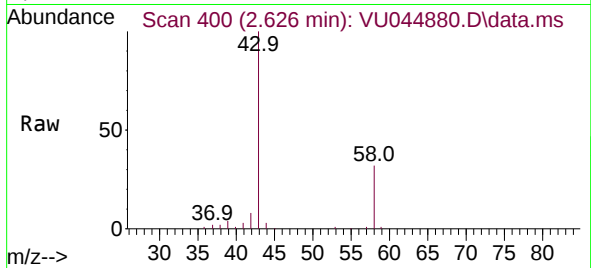




#16
Acetone
Concen: 28.880 ug/l
RT: 2.626 min Scan# 400
Delta R.T. -0.006 min
Lab File: VU044880.D
Acq: 26 Sep 2021 08:59

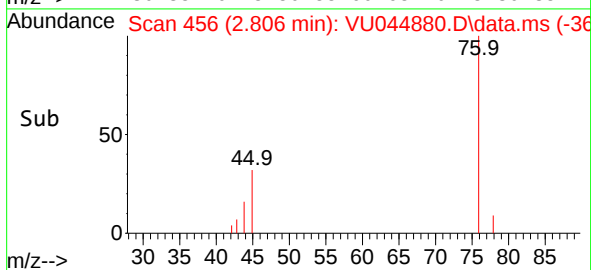
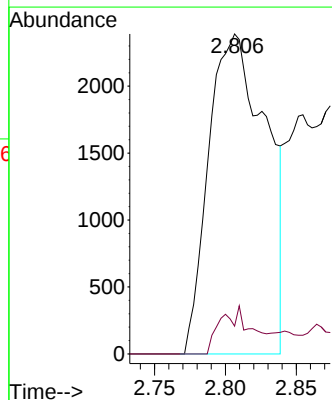
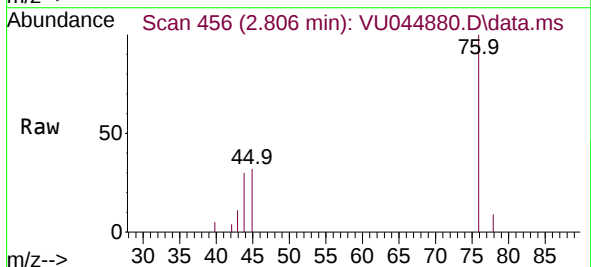
Instrument :
MSVOA_U
ClientSampled :
MW-3

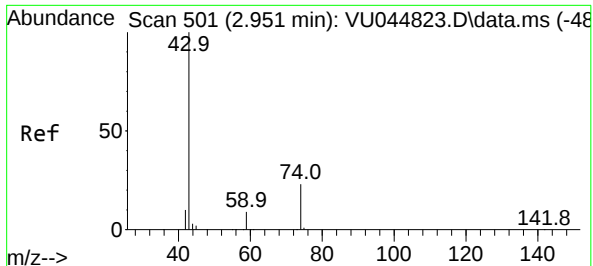
Tgt Ion: 43 Resp: 59224
Ion Ratio Lower Upper
43 100
58 32.1 25.2 37.8



#17
Carbon Disulfide
Concen: 0.955 ug/l
RT: 2.806 min Scan# 456
Delta R.T. 0.010 min
Lab File: VU044880.D
Acq: 26 Sep 2021 08:59

Tgt Ion: 76 Resp: 6740
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0





#18

Methyl Acetate

Concen: 0.257 ug/l

RT: 2.954 min Scan# 502

Delta R.T. 0.003 min

Lab File: VU044880.D

Acq: 26 Sep 2021 08:59

Instrument :

MSVOA_U

ClientSampled :

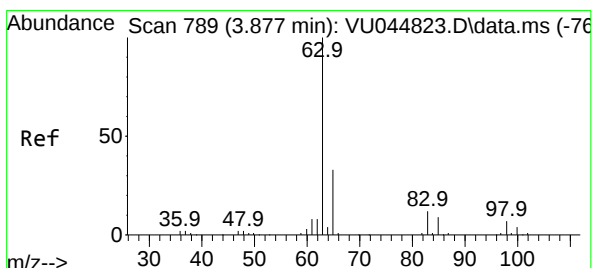
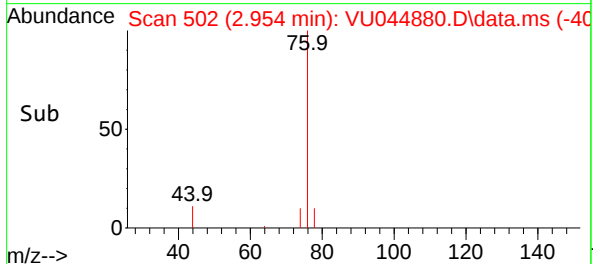
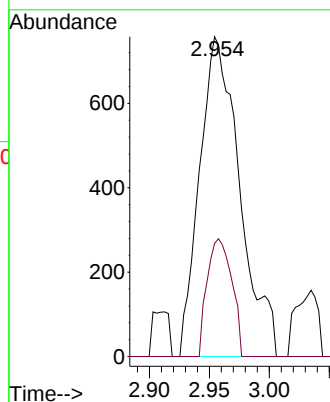
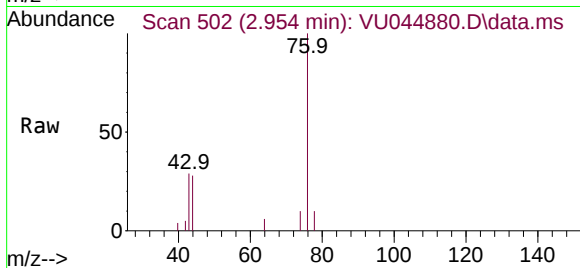
MW-3

Tgt Ion: 43 Resp: 1764

Ion Ratio Lower Upper

43 100

74 22.5 19.0 28.6



#24

1,1-Dichloroethane

Concen: 1.785 ug/l

RT: 3.877 min Scan# 789

Delta R.T. 0.000 min

Lab File: VU044880.D

Acq: 26 Sep 2021 08:59

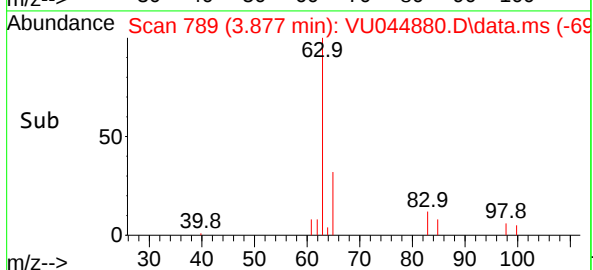
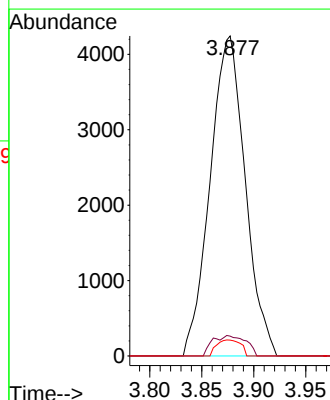
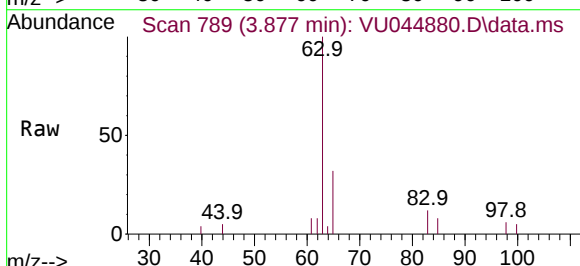
Tgt Ion: 63 Resp: 9965

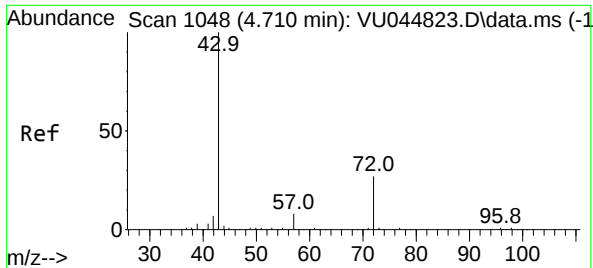
Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.4

100 5.0 2.1 6.3

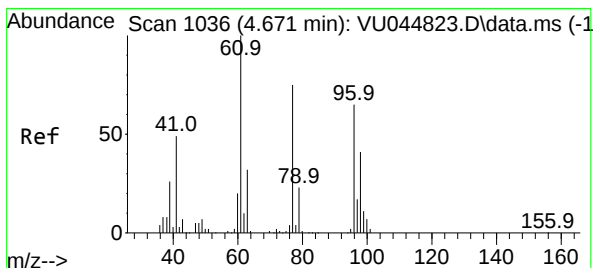
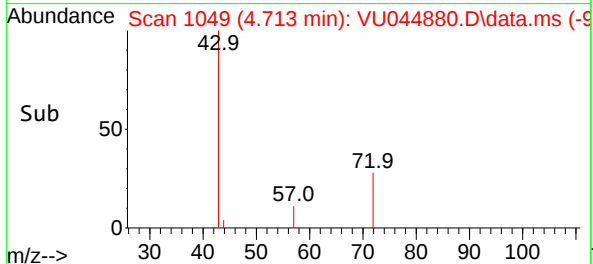
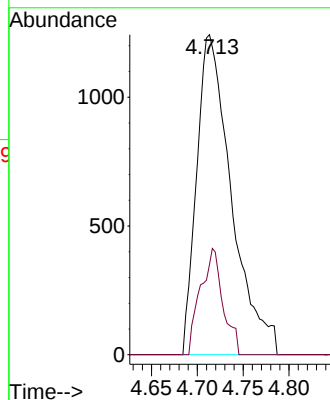
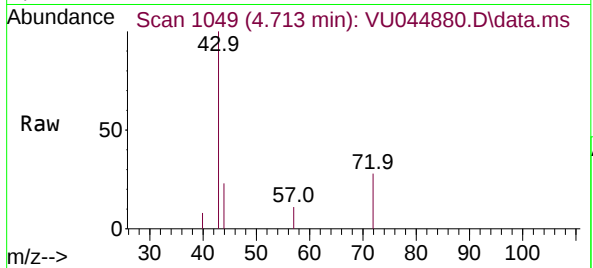




#25
2-Butanone
Concen: 1.053 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. 0.003 min
Lab File: VU044880.D
Acq: 26 Sep 2021 08:59

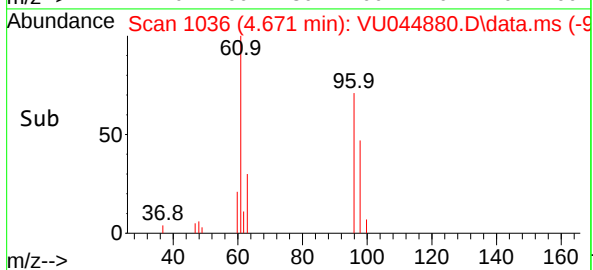
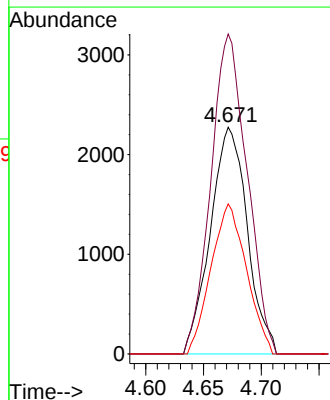
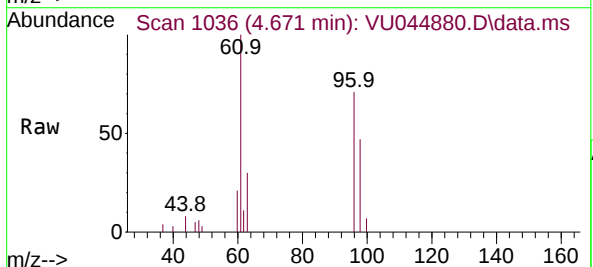
Instrument :
MSVOA_U
ClientSampled :
MW-3

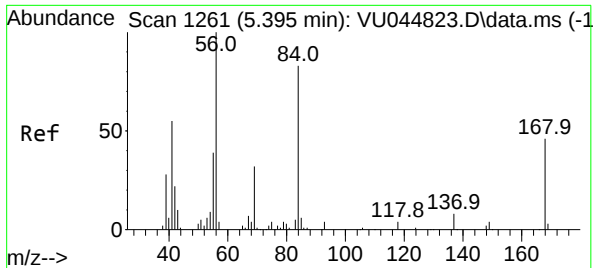
Tgt Ion: 43 Resp: 3275
Ion Ratio Lower Upper
43 100
72 28.2 21.3 31.9



#27
cis-1,2-Dichloroethene
Concen: 1.548 ug/l
RT: 4.671 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VU044880.D
Acq: 26 Sep 2021 08:59

Tgt Ion: 96 Resp: 5057
Ion Ratio Lower Upper
96 100
61 138.6 0.0 313.4
98 63.6 0.0 127.0

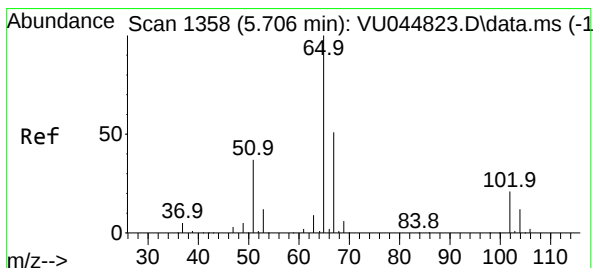
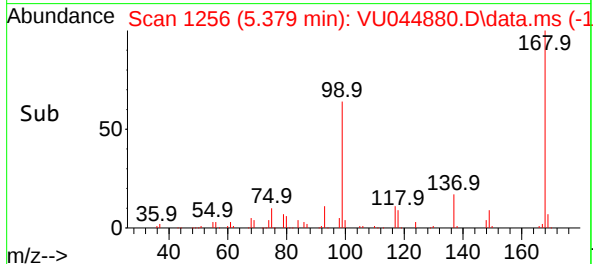
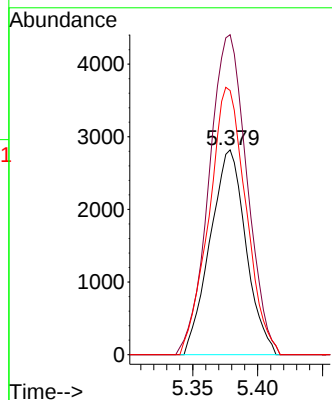
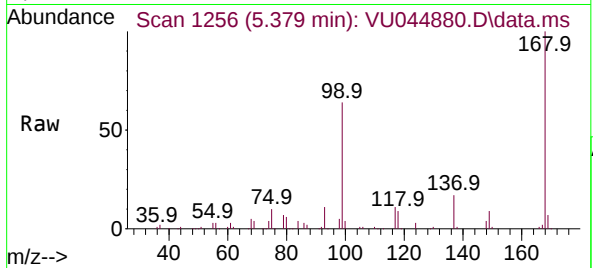




#31
Cyclohexane
Concen: 1.035 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.016 min
Lab File: VU044880.D
Acq: 26 Sep 2021 08:59

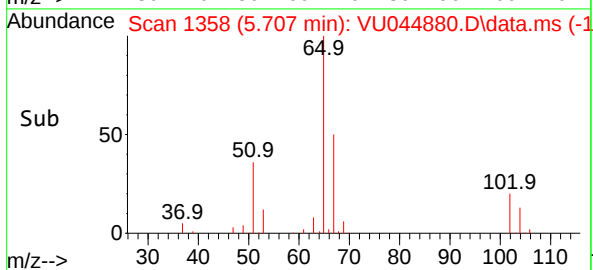
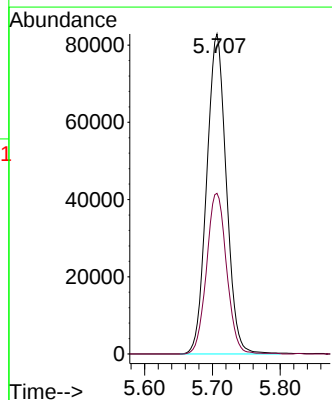
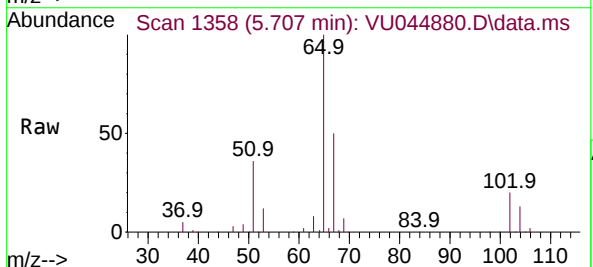
Instrument :
MSVOA_U
ClientSampled :
MW-3

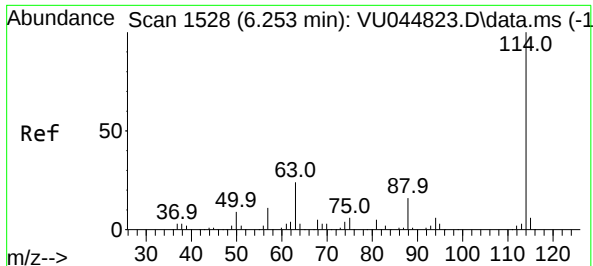
Tgt Ion: 56 Resp: 5401
Ion Ratio Lower Upper
56 100
69 156.3 25.2 37.8#
84 129.1 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 45.764 ug/l
RT: 5.707 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VU044880.D
Acq: 26 Sep 2021 08:59

Tgt Ion: 65 Resp: 166377
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.8

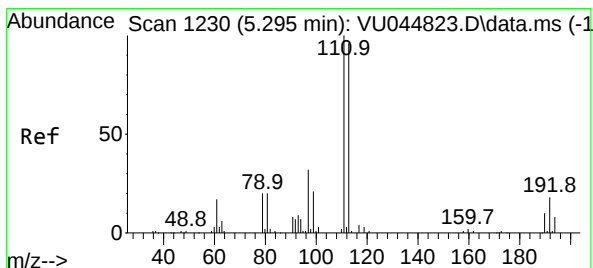
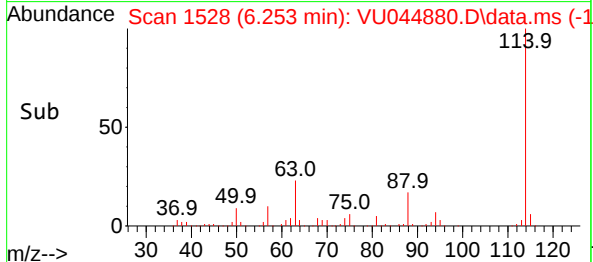
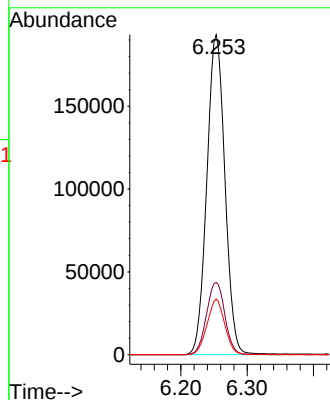
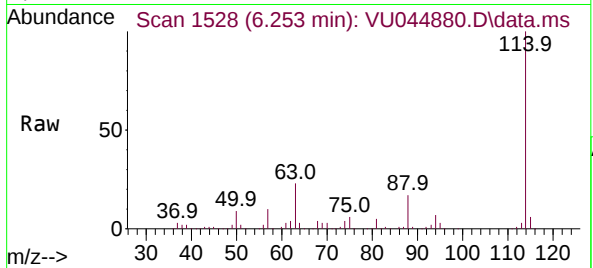




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. 0.000 min
Lab File: VU044880.D
Acq: 26 Sep 2021 08:59

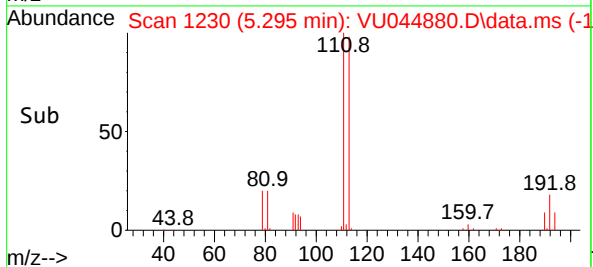
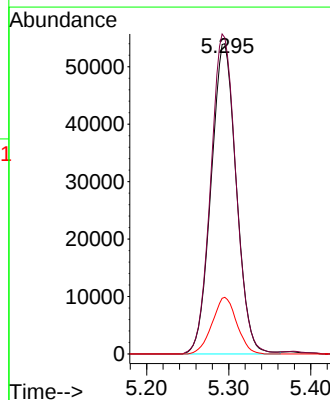
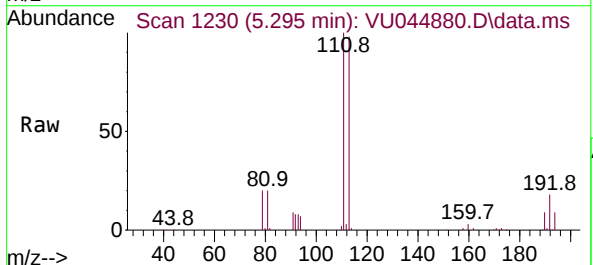
Instrument :
MSVOA_U
ClientSampled :
MW-3

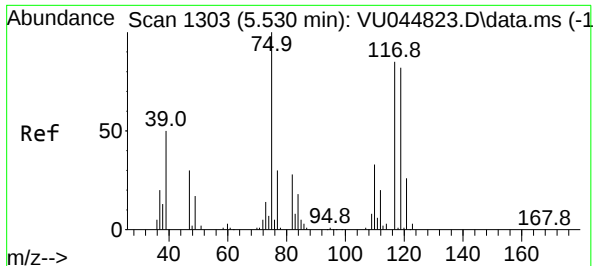
Tgt Ion:114 Resp: 366246
Ion Ratio Lower Upper
114 100
63 22.6 0.0 47.8
88 17.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 45.958 ug/l
RT: 5.295 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VU044880.D
Acq: 26 Sep 2021 08:59

Tgt Ion:113 Resp: 115470
Ion Ratio Lower Upper
113 100
111 103.1 84.1 126.1
192 17.8 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.115 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.154 min

Lab File: VU044880.D

Acq: 26 Sep 2021 08:59

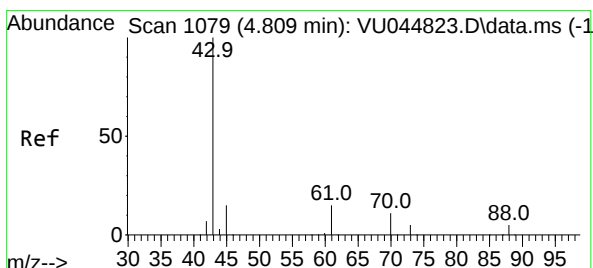
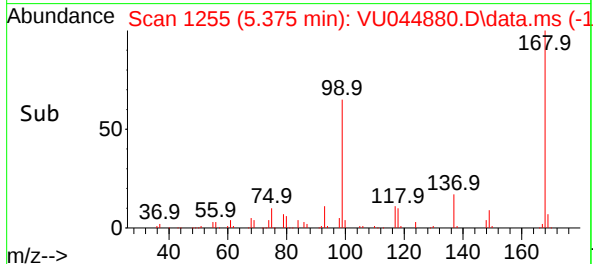
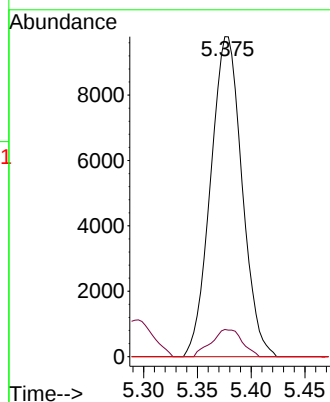
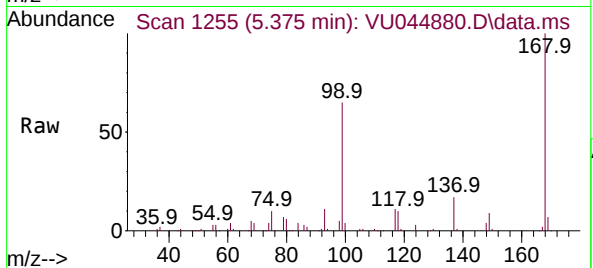
Instrument :

MSVOA_U

ClientSampled :

MW-3

Tgt Ion:	75	Resp:	19878
Ion	Ratio	Lower	Upper
75	100		
110	8.3	16.3	48.9#
77	0.0	25.0	37.4#



#37

Ethyl Acetate

Concen: 0.574 ug/l

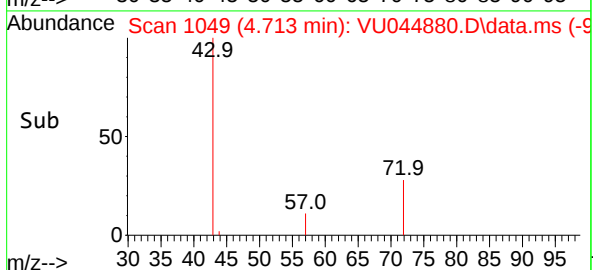
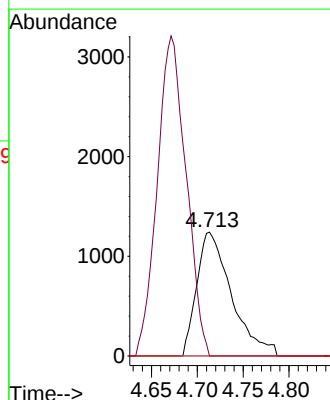
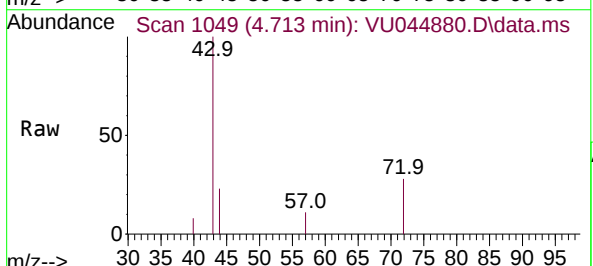
RT: 4.713 min Scan# 1049

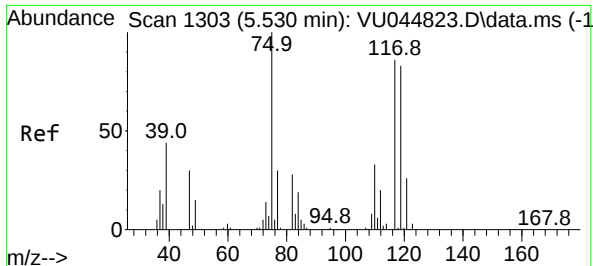
Delta R.T. -0.096 min

Lab File: VU044880.D

Acq: 26 Sep 2021 08:59

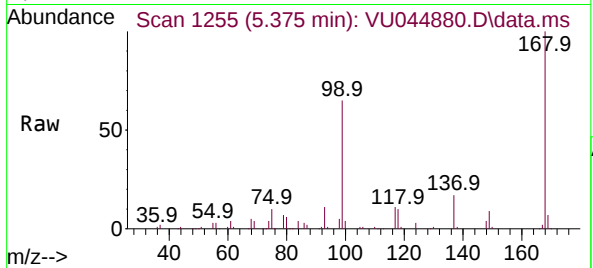
Tgt Ion:	43	Resp:	3275
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	0.0	8.2	12.4#



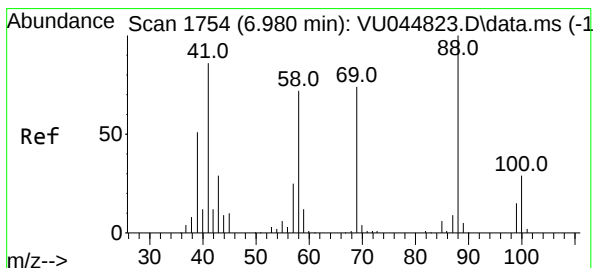
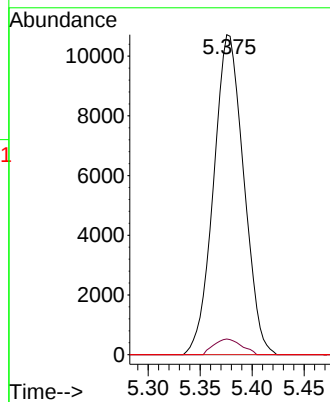
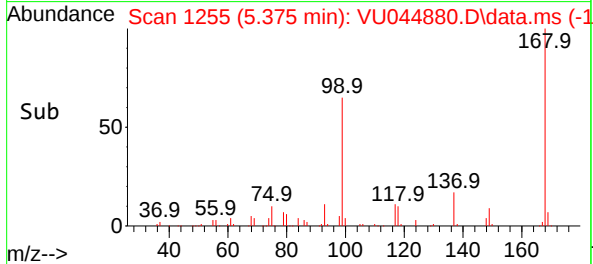


#38
Carbon Tetrachloride
Concen: 6.220 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.154 min
Lab File: VU044880.D
Acq: 26 Sep 2021 08:59

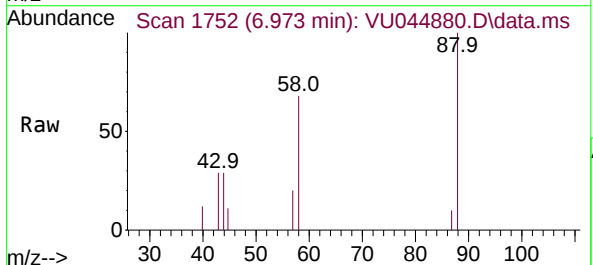
Instrument :
MSVOA_U
ClientSampled :
MW-3



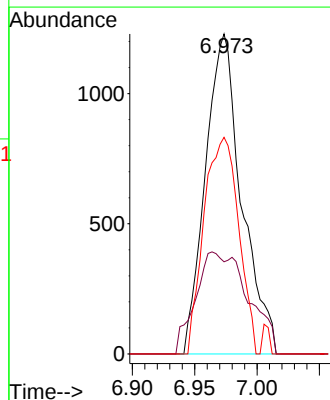
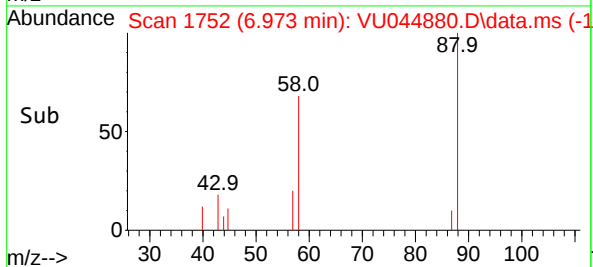
Tgt Ion: 117 Resp: 21610
Ion Ratio Lower Upper
117 100
119 4.9 77.4 116.2#
121 0.0 24.5 36.7#

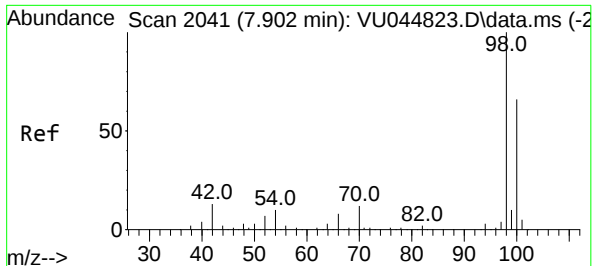


#49
1,4-Dioxane
Concen: 25.824 ug/l
RT: 6.973 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VU044880.D
Acq: 26 Sep 2021 08:59



Tgt Ion: 88 Resp: 2485
Ion Ratio Lower Upper
88 100
43 24.9 25.8 38.6#
58 64.7 61.3 91.9





#50

Toluene-d8

Concen: 48.368 ug/l

RT: 7.903 min Scan# 2041

Delta R.T. 0.000 min

Lab File: VU044880.D

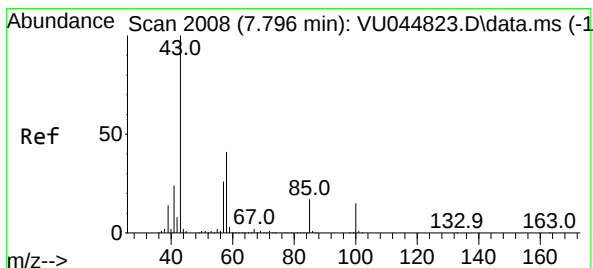
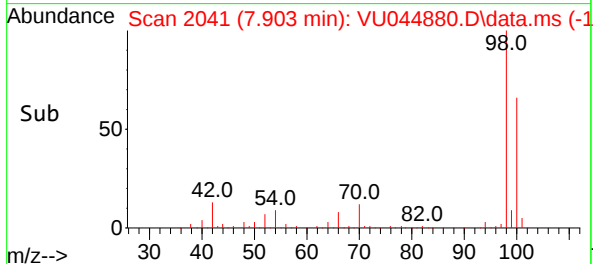
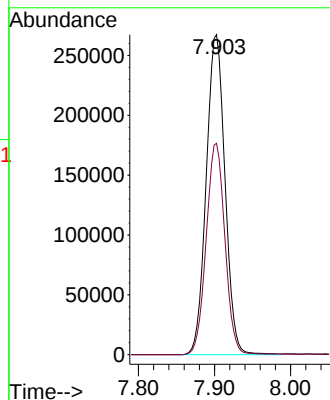
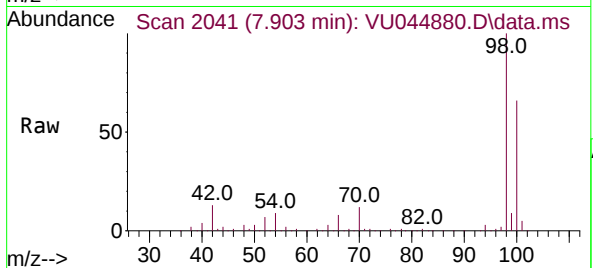
Acq: 26 Sep 2021 08:59

Tgt Ion: 98 Resp: 458977

Ion Ratio Lower Upper

98 100

100 65.8 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.438 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. 0.103 min

Lab File: VU044880.D

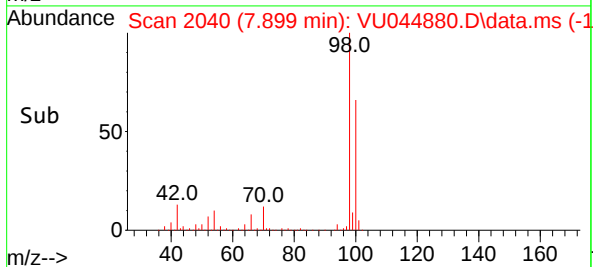
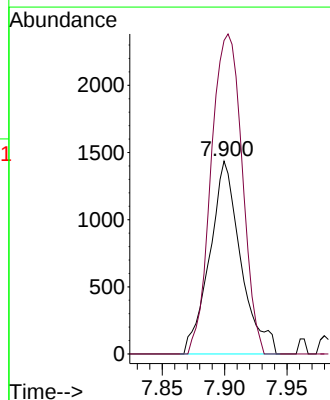
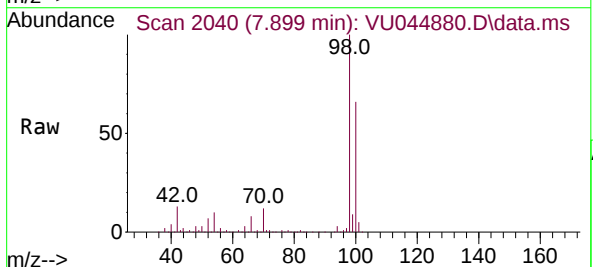
Acq: 26 Sep 2021 08:59

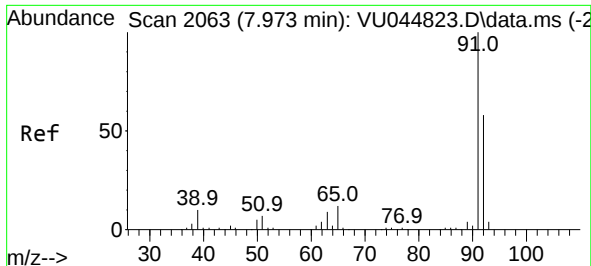
Tgt Ion: 43 Resp: 2492

Ion Ratio Lower Upper

43 100

58 165.6 32.4 48.6#

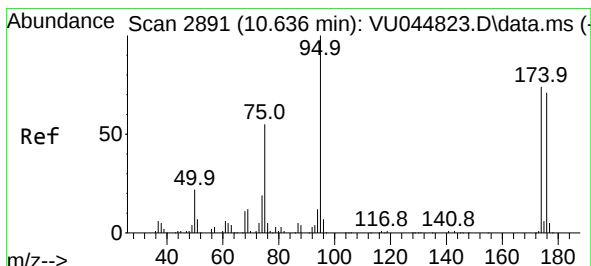
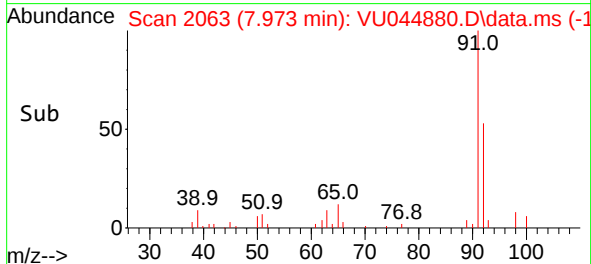
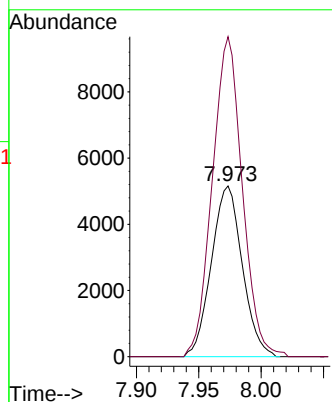
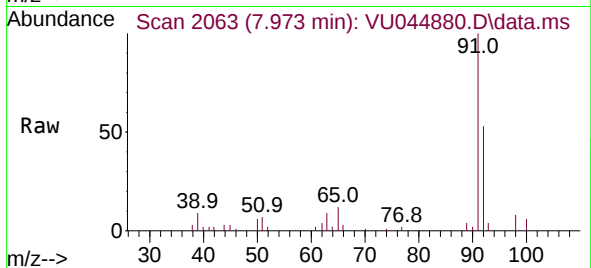




#52
Toluene
Concen: 1.258 ug/l
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU044880.D
Acq: 26 Sep 2021 08:59

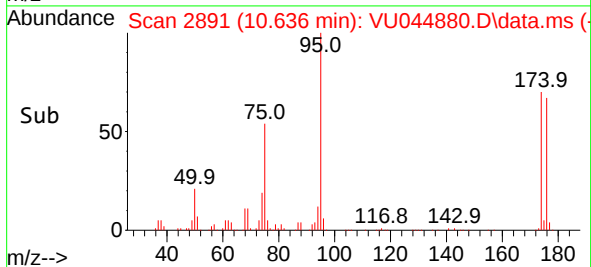
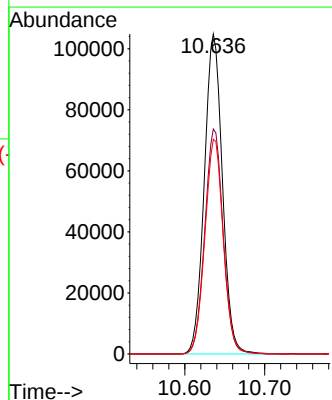
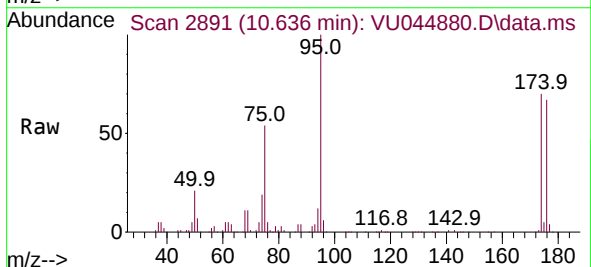
Instrument :
MSVOA_U
ClientSampled :
MW-3

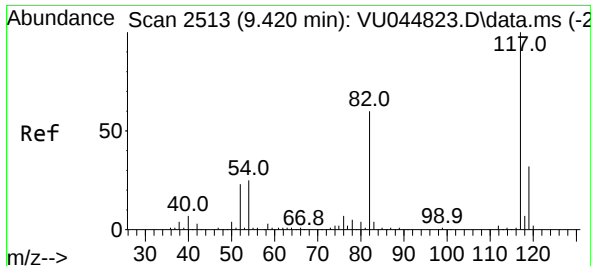
Tgt Ion: 92 Resp: 8911
Ion Ratio Lower Upper
92 100
91 181.5 136.9 205.3



#62
4-Bromofluorobenzene
Concen: 46.857 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU044880.D
Acq: 26 Sep 2021 08:59

Tgt Ion: 95 Resp: 165146
Ion Ratio Lower Upper
95 100
174 71.4 0.0 146.6
176 68.1 0.0 141.2

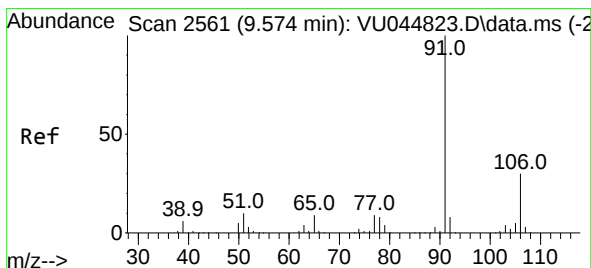
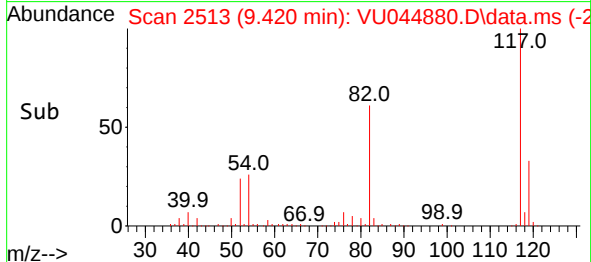
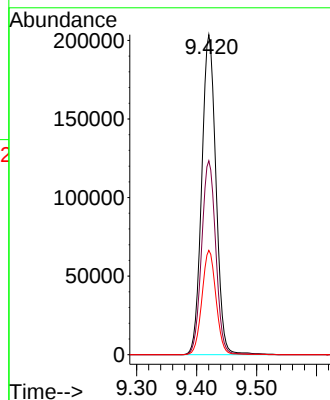
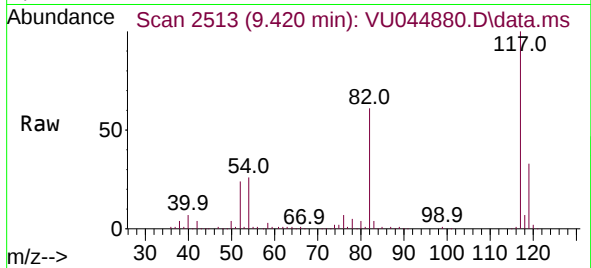




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU044880.D
Acq: 26 Sep 2021 08:59

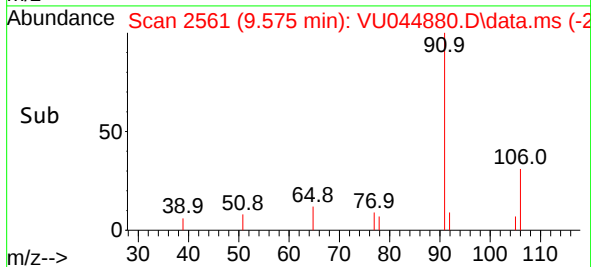
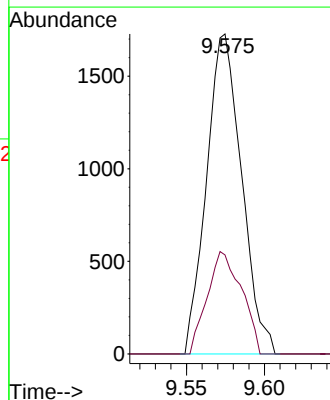
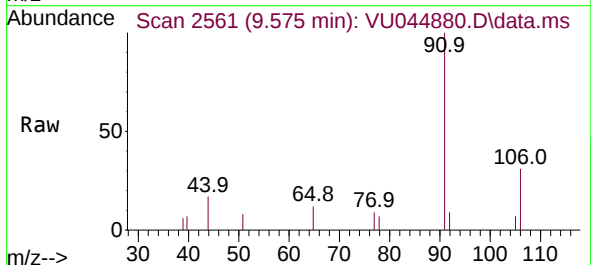
Instrument :
MSVOA_U
ClientSampled :
MW-3

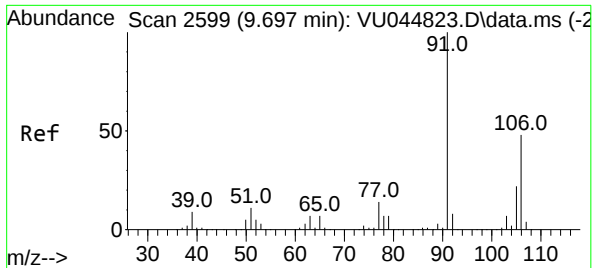
Tgt Ion:117 Resp: 336747
Ion Ratio Lower Upper
117 100
82 60.6 47.8 71.8
119 32.6 25.8 38.6



#67
Ethyl Benzene
Concen: 0.216 ug/l
RT: 9.575 min Scan# 2561
Delta R.T. 0.000 min
Lab File: VU044880.D
Acq: 26 Sep 2021 08:59

Tgt Ion: 91 Resp: 2700
Ion Ratio Lower Upper
91 100
106 31.0 24.3 36.5

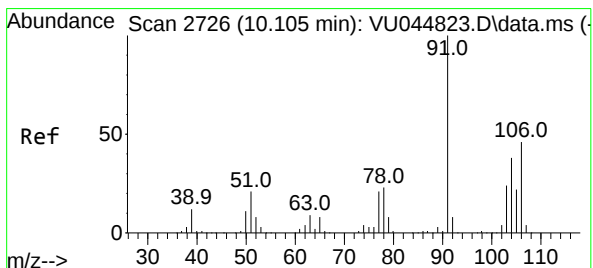
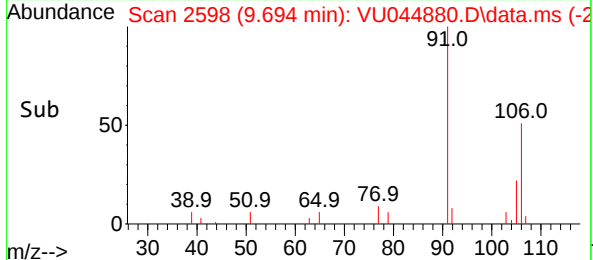
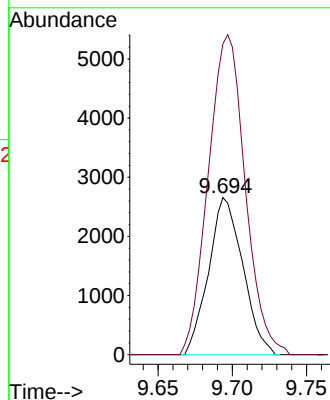
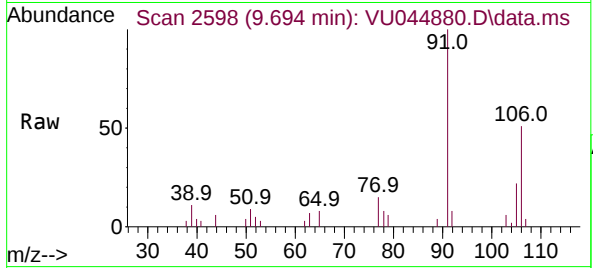




#68
m/p-Xylenes
Concen: 0.893 ug/l
RT: 9.694 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU044880.D
Acq: 26 Sep 2021 08:59

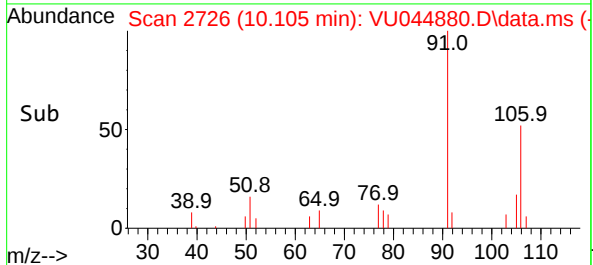
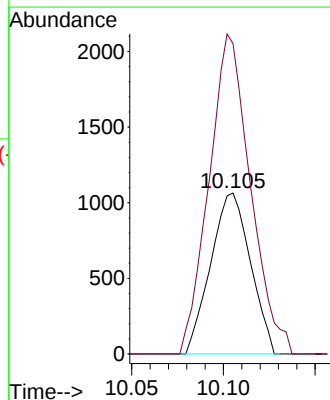
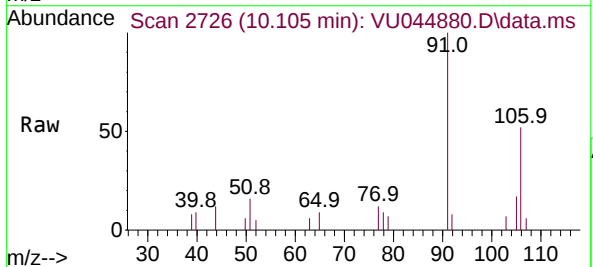
Instrument :
MSVOA_U
ClientSampled :
MW-3

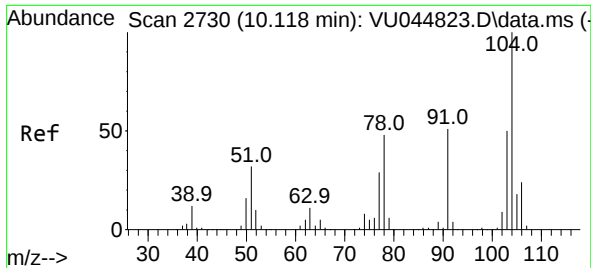
Tgt Ion:106 Resp: 4260
Ion Ratio Lower Upper
106 100
91 219.6 164.2 246.2



#69
o-Xylene
Concen: 0.347 ug/l
RT: 10.105 min Scan# 2726
Delta R.T. 0.000 min
Lab File: VU044880.D
Acq: 26 Sep 2021 08:59

Tgt Ion:106 Resp: 1600
Ion Ratio Lower Upper
106 100
91 207.1 108.9 326.7

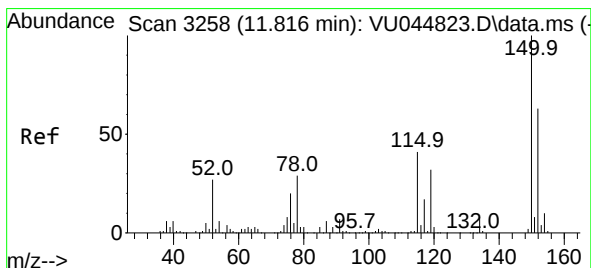
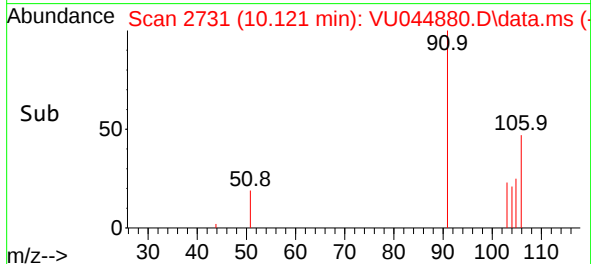
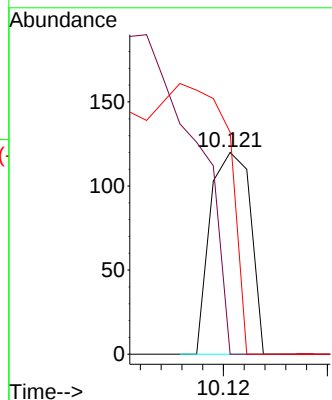
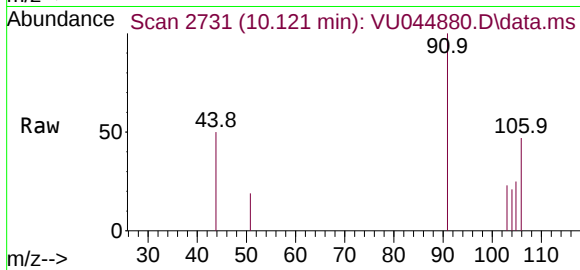




#70
Styrene
Concen: 1.018 ug/l
RT: 10.121 min Scan# 2731
Delta R.T. 0.003 min
Lab File: VU044880.D
Acq: 26 Sep 2021 08:59

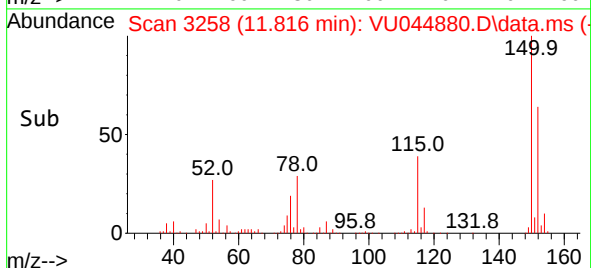
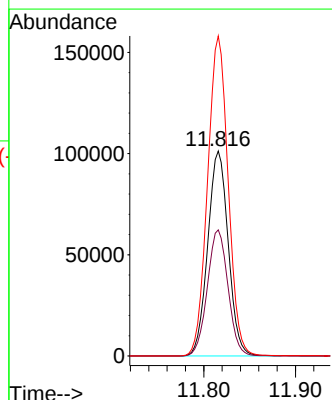
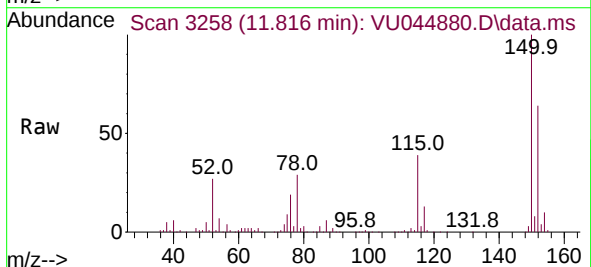
Instrument :
MSVOA_U
ClientSampled :
MW-3

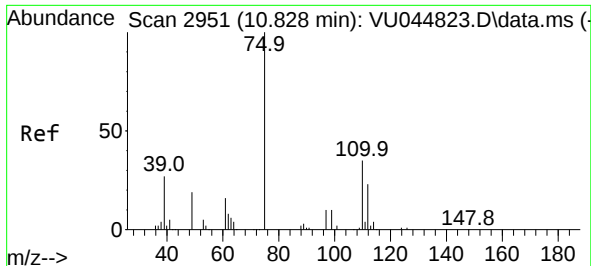
Tgt Ion:104 Resp: 64
Ion Ratio Lower Upper
104 100
78 353.1 41.4 62.0#
103 392.2 43.5 65.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.000 min
Lab File: VU044880.D
Acq: 26 Sep 2021 08:59

Tgt Ion:152 Resp: 157104
Ion Ratio Lower Upper
152 100
115 62.0 43.5 130.7
150 156.6 0.0 350.0

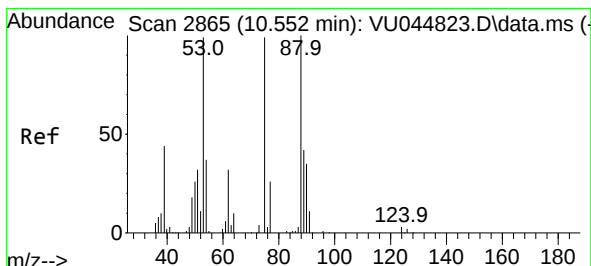
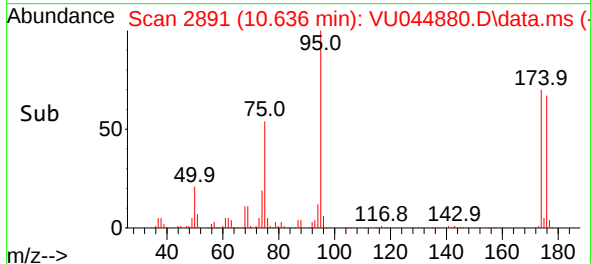
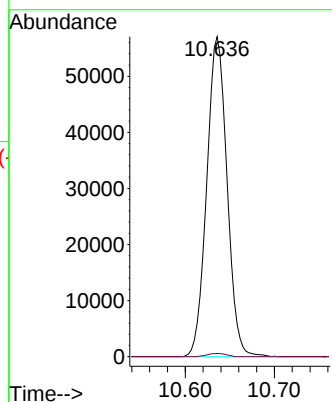
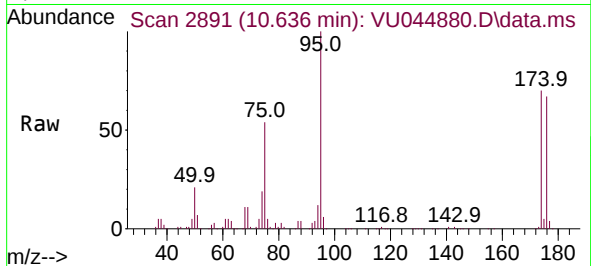




#76
1,2,3-Trichloropropane
Concen: 18.963 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU044880.D
Acq: 26 Sep 2021 08:59

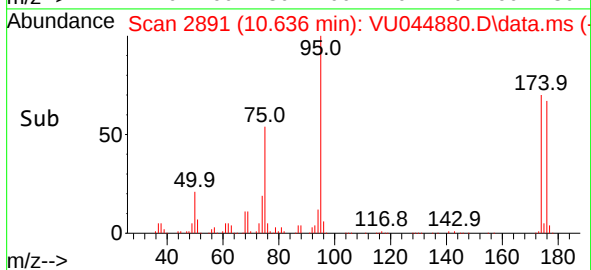
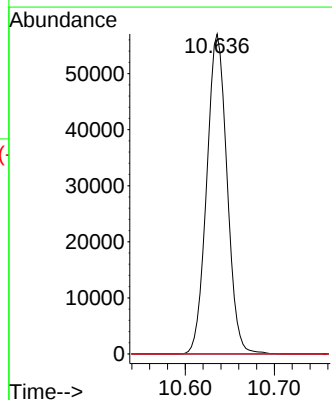
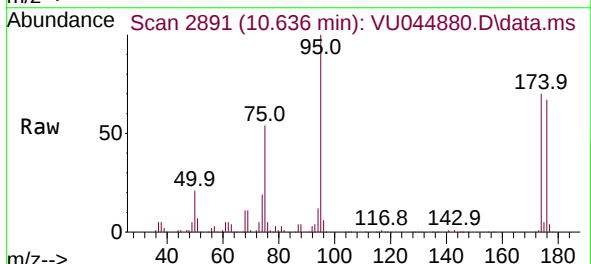
Instrument :
MSVOA_U
ClientSampled :
MW-3

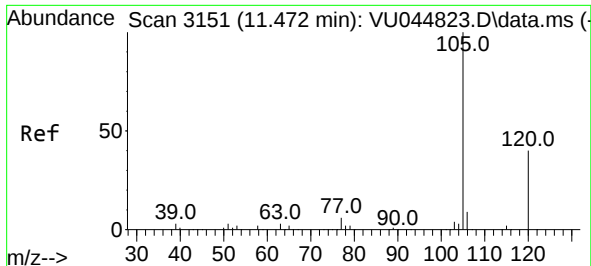
Tgt Ion: 75 Resp: 90212
Ion Ratio Lower Upper
75 100
77 0.9 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.428 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU044880.D
Acq: 26 Sep 2021 08:59

Tgt Ion: 75 Resp: 90212
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

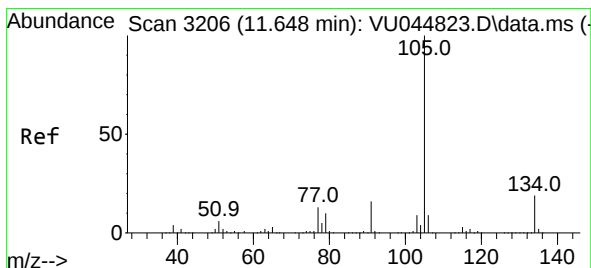
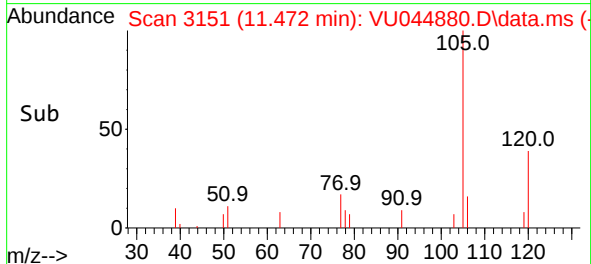
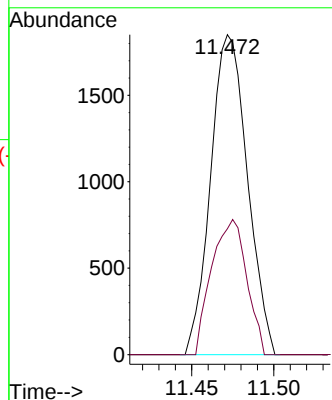
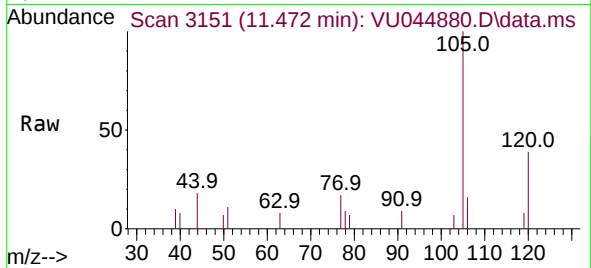




#84
1,2,4-Trimethylbenzene
Concen: 0.310 ug/l
RT: 11.472 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VU044880.D
Acq: 26 Sep 2021 08:59

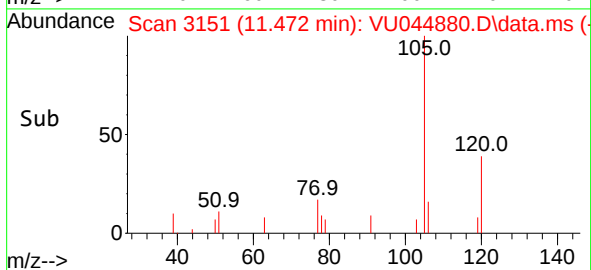
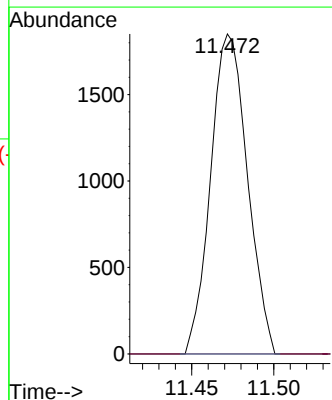
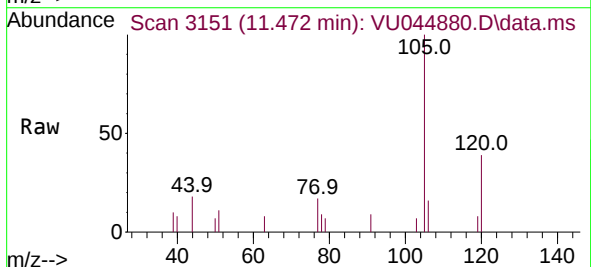
Instrument :
MSVOA_U
ClientSampled :
MW-3

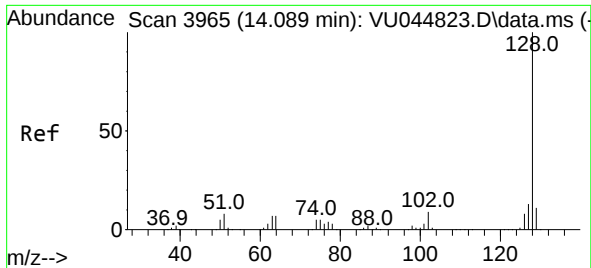
Tgt Ion:105 Resp: 2882
Ion Ratio Lower Upper
105 100
120 40.2 22.4 67.3



#85
sec-Butylbenzene
Concen: 0.245 ug/l
RT: 11.472 min Scan# 3151
Delta R.T. -0.177 min
Lab File: VU044880.D
Acq: 26 Sep 2021 08:59

Tgt Ion:105 Resp: 2882
Ion Ratio Lower Upper
105 100
134 0.0 9.3 28.0#





#95
Naphthalene
Concen: 1.451 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. -0.000 min
Lab File: VU044880.D
Acq: 26 Sep 2021 08:59

Instrument :
MSVOA_U
ClientSampleId :
MW-3

Tgt Ion:128 Resp: 6242
Ion Ratio Lower Upper
128 100
127 12.0 10.4 15.6
129 9.1 8.6 13.0

