

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092921\
 Data File : VU045027.D
 Acq On : 30 Sep 2021 05:25
 Operator : SY/MD
 Sample : M3952-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4

Quant Time: Sep 30 05:54:28 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)

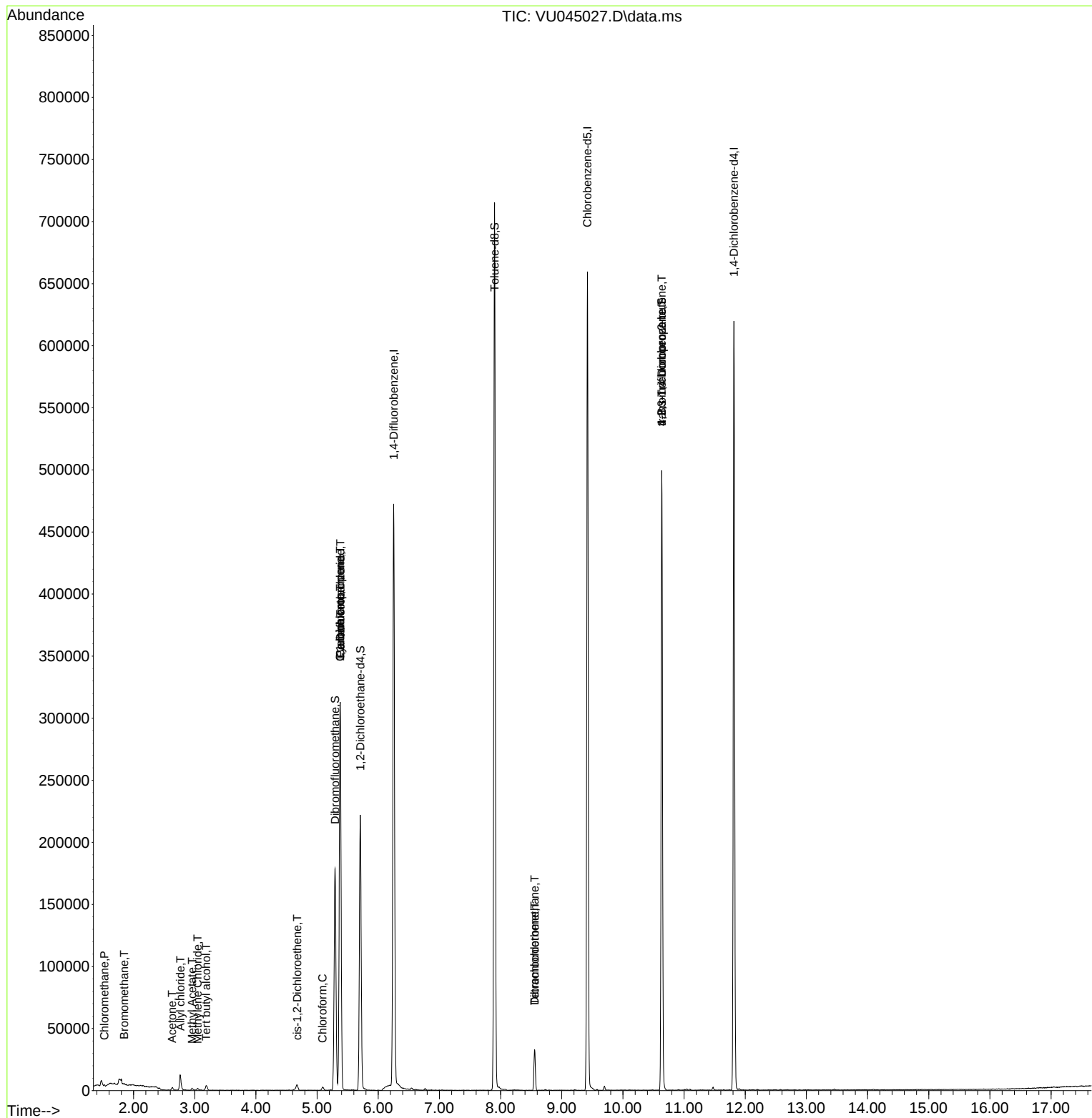
Internal Standards						
1) Pentafluorobenzene	5.378	168	204875	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	364688	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	340646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	151275	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	164618	48.269	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.540%
35) Dibromofluoromethane	5.295	113	115235	50.090	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.180%
50) Toluene-d8	7.902	98	462069	50.833	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.660%
62) 4-Bromofluorobenzene	10.635	95	163767	43.638	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.280%
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	677	0.206	ug/l	97
5) Bromomethane	1.845	94	326	0.253	ug/l	86
11) Tert butyl alcohol	3.186	59	2637	2.694	ug/l #	72
14) Allyl chloride	2.764	41	1209	0.269	ug/l #	66
16) Acetone	2.629	43	2392	1.182	ug/l	98
18) Methyl Acetate	2.954	43	1997	0.338	ug/l #	84
20) Methylene Chloride	3.047	84	714	0.234	ug/l #	70
27) cis-1,2-Dichloroethene	4.674	96	2471	0.787	ug/l	82
30) Chloroform	5.089	83	2307	0.434	ug/l #	81
31) Cyclohexane	5.375	56	5547	1.071	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	19004	4.983	ug/l #	50
38) Carbon Tetrachloride	5.378	117	21288	6.451	ug/l #	16
60) Dibromochloromethane	8.555	129	6749	4.232	ug/l #	10
64) Tetrachloroethene	8.555	164	6882	3.095	ug/l	97
76) 1,2,3-Trichloropropane	10.635	75	88933	20.155	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.635	75	88933	55.934	ug/l #	9

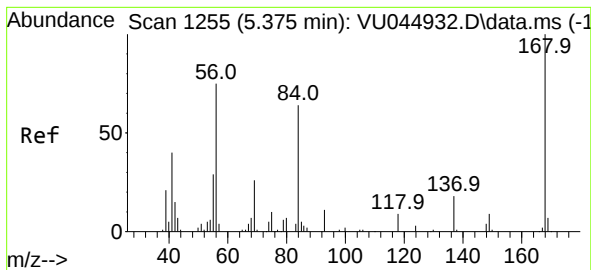
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. 0.003 min

Lab File: VU045027.D

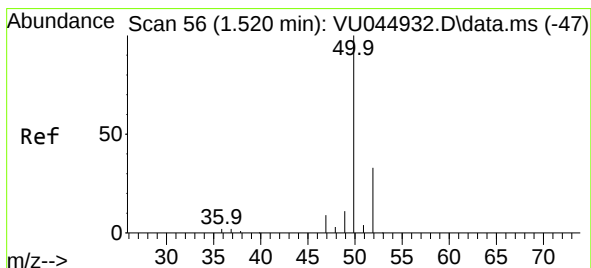
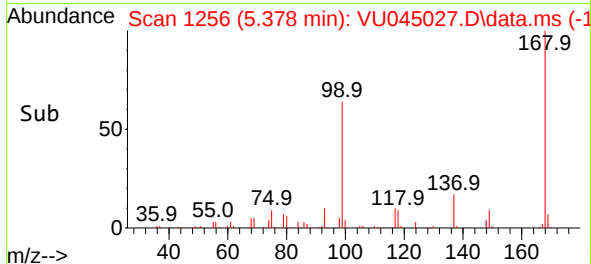
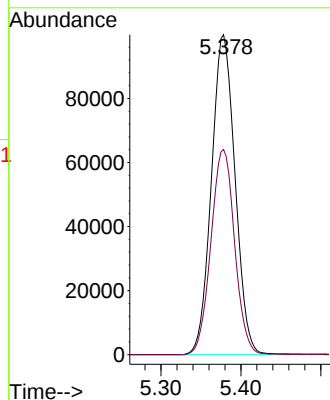
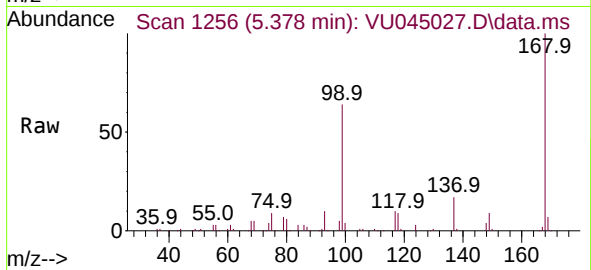
Acq: 30 Sep 2021 05:25

Tgt Ion:168 Resp: 204875

Ion Ratio Lower Upper

168 100

99 64.1 51.4 77.0



#3

Chloromethane

Concen: 0.206 ug/l

RT: 1.523 min Scan# 57

Delta R.T. 0.003 min

Lab File: VU045027.D

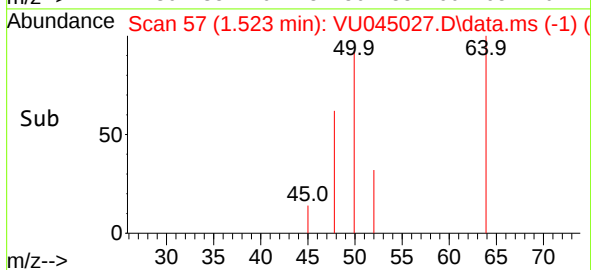
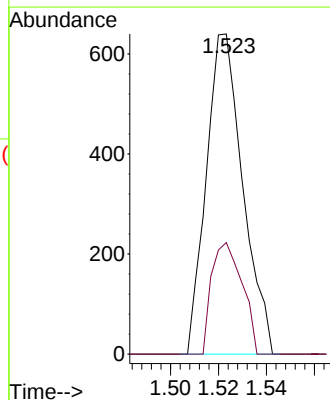
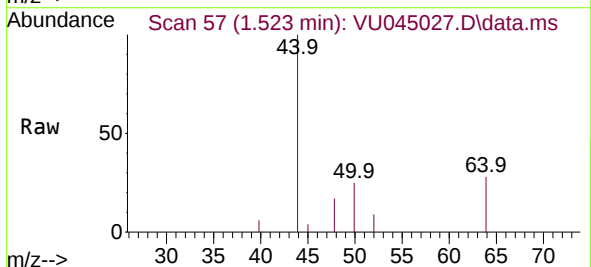
Acq: 30 Sep 2021 05:25

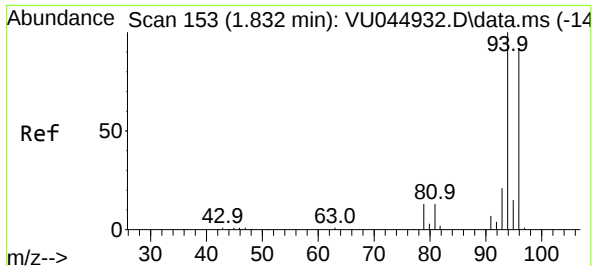
Tgt Ion: 50 Resp: 677

Ion Ratio Lower Upper

50 100

52 34.8 26.3 39.5





#5

Bromomethane

Concen: 0.253 ug/l

RT: 1.845 min Scan# 157

Delta R.T. 0.013 min

Lab File: VU045027.D

Acq: 30 Sep 2021 05:25

Instrument :

MSVOA_U

ClientSampleId :

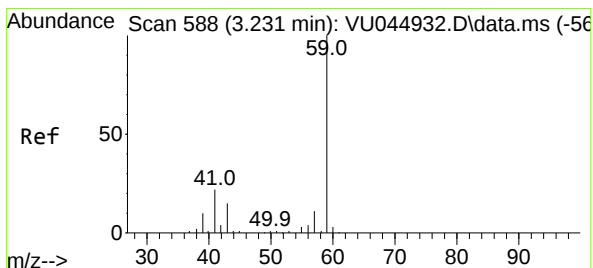
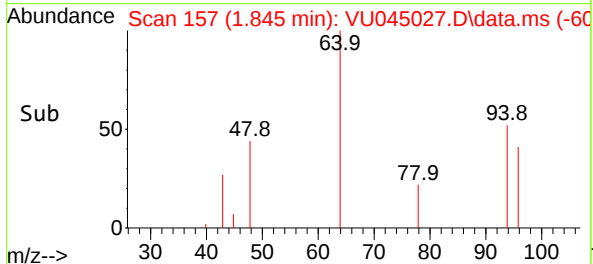
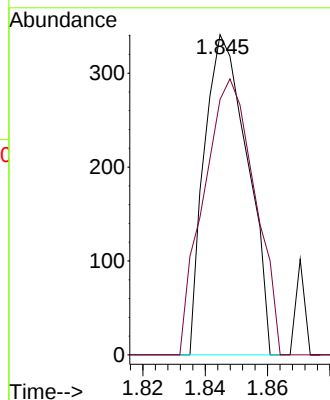
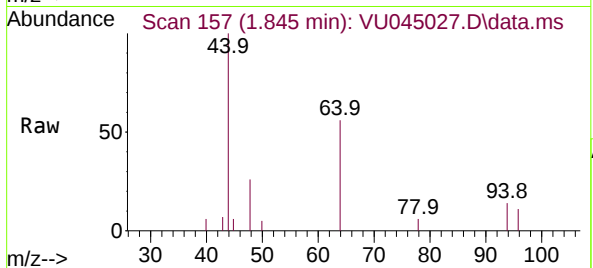
MW-4

Tgt Ion: 94 Resp: 326

Ion Ratio Lower Upper

94 100

96 79.8 74.5 111.7



#11

Tert butyl alcohol

Concen: 2.694 ug/l

RT: 3.186 min Scan# 574

Delta R.T. -0.045 min

Lab File: VU045027.D

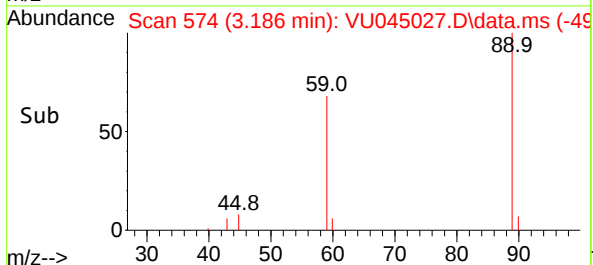
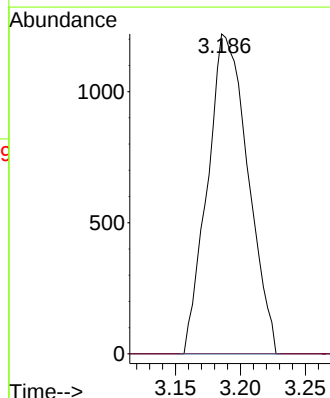
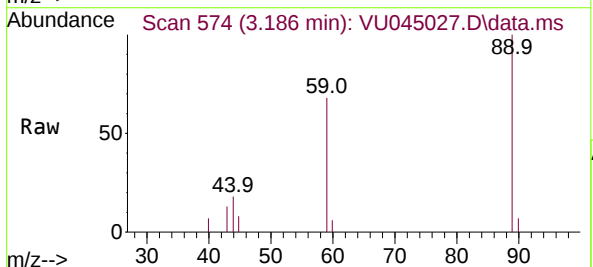
Acq: 30 Sep 2021 05:25

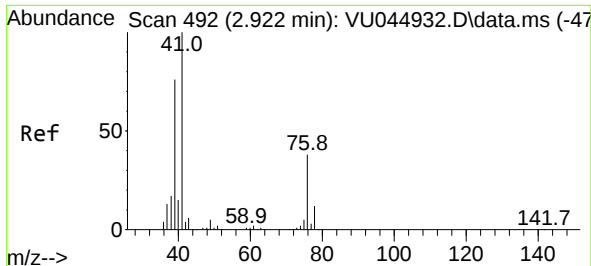
Tgt Ion: 59 Resp: 2637

Ion Ratio Lower Upper

59 100

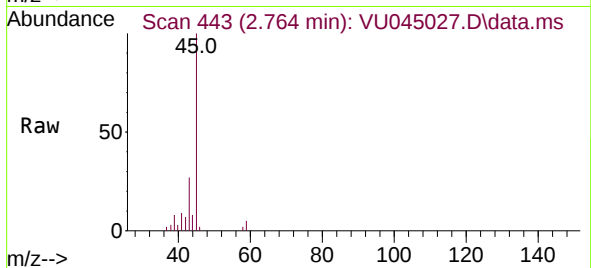
57 0.0 8.3 12.5#



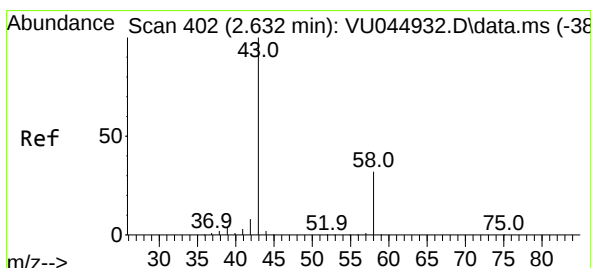
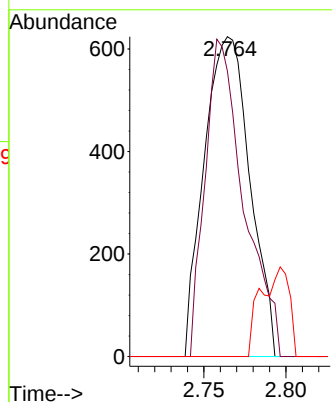
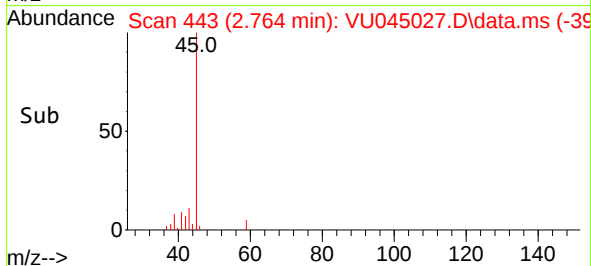


#14
 Allyl chloride
 Concen: 0.269 ug/l
 RT: 2.764 min Scan# 443
 Delta R.T. -0.158 min
 Lab File: VU045027.D
 Acq: 30 Sep 2021 05:25

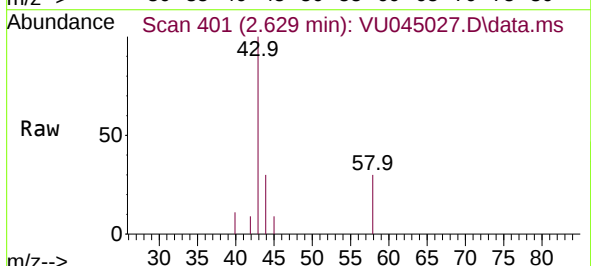
Instrument :
 MSVOA_U
 ClientSampled :
 MW-4



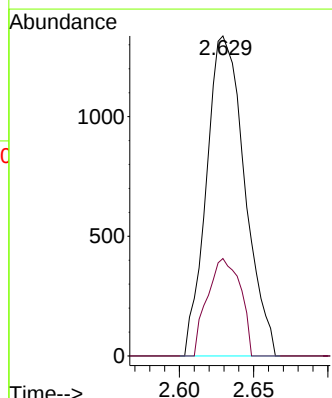
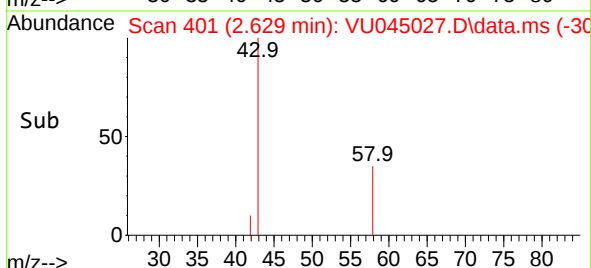
Tgt Ion: 41 Resp: 1209
 Ion Ratio Lower Upper
 41 100
 39 83.9 53.0 79.6#
 76 0.0 25.7 38.5#

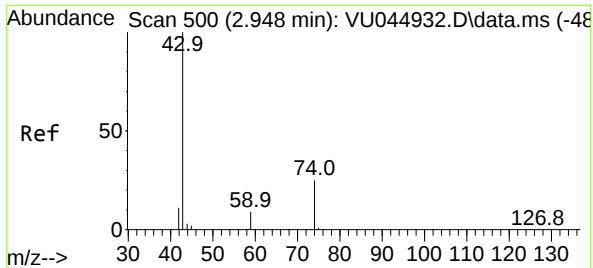


#16
 Acetone
 Concen: 1.182 ug/l
 RT: 2.629 min Scan# 401
 Delta R.T. -0.003 min
 Lab File: VU045027.D
 Acq: 30 Sep 2021 05:25



Tgt Ion: 43 Resp: 2392
 Ion Ratio Lower Upper
 43 100
 58 30.4 25.2 37.8

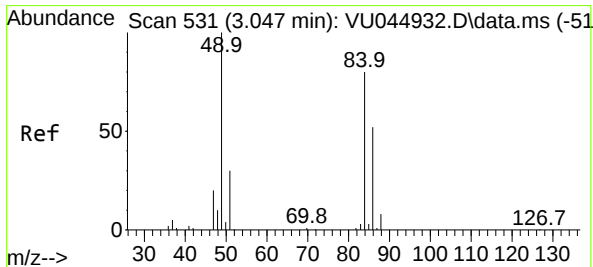
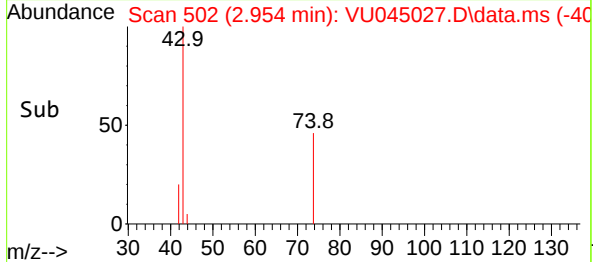
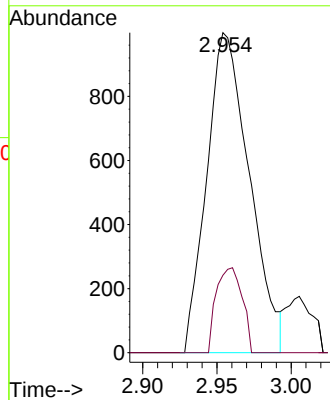
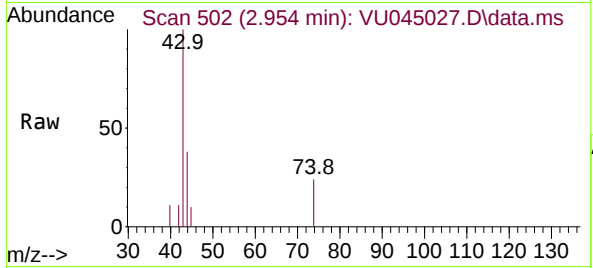




#18
Methyl Acetate
Concen: 0.338 ug/l
RT: 2.954 min Scan# 502
Delta R.T. 0.006 min
Lab File: VU045027.D
Acq: 30 Sep 2021 05:25

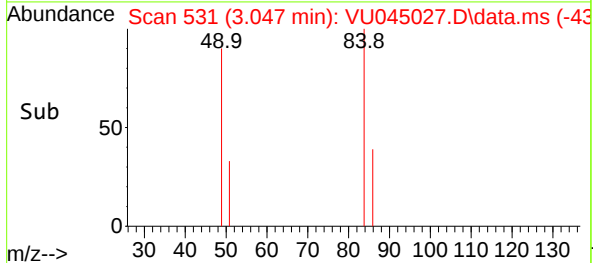
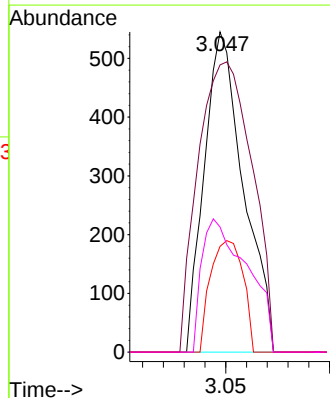
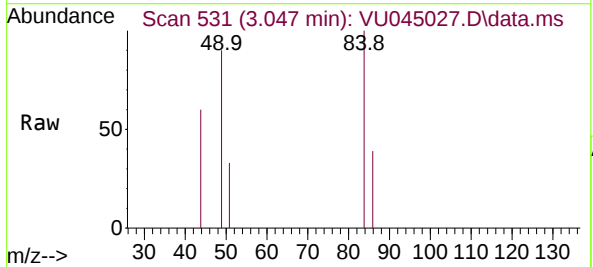
Instrument :
MSVOA_U
ClientSampleId :
MW-4

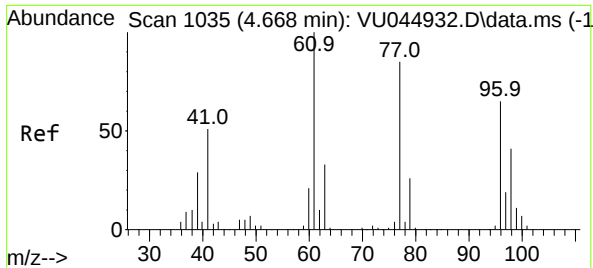
Tgt Ion: 43 Resp: 1997
Ion Ratio Lower Upper
43 100
74 16.0 19.0 28.6#



#20
Methylene Chloride
Concen: 0.234 ug/l
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU045027.D
Acq: 30 Sep 2021 05:25

Tgt Ion: 84 Resp: 714
Ion Ratio Lower Upper
84 100
49 89.7 104.9 157.3#
51 33.0 31.8 47.8
86 39.1 49.8 74.6#



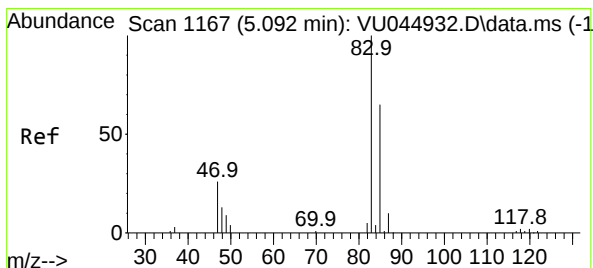
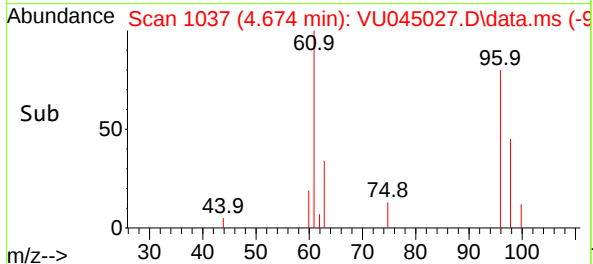
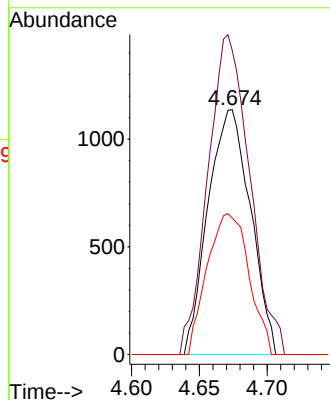
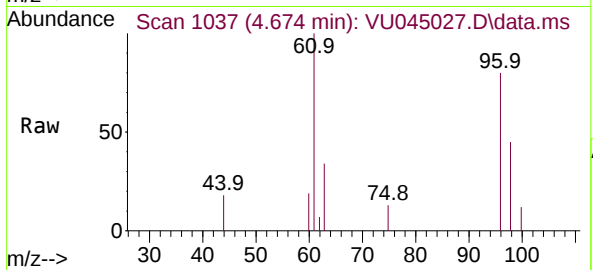


#27

cis-1,2-Dichloroethene
Concen: 0.787 ug/l
RT: 4.674 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VU045027.D
Acq: 30 Sep 2021 05:25

Instrument :
MSVOA_U
ClientSampled :
MW-4

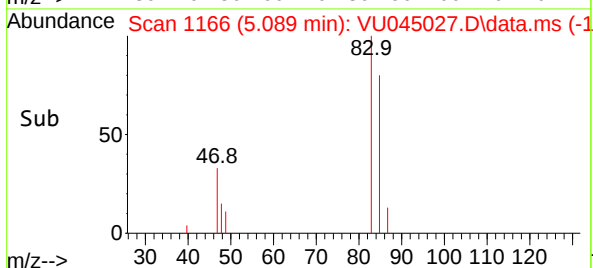
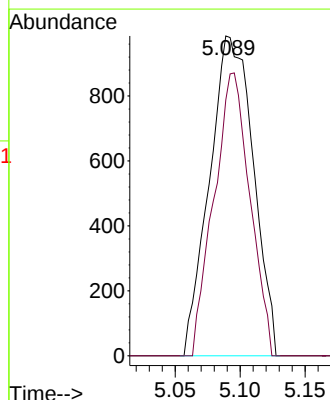
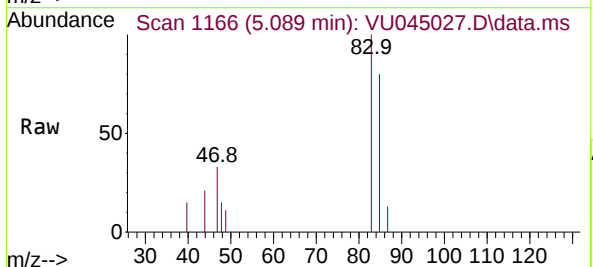
Tgt Ion:	96	Resp:	2471
Ion	Ratio	Lower	Upper
96	100		
61	128.4	0.0	313.4
98	56.9	0.0	127.0

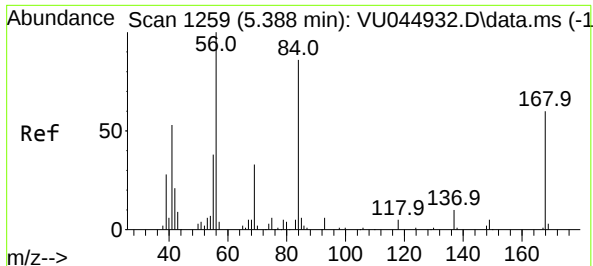


#30

Chloroform
Concen: 0.434 ug/l
RT: 5.089 min Scan# 1166
Delta R.T. -0.003 min
Lab File: VU045027.D
Acq: 30 Sep 2021 05:25

Tgt Ion:	83	Resp:	2307
Ion	Ratio	Lower	Upper
83	100		
85	80.0	52.1	78.1#

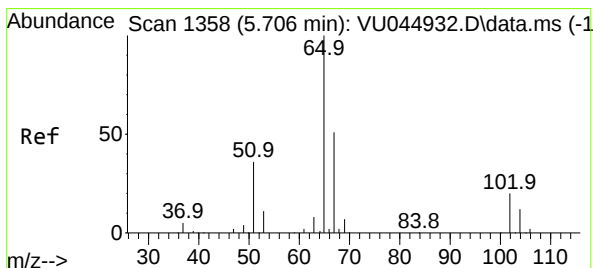
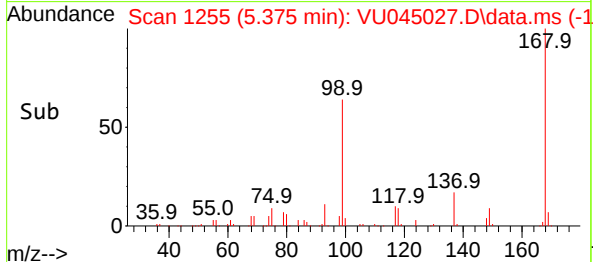
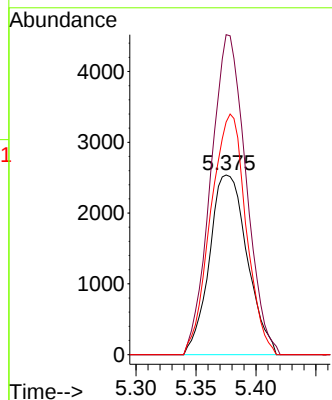
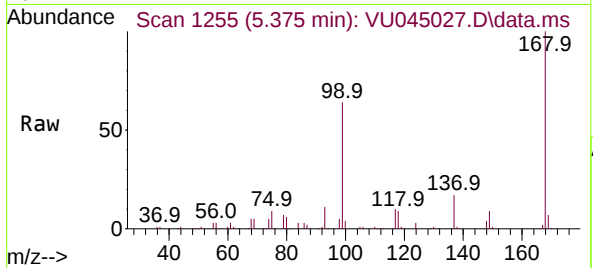




#31
Cyclohexane
Concen: 1.071 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.013 min
Lab File: VU045027.D
Acq: 30 Sep 2021 05:25

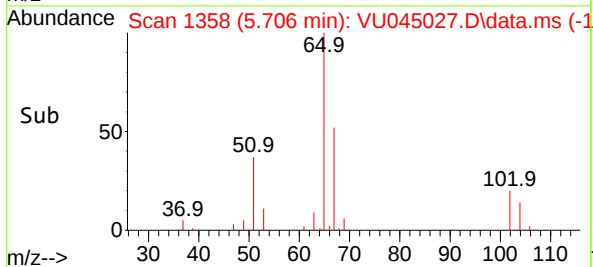
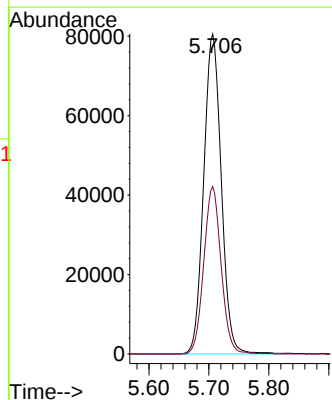
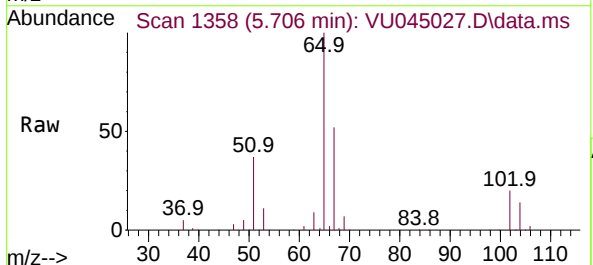
Instrument :
MSVOA_U
ClientSampled :
MW-4

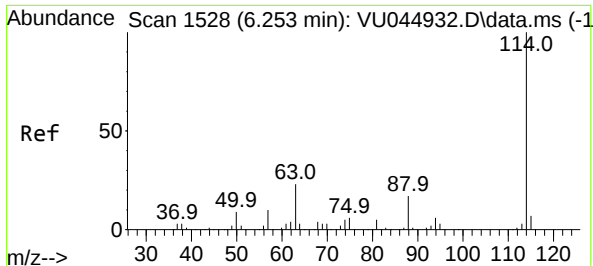
Tgt Ion: 56 Resp: 5547
Ion Ratio Lower Upper
56 100
69 178.2 25.2 37.8#
84 129.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 48.269 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VU045027.D
Acq: 30 Sep 2021 05:25

Tgt Ion: 65 Resp: 164618
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.8

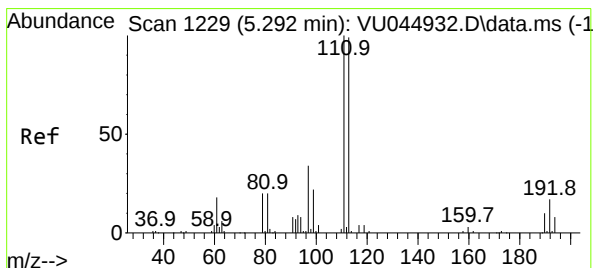
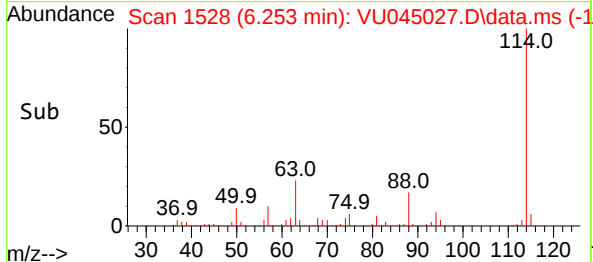
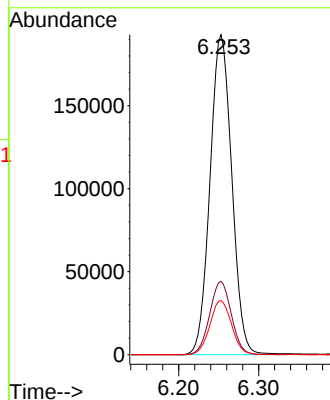
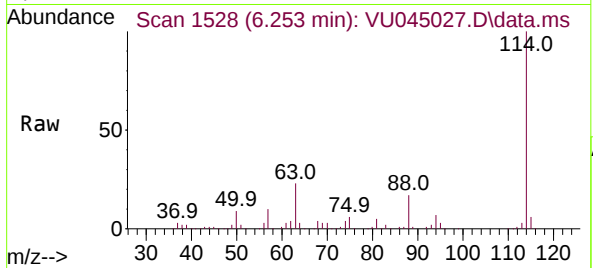




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. -0.000 min
Lab File: VU045027.D
Acq: 30 Sep 2021 05:25

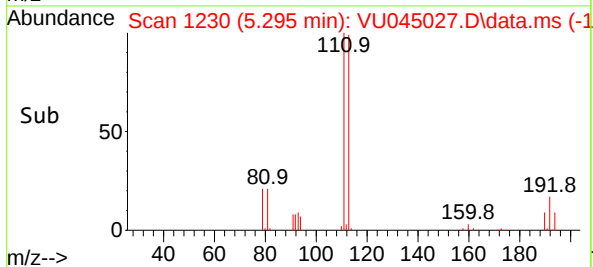
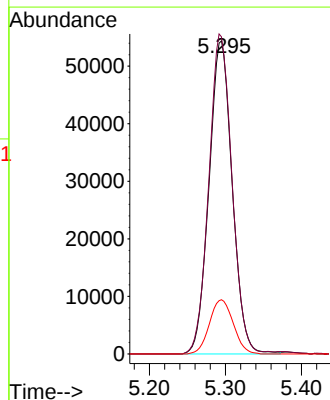
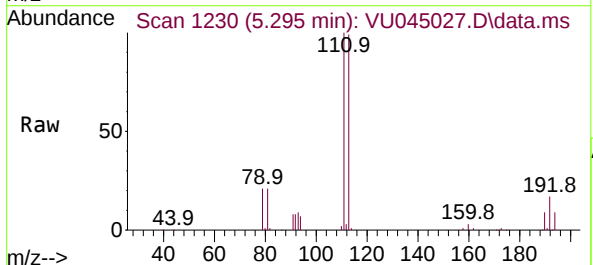
Instrument :
MSVOA_U
ClientSampled :
MW-4

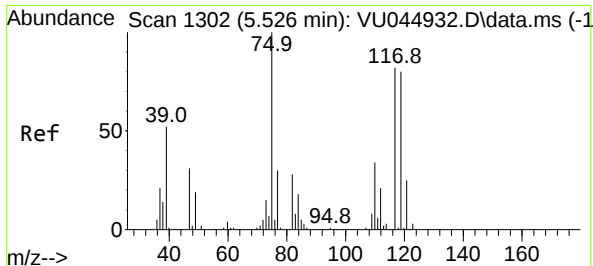
Tgt Ion:114 Resp: 364688
Ion Ratio Lower Upper
114 100
63 23.0 0.0 47.8
88 16.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.090 ug/l
RT: 5.295 min Scan# 1230
Delta R.T. 0.003 min
Lab File: VU045027.D
Acq: 30 Sep 2021 05:25

Tgt Ion:113 Resp: 115235
Ion Ratio Lower Upper
113 100
111 101.9 84.1 126.1
192 17.8 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.983 ug/l

RT: 5.375 min Scan# 1255

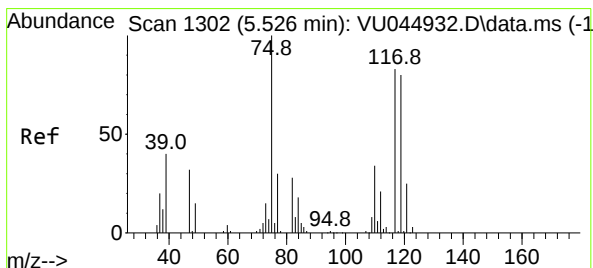
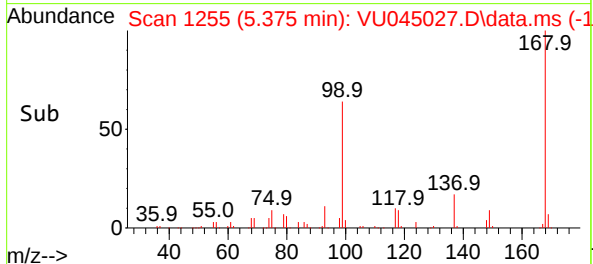
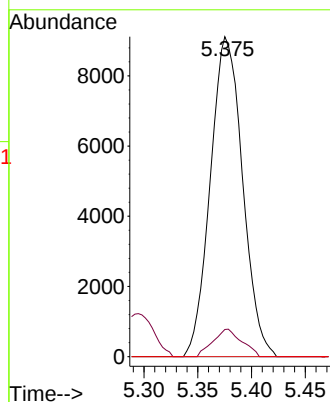
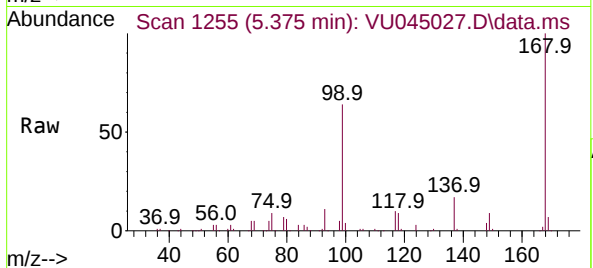
Delta R.T. -0.151 min

Lab File: VU045027.D

Acq: 30 Sep 2021 05:25

Tgt Ion:	75	Resp:	19004
Ion	Ratio	Lower	Upper
75	100		
110	7.7	16.3	48.9#
77	0.0	25.0	37.4#

Instrument :
MSVOA_U
ClientSampled :
MW-4



#38

Carbon Tetrachloride

Concen: 6.451 ug/l

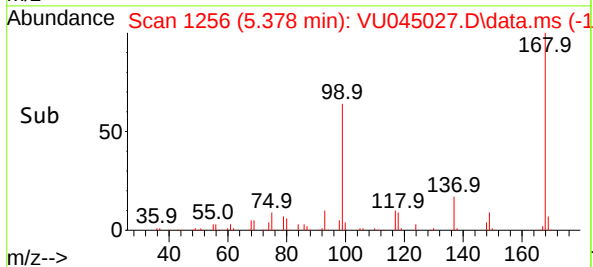
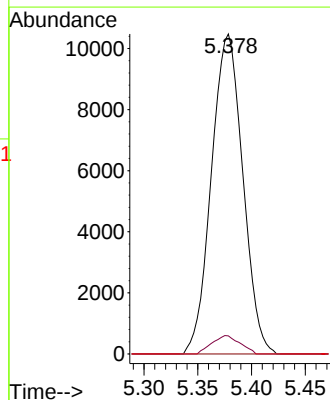
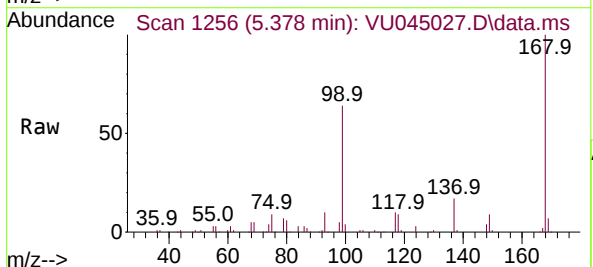
RT: 5.378 min Scan# 1256

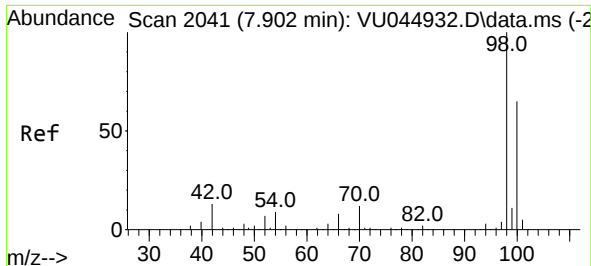
Delta R.T. -0.148 min

Lab File: VU045027.D

Acq: 30 Sep 2021 05:25

Tgt Ion:	117	Resp:	21288
Ion	Ratio	Lower	Upper
117	100		
119	5.6	77.4	116.2#
121	0.0	24.5	36.7#

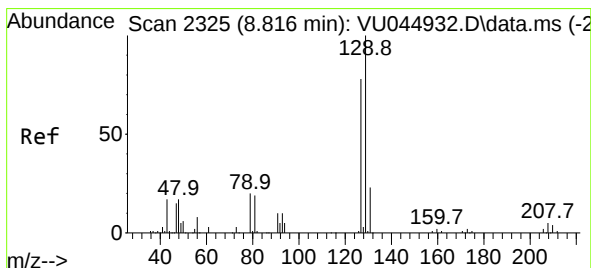
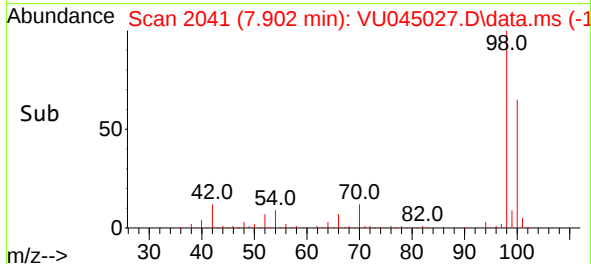
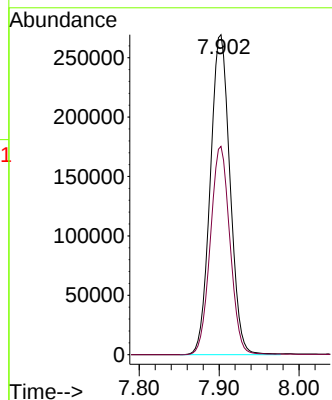
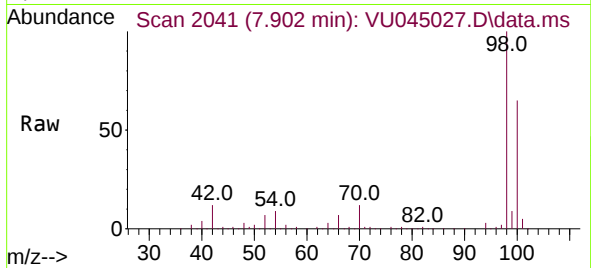




#50
Toluene-d8
Concen: 50.833 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VU045027.D
Acq: 30 Sep 2021 05:25

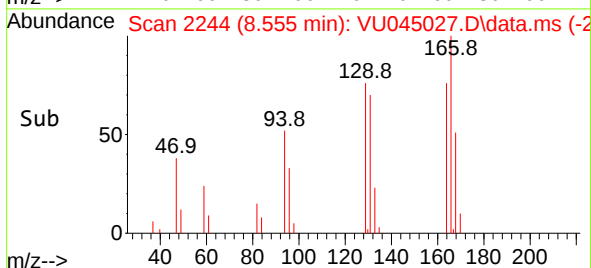
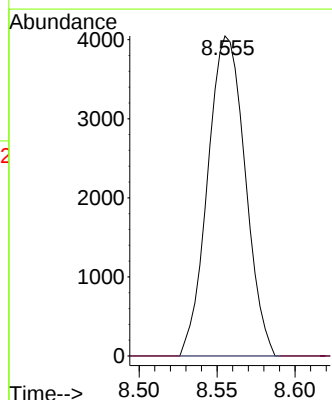
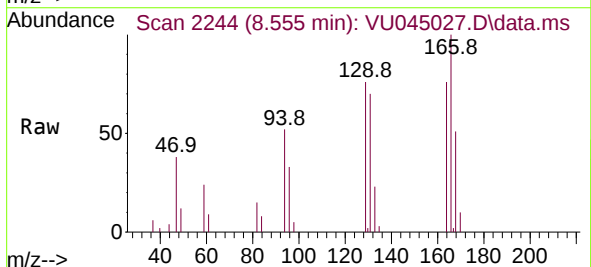
Instrument :
MSVOA_U
ClientSampled :
MW-4

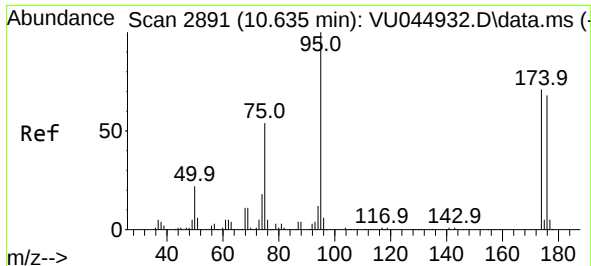
Tgt Ion: 98 Resp: 462069
Ion Ratio Lower Upper
98 100
100 64.6 52.5 78.7



#60
Dibromochloromethane
Concen: 4.232 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. -0.261 min
Lab File: VU045027.D
Acq: 30 Sep 2021 05:25

Tgt Ion: 129 Resp: 6749
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#

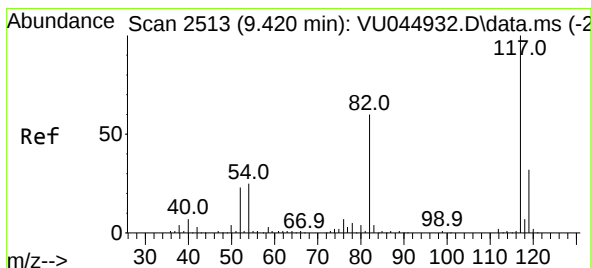
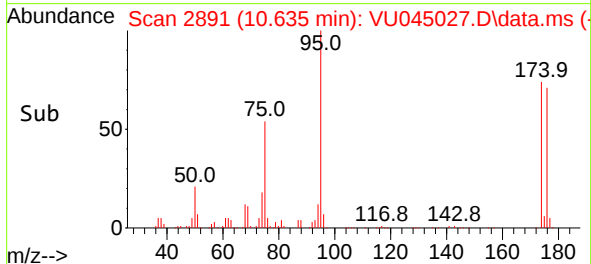
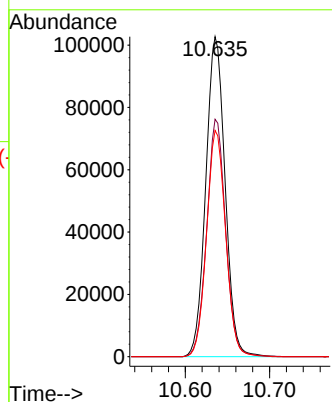
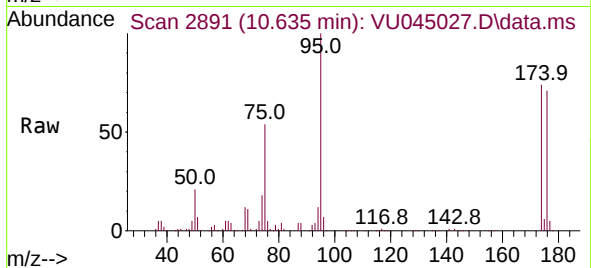




#62
4-Bromofluorobenzene
Concen: 43.638 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU045027.D
Acq: 30 Sep 2021 05:25

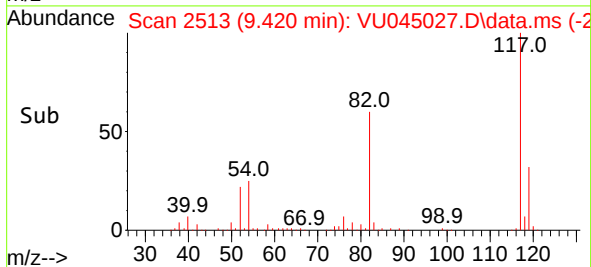
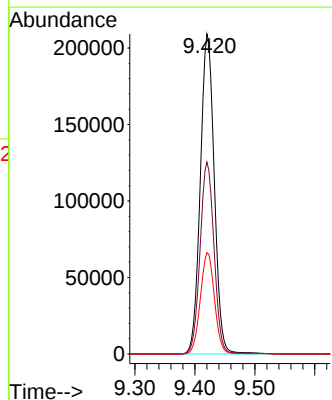
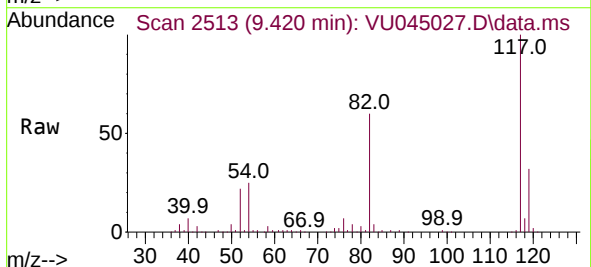
Instrument :
MSVOA_U
ClientSampled :
MW-4

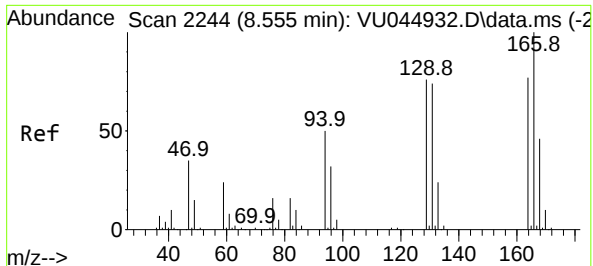
Tgt Ion: 95 Resp: 163767
Ion Ratio Lower Upper
95 100
174 72.7 0.0 146.6
176 69.9 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. -0.000 min
Lab File: VU045027.D
Acq: 30 Sep 2021 05:25

Tgt Ion: 117 Resp: 340646
Ion Ratio Lower Upper
117 100
82 59.9 47.8 71.8
119 31.6 25.8 38.6

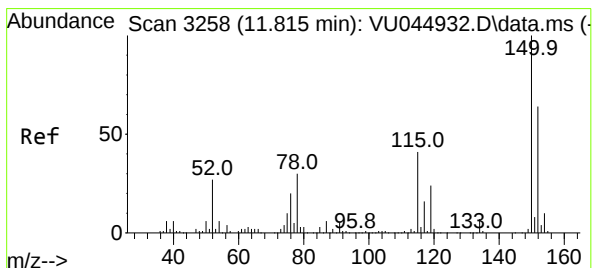
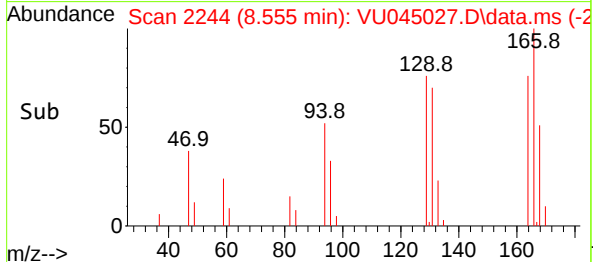
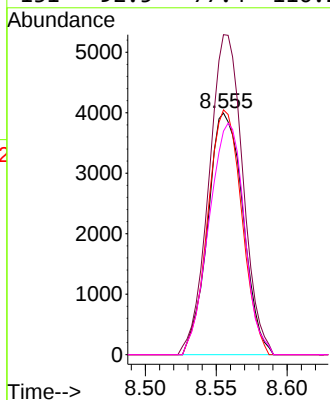
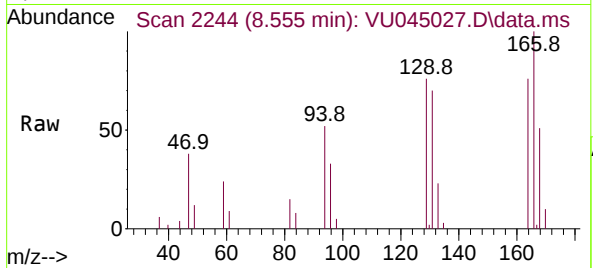




#64
Tetrachloroethene
Concen: 3.095 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU045027.D
Acq: 30 Sep 2021 05:25

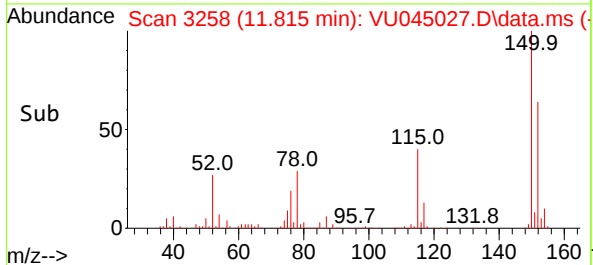
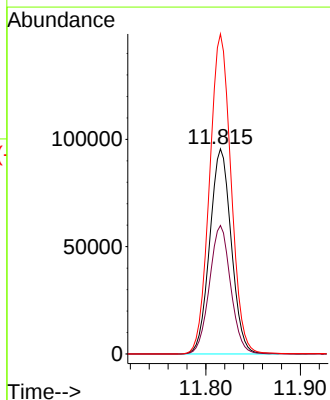
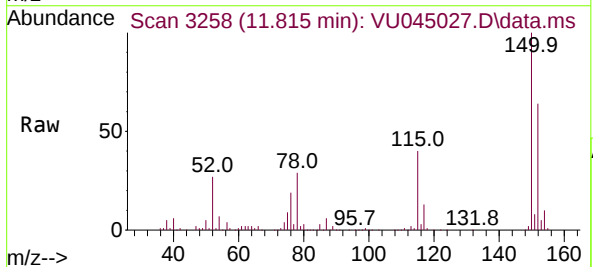
Instrument :
MSVOA_U
ClientSampled :
MW-4

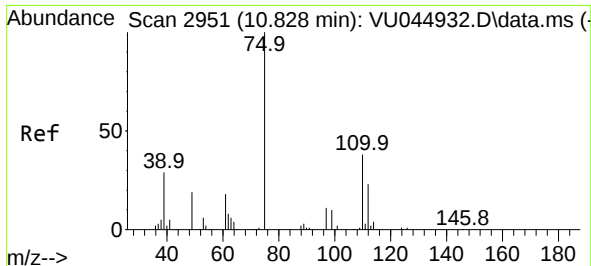
Tgt Ion:164 Resp: 6882
Ion Ratio Lower Upper
164 100
166 132.4 102.8 154.2
129 101.3 79.4 119.2
131 92.5 77.4 116.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 3258
Delta R.T. 0.000 min
Lab File: VU045027.D
Acq: 30 Sep 2021 05:25

Tgt Ion:152 Resp: 151275
Ion Ratio Lower Upper
152 100
115 61.7 43.5 130.7
150 155.9 0.0 350.0

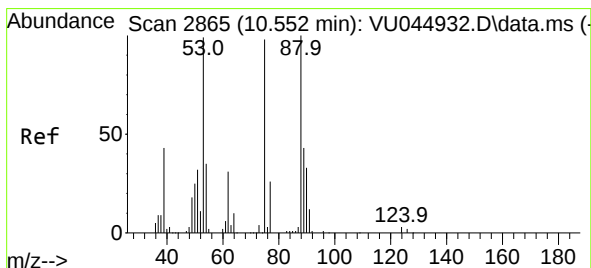
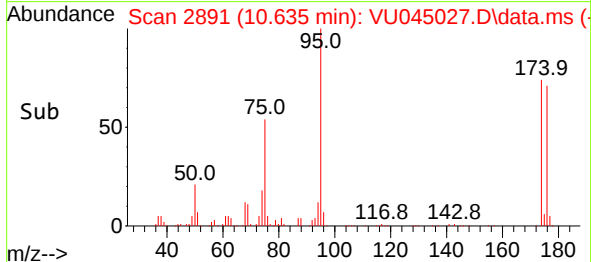
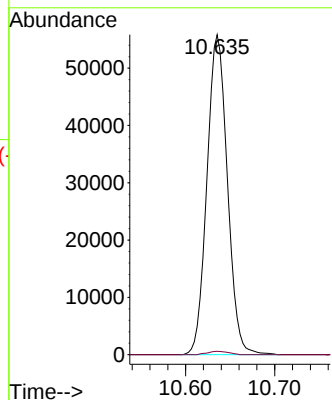
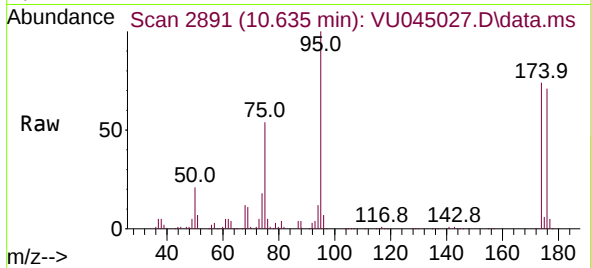




#76
1,2,3-Trichloropropane
Concen: 20.155 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU045027.D
Acq: 30 Sep 2021 05:25

Instrument :
MSVOA_U
ClientSampled :
MW-4

Tgt Ion: 75 Resp: 88933
Ion Ratio Lower Upper
75 100
77 1.1 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.934 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.083 min
Lab File: VU045027.D
Acq: 30 Sep 2021 05:25

Tgt Ion: 75 Resp: 88933
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

