

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092921\
 Data File : VU045024.D
 Acq On : 30 Sep 2021 04:14
 Operator : SY/MD
 Sample : M3952-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1

Quant Time: Sep 30 05:30:00 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	206133	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	370253	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	344275	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	153144	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	163931	47.775	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.540%
35) Dibromofluoromethane	5.295	113	115029	49.249	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.500%
50) Toluene-d8	7.902	98	462752	50.143	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.280%
62) 4-Bromofluorobenzene	10.635	95	163871	43.010	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.020%

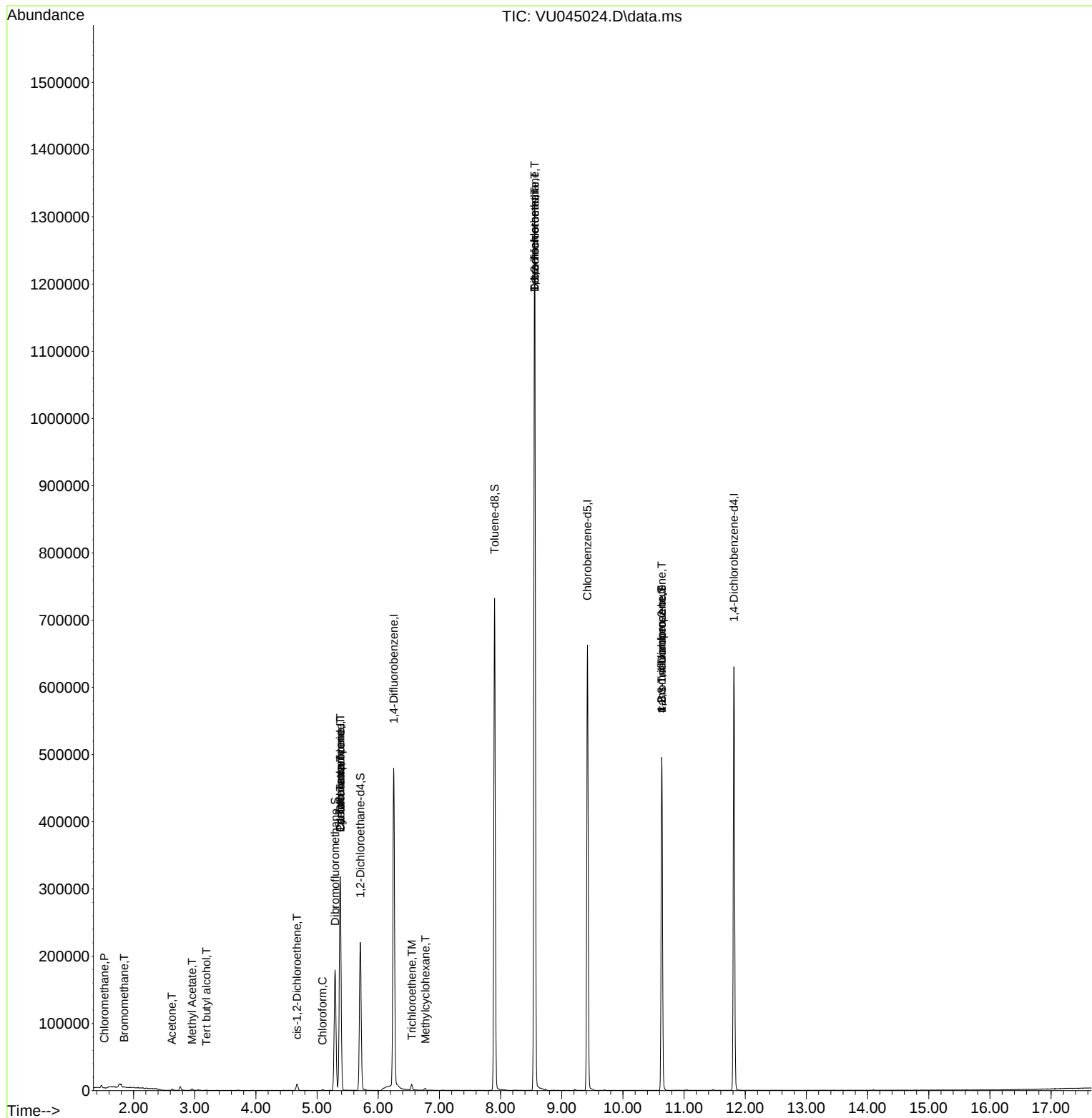
Target Compounds				Qvalue		
3) Chloromethane	1.523	50	775	0.234	ug/l	89
5) Bromomethane	1.848	94	380	0.293	ug/l	96
11) Tert butyl alcohol	3.192	59	228	0.232	ug/l #	72
16) Acetone	2.626	43	2404	1.180	ug/l	94
18) Methyl Acetate	2.957	43	3196	0.537	ug/l	96
27) cis-1,2-Dichloroethene	4.671	96	5104	1.616	ug/l	86
30) Chloroform	5.089	83	1138	0.213	ug/l	96
31) Cyclohexane	5.378	56	5678	1.089	ug/l #	13
36) 1,1-Dichloropropene	5.378	75	19180	4.954	ug/l #	50
38) Carbon Tetrachloride	5.378	117	21730	6.486	ug/l #	15
39) Methylcyclohexane	6.771	83	1052	0.221	ug/l #	85
44) Trichloroethene	6.549	130	2660	0.978	ug/l	93
55) 1,1,2-Trichloroethane	8.555	97	2500	0.831	ug/l #	1
60) Dibromochloromethane	8.555	129	267378	82.379	ug/l #	10
64) Tetrachloroethene	8.555	164	276839	123.204	ug/l	97
76) 1,2,3-Trichloropropane	10.635	75	88744	19.867	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.635	75	88744	55.134	ug/l #	9

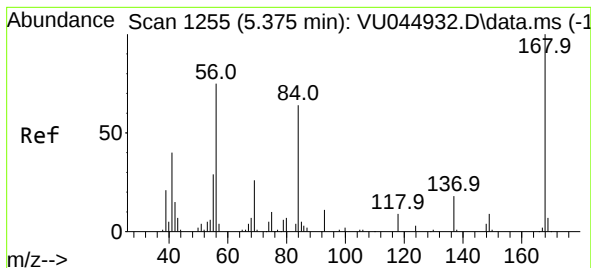
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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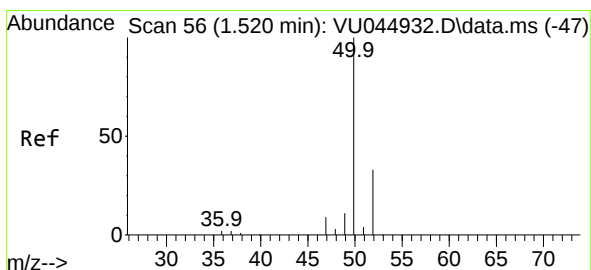
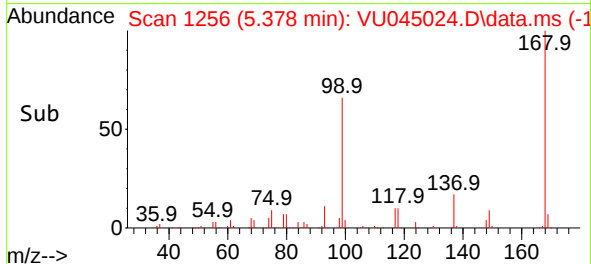
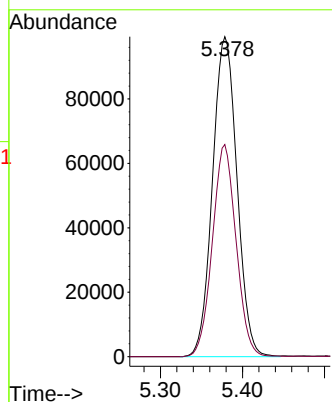
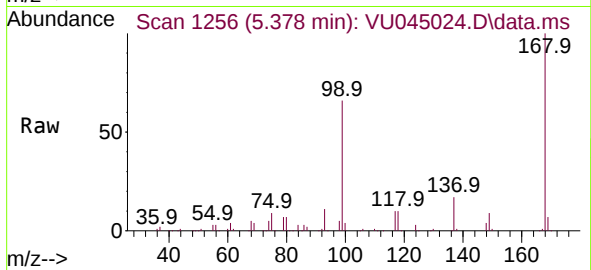




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. 0.003 min
Lab File: VU045024.D
Acq: 30 Sep 2021 04:14

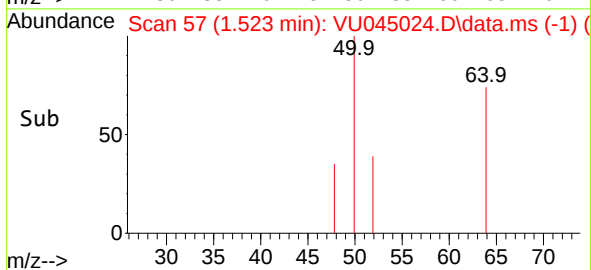
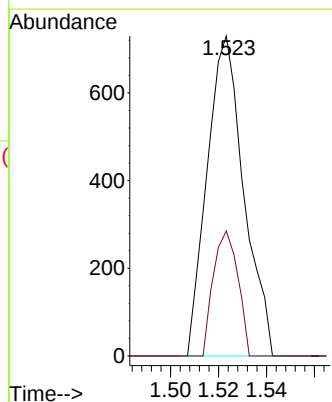
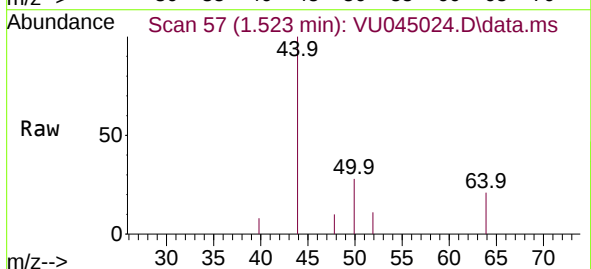
Instrument :
MSVOA_U
ClientSampleId :
MW-1

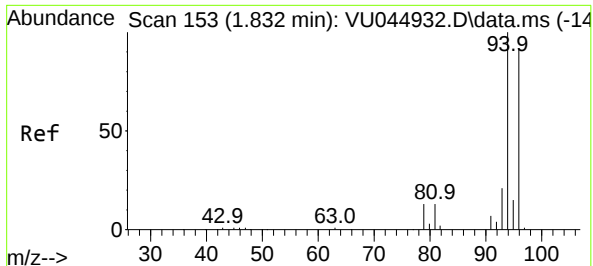
Tgt Ion:168 Resp: 206133
Ion Ratio Lower Upper
168 100
99 66.3 51.4 77.0



#3
Chloromethane
Concen: 0.234 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU045024.D
Acq: 30 Sep 2021 04:14

Tgt Ion: 50 Resp: 775
Ion Ratio Lower Upper
50 100
52 39.0 26.3 39.5

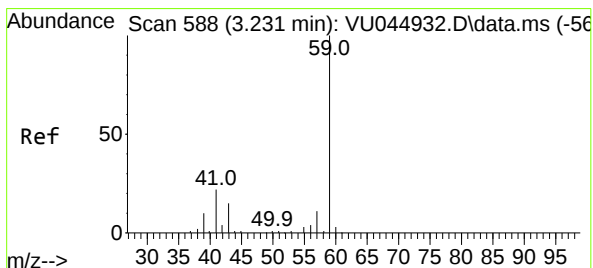
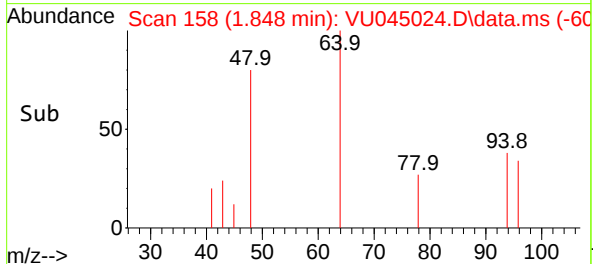
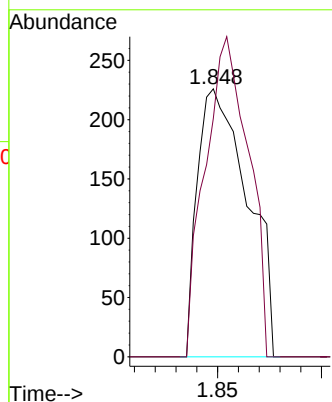
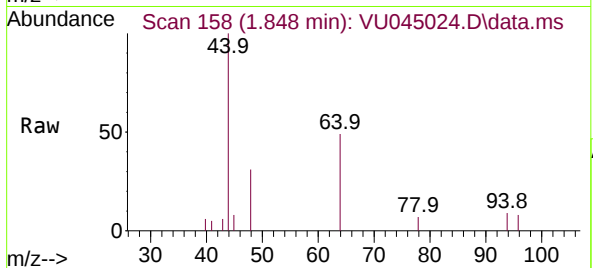




#5
Bromomethane
Concen: 0.293 ug/l
RT: 1.848 min Scan# 158
Delta R.T. 0.016 min
Lab File: VU045024.D
Acq: 30 Sep 2021 04:14

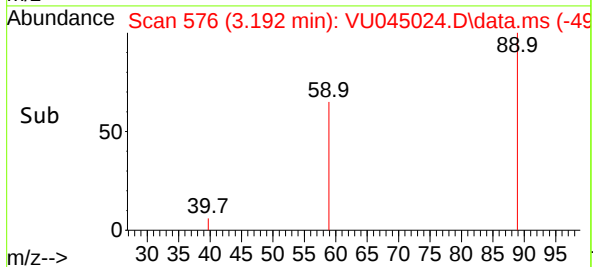
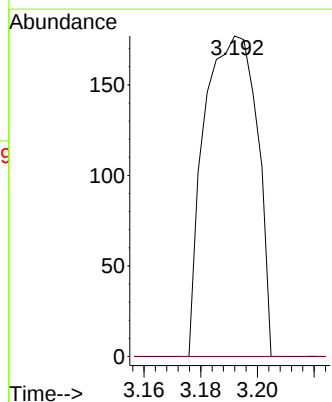
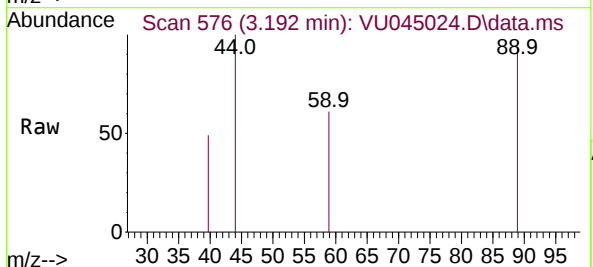
Instrument :
MSVOA_U
ClientSampled :
MW-1

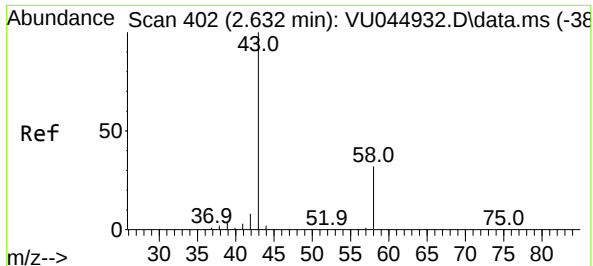
Tgt Ion: 94 Resp: 380
Ion Ratio Lower Upper
94 100
96 88.9 74.5 111.7



#11
Tert butyl alcohol
Concen: 0.232 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.039 min
Lab File: VU045024.D
Acq: 30 Sep 2021 04:14

Tgt Ion: 59 Resp: 228
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

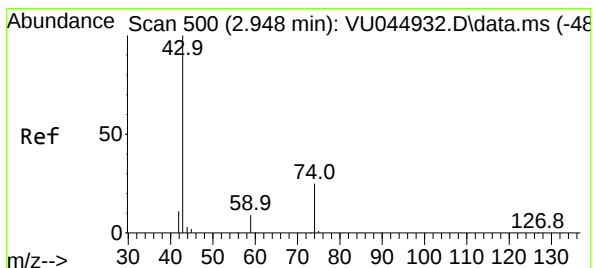
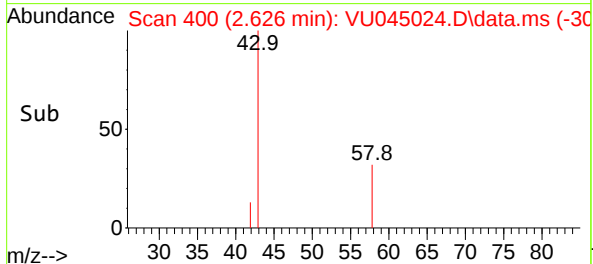
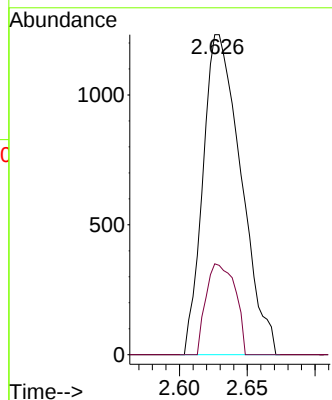
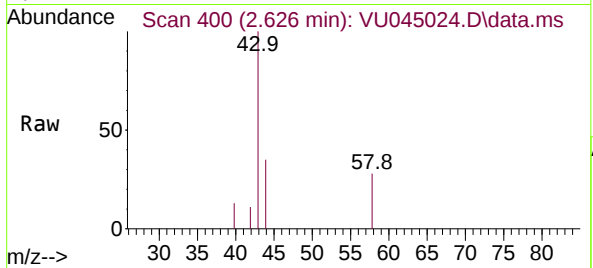




#16
Acetone
Concen: 1.180 ug/l
RT: 2.626 min Scan# 400
Delta R.T. -0.006 min
Lab File: VU045024.D
Acq: 30 Sep 2021 04:14

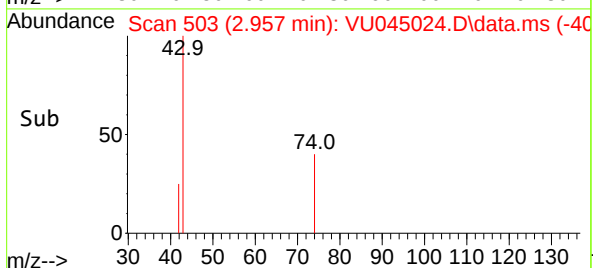
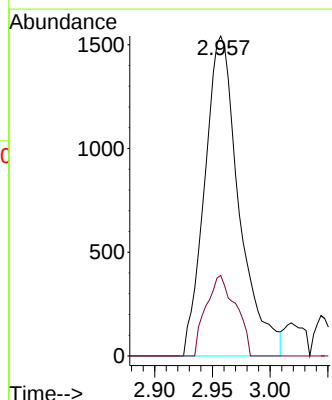
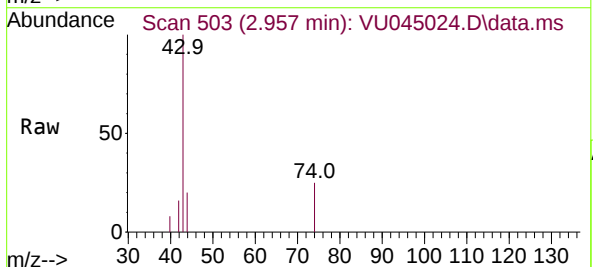
Instrument :
MSVOA_U
ClientSampled :
MW-1

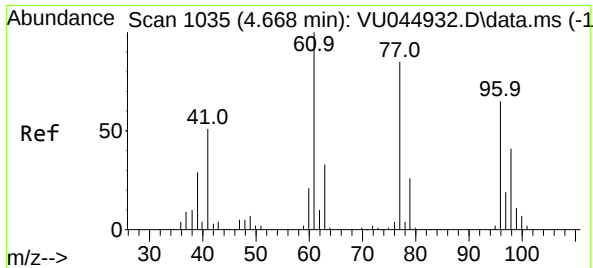
Tgt Ion: 43 Resp: 2404
Ion Ratio Lower Upper
43 100
58 28.4 25.2 37.8



#18
Methyl Acetate
Concen: 0.537 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.009 min
Lab File: VU045024.D
Acq: 30 Sep 2021 04:14

Tgt Ion: 43 Resp: 3196
Ion Ratio Lower Upper
43 100
74 21.6 19.0 28.6



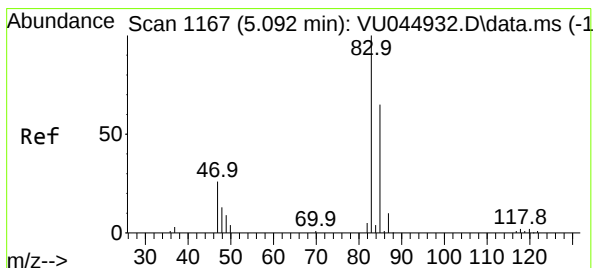
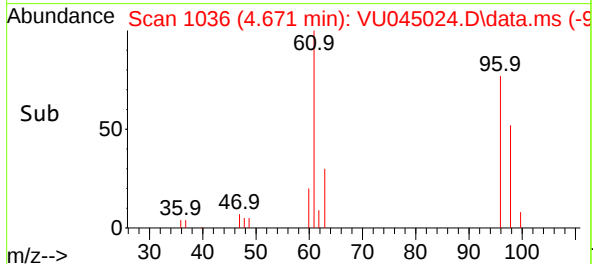
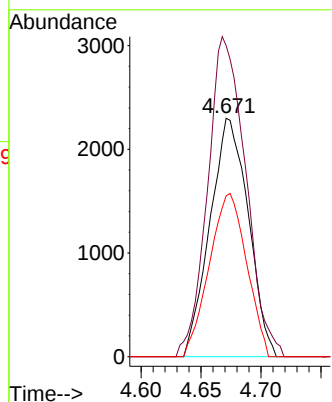
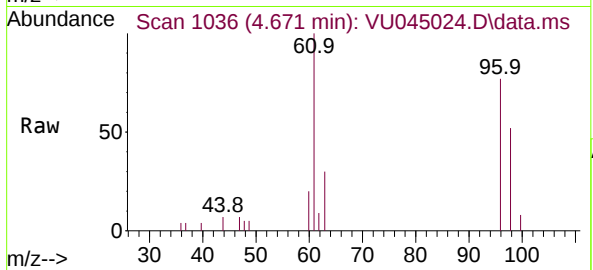


#27

cis-1,2-Dichloroethene
Concen: 1.616 ug/l
RT: 4.671 min Scan# 1036
Delta R.T. 0.003 min
Lab File: VU045024.D
Acq: 30 Sep 2021 04:14

Instrument :
MSVOA_U
ClientSampleId :
MW-1

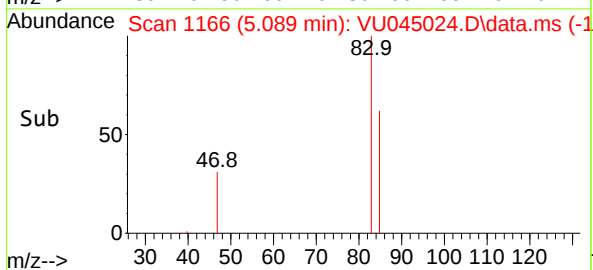
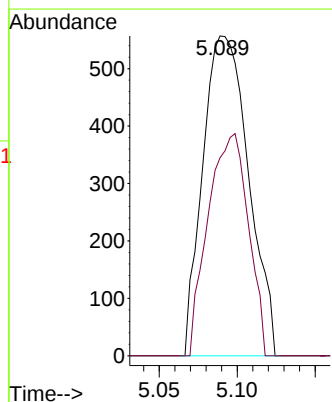
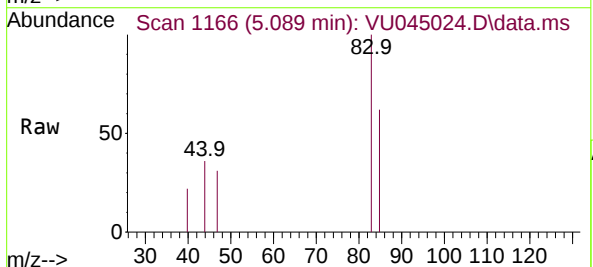
Tgt Ion:	96	Resp:	5104
Ion	Ratio	Lower	Upper
96	100		
61	133.1	0.0	313.4
98	66.6	0.0	127.0

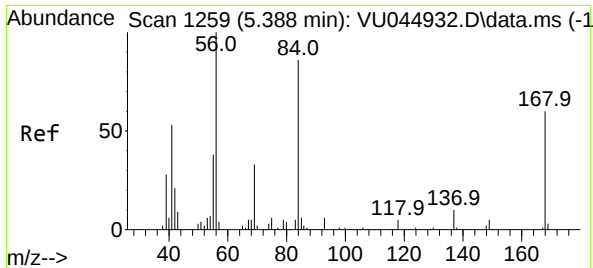


#30

Chloroform
Concen: 0.213 ug/l
RT: 5.089 min Scan# 1166
Delta R.T. -0.003 min
Lab File: VU045024.D
Acq: 30 Sep 2021 04:14

Tgt Ion:	83	Resp:	1138
Ion	Ratio	Lower	Upper
83	100		
85	61.9	52.1	78.1

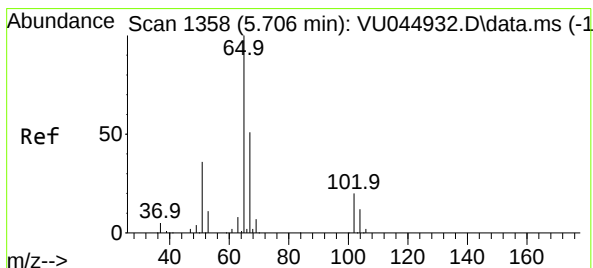
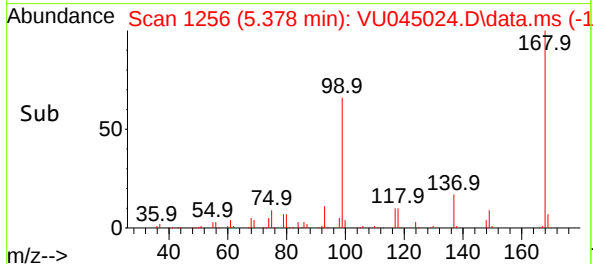
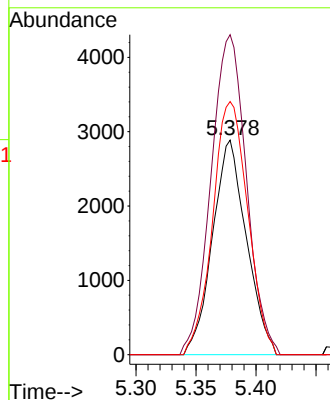
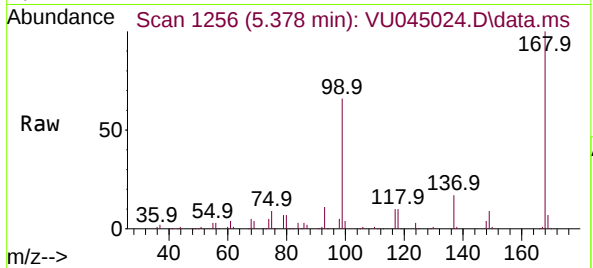




#31
Cyclohexane
Concen: 1.089 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.010 min
Lab File: VU045024.D
Acq: 30 Sep 2021 04:14

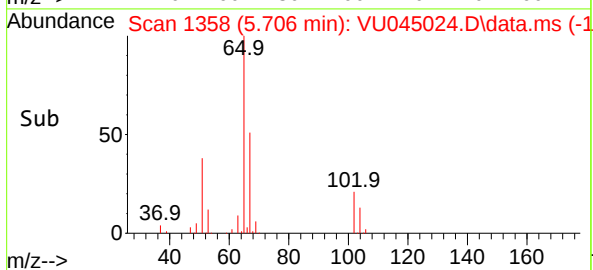
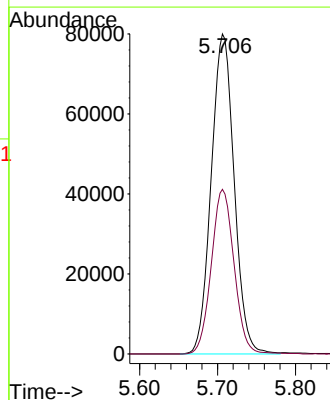
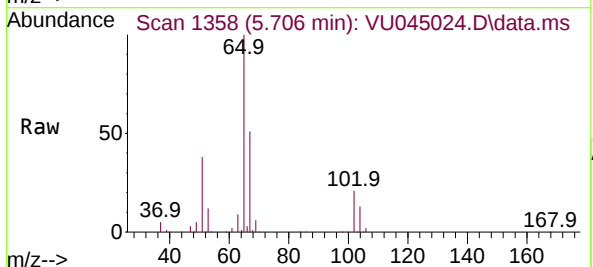
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MSVOA_U
ClientSampleId :
MW-1

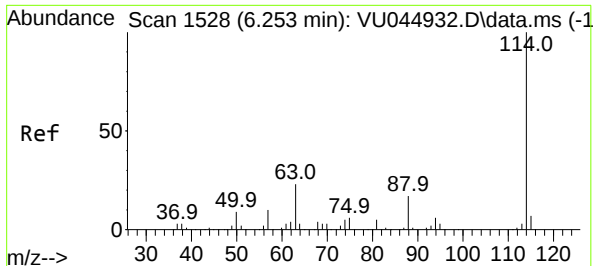
Tgt Ion: 56 Resp: 5678
Ion Ratio Lower Upper
56 100
69 149.2 25.2 37.8#
84 118.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 47.775 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VU045024.D
Acq: 30 Sep 2021 04:14

Tgt Ion: 65 Resp: 163931
Ion Ratio Lower Upper
65 100
67 51.1 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: VU045024.D

Acq: 30 Sep 2021 04:14

Tgt Ion:114 Resp: 370253

Ion Ratio Lower Upper

114 100

63 22.8 0.0 47.8

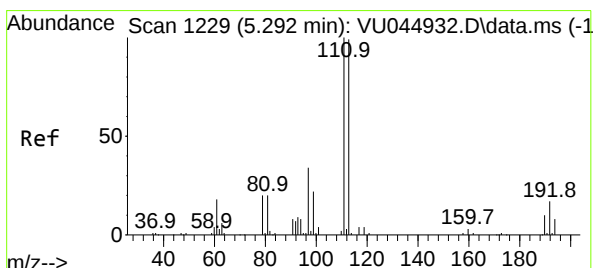
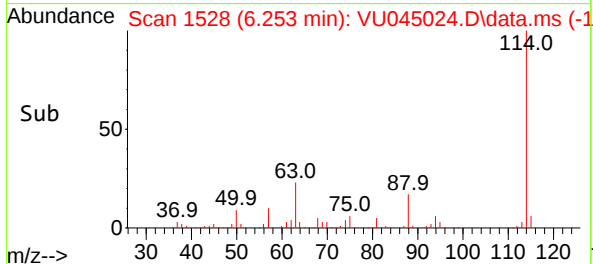
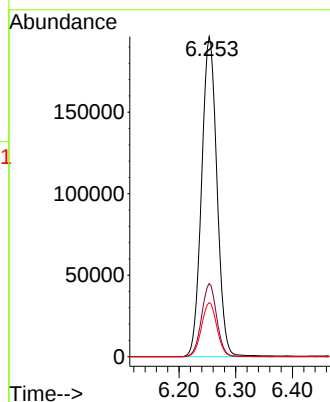
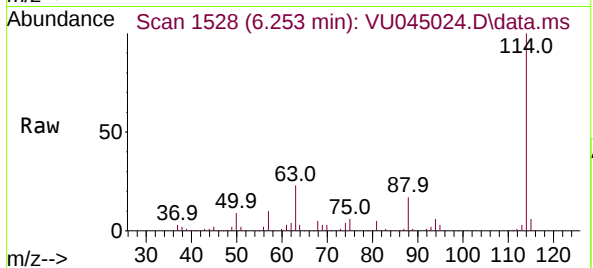
88 16.9 0.0 32.8

Instrument :

MSVOA_U

ClientSampled :

MW-1



#35

Dibromofluoromethane

Concen: 49.249 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. 0.003 min

Lab File: VU045024.D

Acq: 30 Sep 2021 04:14

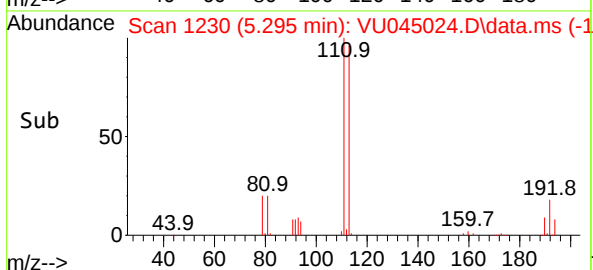
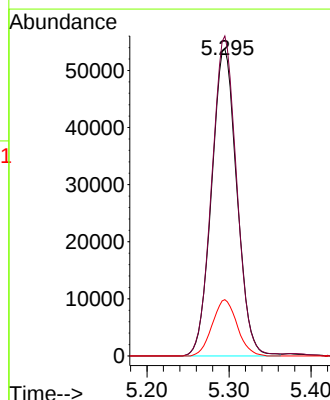
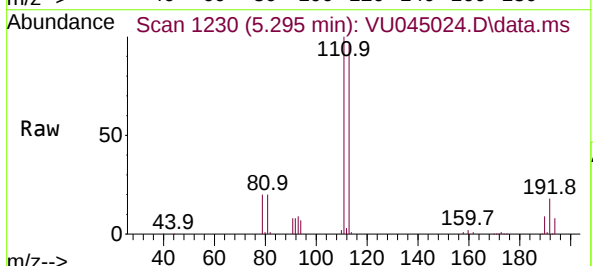
Tgt Ion:113 Resp: 115029

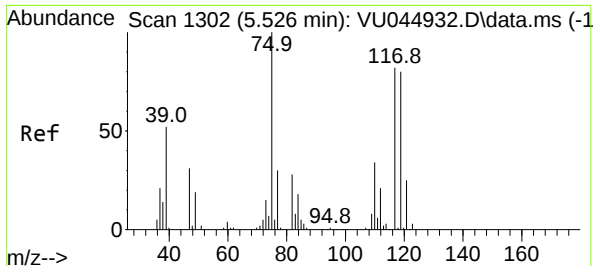
Ion Ratio Lower Upper

113 100

111 102.8 84.1 126.1

192 18.1 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.954 ug/l

RT: 5.378 min Scan# 1256

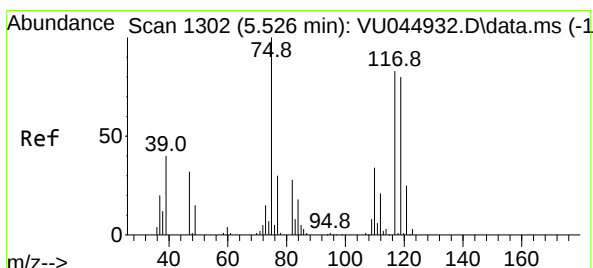
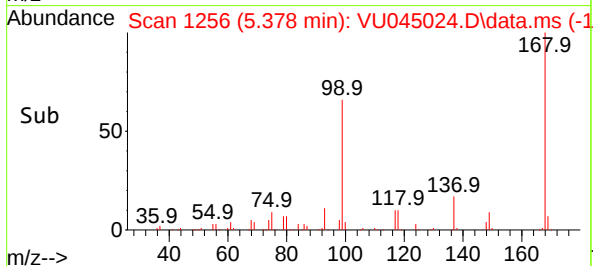
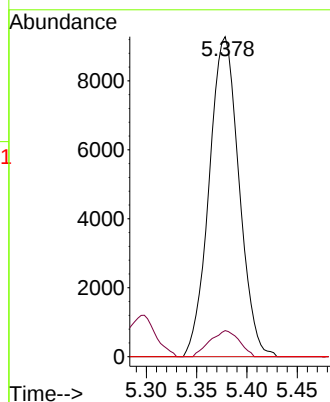
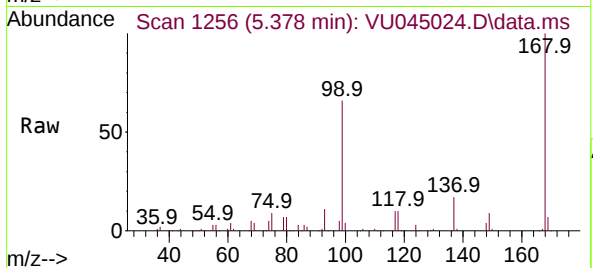
Delta R.T. -0.148 min

Lab File: VU045024.D

Acq: 30 Sep 2021 04:14

Tgt Ion:	75	Resp:	19180
Ion	Ratio	Lower	Upper
75	100		
110	8.0	16.3	48.9#
77	0.0	25.0	37.4#

Instrument :
MSVOA_U
ClientSampleId :
MW-1



#38

Carbon Tetrachloride

Concen: 6.486 ug/l

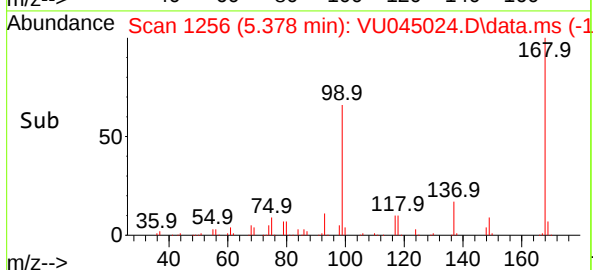
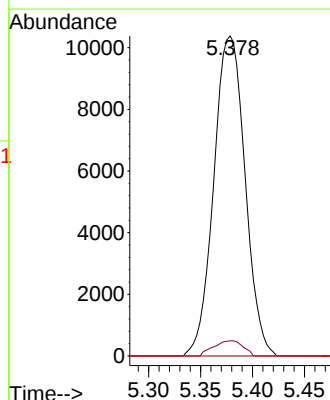
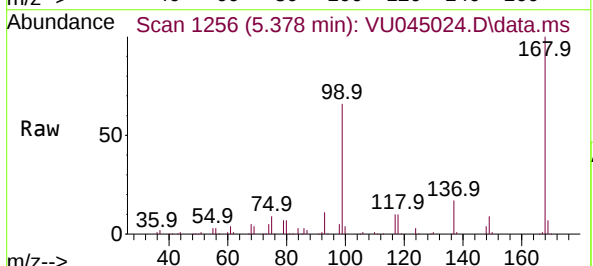
RT: 5.378 min Scan# 1256

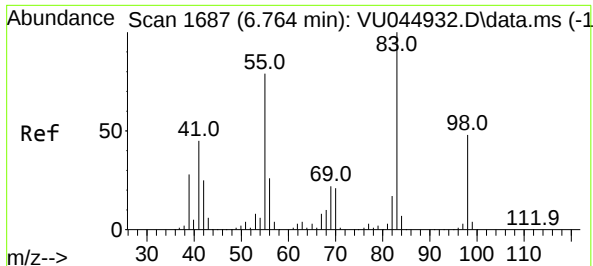
Delta R.T. -0.148 min

Lab File: VU045024.D

Acq: 30 Sep 2021 04:14

Tgt Ion:	117	Resp:	21730
Ion	Ratio	Lower	Upper
117	100		
119	4.7	77.4	116.2#
121	0.0	24.5	36.7#





#39

Methylcyclohexane

Concen: 0.221 ug/l

RT: 6.771 min Scan# 1689

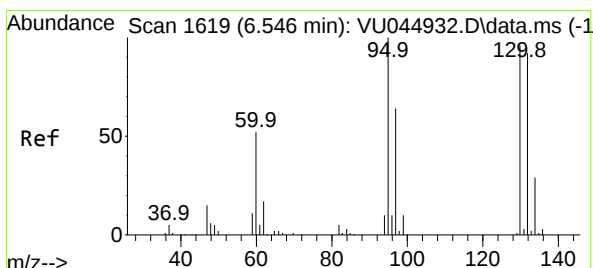
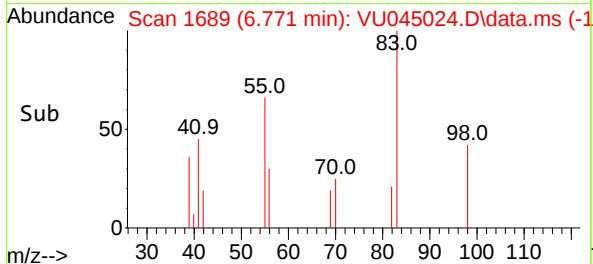
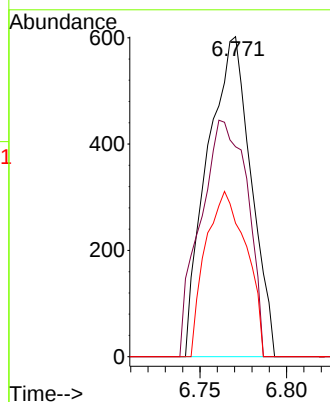
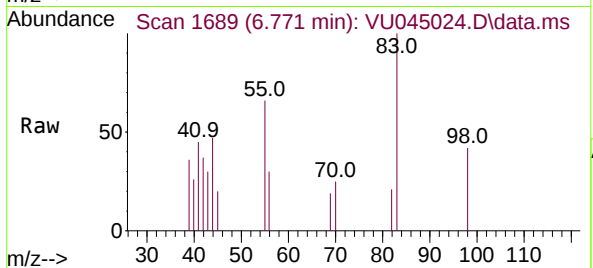
Delta R.T. 0.007 min

Lab File: VU045024.D

Acq: 30 Sep 2021 04:14

Tgt Ion:	83	Resp:	1052
Ion	Ratio	Lower	Upper
83	100		
55	65.6	66.2	99.4#
98	41.7	37.5	56.3

Instrument :
MSVOA_U
ClientSampleId :
MW-1



#44

Trichloroethene

Concen: 0.978 ug/l

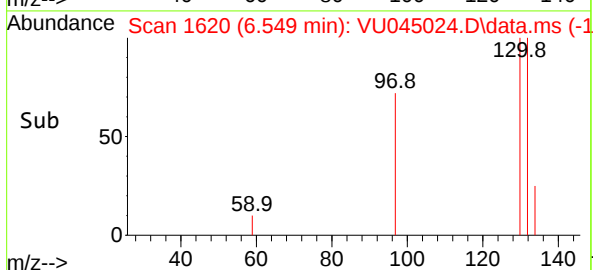
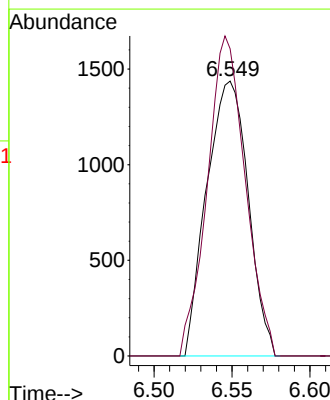
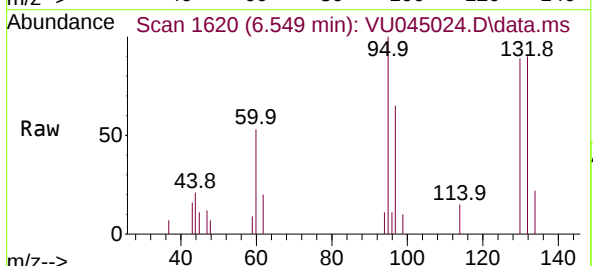
RT: 6.549 min Scan# 1620

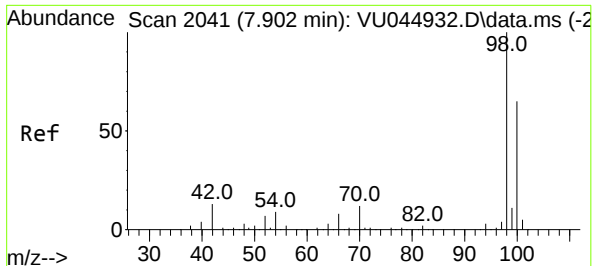
Delta R.T. 0.003 min

Lab File: VU045024.D

Acq: 30 Sep 2021 04:14

Tgt Ion:	130	Resp:	2660
Ion	Ratio	Lower	Upper
130	100		
95	111.8	0.0	209.0

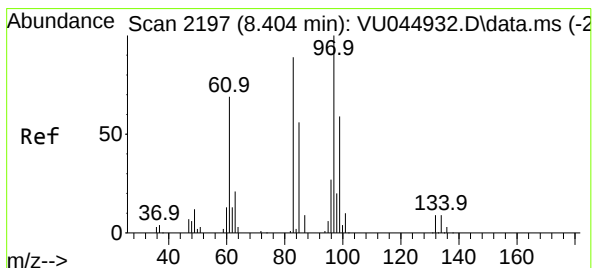
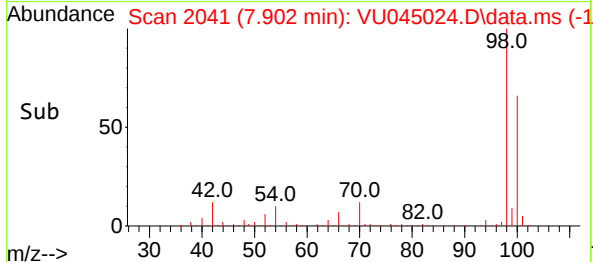
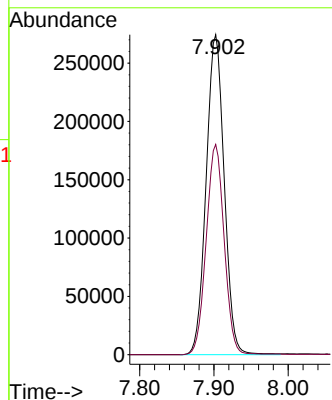
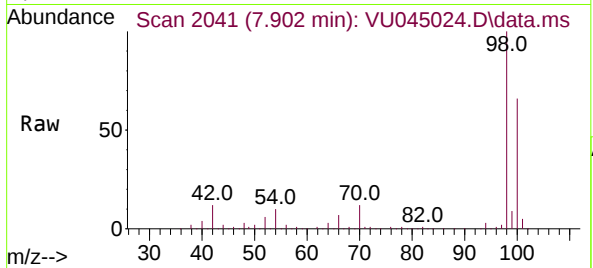




#50
Toluene-d8
Concen: 50.143 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VU045024.D
Acq: 30 Sep 2021 04:14

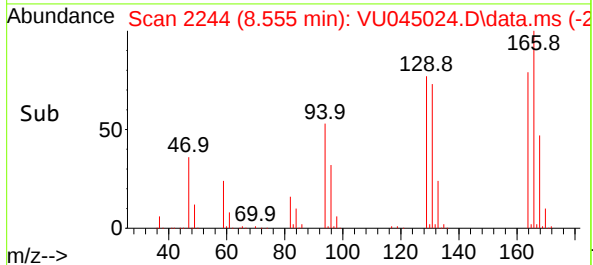
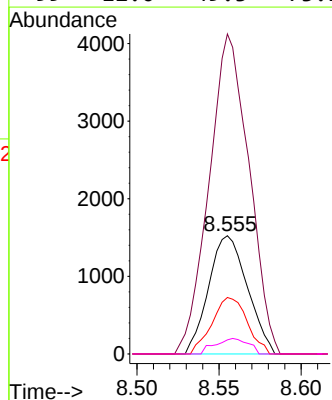
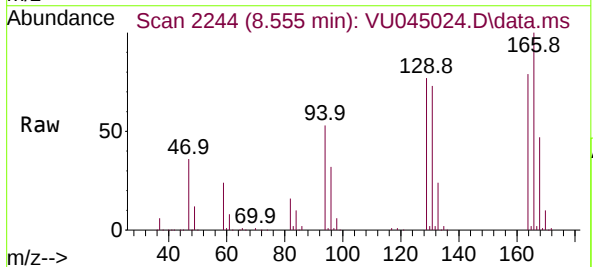
Instrument :
MSVOA_U
ClientSampled :
MW-1

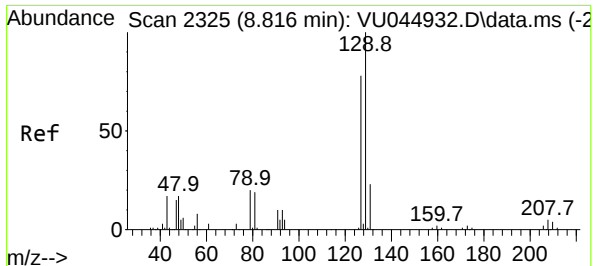
Tgt Ion: 98 Resp: 462752
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#55
1,1,2-Trichloroethane
Concen: 0.831 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. 0.151 min
Lab File: VU045024.D
Acq: 30 Sep 2021 04:14

Tgt Ion: 97 Resp: 2500
Ion Ratio Lower Upper
97 100
83 270.8 69.7 104.5#
85 47.7 44.8 67.2
99 12.0 49.3 73.9#

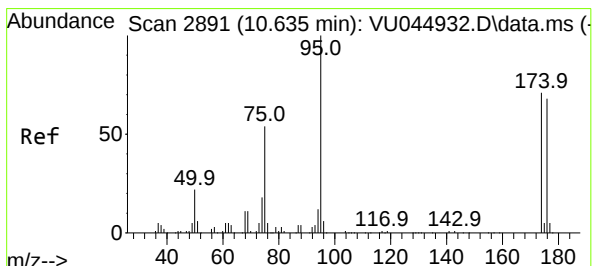
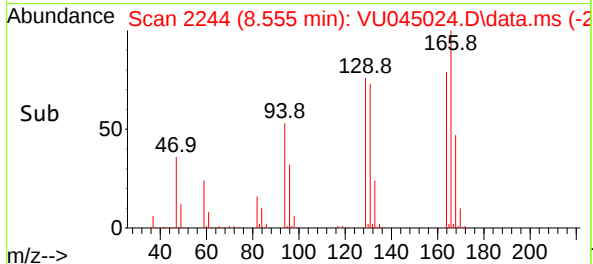
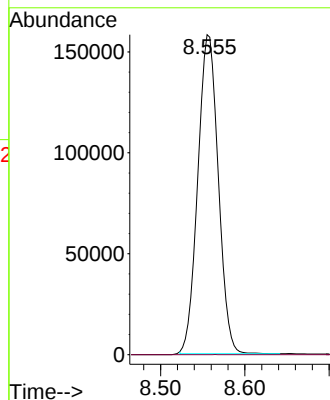
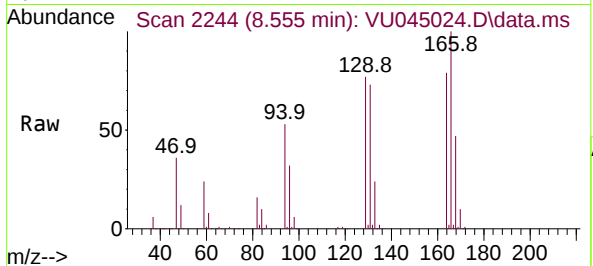




#60
Dibromochloromethane
Concen: 82.379 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. -0.261 min
Lab File: VU045024.D
Acq: 30 Sep 2021 04:14

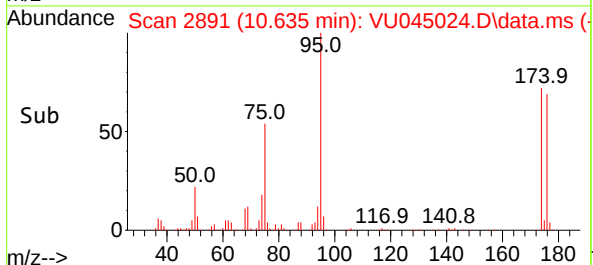
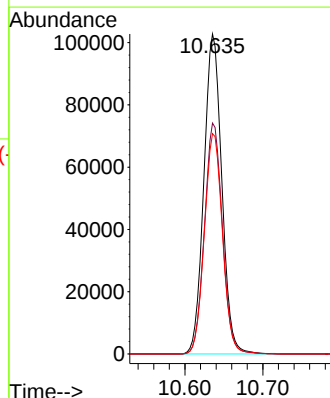
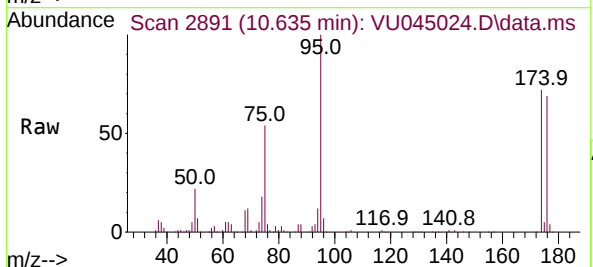
Instrument :
MSVOA_U
ClientSampleId :
MW-1

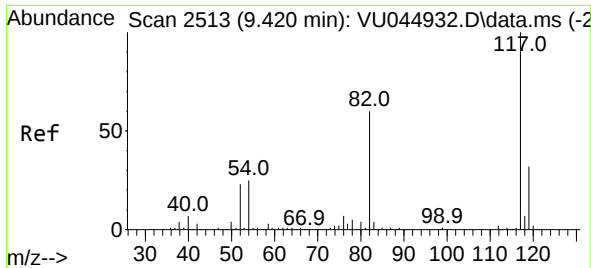
Tgt Ion:129 Resp: 267378
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 43.010 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU045024.D
Acq: 30 Sep 2021 04:14

Tgt Ion: 95 Resp: 163871
Ion Ratio Lower Upper
95 100
174 72.4 0.0 146.6
176 69.7 0.0 141.2



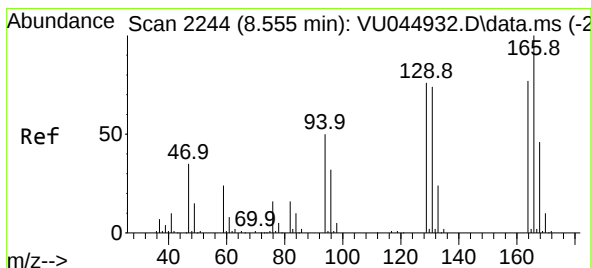
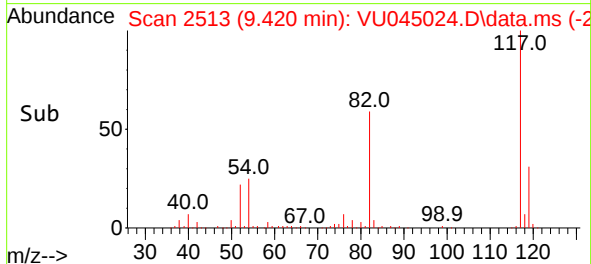
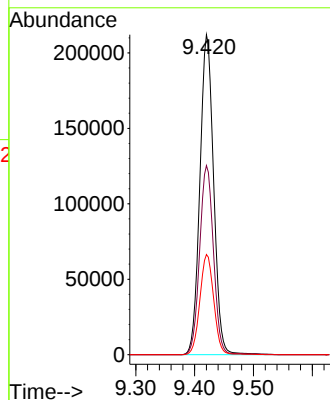
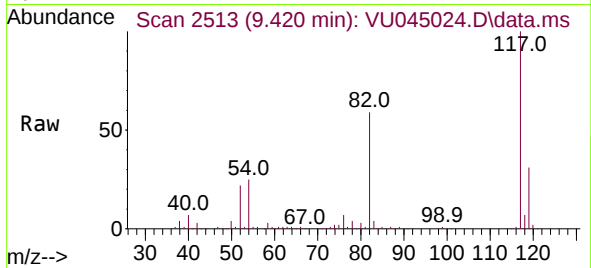


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. -0.000 min
Lab File: VU045024.D
Acq: 30 Sep 2021 04:14

Instrument :
MSVOA_U
ClientSampleId :
MW-1

Tgt Ion:117 Resp: 344275

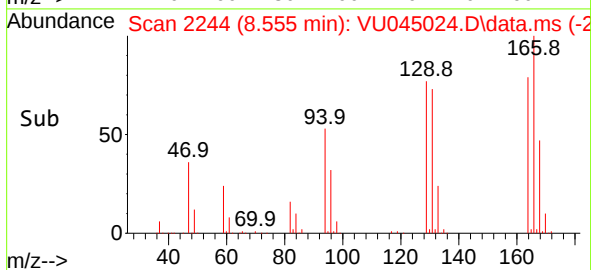
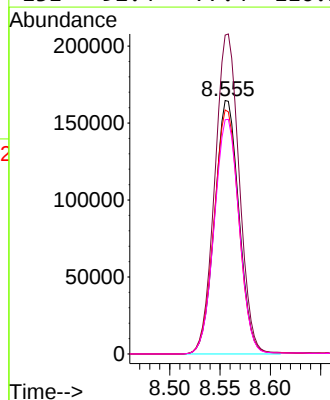
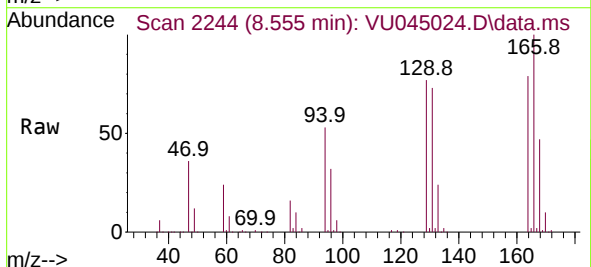
Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.8	71.8
119	31.3	25.8	38.6

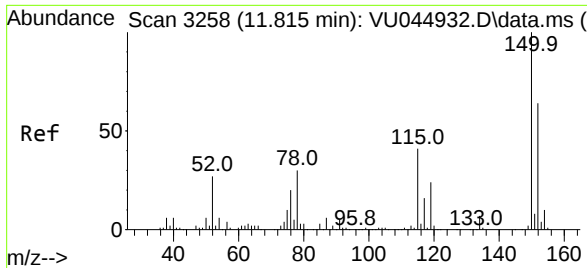


#64
Tetrachloroethene
Concen: 123.204 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU045024.D
Acq: 30 Sep 2021 04:14

Tgt Ion:164 Resp: 276839

Ion	Ratio	Lower	Upper
164	100		
166	125.8	102.8	154.2
129	96.3	79.4	119.2
131	92.4	77.4	116.2

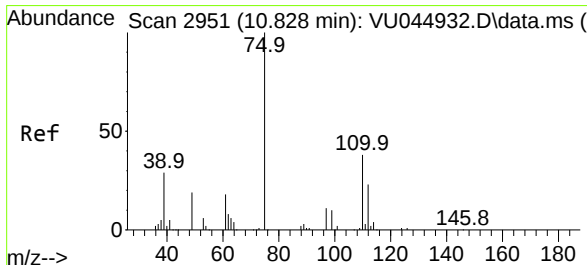
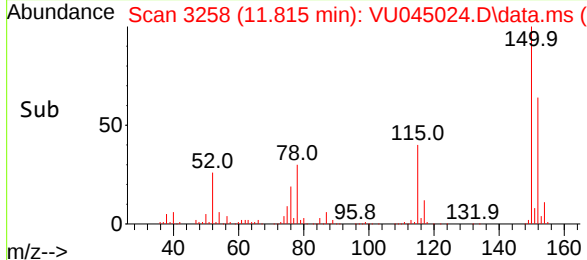
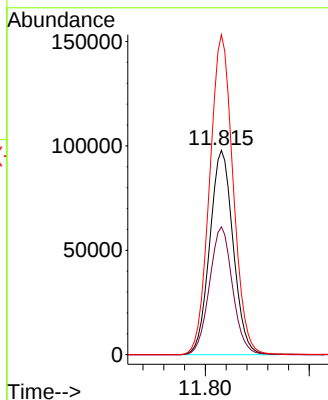
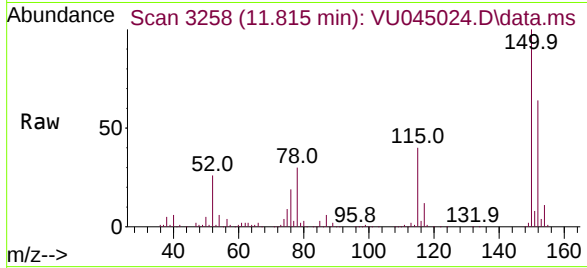




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.815 min Scan# 3258
 Delta R.T. 0.000 min
 Lab File: VU045024.D
 Acq: 30 Sep 2021 04:14

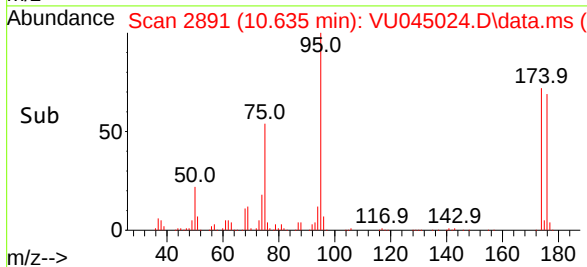
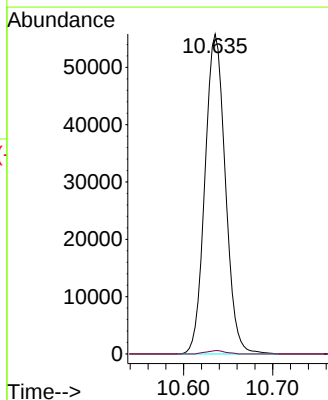
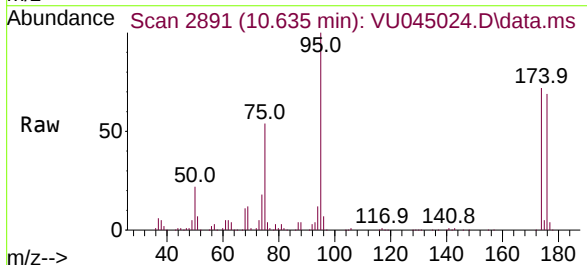
Instrument :
 MSVOA_U
 ClientSampled :
 MW-1

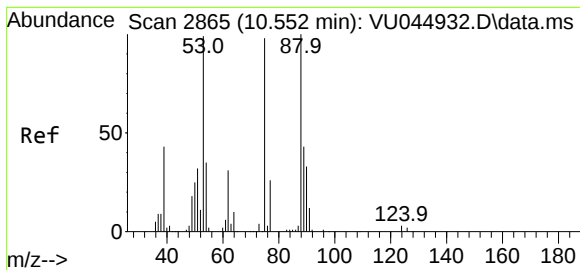
Tgt Ion:152 Resp: 153144
 Ion Ratio Lower Upper
 152 100
 115 61.8 43.5 130.7
 150 156.9 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 19.867 ug/l
 RT: 10.635 min Scan# 2891
 Delta R.T. -0.193 min
 Lab File: VU045024.D
 Acq: 30 Sep 2021 04:14

Tgt Ion: 75 Resp: 88744
 Ion Ratio Lower Upper
 75 100
 77 1.0 17.9 53.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.134 ug/l
 RT: 10.635 min Scan# 2891
 Delta R.T. 0.083 min
 Lab File: VU045024.D
 Acq: 30 Sep 2021 04:14

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1

Tgt Ion: 75 Resp: 88744
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.0 123.0#
 89 0.0 34.2 51.4#

