

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092521\
 Data File : VU044848.D
 Acq On : 25 Sep 2021 19:41
 Operator : SY/MD
 Sample : M3859-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 1028-MW-02

Quant Time: Sep 27 01:35:09 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)

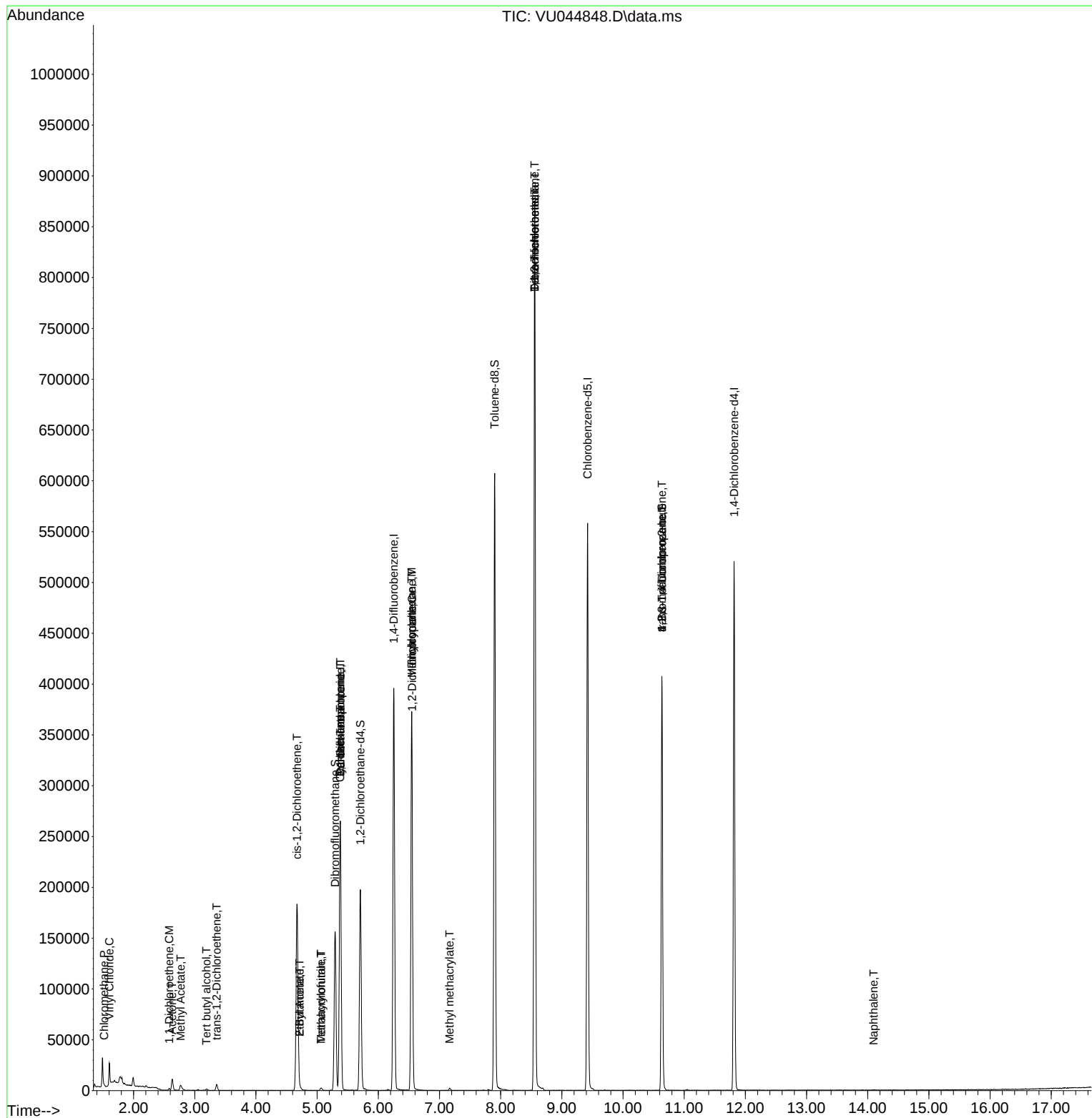
Internal Standards						
1) Pentafluorobenzene	5.379	168	170017	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	299021	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	283678	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	125228	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	147808	49.813	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.620%	
35) Dibromofluoromethane	5.295	113	99996	48.747	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.500%	
50) Toluene-d8	7.903	98	385997	49.823	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.640%	
62) 4-Bromofluorobenzene	10.636	95	130831	45.466	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.940%	
Target Compounds					Qvalue	
3) Chloromethane	1.520	50	655	0.212	ug/l #	87
4) Vinyl Chloride	1.607	62	7388	2.562	ug/l #	75
5) Bromomethane	1.855	94	397	Below Cal		94
6) Chloroethane	2.105	64	250	Below Cal	#	42
11) Tert butyl alcohol	3.189	59	1217	1.405	ug/l #	72
12) 1,1-Dichloroethene	2.584	96	650	0.318	ug/l	86
16) Acetone	2.629	43	13099	7.826	ug/l	99
18) Methyl Acetate	2.768	43	2034	0.364	ug/l #	52
21) trans-1,2-Dichloroethene	3.359	96	2423	1.105	ug/l	93
25) 2-Butanone	4.713	43	4197	1.653	ug/l	92
27) cis-1,2-Dichloroethene	4.671	96	92143	34.566	ug/l	90
29) Tetrahydrofuran	5.067	42	1751	1.096	ug/l #	82
31) Cyclohexane	5.375	56	4772	1.120	ug/l #	3
36) 1,1-Dichloropropene	5.379	75	16001	5.043	ug/l #	49
37) Ethyl Acetate	4.713	43	4197	0.902	ug/l #	69
38) Carbon Tetrachloride	5.379	117	19129	6.744	ug/l #	16
39) Methylcyclohexane	6.549	83	1614	0.450	ug/l #	1
41) Methacrylonitrile	5.063	41	1025	0.441	ug/l #	47
44) Trichloroethene	6.546	130	116195	49.981	ug/l	98
45) 1,2-Dichloropropane	6.552	63	635	0.243	ug/l #	1
48) Methyl methacrylate	7.166	41	827	0.269	ug/l #	32
55) 1,1,2-Trichloroethane	8.555	97	1713	0.693	ug/l #	1
60) Dibromochloromethane	8.555	129	175577	74.154	ug/l #	10
64) Tetrachloroethene	8.555	164	179966	93.594	ug/l	99
76) 1,2,3-Trichloropropane	10.636	75	72800	19.198	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	72800	62.190	ug/l #	9
95) Naphthalene	14.098	128	250	0.969	ug/l #	69

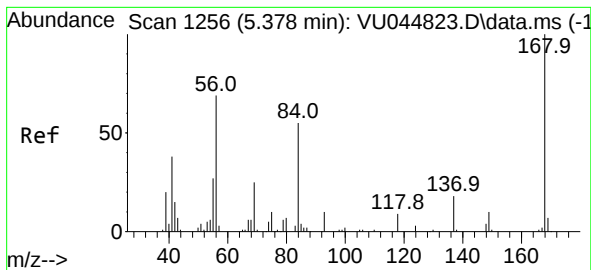
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092521\
Data File : VU044848.D
Acq On : 25 Sep 2021 19:41
Operator : SY/MD
Sample : M3859-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
1028-MW-02

Quant Time: Sep 27 01:35:09 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

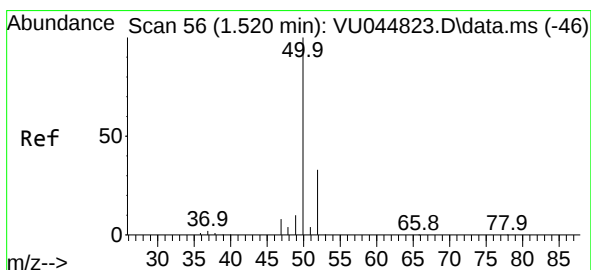
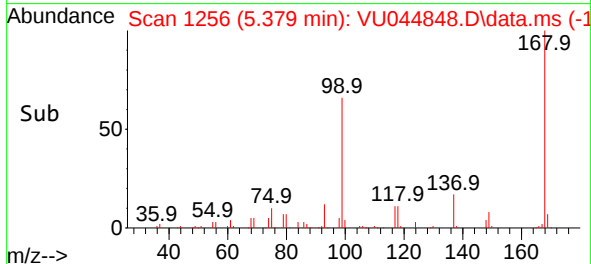
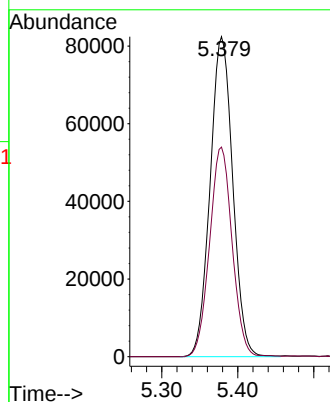
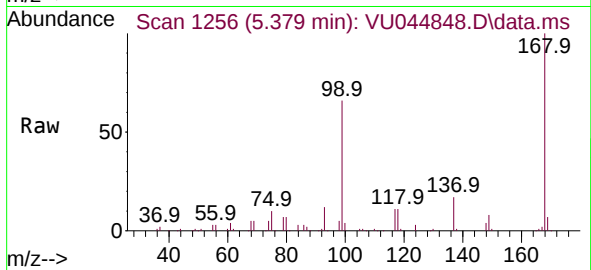




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. 0.001 min
Lab File: VU044848.D
Acq: 25 Sep 2021 19:41

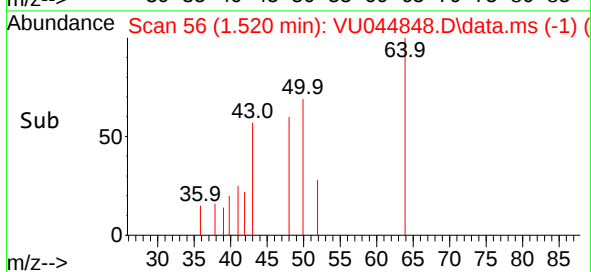
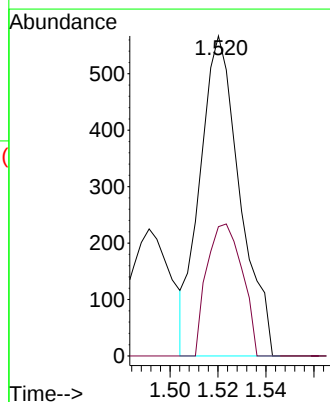
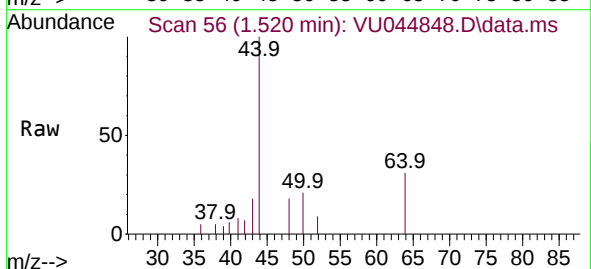
Instrument :
MSVOA_U
ClientSampleId :
1028-MW-02

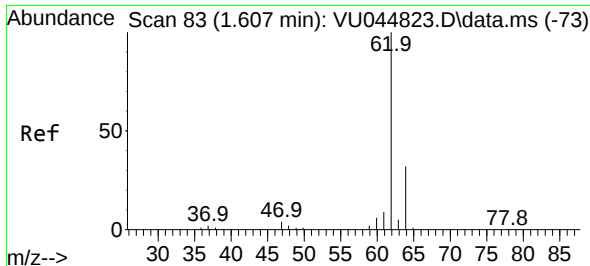
Tgt Ion:168 Resp: 170017
Ion Ratio Lower Upper
168 100
99 65.5 51.4 77.0



#3
Chloromethane
Concen: 0.212 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU044848.D
Acq: 25 Sep 2021 19:41

Tgt Ion: 50 Resp: 655
Ion Ratio Lower Upper
50 100
52 40.4 26.3 39.5#

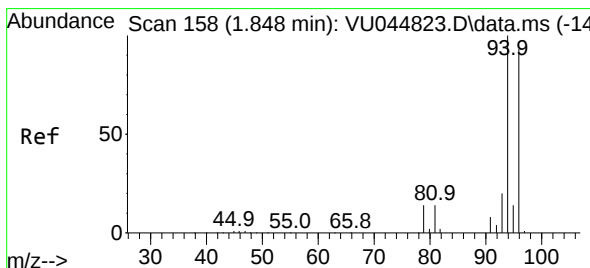
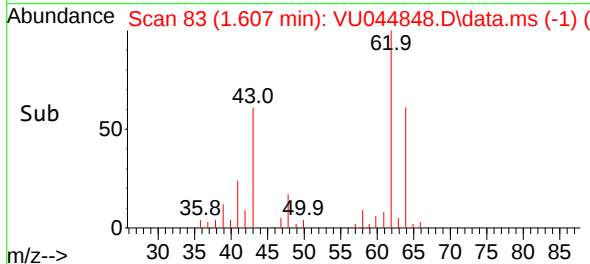
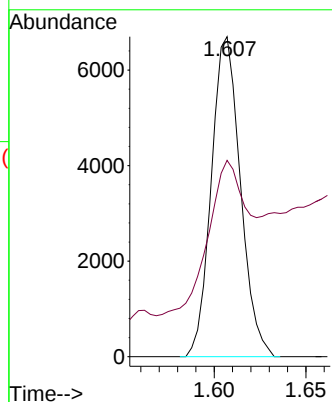
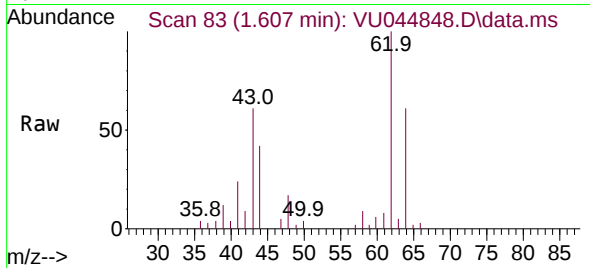




#4
 Vinyl Chloride
 Concen: 2.562 ug/l
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU044848.D
 Acq: 25 Sep 2021 19:41

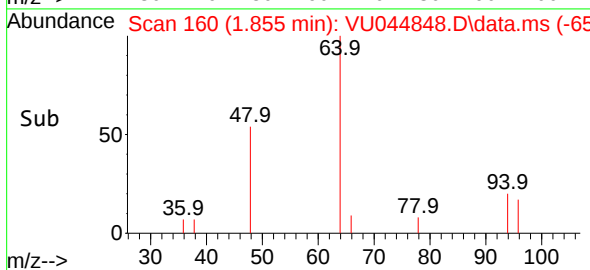
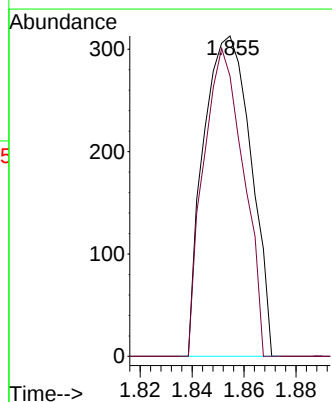
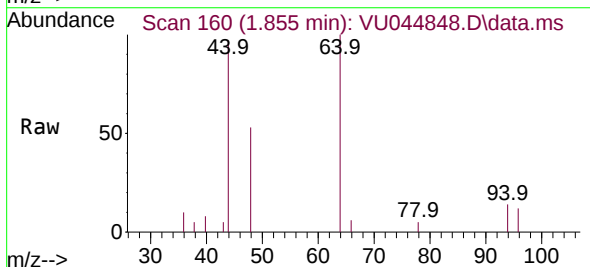
Instrument :
 MSVOA_U
 ClientSampleId :
 1028-MW-02

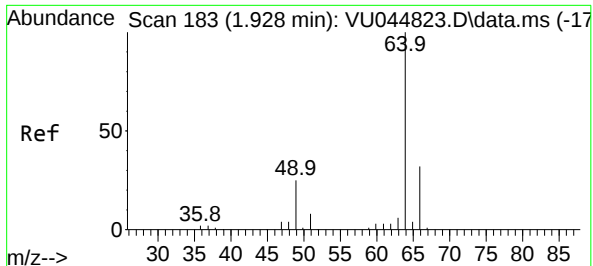
Tgt Ion: 62 Resp: 7388
 Ion Ratio Lower Upper
 62 100
 64 46.2 25.6 38.4#



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.855 min Scan# 160
 Delta R.T. 0.007 min
 Lab File: VU044848.D
 Acq: 25 Sep 2021 19:41

Tgt Ion: 94 Resp: 397
 Ion Ratio Lower Upper
 94 100
 96 87.5 74.5 111.7

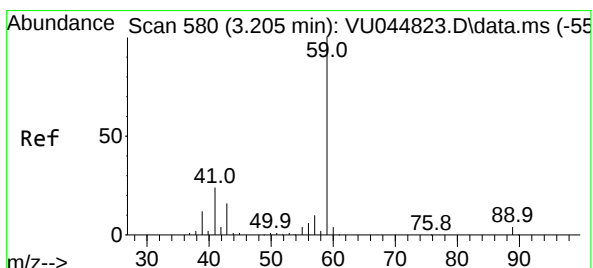
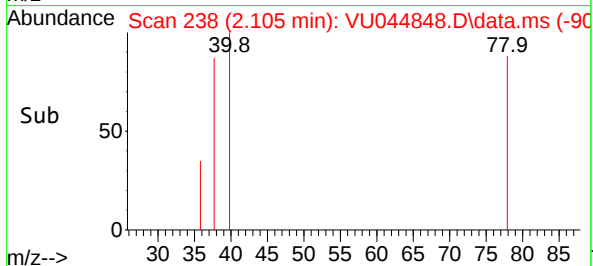
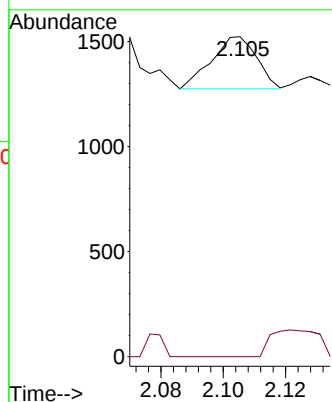
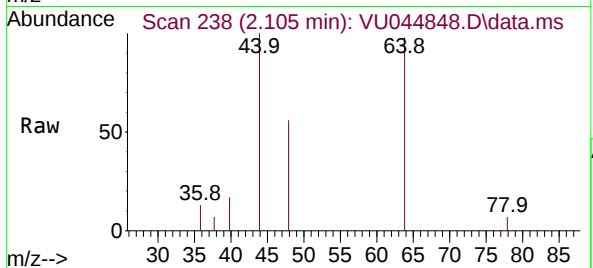




#6
Chloroethane
Concen: Below Cal
RT: 2.105 min Scan# 238
Delta R.T. 0.177 min
Lab File: VU044848.D
Acq: 25 Sep 2021 19:41

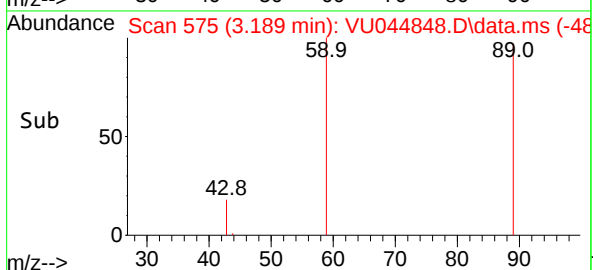
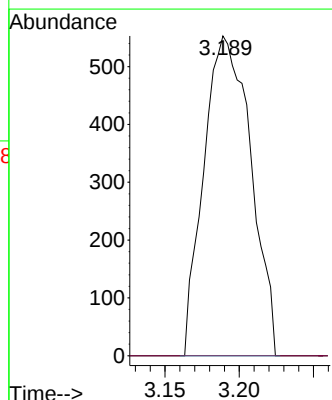
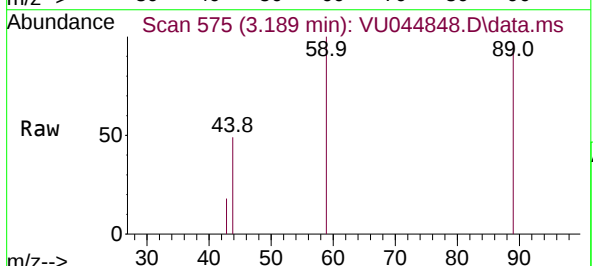
Instrument :
MSVOA_U
ClientSampleId :
1028-MW-02

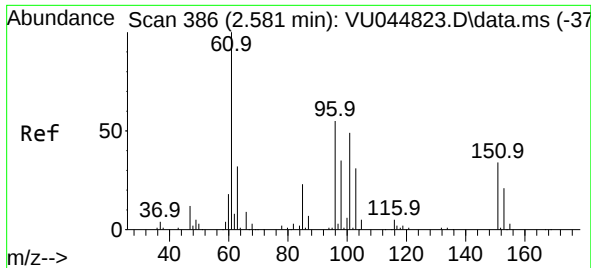
Tgt Ion: 64 Resp: 250
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#



#11
Tert butyl alcohol
Concen: 1.405 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.016 min
Lab File: VU044848.D
Acq: 25 Sep 2021 19:41

Tgt Ion: 59 Resp: 1217
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

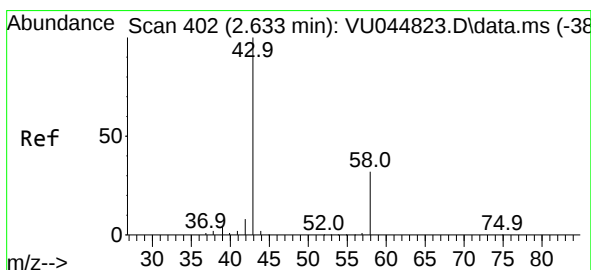
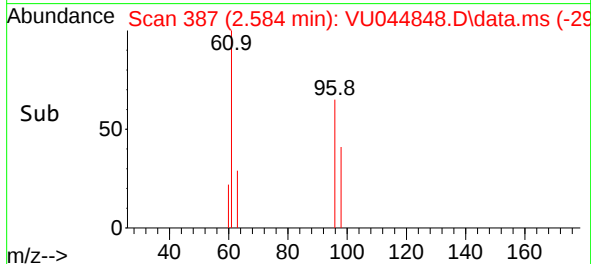
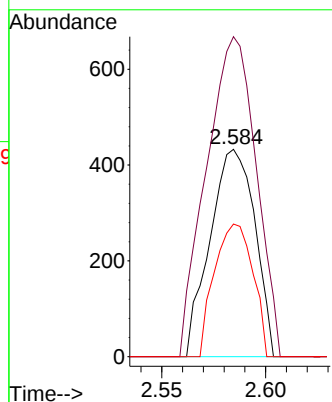
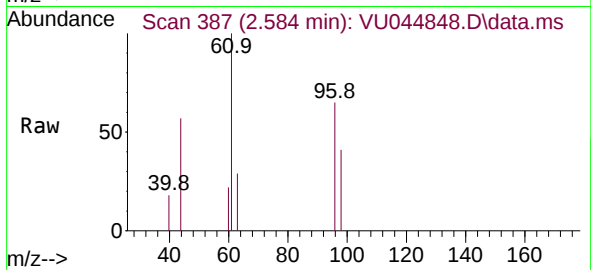




#12
1,1-Dichloroethene
Concen: 0.318 ug/l
RT: 2.584 min Scan# 387
Delta R.T. 0.003 min
Lab File: VU044848.D
Acq: 25 Sep 2021 19:41

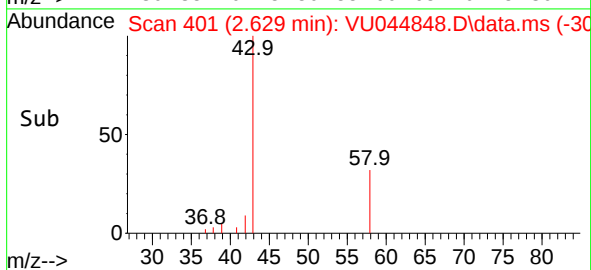
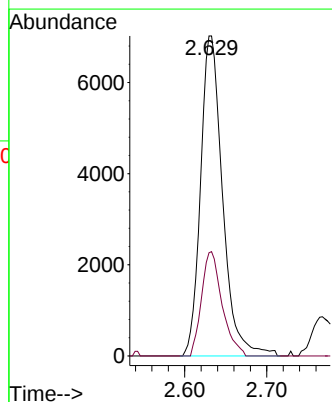
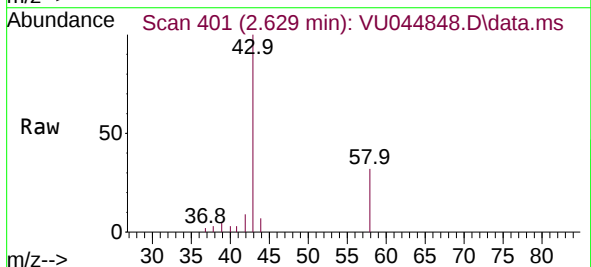
Instrument :
MSVOA_U
ClientSampled :
1028-MW-02

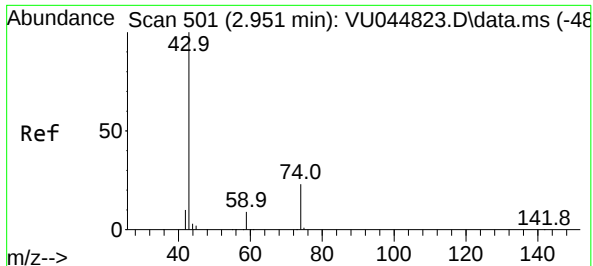
Tgt Ion: 96 Resp: 650
Ion Ratio Lower Upper
96 100
61 154.3 145.4 218.0
98 64.0 50.9 76.3



#16
Acetone
Concen: 7.826 ug/l
RT: 2.629 min Scan# 401
Delta R.T. -0.003 min
Lab File: VU044848.D
Acq: 25 Sep 2021 19:41

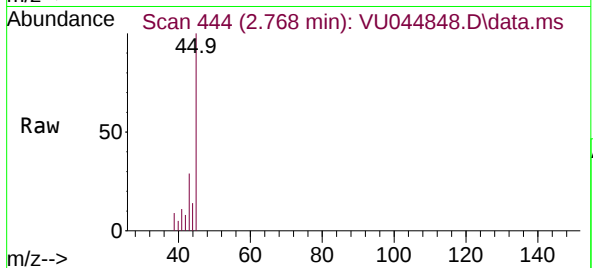
Tgt Ion: 43 Resp: 13099
Ion Ratio Lower Upper
43 100
58 32.3 25.2 37.8



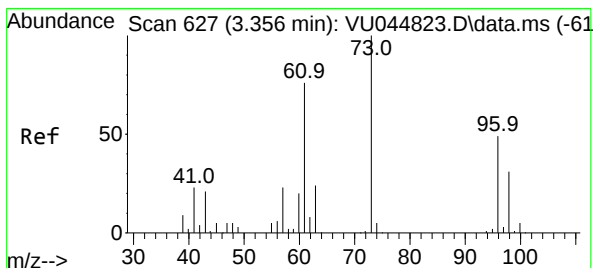
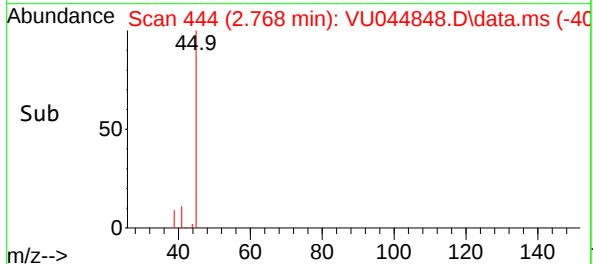
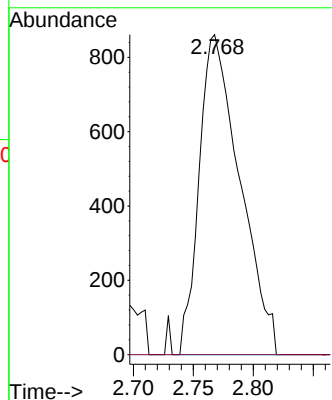


#18
Methyl Acetate
Concen: 0.364 ug/l
RT: 2.768 min Scan# 444
Delta R.T. -0.183 min
Lab File: VU044848.D
Acq: 25 Sep 2021 19:41

Instrument :
MSVOA_U
ClientSampleId :
1028-MW-02

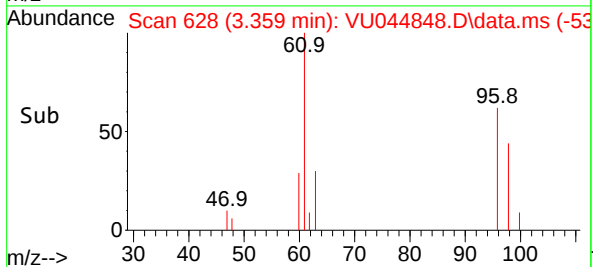
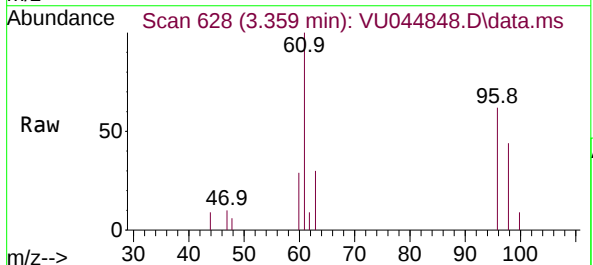
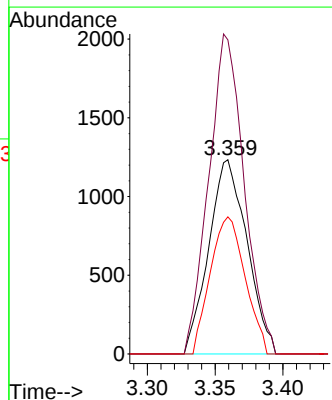


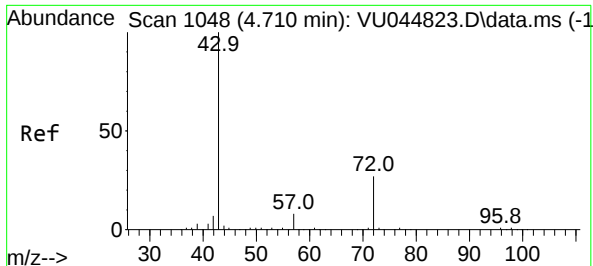
Tgt Ion: 43 Resp: 2034
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#



#21
trans-1,2-Dichloroethene
Concen: 1.105 ug/l
RT: 3.359 min Scan# 628
Delta R.T. 0.003 min
Lab File: VU044848.D
Acq: 25 Sep 2021 19:41

Tgt Ion: 96 Resp: 2423
Ion Ratio Lower Upper
96 100
61 161.7 123.2 184.8
98 70.6 51.0 76.6





#25

2-Butanone

Concen: 1.653 ug/l

RT: 4.713 min Scan# 1049

Delta R.T. 0.003 min

Lab File: VU044848.D

Acq: 25 Sep 2021 19:41

Tgt Ion: 43 Resp: 4197

Ion Ratio Lower Upper

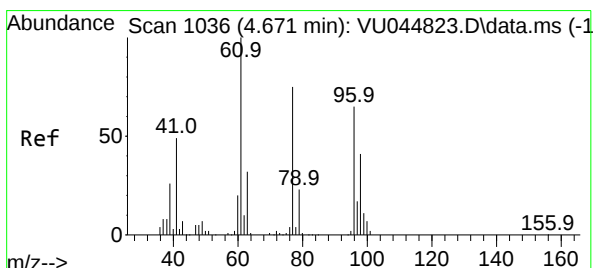
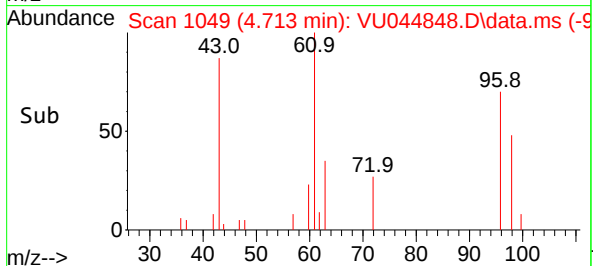
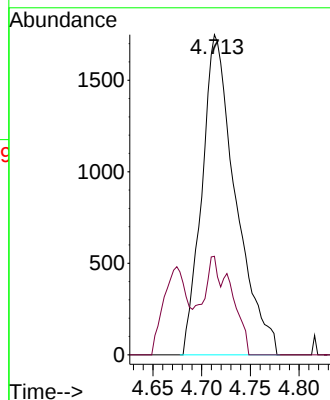
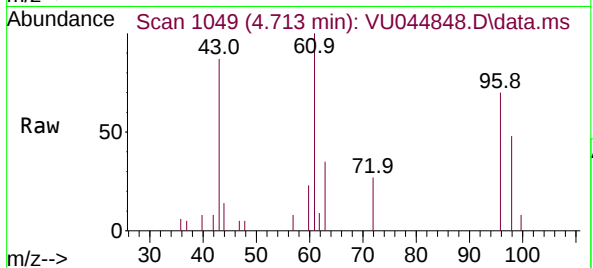
Ion	Ratio	Lower	Upper
43	100		
72	30.8	21.3	31.9

Instrument :

MSVOA_U

ClientSampled :

1028-MW-02



#27

cis-1,2-Dichloroethene

Concen: 34.566 ug/l

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

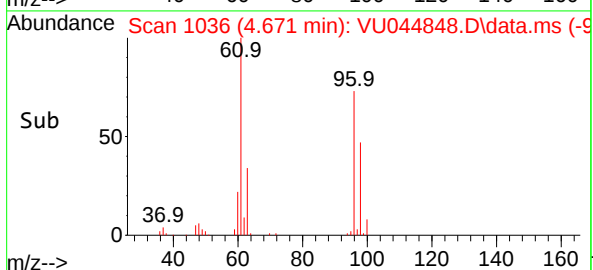
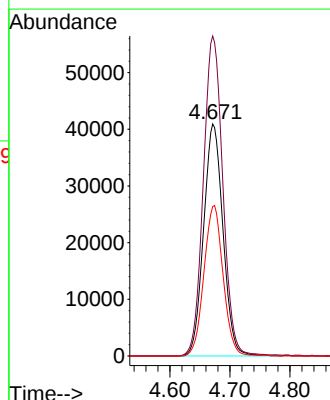
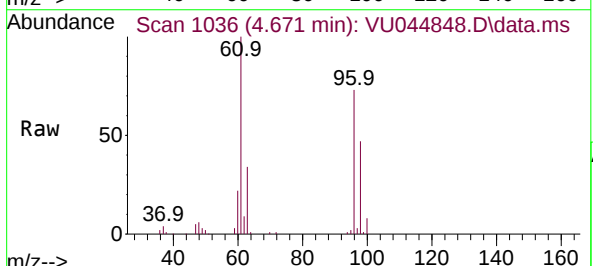
Lab File: VU044848.D

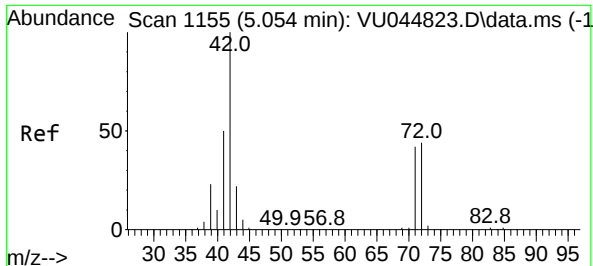
Acq: 25 Sep 2021 19:41

Tgt Ion: 96 Resp: 92143

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
96	100		
61	138.4	0.0	313.4
98	64.0	0.0	127.0





#29

Tetrahydrofuran

Concen: 1.096 ug/l

RT: 5.067 min Scan# 1159

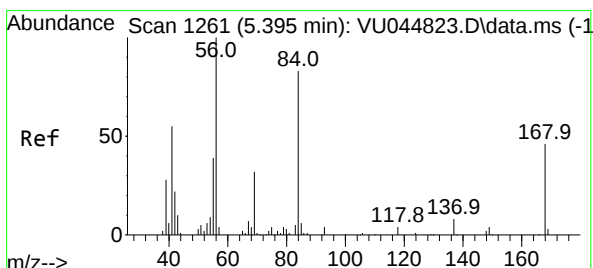
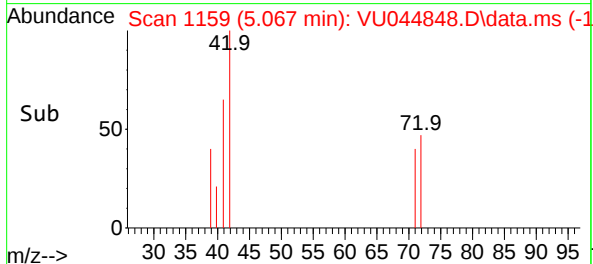
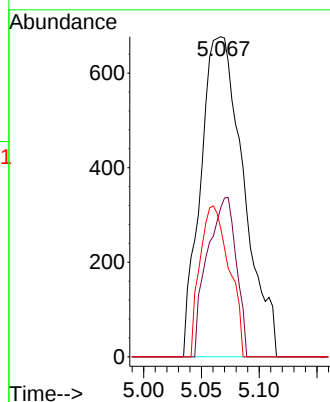
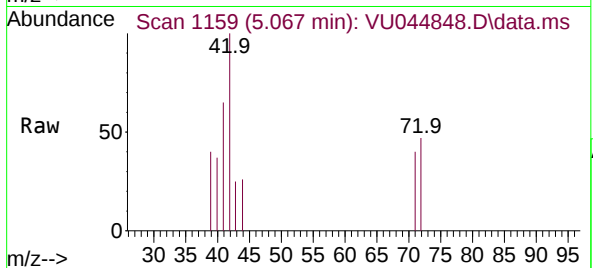
Delta R.T. 0.013 min

Lab File: VU044848.D

Acq: 25 Sep 2021 19:41

Instrument :
MSVOA_U
ClientSampled :
1028-MW-02

Tgt Ion:	42	Resp:	1751
Ion	Ratio	Lower	Upper
42	100		
72	33.4	36.2	54.4#
71	31.9	34.1	51.1#



#31

Cyclohexane

Concen: 1.120 ug/l

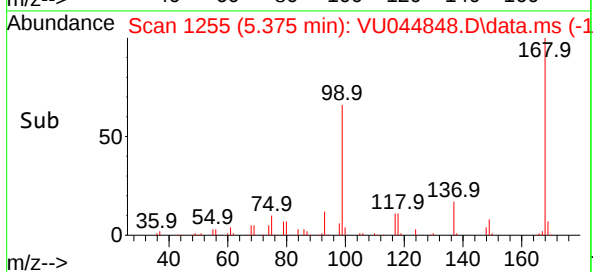
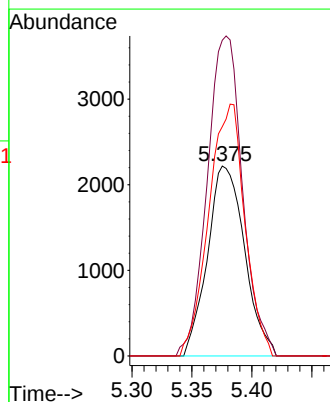
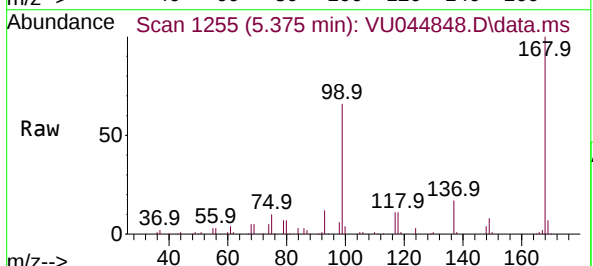
RT: 5.375 min Scan# 1255

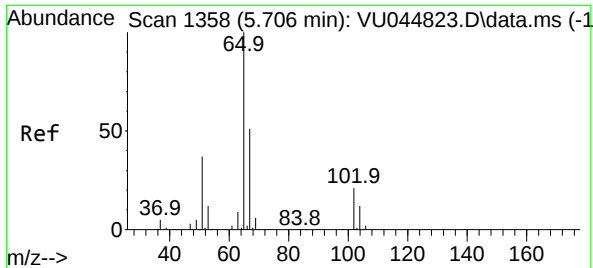
Delta R.T. -0.019 min

Lab File: VU044848.D

Acq: 25 Sep 2021 19:41

Tgt Ion:	56	Resp:	4772
Ion	Ratio	Lower	Upper
56	100		
69	166.1	25.2	37.8#
84	120.7	66.4	99.6#

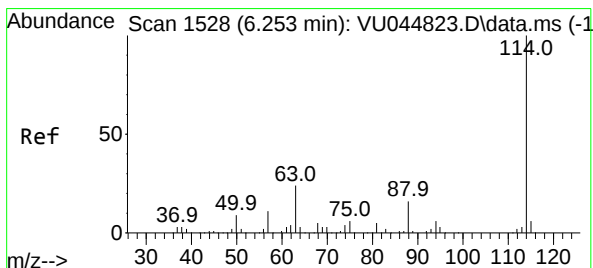
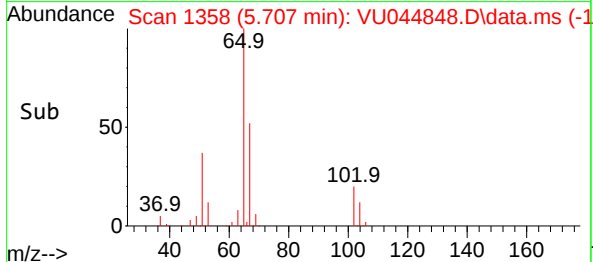
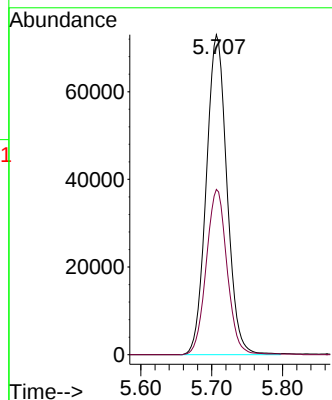
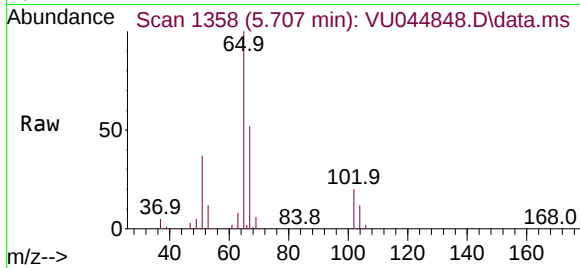




#33
1,2-Dichloroethane-d4
Concen: 49.813 ug/l
RT: 5.707 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VU044848.D
Acq: 25 Sep 2021 19:41

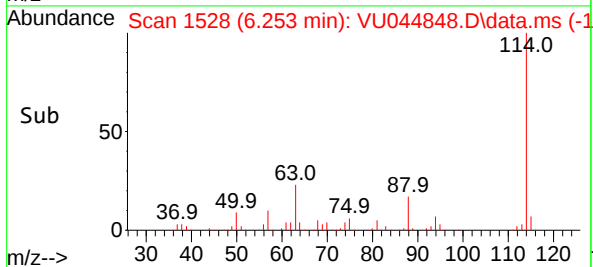
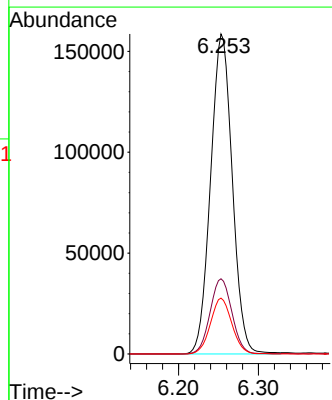
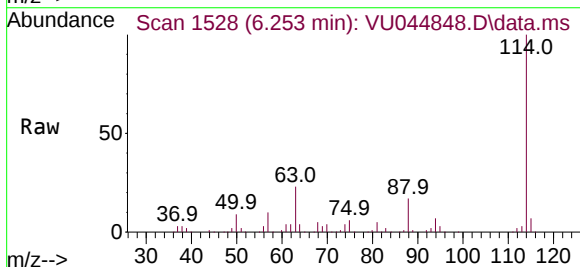
Instrument :
MSVOA_U
ClientSampleId :
1028-MW-02

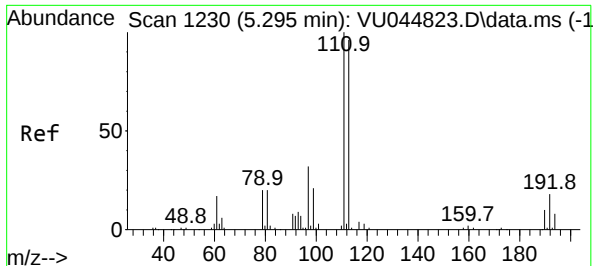
Tgt Ion: 65 Resp: 147808
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. 0.000 min
Lab File: VU044848.D
Acq: 25 Sep 2021 19:41

Tgt Ion: 114 Resp: 299021
Ion Ratio Lower Upper
114 100
63 23.5 0.0 47.8
88 17.5 0.0 32.8

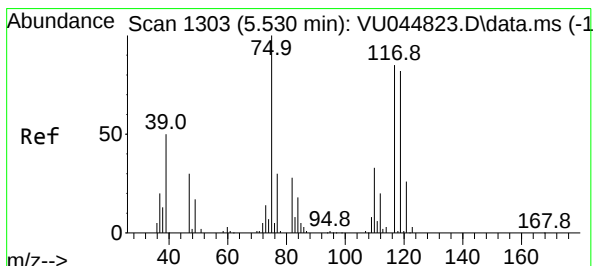
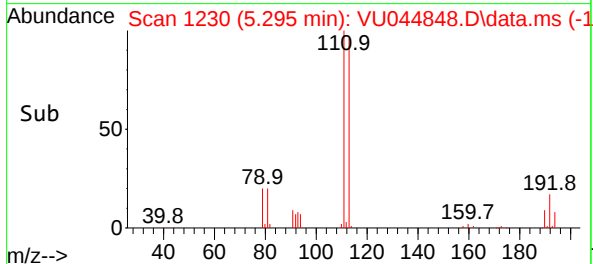
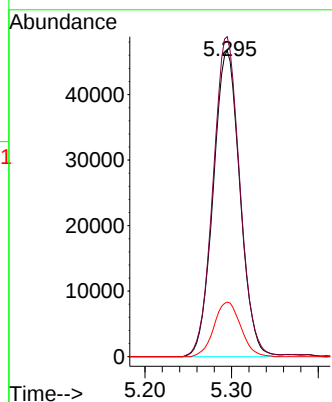
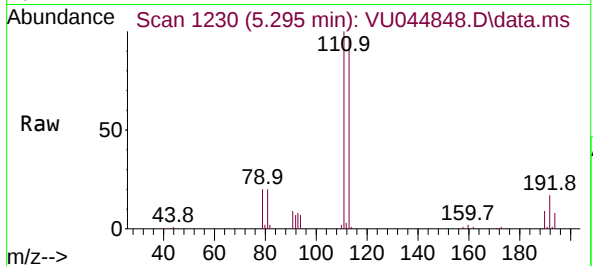




#35
Dibromofluoromethane
Concen: 48.747 ug/l
RT: 5.295 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VU044848.D
Acq: 25 Sep 2021 19:41

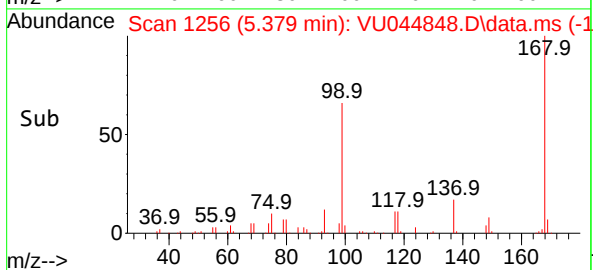
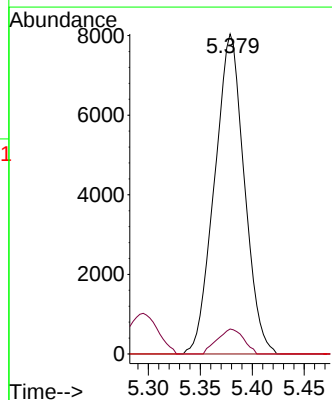
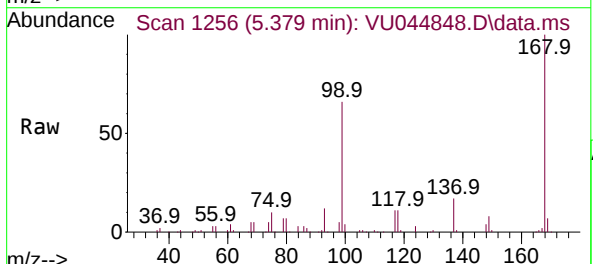
Instrument :
MSVOA_U
ClientSampleId :
1028-MW-02

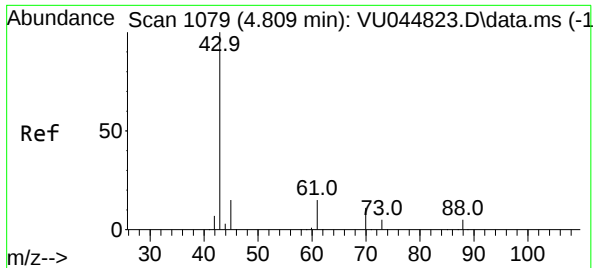
Tgt Ion:	113	Resp:	99996
Ion	Ratio	Lower	Upper
113	100		
111	104.4	84.1	126.1
192	17.8	14.8	22.2



#36
1,1-Dichloropropene
Concen: 5.043 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU044848.D
Acq: 25 Sep 2021 19:41

Tgt Ion:	75	Resp:	16001
Ion	Ratio	Lower	Upper
75	100		
110	6.9	16.3	48.9#
77	0.0	25.0	37.4#

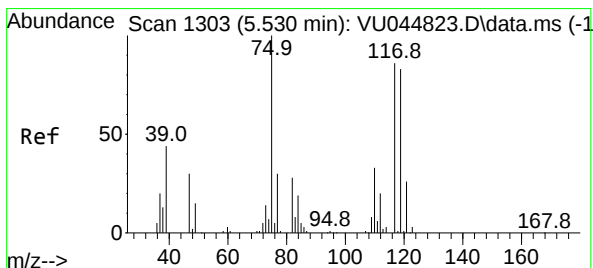
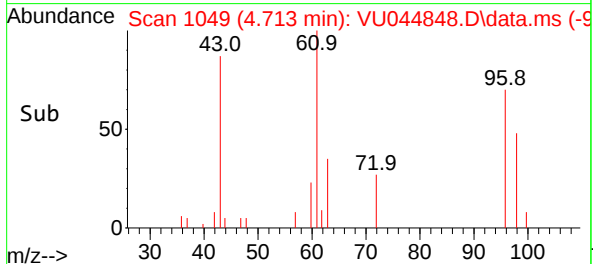
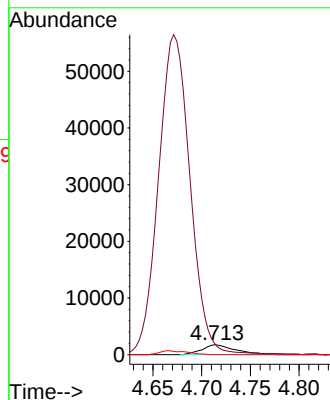
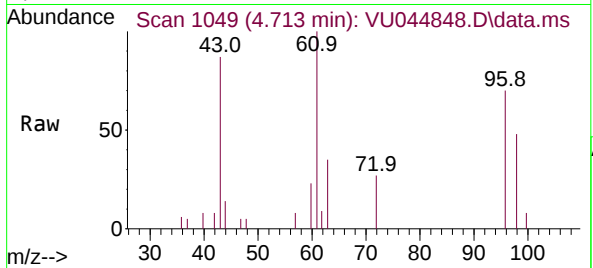




#37
Ethyl Acetate
Concen: 0.902 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. -0.096 min
Lab File: VU044848.D
Acq: 25 Sep 2021 19:41

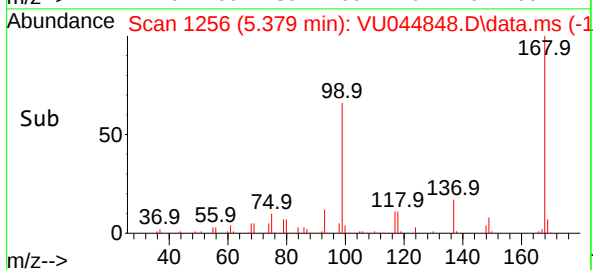
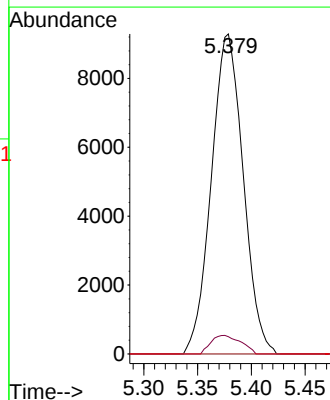
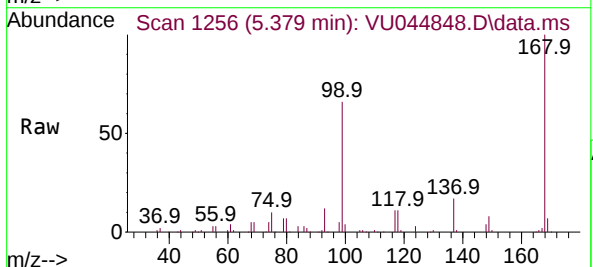
Instrument :
MSVOA_U
ClientSampled :
1028-MW-02

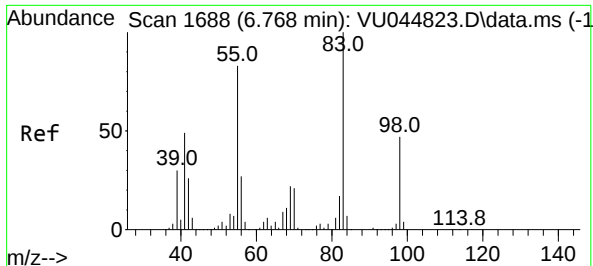
Tgt Ion: 43 Resp: 4197
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 6.744 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU044848.D
Acq: 25 Sep 2021 19:41

Tgt Ion: 117 Resp: 19129
Ion Ratio Lower Upper
117 100
119 5.4 77.4 116.2#
121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 0.450 ug/l

RT: 6.549 min Scan# 1620

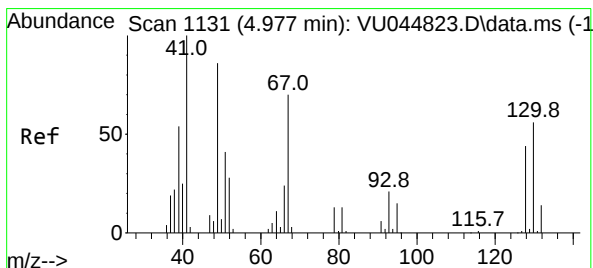
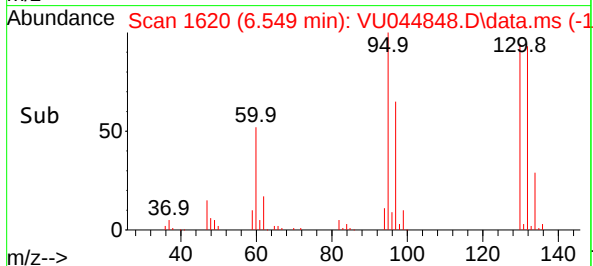
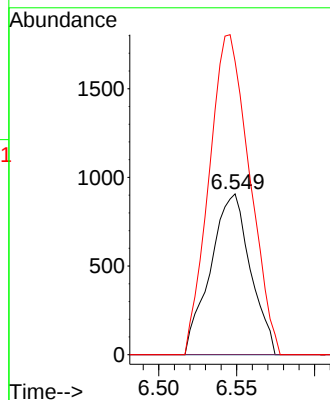
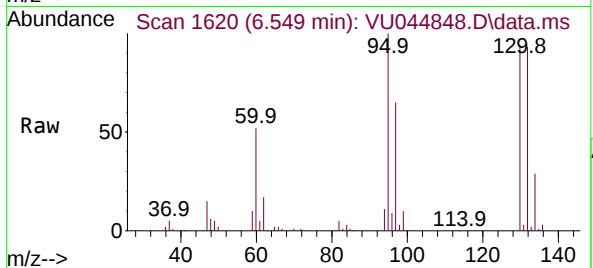
Delta R.T. -0.219 min

Lab File: VU044848.D

Acq: 25 Sep 2021 19:41

Tgt Ion:	83	Resp:	1614
Ion	Ratio	Lower	Upper
83	100		
55	0.0	66.2	99.4#
98	182.4	37.5	56.3#

Instrument :
MSVOA_U
ClientSampleId :
1028-MW-02



#41

Methacrylonitrile

Concen: 0.441 ug/l

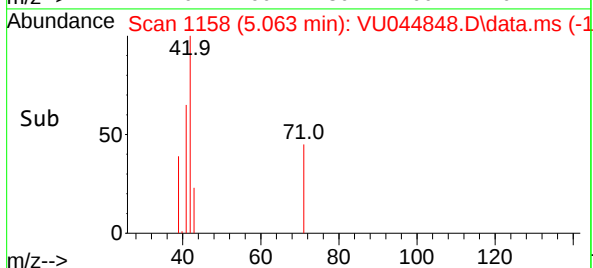
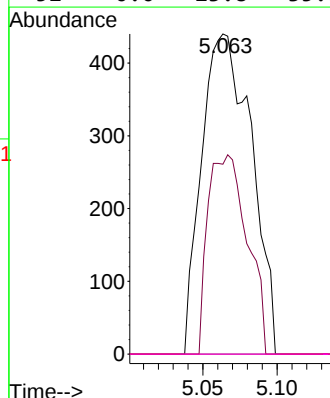
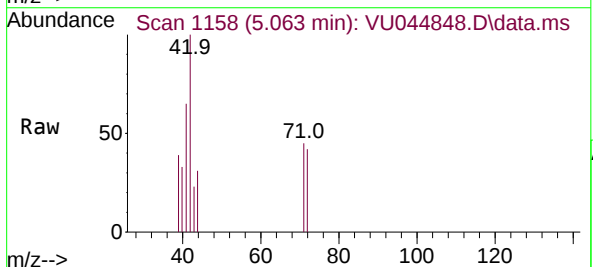
RT: 5.063 min Scan# 1158

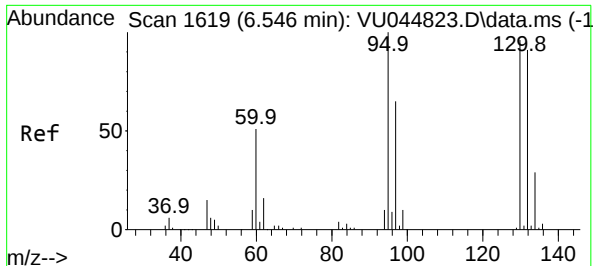
Delta R.T. 0.087 min

Lab File: VU044848.D

Acq: 25 Sep 2021 19:41

Tgt Ion:	41	Resp:	1025
Ion	Ratio	Lower	Upper
41	100		
39	49.2	44.4	66.6
67	0.0	58.1	87.1#
52	0.0	23.8	35.8#

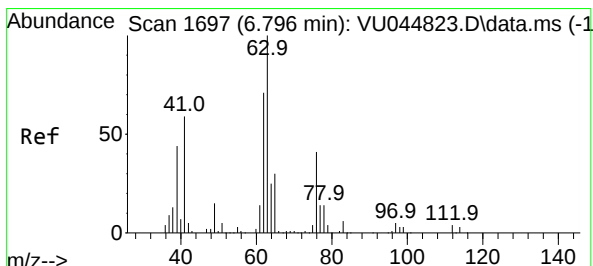
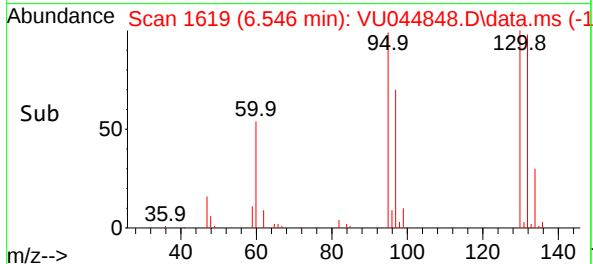
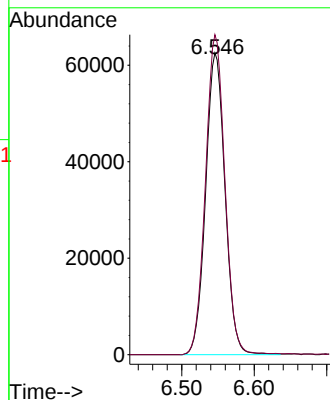
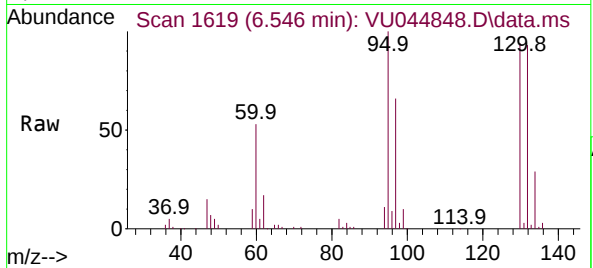




#44
Trichloroethene
Concen: 49.981 ug/l
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU044848.D
Acq: 25 Sep 2021 19:41

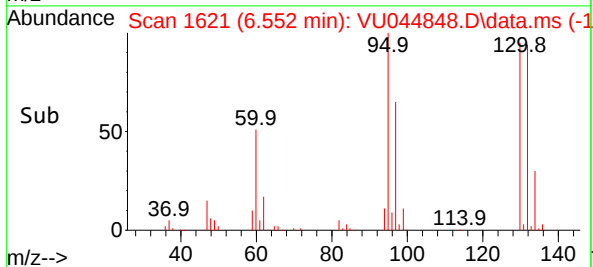
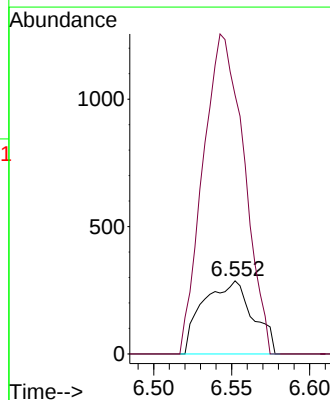
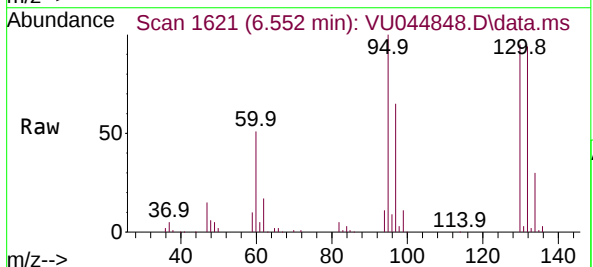
Instrument :
MSVOA_U
ClientSampleId :
1028-MW-02

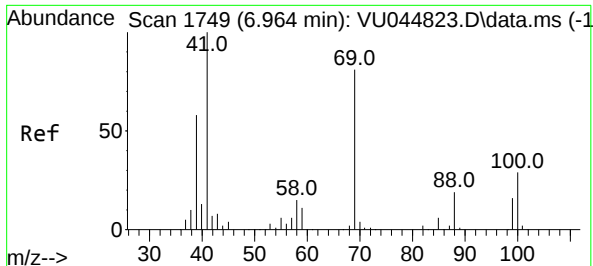
Tgt Ion:130 Resp: 116195
Ion Ratio Lower Upper
130 100
95 106.0 0.0 209.0



#45
1,2-Dichloropropane
Concen: 0.243 ug/l
RT: 6.552 min Scan# 1621
Delta R.T. -0.244 min
Lab File: VU044848.D
Acq: 25 Sep 2021 19:41

Tgt Ion: 63 Resp: 635
Ion Ratio Lower Upper
63 100
65 354.0 23.9 35.9#





#48

Methyl methacrylate

Concen: 0.269 ug/l

RT: 7.166 min Scan# 1812

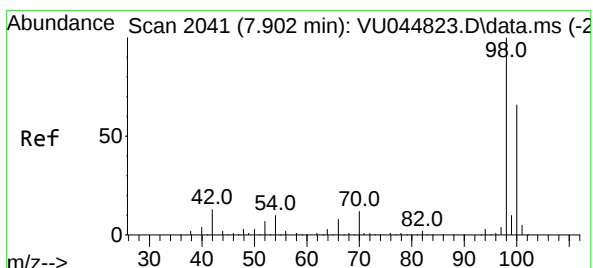
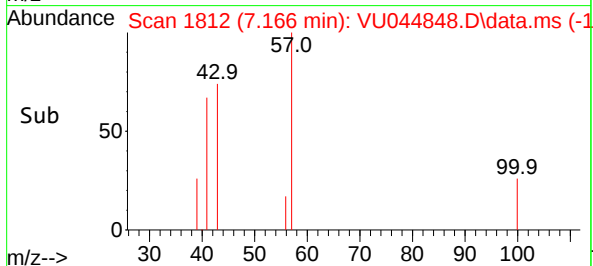
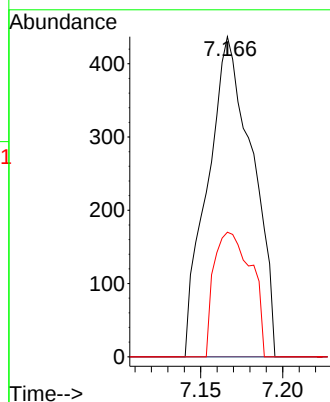
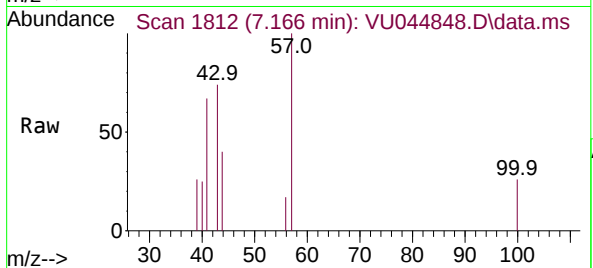
Delta R.T. 0.203 min

Lab File: VU044848.D

Acq: 25 Sep 2021 19:41

Tgt Ion:	41	Resp:	827
Ion	Ratio	Lower	Upper
41	100		
69	0.0	65.6	98.4#
39	32.4	46.2	69.4#

Instrument :
MSVOA_U
ClientSampled :
1028-MW-02



#50

Toluene-d8

Concen: 49.823 ug/l

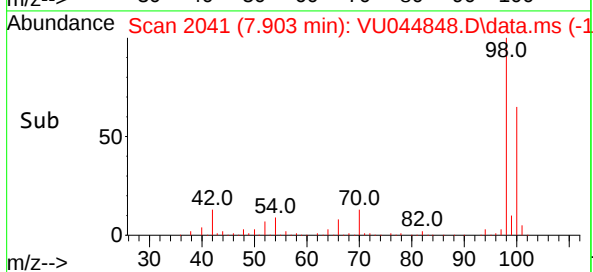
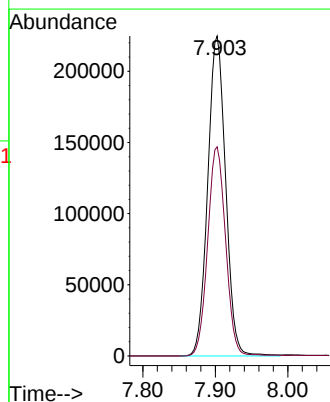
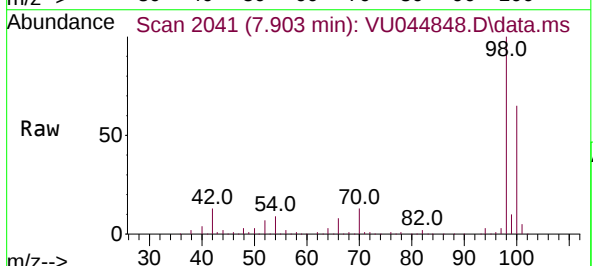
RT: 7.903 min Scan# 2041

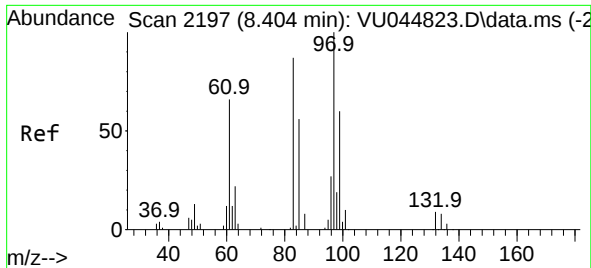
Delta R.T. 0.000 min

Lab File: VU044848.D

Acq: 25 Sep 2021 19:41

Tgt Ion:	98	Resp:	385997
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.5	78.7

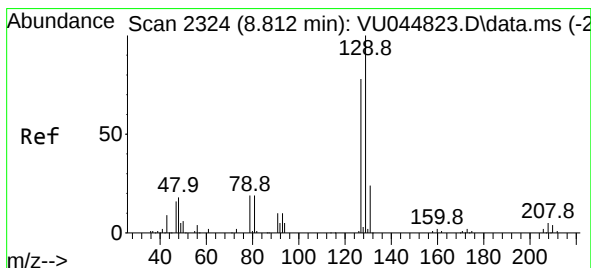
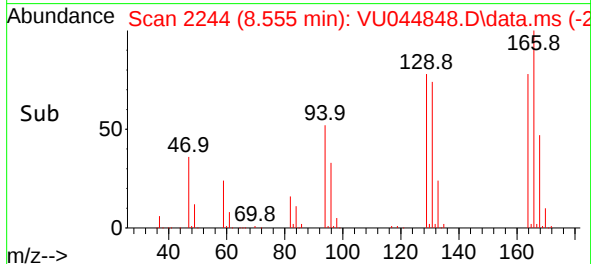
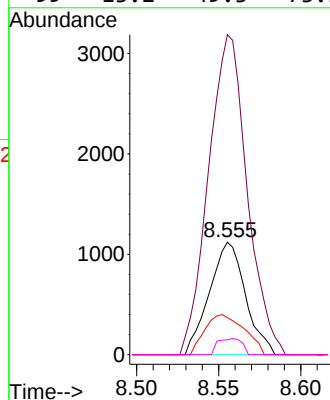
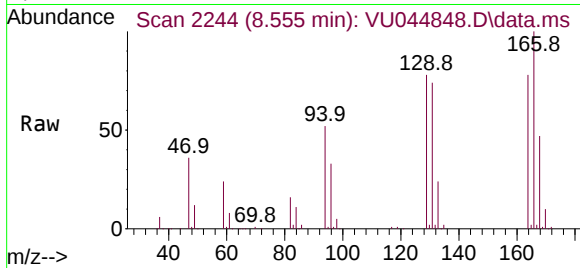




#55
1,1,2-Trichloroethane
Concen: 0.693 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. 0.151 min
Lab File: VU044848.D
Acq: 25 Sep 2021 19:41

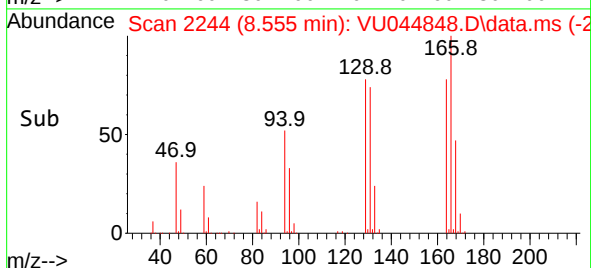
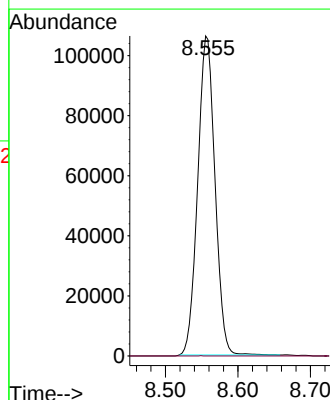
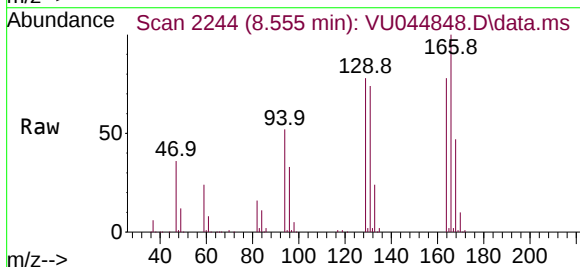
Instrument :
MSVOA_U
ClientSampled :
1028-MW-02

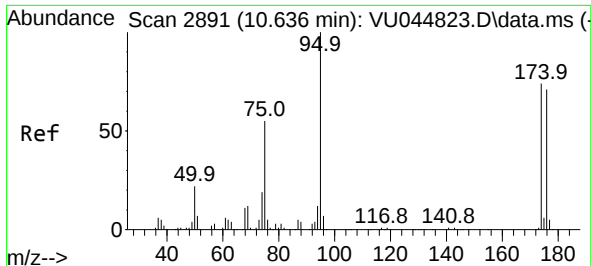
Tgt Ion: 97	Resp: 1713
Ion Ratio	Lower Upper
97 100	
83 284.4	69.7 104.5#
85 33.0	44.8 67.2#
99 13.2	49.3 73.9#



#60
Dibromochloromethane
Concen: 74.154 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU044848.D
Acq: 25 Sep 2021 19:41

Tgt Ion: 129	Resp: 175577
Ion Ratio	Lower Upper
129 100	
127 0.0	39.0 117.0#

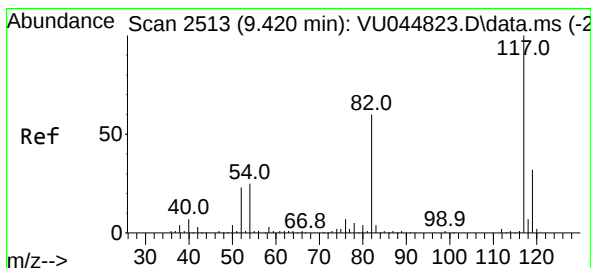
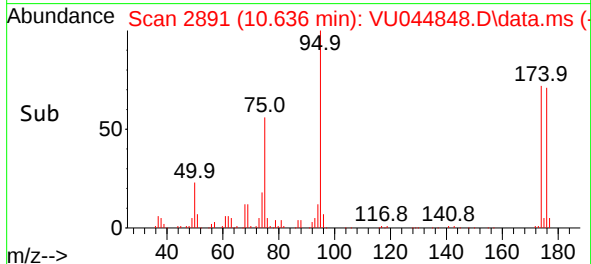
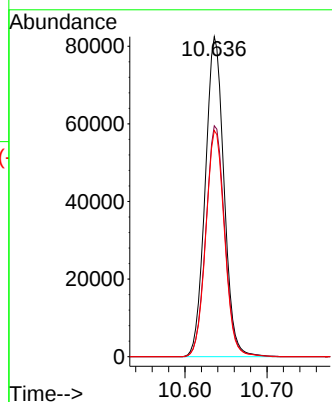
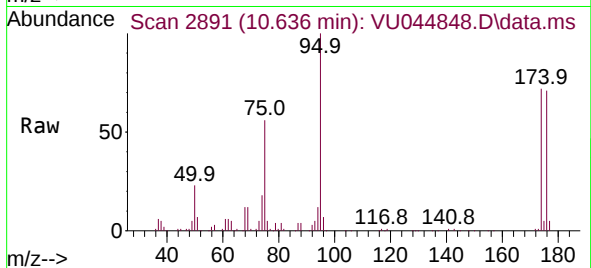




#62
4-Bromofluorobenzene
Concen: 45.466 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU044848.D
Acq: 25 Sep 2021 19:41

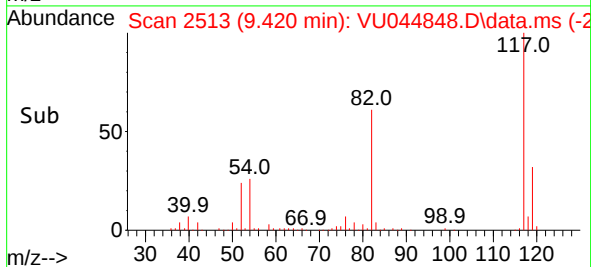
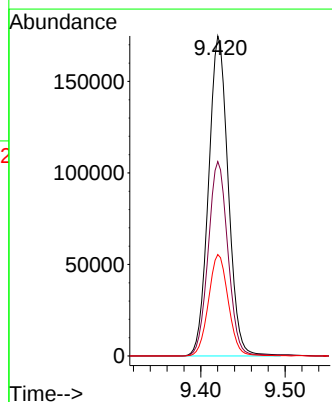
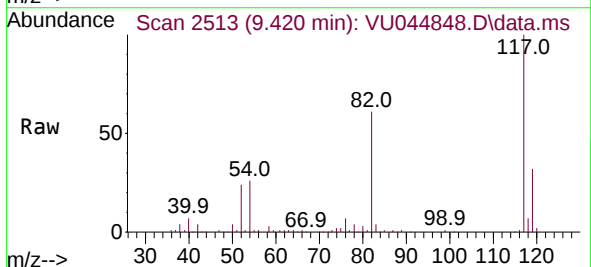
Instrument :
MSVOA_U
ClientSampleId :
1028-MW-02

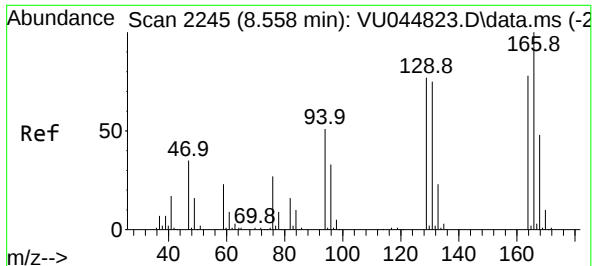
Tgt Ion: 95 Resp: 130831
Ion Ratio Lower Upper
95 100
174 73.0 0.0 146.6
176 70.6 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU044848.D
Acq: 25 Sep 2021 19:41

Tgt Ion: 117 Resp: 283678
Ion Ratio Lower Upper
117 100
82 60.7 47.8 71.8
119 31.7 25.8 38.6

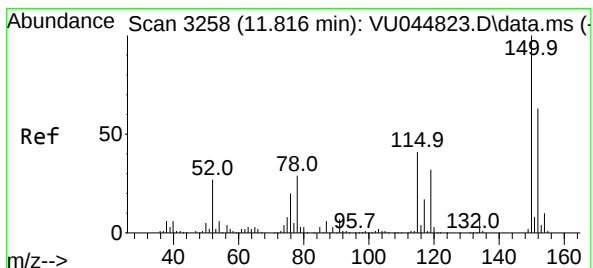
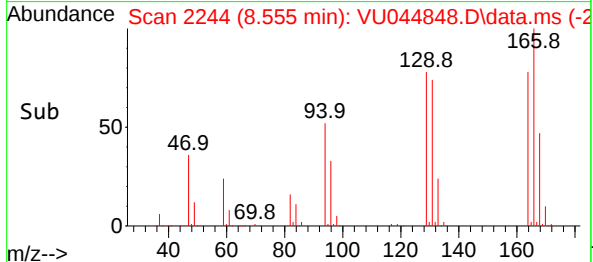
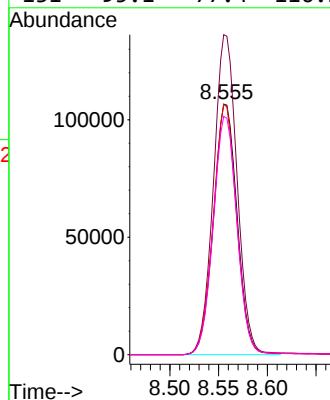
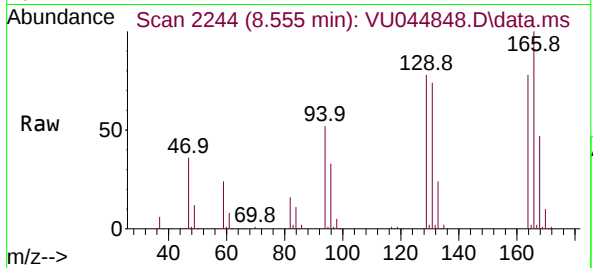




#64
Tetrachloroethene
Concen: 93.594 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. -0.003 min
Lab File: VU044848.D
Acq: 25 Sep 2021 19:41

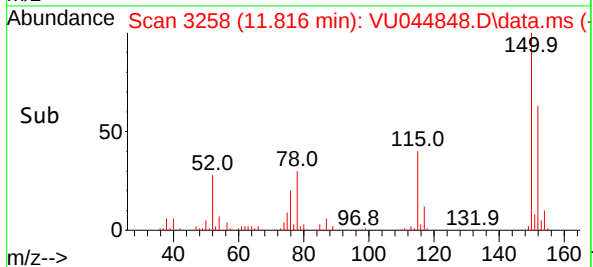
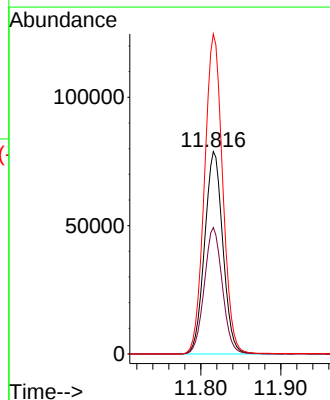
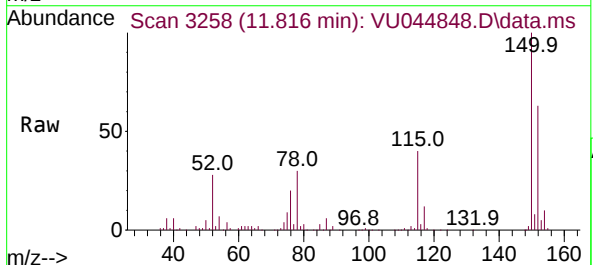
Instrument :
MSVOA_U
ClientSampleId :
1028-MW-02

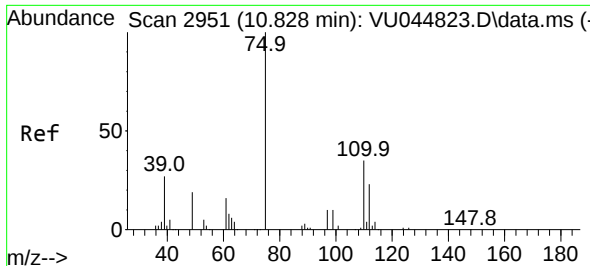
Tgt Ion:164 Resp: 179966
Ion Ratio Lower Upper
164 100
166 127.7 102.8 154.2
129 99.9 79.4 119.2
131 95.1 77.4 116.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.000 min
Lab File: VU044848.D
Acq: 25 Sep 2021 19:41

Tgt Ion:152 Resp: 125228
Ion Ratio Lower Upper
152 100
115 61.8 43.5 130.7
150 157.5 0.0 350.0

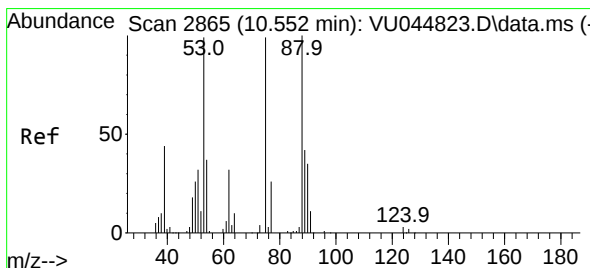
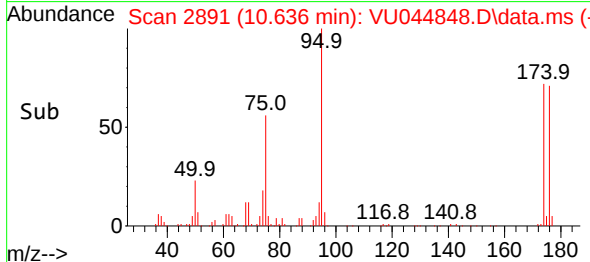
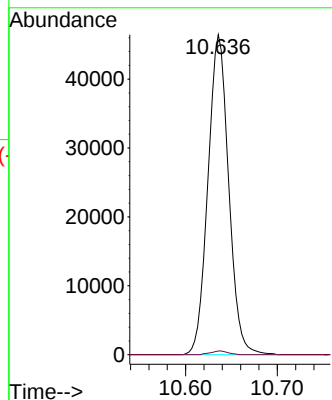
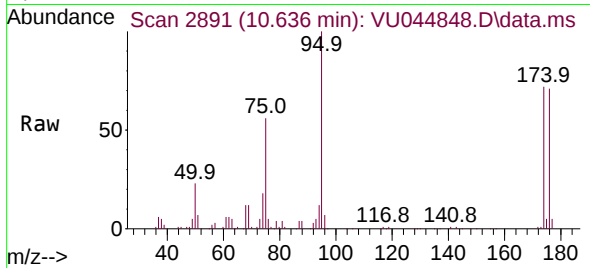




#76
1,2,3-Trichloropropane
Concen: 19.198 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU044848.D
Acq: 25 Sep 2021 19:41

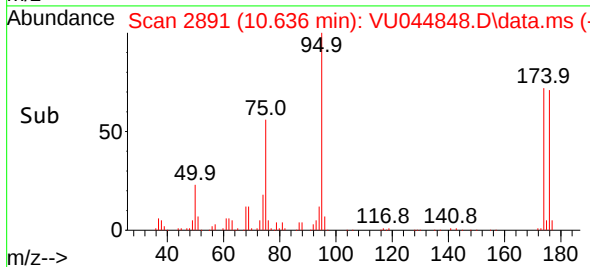
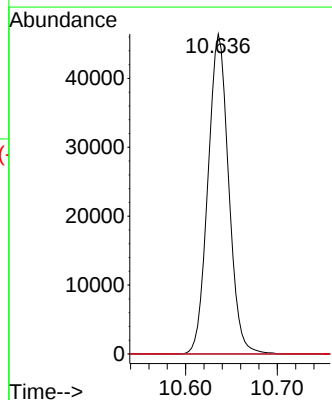
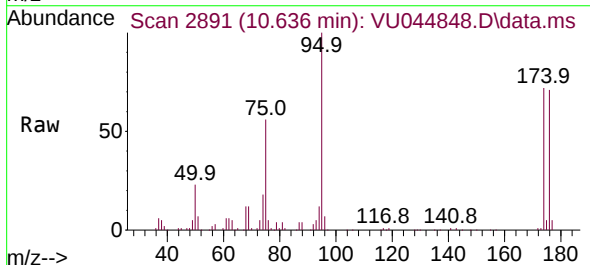
Instrument :
MSVOA_U
ClientSampleId :
1028-MW-02

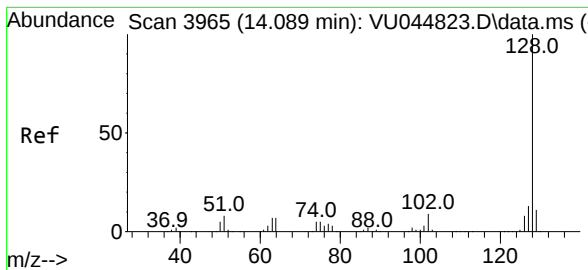
Tgt Ion: 75 Resp: 72800
Ion Ratio Lower Upper
75 100
77 1.0 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.190 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU044848.D
Acq: 25 Sep 2021 19:41

Tgt Ion: 75 Resp: 72800
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#





#95
Naphthalene
Concen: 0.969 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.009 min
Lab File: VU044848.D
Acq: 25 Sep 2021 19:41

Instrument :
MSVOA_U
ClientSampleId :
1028-MW-02

Tgt Ion:128 Resp: 250
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 13.0#

