

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092721\
 Data File : VU044910.D
 Acq On : 28 Sep 2021 00:44
 Operator : SY/MD
 Sample : M3859-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 1028-MW-02

Quant Time: Sep 28 06:30:34 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)

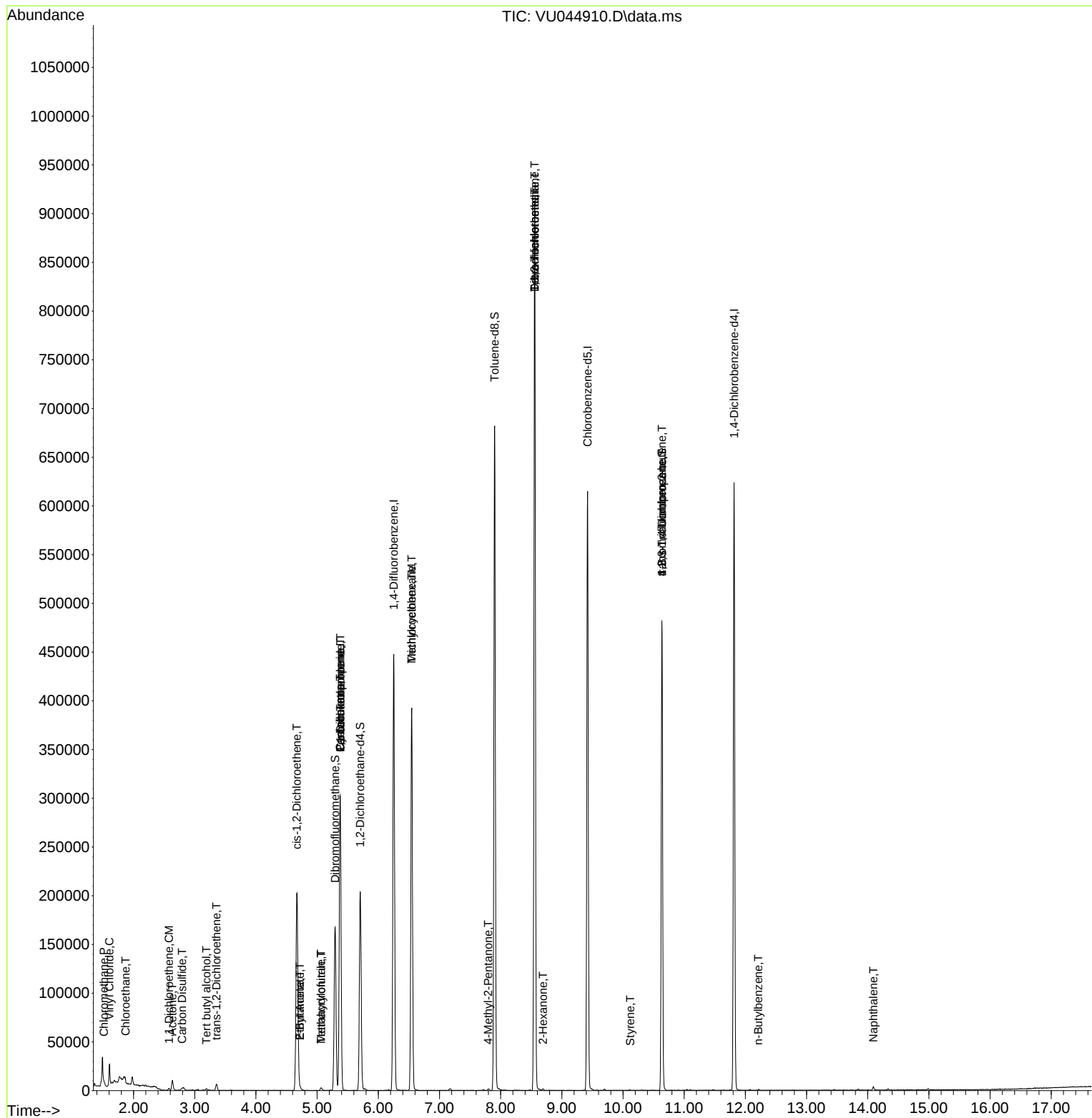
Internal Standards						
1) Pentafluorobenzene	5.378	168	197689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	348544	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	316990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	148783	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	155149	44.968	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.940%	
35) Dibromofluoromethane	5.295	113	107495	44.957	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.920%	
50) Toluene-d8	7.902	98	434046	48.064	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.120%	
62) 4-Bromofluorobenzene	10.635	95	159177	47.457	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.920%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	731	0.203	ug/l	96
4) Vinyl Chloride	1.607	62	7390	2.204	ug/l #	75
5) Bromomethane	1.842	94	703	Below Cal	#	80
6) Chloroethane	1.871	64	1835	0.448	ug/l #	53
11) Tert butyl alcohol	3.192	59	1423	1.413	ug/l #	72
12) 1,1-Dichloroethene	2.578	96	650	0.273	ug/l	81
16) Acetone	2.636	43	11926	6.128	ug/l	97
17) Carbon Disulfide	2.793	76	1969	0.294	ug/l #	95
21) trans-1,2-Dichloroethene	3.356	96	2748	1.078	ug/l	89
25) 2-Butanone	4.716	43	4564	1.546	ug/l	96
27) cis-1,2-Dichloroethene	4.668	96	103971	33.544	ug/l	87
29) Tetrahydrofuran	5.063	42	1791	0.964	ug/l	94
31) Cyclohexane	5.375	56	5541	1.119	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	18425	4.982	ug/l #	50
37) Ethyl Acetate	4.716	43	4564	0.841	ug/l #	69
38) Carbon Tetrachloride	5.378	117	20249	6.125	ug/l #	15
39) Methylcyclohexane	6.546	83	1583	0.378	ug/l #	1
41) Methacrylonitrile	5.067	41	1120	0.414	ug/l #	43
44) Trichloroethene	6.546	130	125411	46.281	ug/l	98
51) 4-Methyl-2-Pentanone	7.796	43	1204	0.223	ug/l #	79
55) 1,1,2-Trichloroethane	8.555	97	1646	0.571	ug/l #	1
59) 2-Hexanone	8.690	43	1178	0.271	ug/l	82
60) Dibromochloromethane	8.555	129	182599	66.162	ug/l #	10
64) Tetrachloroethene	8.555	164	188364	87.667	ug/l	97
70) Styrene	10.118	104	135	1.027	ug/l #	25
76) 1,2,3-Trichloropropane	10.635	75	86572	19.215	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.635	75	86572	62.247	ug/l #	9
89) n-Butylbenzene	12.211	91	404	1.318	ug/l #	77
95) Naphthalene	14.092	128	3420	1.237	ug/l	95

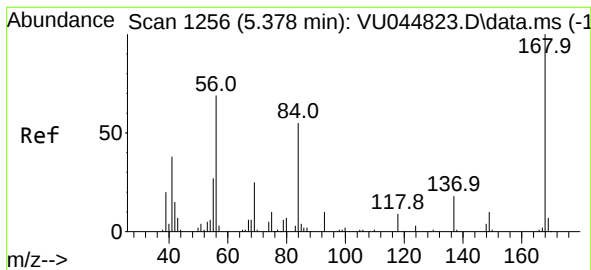
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

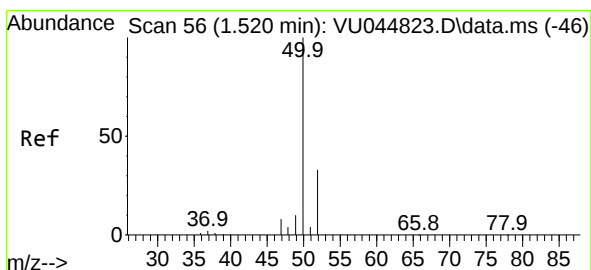
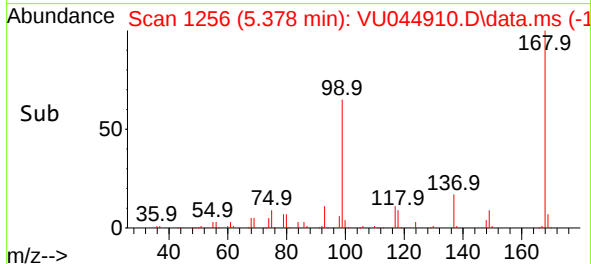
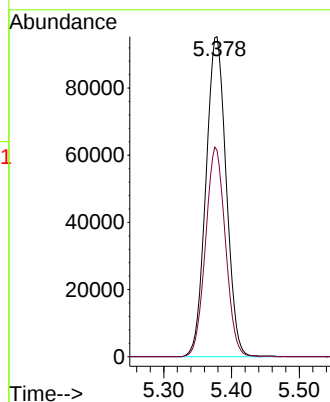
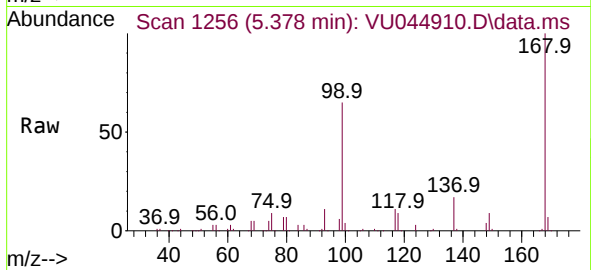




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. 0.000 min
Lab File: VU044910.D
Acq: 28 Sep 2021 00:44

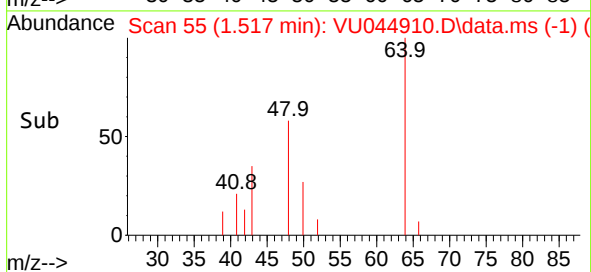
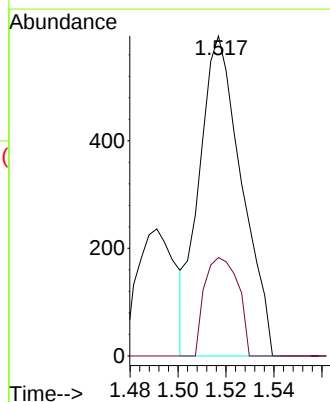
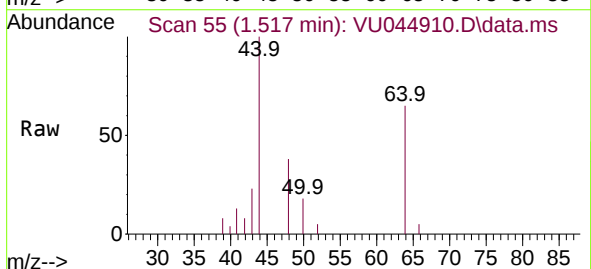
Instrument :
MSVOA_U
ClientSampleId :
1028-MW-02

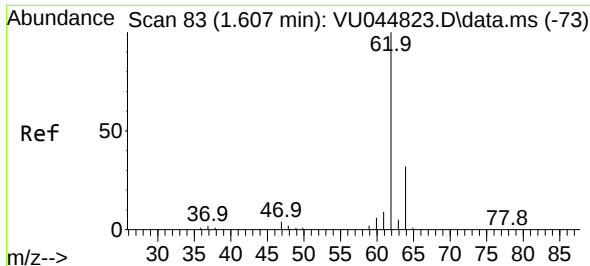
Tgt Ion:168 Resp: 197689
Ion Ratio Lower Upper
168 100
99 64.5 51.4 77.0



#3
Chloromethane
Concen: 0.203 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU044910.D
Acq: 28 Sep 2021 00:44

Tgt Ion: 50 Resp: 731
Ion Ratio Lower Upper
50 100
52 30.8 26.3 39.5

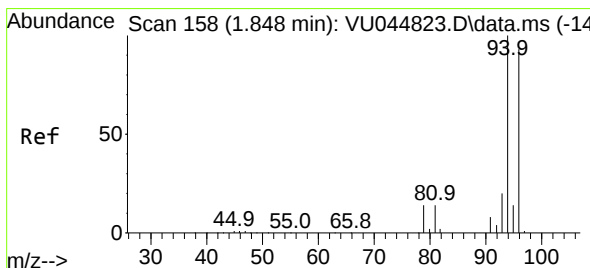
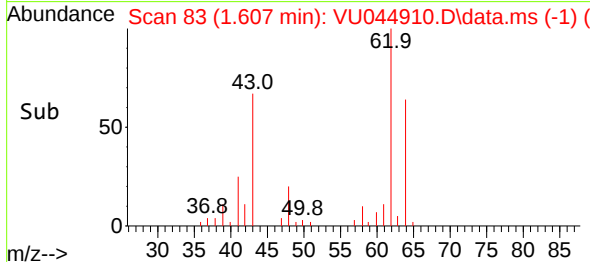
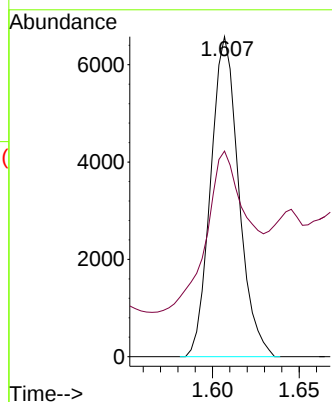
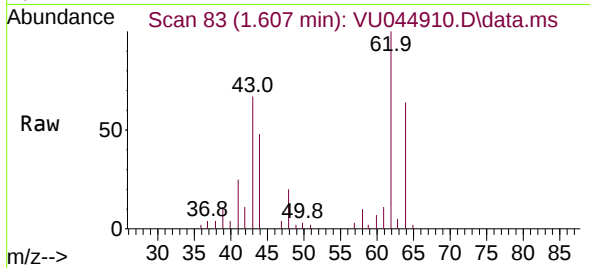




#4
 Vinyl Chloride
 Concen: 2.204 ug/l
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU044910.D
 Acq: 28 Sep 2021 00:44

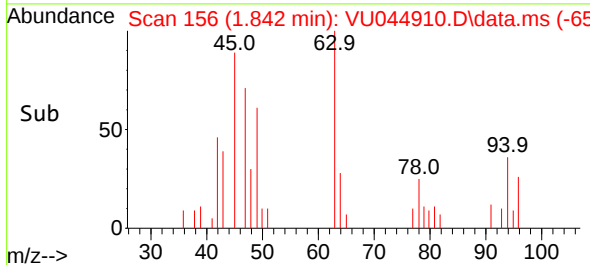
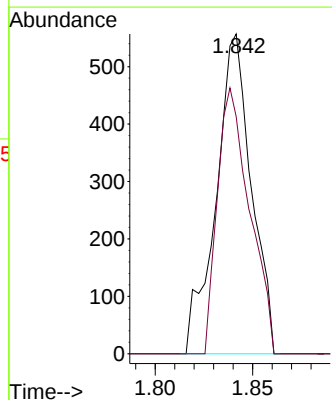
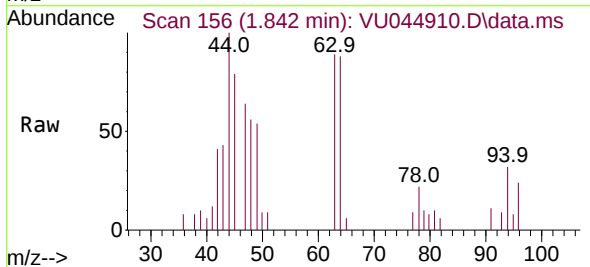
Instrument :
 MSVOA_U
 ClientSampleId :
 1028-MW-02

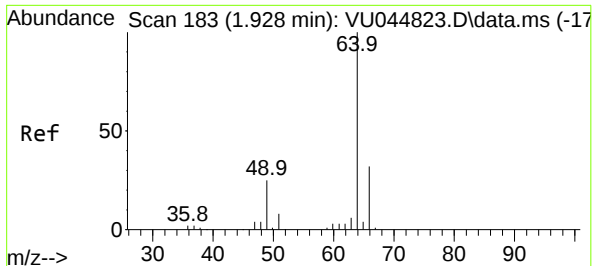
Tgt Ion: 62 Resp: 7390
 Ion Ratio Lower Upper
 62 100
 64 45.7 25.6 38.4#



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.842 min Scan# 156
 Delta R.T. -0.006 min
 Lab File: VU044910.D
 Acq: 28 Sep 2021 00:44

Tgt Ion: 94 Resp: 703
 Ion Ratio Lower Upper
 94 100
 96 74.1 74.5 111.7#

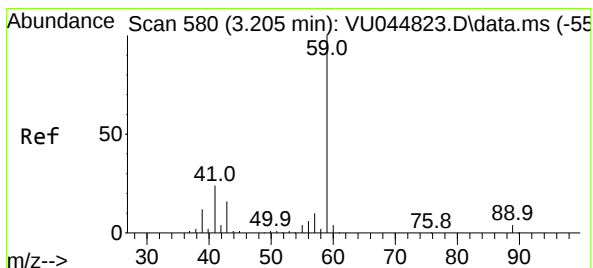
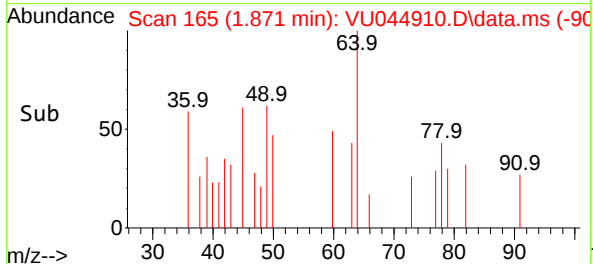
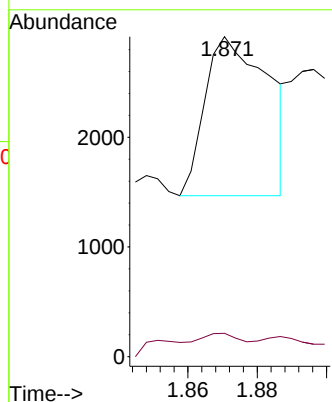
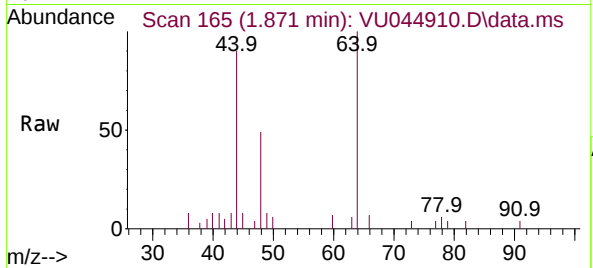




#6
Chloroethane
Concen: 0.448 ug/l
RT: 1.871 min Scan# 165
Delta R.T. -0.057 min
Lab File: VU044910.D
Acq: 28 Sep 2021 00:44

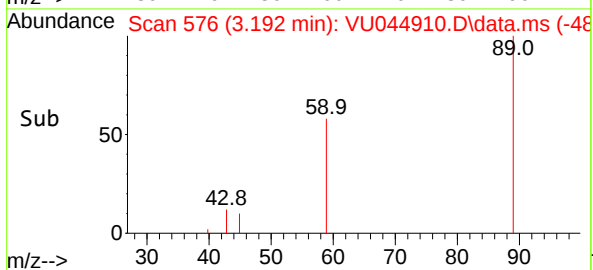
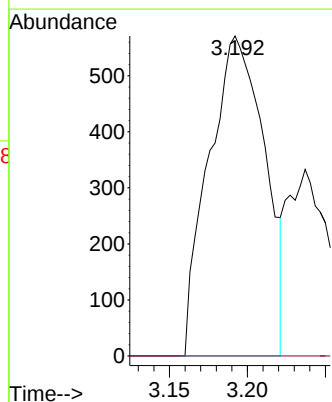
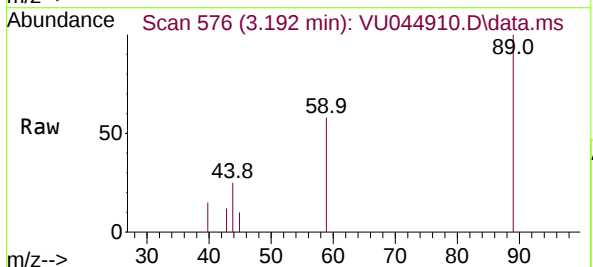
Instrument :
MSVOA_U
ClientSampleId :
1028-MW-02

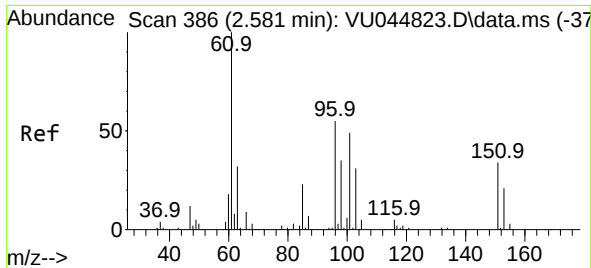
Tgt Ion: 64 Resp: 1835
Ion Ratio Lower Upper
64 100
66 5.7 25.8 38.8#



#11
Tert butyl alcohol
Concen: 1.413 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.013 min
Lab File: VU044910.D
Acq: 28 Sep 2021 00:44

Tgt Ion: 59 Resp: 1423
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

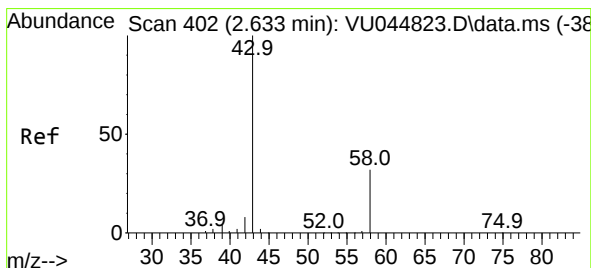
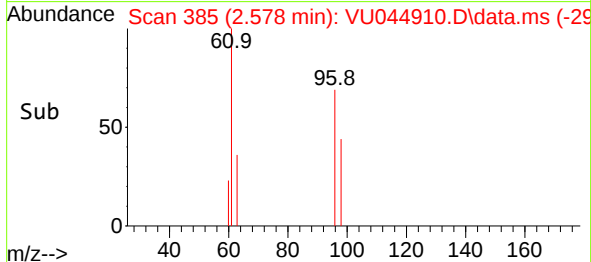
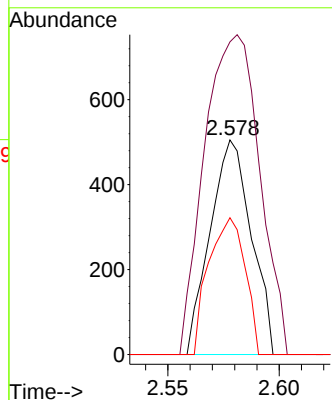
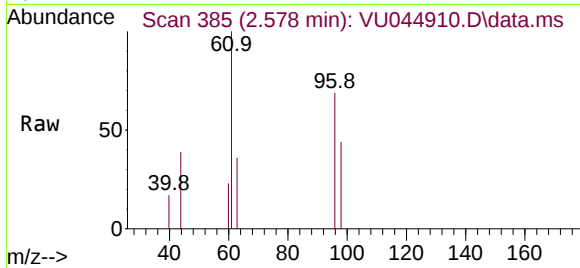




#12
1,1-Dichloroethene
Concen: 0.273 ug/l
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU044910.D
Acq: 28 Sep 2021 00:44

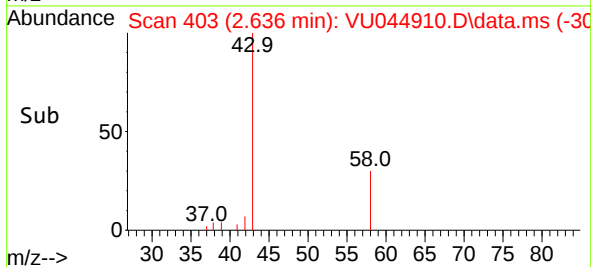
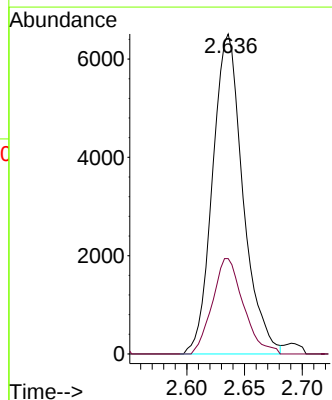
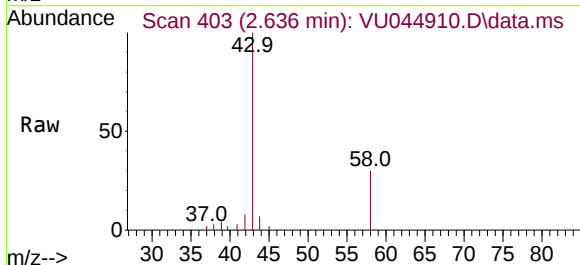
Instrument :
MSVOA_U
ClientSampleId :
1028-MW-02

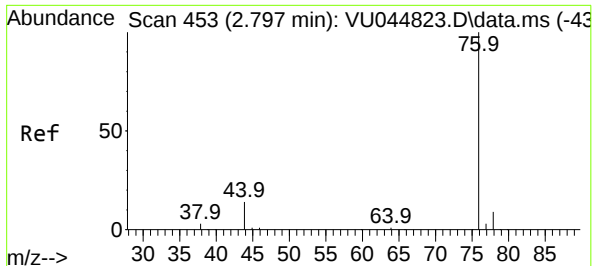
Tgt Ion: 96 Resp: 650
Ion Ratio Lower Upper
96 100
61 145.7 145.4 218.0
98 63.8 50.9 76.3



#16
Acetone
Concen: 6.128 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.003 min
Lab File: VU044910.D
Acq: 28 Sep 2021 00:44

Tgt Ion: 43 Resp: 11926
Ion Ratio Lower Upper
43 100
58 29.8 25.2 37.8

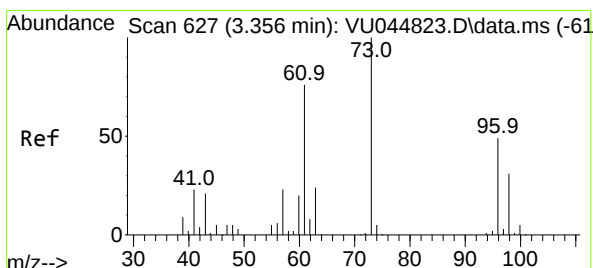
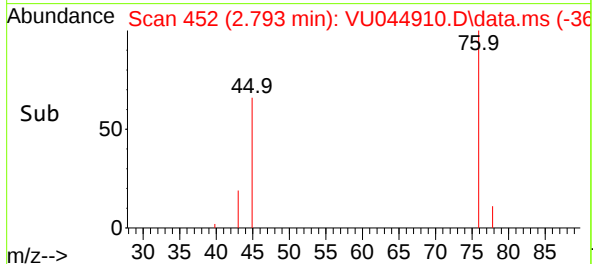
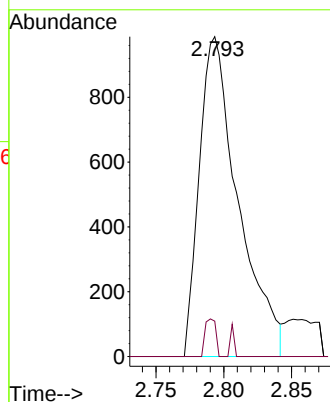
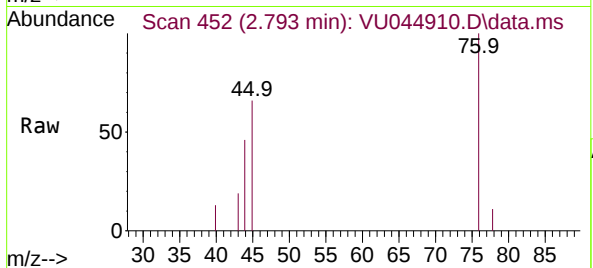




#17
Carbon Disulfide
Concen: 0.294 ug/l
RT: 2.793 min Scan# 452
Delta R.T. -0.003 min
Lab File: VU044910.D
Acq: 28 Sep 2021 00:44

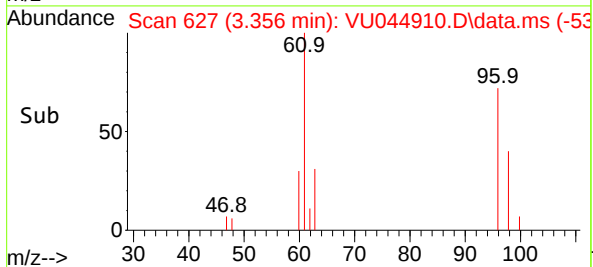
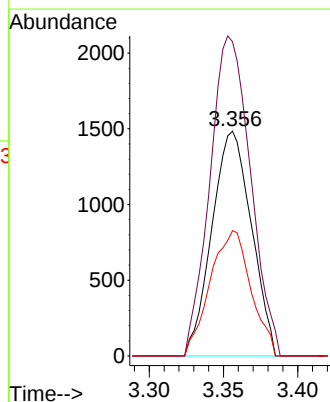
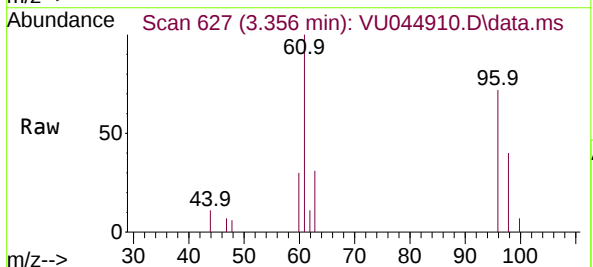
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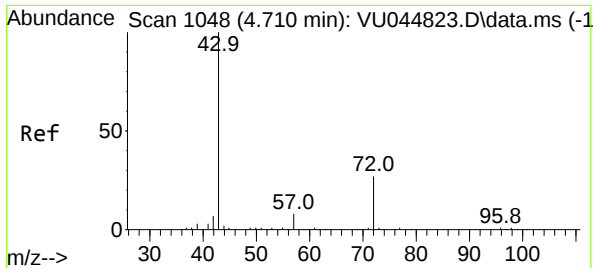
Tgt Ion: 76 Resp: 1969
Ion Ratio Lower Upper
76 100
78 11.0 7.4 11.0#



#21
trans-1,2-Dichloroethene
Concen: 1.078 ug/l
RT: 3.356 min Scan# 627
Delta R.T. -0.000 min
Lab File: VU044910.D
Acq: 28 Sep 2021 00:44

Tgt Ion: 96 Resp: 2748
Ion Ratio Lower Upper
96 100
61 139.7 123.2 184.8
98 55.7 51.0 76.6





#25

2-Butanone

Concen: 1.546 ug/l

RT: 4.716 min Scan# 1050

Delta R.T. 0.006 min

Lab File: VU044910.D

Acq: 28 Sep 2021 00:44

Tgt Ion: 43 Resp: 4564

Ion Ratio Lower Upper

43 100

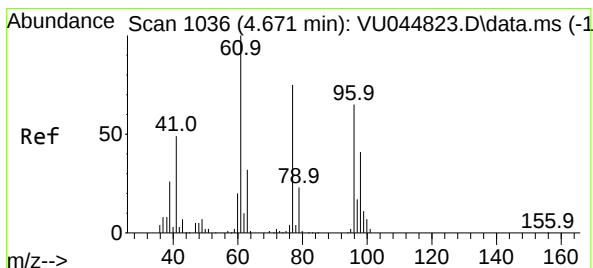
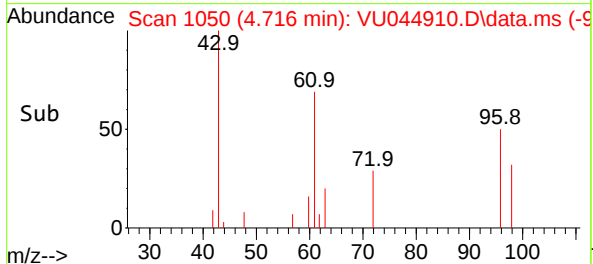
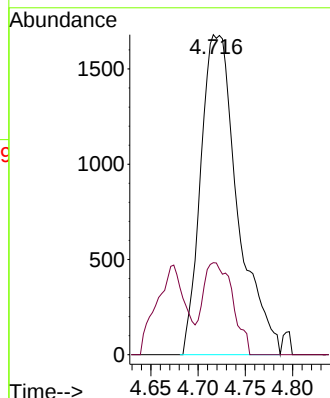
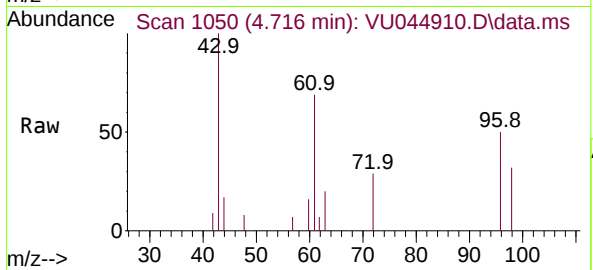
72 28.8 21.3 31.9

Instrument :

MSVOA_U

ClientSampled :

1028-MW-02



#27

cis-1,2-Dichloroethene

Concen: 33.544 ug/l

RT: 4.668 min Scan# 1035

Delta R.T. -0.003 min

Lab File: VU044910.D

Acq: 28 Sep 2021 00:44

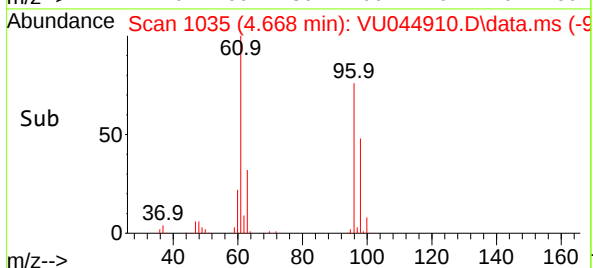
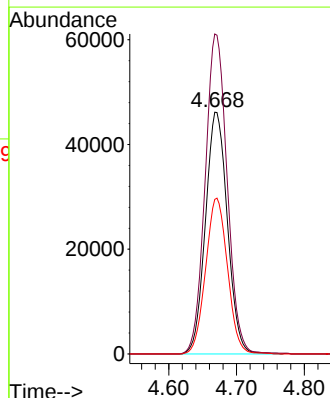
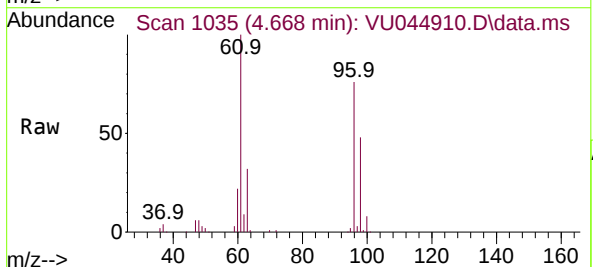
Tgt Ion: 96 Resp: 103971

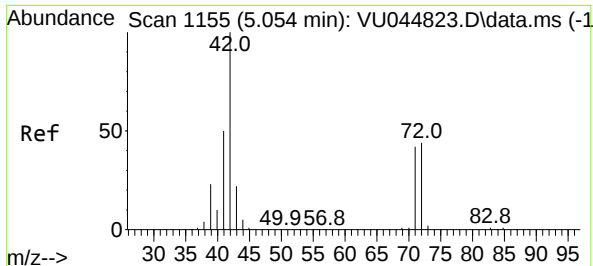
Ion Ratio Lower Upper

96 100

61 132.6 0.0 313.4

98 64.2 0.0 127.0





#29

Tetrahydrofuran

Concen: 0.964 ug/l

RT: 5.063 min Scan# 1158

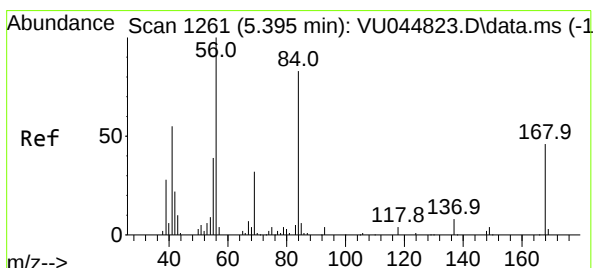
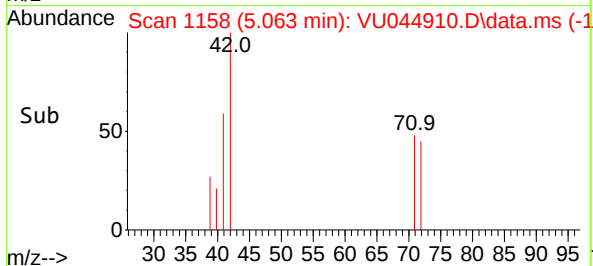
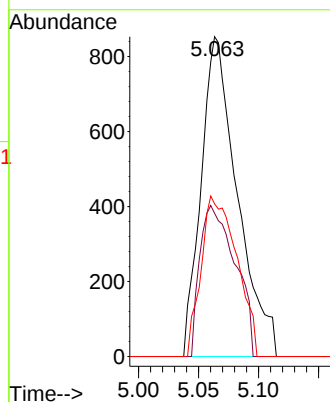
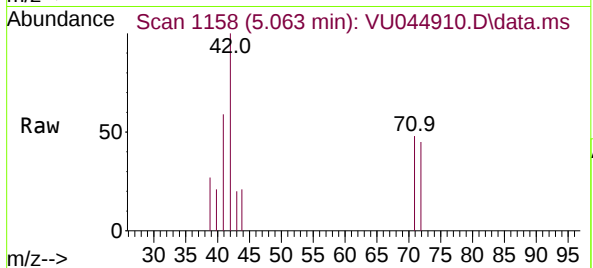
Delta R.T. 0.010 min

Lab File: VU044910.D

Acq: 28 Sep 2021 00:44

Instrument :
MSVOA_U
ClientSampled :
1028-MW-02

Tgt Ion:	42	Resp:	1791
Ion	Ratio	Lower	Upper
42	100		
72	46.1	36.2	54.4
71	49.3	34.1	51.1



#31

Cyclohexane

Concen: 1.119 ug/l

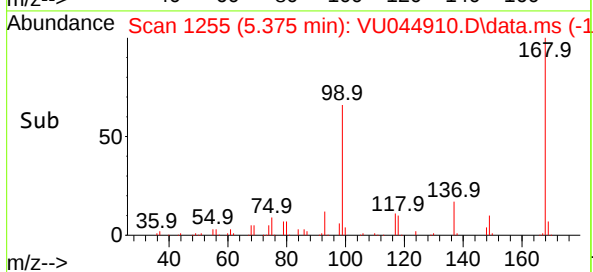
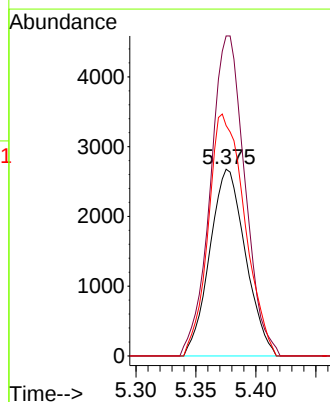
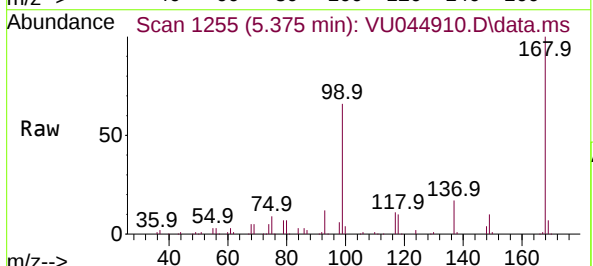
RT: 5.375 min Scan# 1255

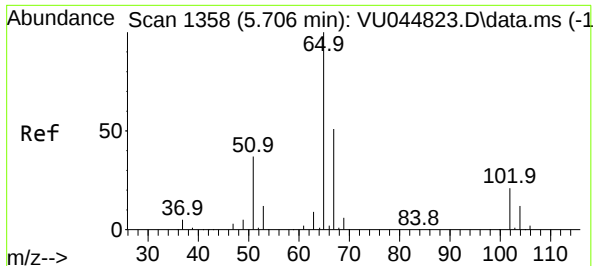
Delta R.T. -0.019 min

Lab File: VU044910.D

Acq: 28 Sep 2021 00:44

Tgt Ion:	56	Resp:	5541
Ion	Ratio	Lower	Upper
56	100		
69	171.4	25.2	37.8#
84	123.4	66.4	99.6#



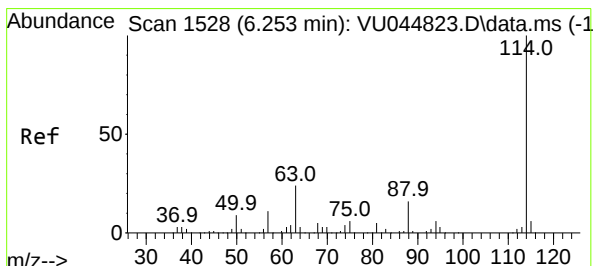
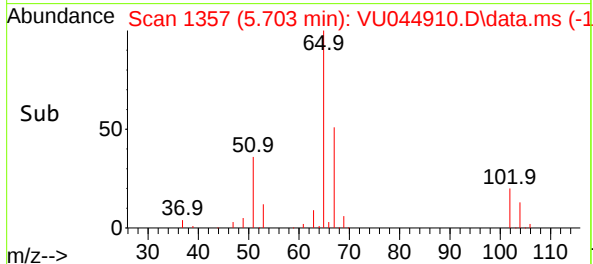
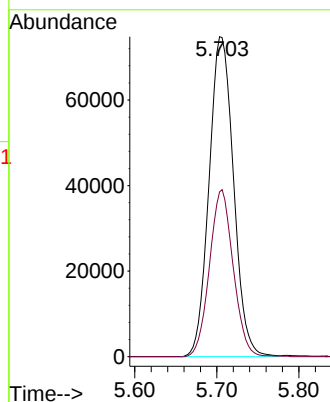
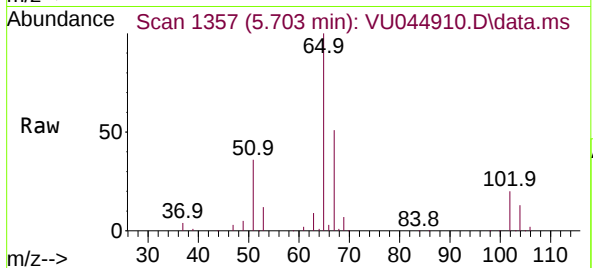


#33

1,2-Dichloroethane-d4
Concen: 44.968 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VU044910.D
Acq: 28 Sep 2021 00:44

Instrument :
MSVOA_U
ClientSampled :
1028-MW-02

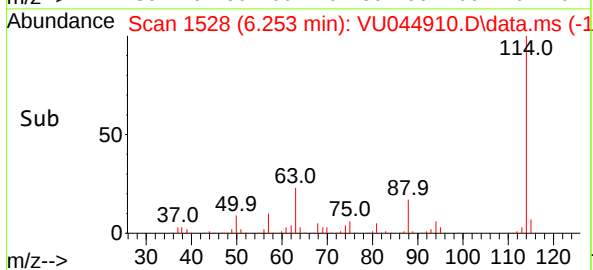
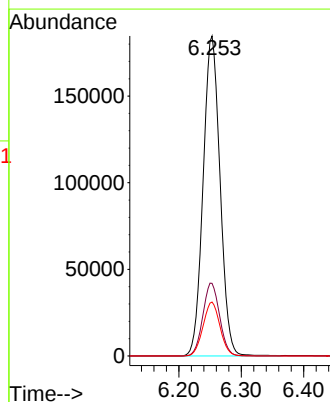
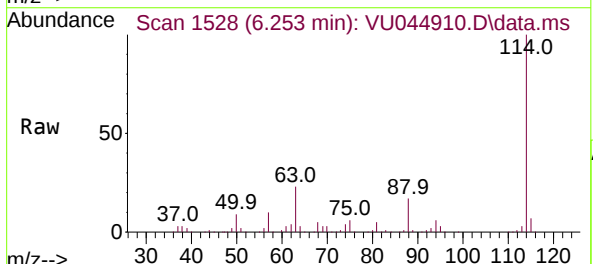
Tgt Ion: 65 Resp: 155149
Ion Ratio Lower Upper
65 100
67 50.6 0.0 104.8

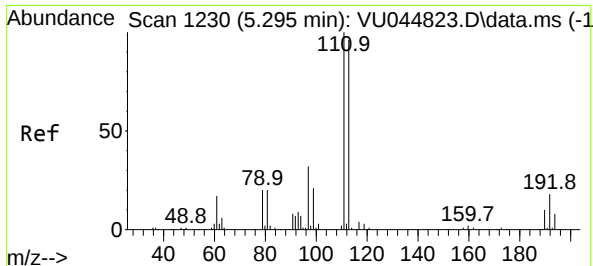


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. -0.000 min
Lab File: VU044910.D
Acq: 28 Sep 2021 00:44

Tgt Ion: 114 Resp: 348544
Ion Ratio Lower Upper
114 100
63 22.7 0.0 47.8
88 16.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 44.957 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. -0.000 min

Lab File: VU044910.D

Acq: 28 Sep 2021 00:44

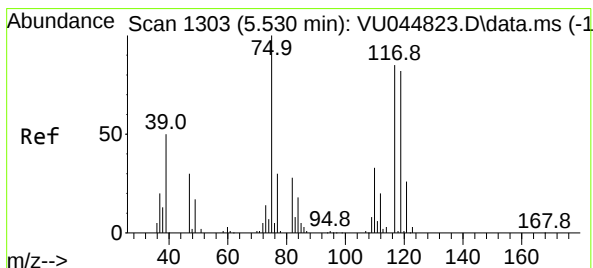
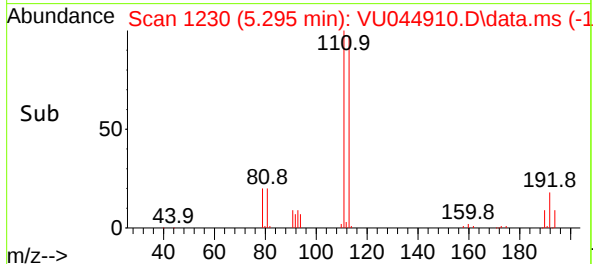
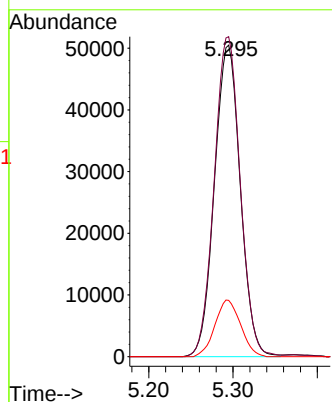
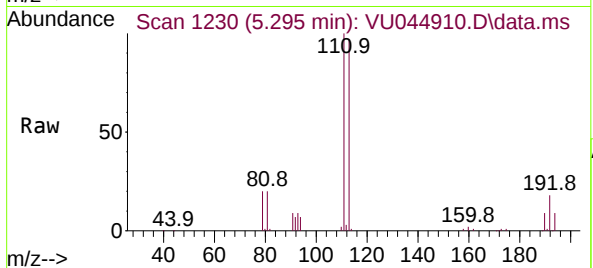
Tgt Ion: 113 Resp: 107495

Ion Ratio Lower Upper

113 100

111 103.5 84.1 126.1

192 18.1 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.982 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. -0.151 min

Lab File: VU044910.D

Acq: 28 Sep 2021 00:44

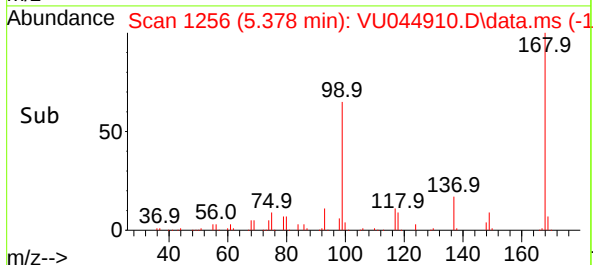
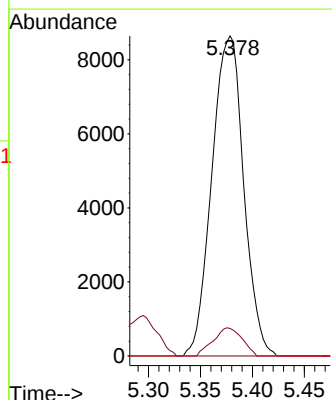
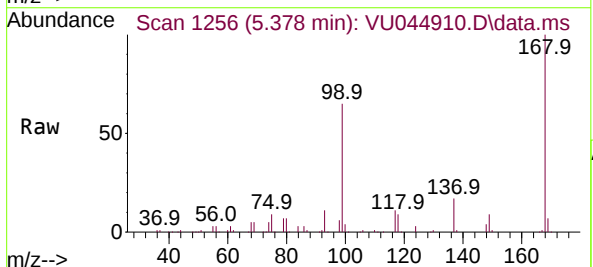
Tgt Ion: 75 Resp: 18425

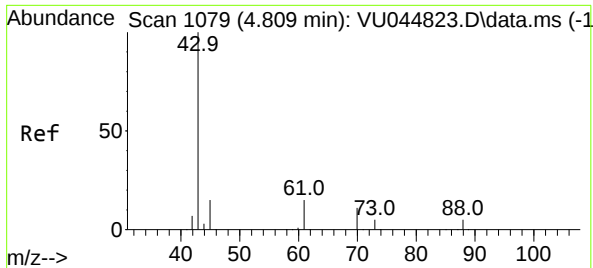
Ion Ratio Lower Upper

75 100

110 8.0 16.3 48.9#

77 0.0 25.0 37.4#

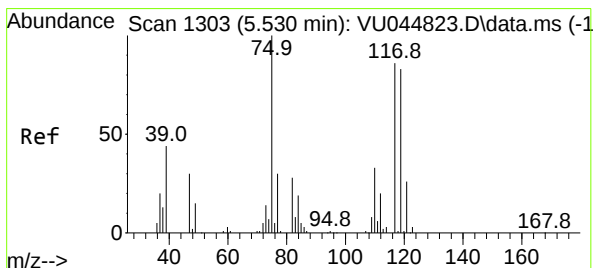
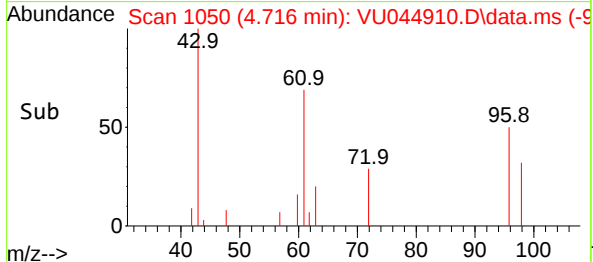
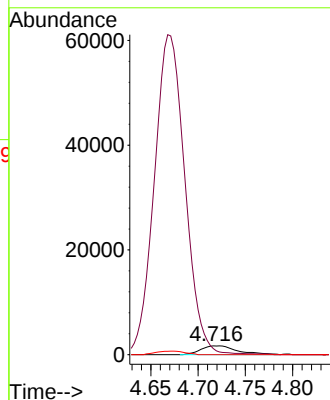
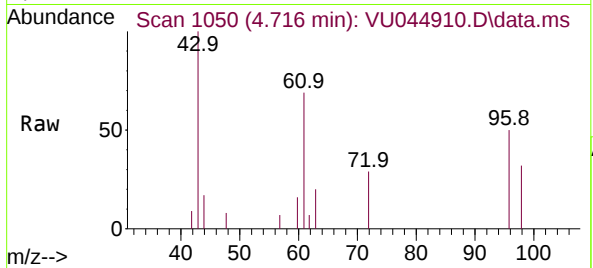




#37
Ethyl Acetate
Concen: 0.841 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. -0.093 min
Lab File: VU044910.D
Acq: 28 Sep 2021 00:44

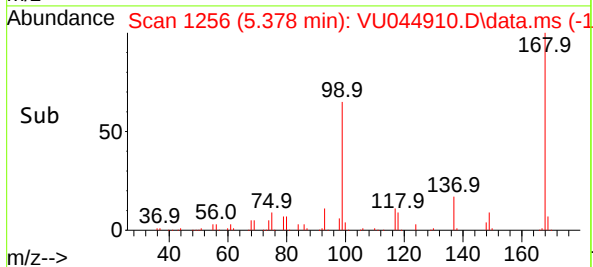
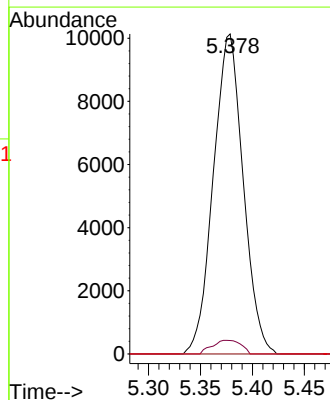
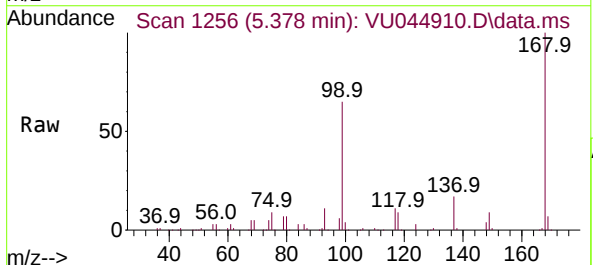
Instrument :
MSVOA_U
ClientSampleId :
1028-MW-02

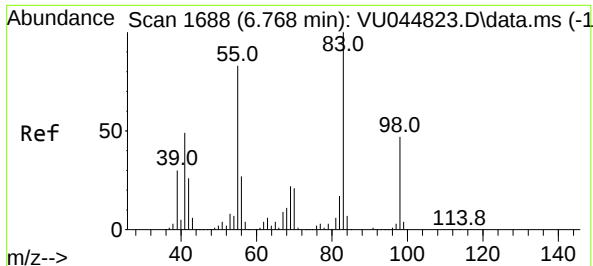
Tgt Ion: 43 Resp: 4564
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 6.125 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU044910.D
Acq: 28 Sep 2021 00:44

Tgt Ion: 117 Resp: 20249
Ion Ratio Lower Upper
117 100
119 4.2 77.4 116.2#
121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 0.378 ug/l

RT: 6.546 min Scan# 1619

Delta R.T. -0.222 min

Lab File: VU044910.D

Acq: 28 Sep 2021 00:44

Tgt Ion: 83 Resp: 1583

Ion Ratio Lower Upper

83 100

55 0.0 66.2 99.4#

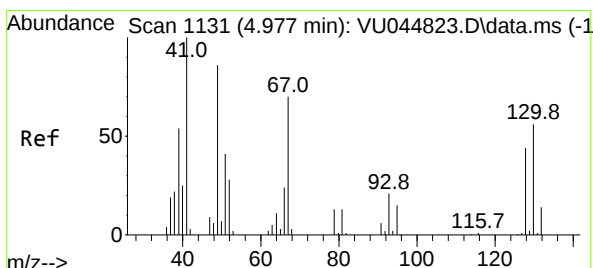
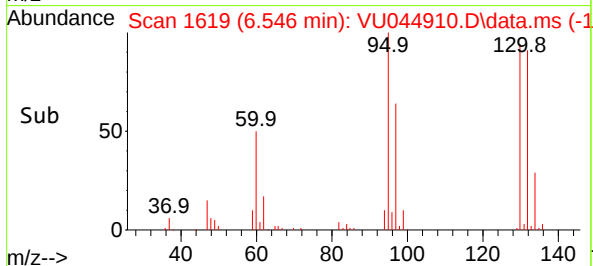
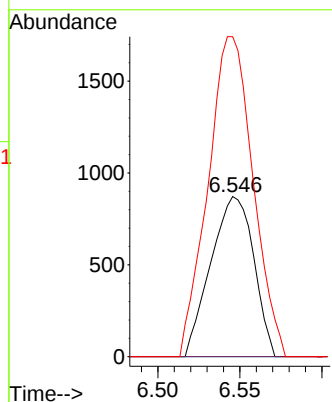
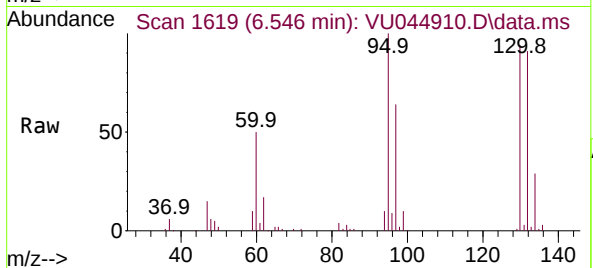
98 199.8 37.5 56.3#

Instrument :

MSVOA_U

ClientSampleId :

1028-MW-02



#41

Methacrylonitrile

Concen: 0.414 ug/l

RT: 5.067 min Scan# 1159

Delta R.T. 0.090 min

Lab File: VU044910.D

Acq: 28 Sep 2021 00:44

Tgt Ion: 41 Resp: 1120

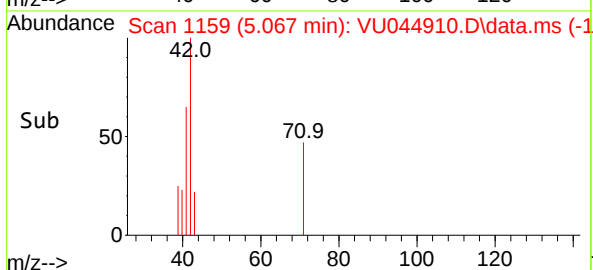
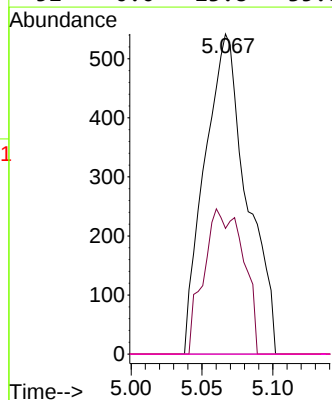
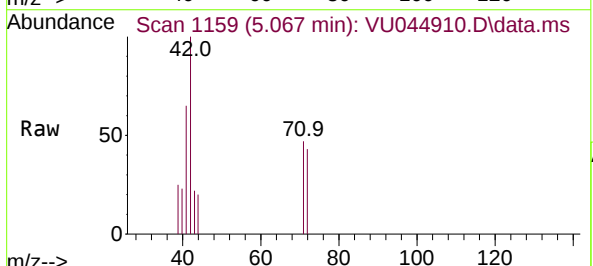
Ion Ratio Lower Upper

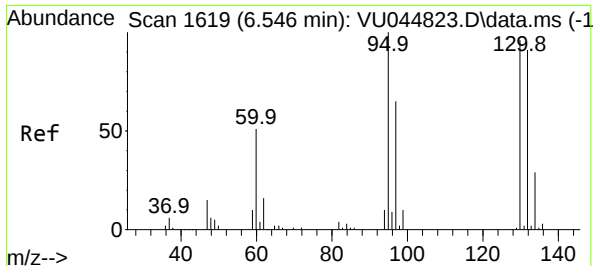
41 100

39 42.5 44.4 66.6#

67 0.0 58.1 87.1#

52 0.0 23.8 35.8#

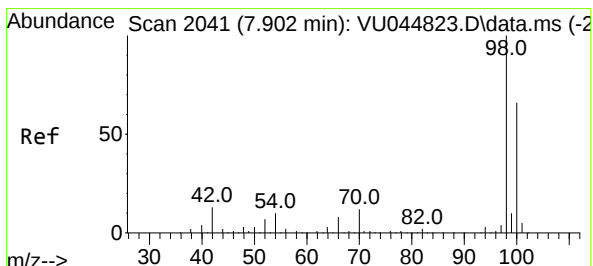
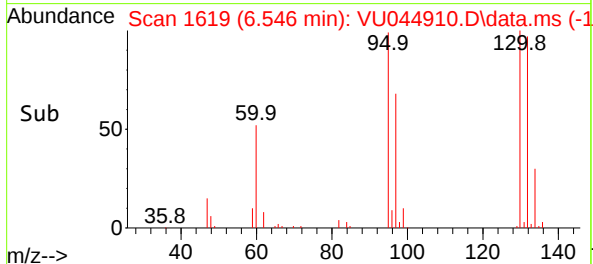
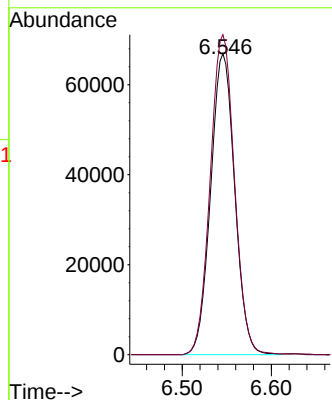
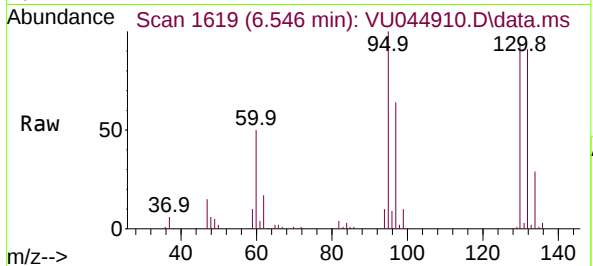




#44
Trichloroethene
Concen: 46.281 ug/l
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU044910.D
Acq: 28 Sep 2021 00:44

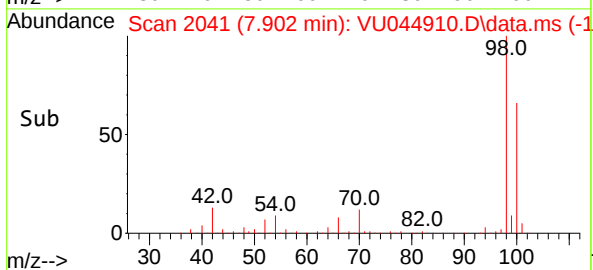
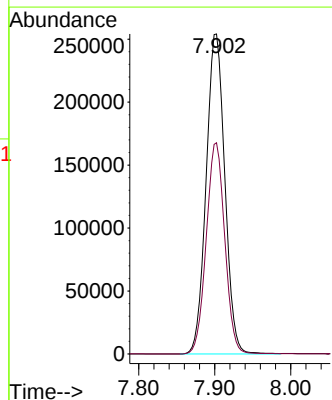
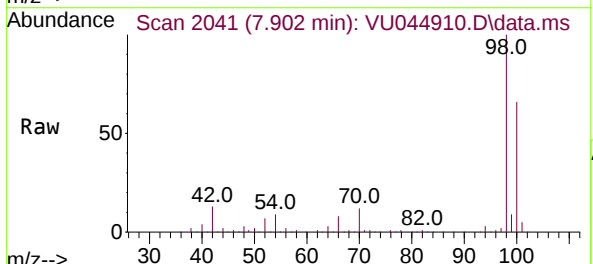
Instrument :
MSVOA_U
ClientSampleId :
1028-MW-02

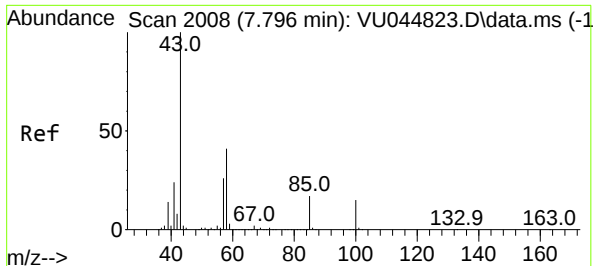
Tgt Ion:130 Resp: 125411
Ion Ratio Lower Upper
130 100
95 106.3 0.0 209.0



#50
Toluene-d8
Concen: 48.064 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VU044910.D
Acq: 28 Sep 2021 00:44

Tgt Ion: 98 Resp: 434046
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7

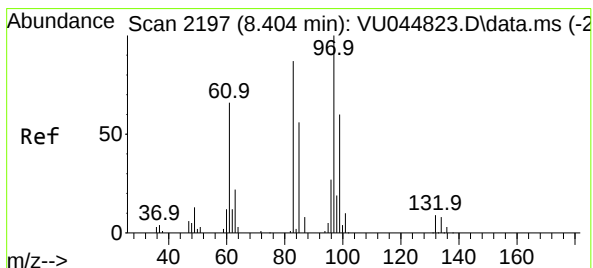
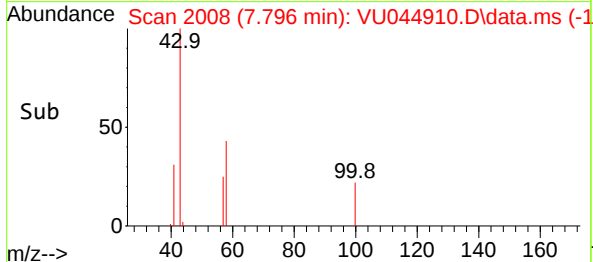
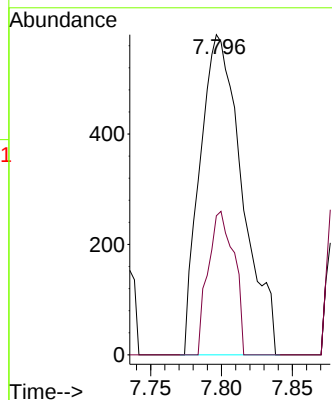
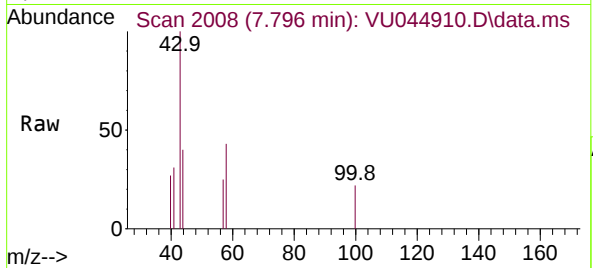




#51
4-Methyl-2-Pentanone
Concen: 0.223 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.000 min
Lab File: VU044910.D
Acq: 28 Sep 2021 00:44

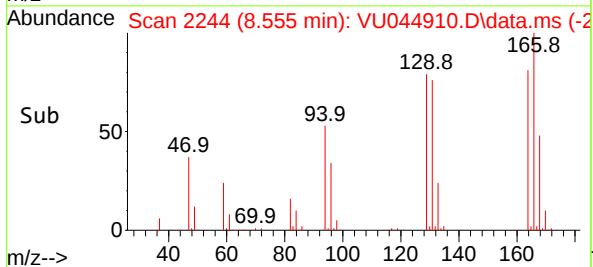
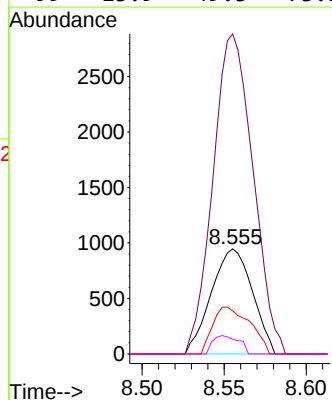
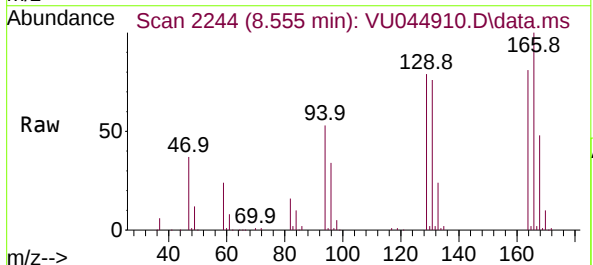
Instrument :
MSVOA_U
ClientSampled :
1028-MW-02

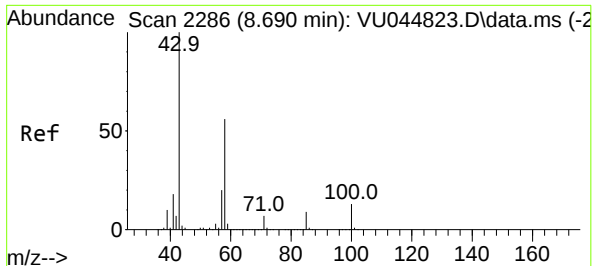
Tgt Ion: 43 Resp: 1204
Ion Ratio Lower Upper
43 100
58 27.5 32.4 48.6#



#55
1,1,2-Trichloroethane
Concen: 0.571 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. 0.151 min
Lab File: VU044910.D
Acq: 28 Sep 2021 00:44

Tgt Ion: 97 Resp: 1646
Ion Ratio Lower Upper
97 100
83 304.5 69.7 104.5#
85 40.9 44.8 67.2#
99 13.9 49.3 73.9#





#59

2-Hexanone

Concen: 0.271 ug/l

RT: 8.690 min Scan# 2286

Delta R.T. -0.000 min

Lab File: VU044910.D

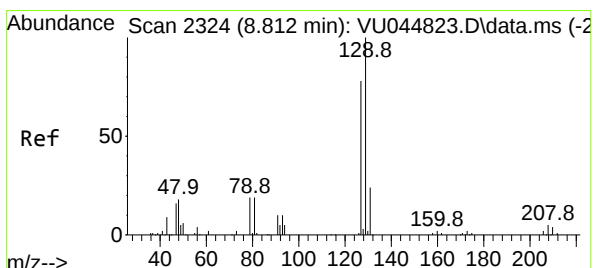
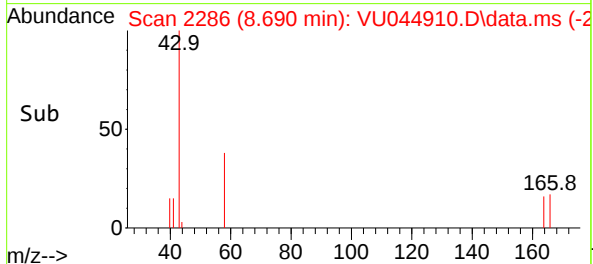
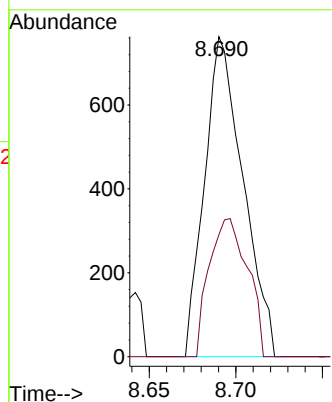
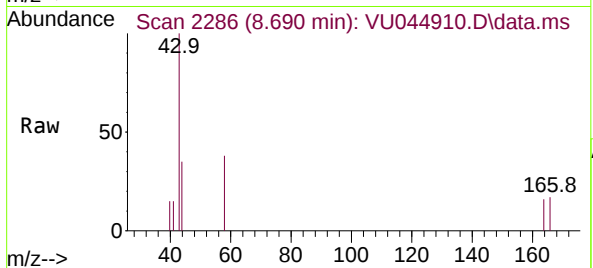
Acq: 28 Sep 2021 00:44

Tgt Ion: 43 Resp: 1178

Ion Ratio Lower Upper

43 100

58 42.9 28.0 84.0



#60

Dibromochloromethane

Concen: 66.162 ug/l

RT: 8.555 min Scan# 2244

Delta R.T. -0.257 min

Lab File: VU044910.D

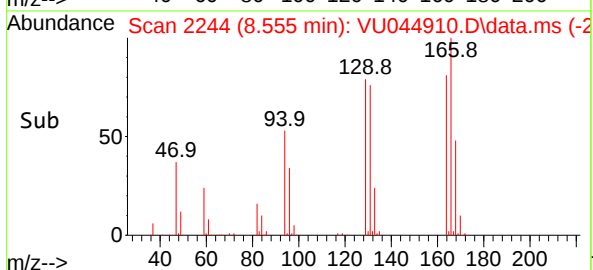
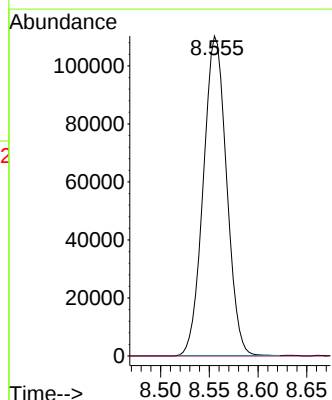
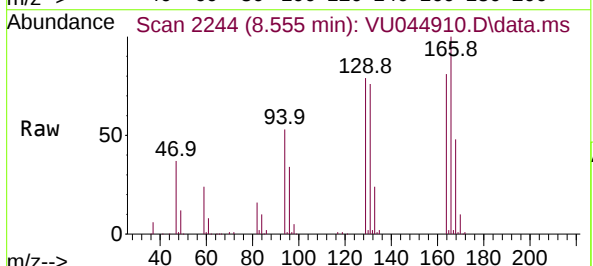
Acq: 28 Sep 2021 00:44

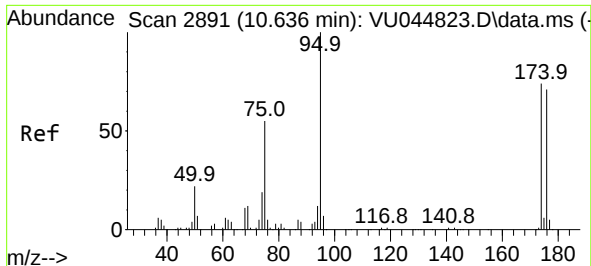
Tgt Ion:129 Resp: 182599

Ion Ratio Lower Upper

129 100

127 0.0 39.0 117.0#

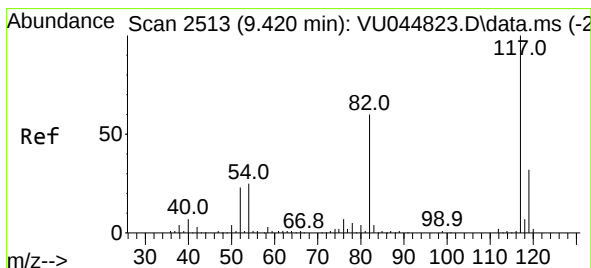
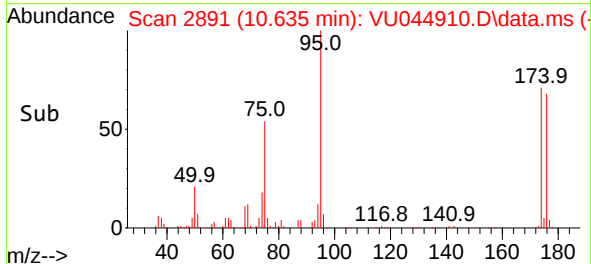
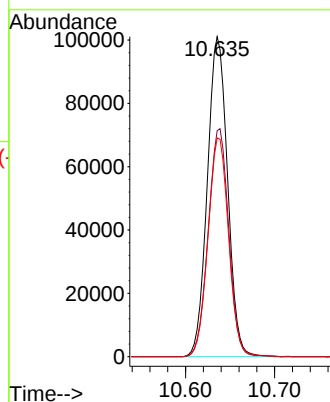
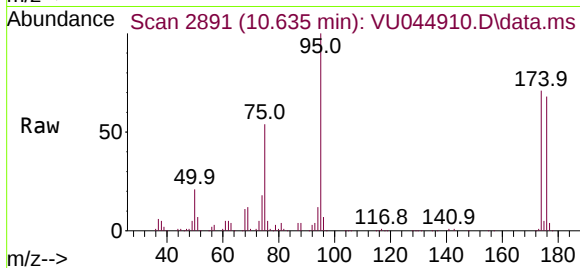




#62
4-Bromofluorobenzene
Concen: 47.457 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.000 min
Lab File: VU044910.D
Acq: 28 Sep 2021 00:44

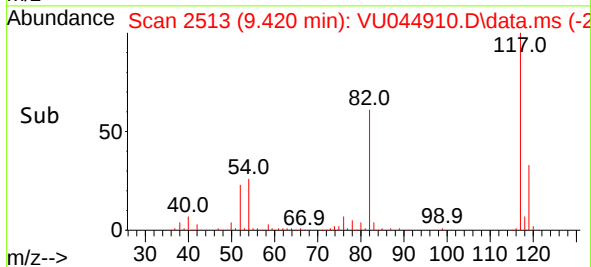
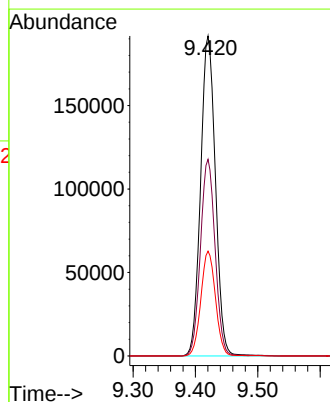
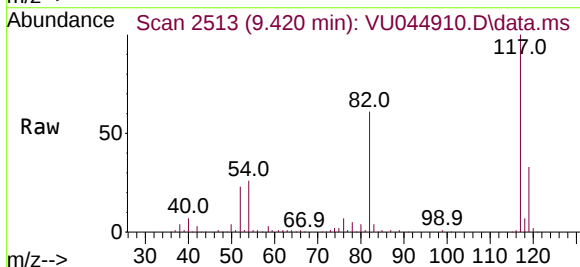
Instrument :
MSVOA_U
ClientSampleId :
1028-MW-02

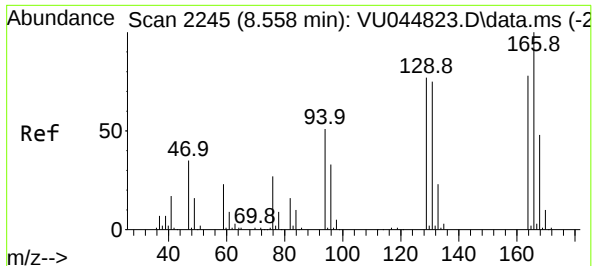
Tgt Ion: 95 Resp: 159177
Ion Ratio Lower Upper
95 100
174 72.2 0.0 146.6
176 69.3 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. -0.000 min
Lab File: VU044910.D
Acq: 28 Sep 2021 00:44

Tgt Ion: 117 Resp: 316990
Ion Ratio Lower Upper
117 100
82 61.4 47.8 71.8
119 32.7 25.8 38.6

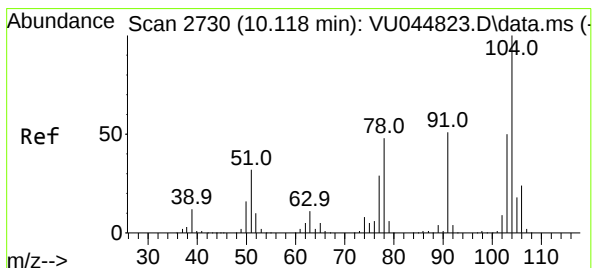
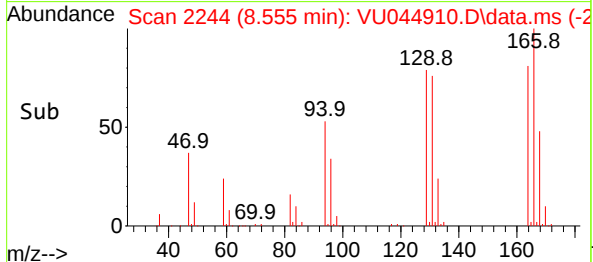
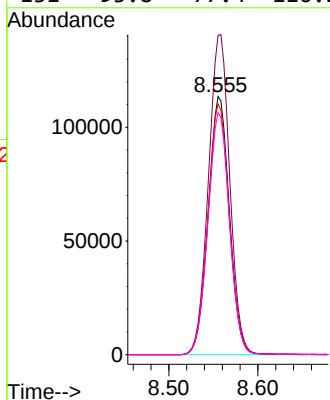
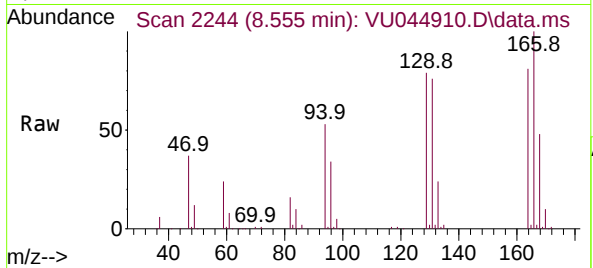




#64
Tetrachloroethene
Concen: 87.667 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. -0.003 min
Lab File: VU044910.D
Acq: 28 Sep 2021 00:44

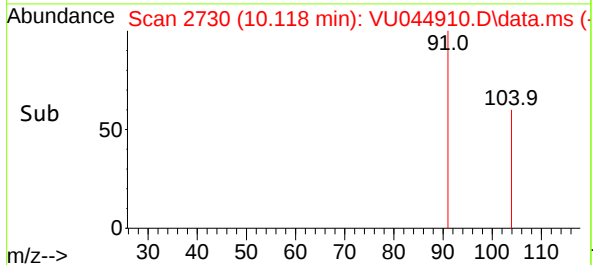
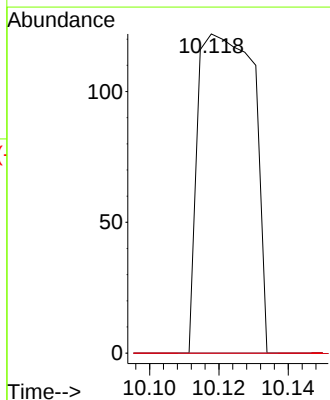
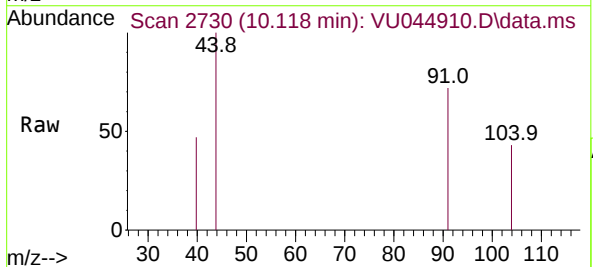
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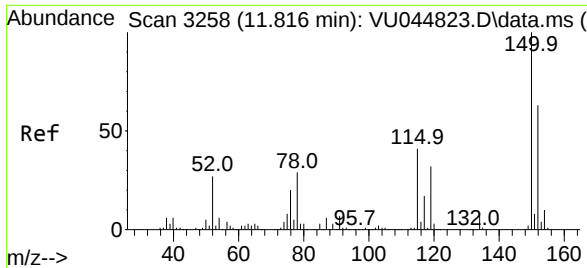
Tgt Ion:164 Resp: 188364
Ion Ratio Lower Upper
164 100
166 123.8 102.8 154.2
129 97.2 79.4 119.2
131 93.8 77.4 116.2



#70
Styrene
Concen: 1.027 ug/l
RT: 10.118 min Scan# 2730
Delta R.T. -0.000 min
Lab File: VU044910.D
Acq: 28 Sep 2021 00:44

Tgt Ion:104 Resp: 135
Ion Ratio Lower Upper
104 100
78 0.0 41.4 62.0#
103 0.0 43.5 65.3#

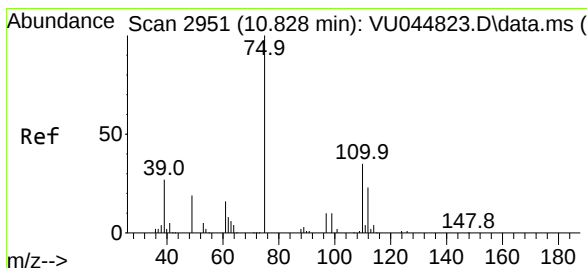
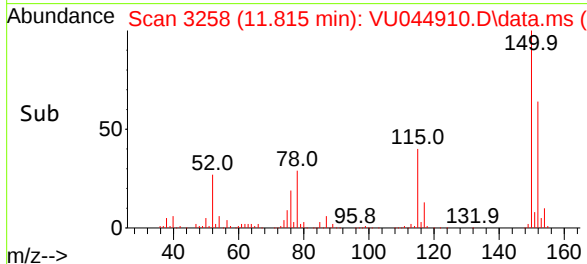
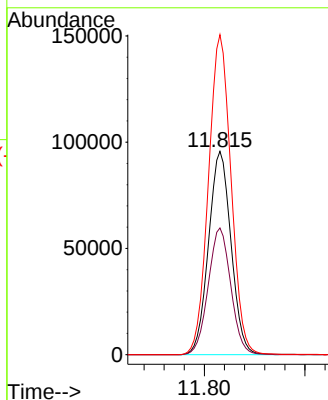
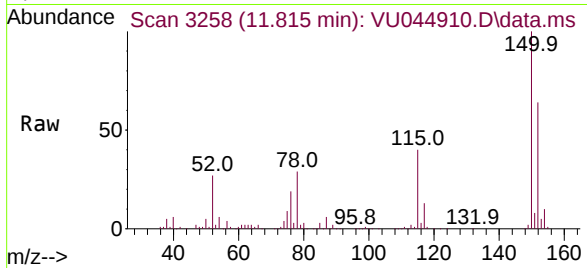




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.815 min Scan# 3258
 Delta R.T. -0.000 min
 Lab File: VU044910.D
 Acq: 28 Sep 2021 00:44

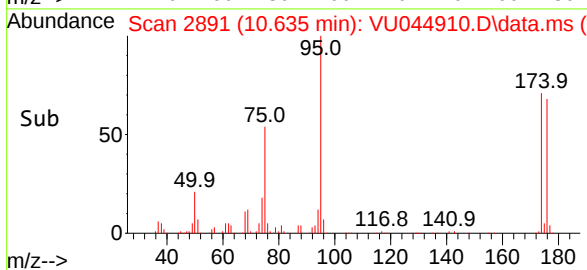
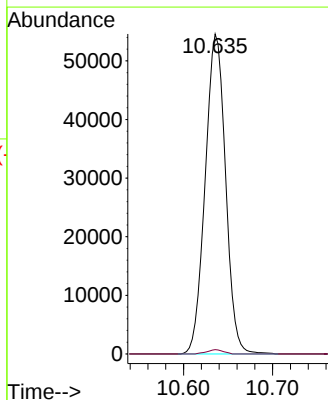
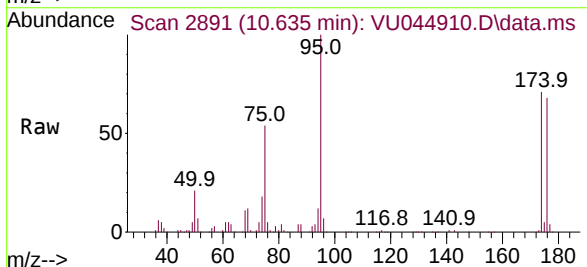
Instrument :
 MSVOA_U
 ClientSampled :
 1028-MW-02

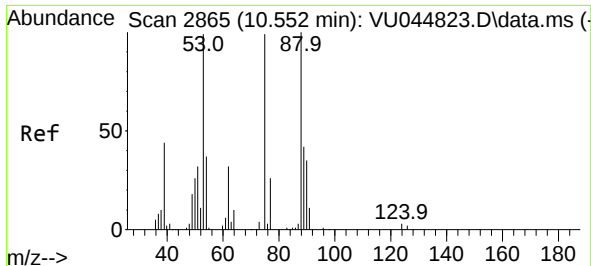
Tgt Ion:152 Resp: 148783
 Ion Ratio Lower Upper
 152 100
 115 62.3 43.5 130.7
 150 157.7 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 19.215 ug/l
 RT: 10.635 min Scan# 2891
 Delta R.T. -0.193 min
 Lab File: VU044910.D
 Acq: 28 Sep 2021 00:44

Tgt Ion: 75 Resp: 86572
 Ion Ratio Lower Upper
 75 100
 77 1.1 17.9 53.7#

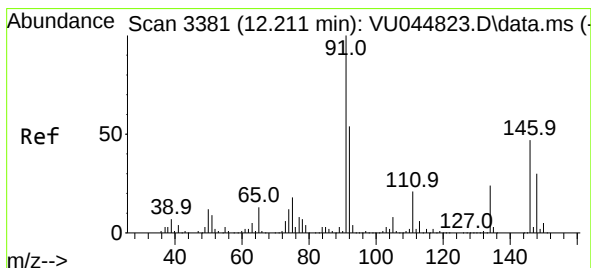
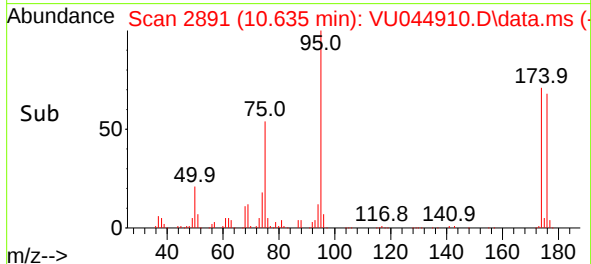
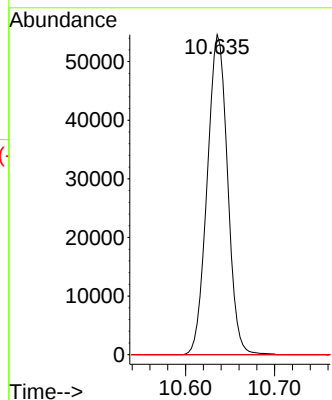
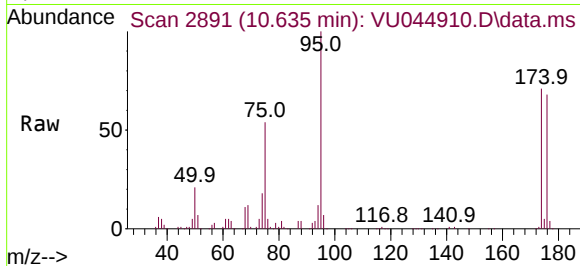




#81
trans-1,4-Dichloro-2-butene
Concen: 62.247 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU044910.D
Acq: 28 Sep 2021 00:44

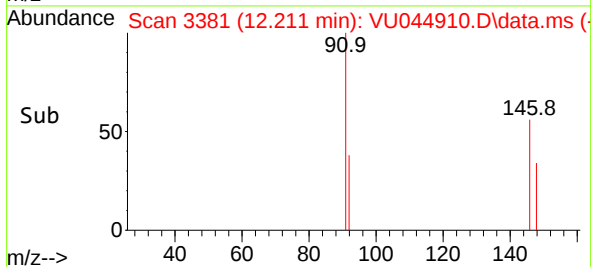
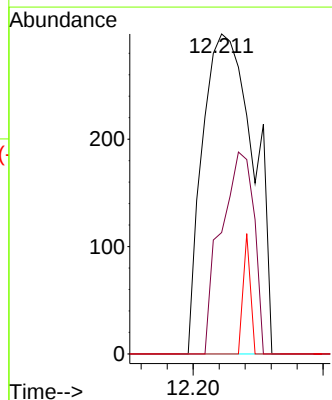
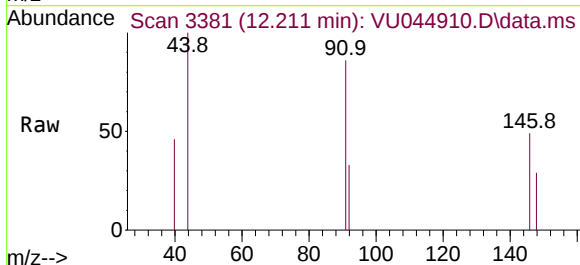
Instrument :
MSVOA_U
ClientSampleId :
1028-MW-02

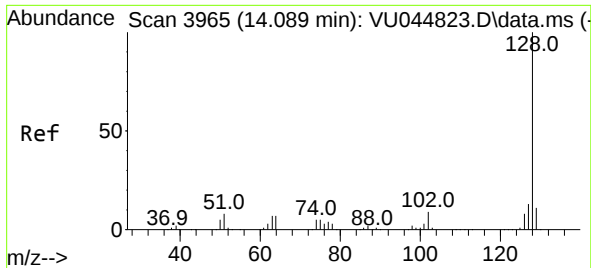
Tgt Ion: 75 Resp: 86572
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#



#89
n-Butylbenzene
Concen: 1.318 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. -0.000 min
Lab File: VU044910.D
Acq: 28 Sep 2021 00:44

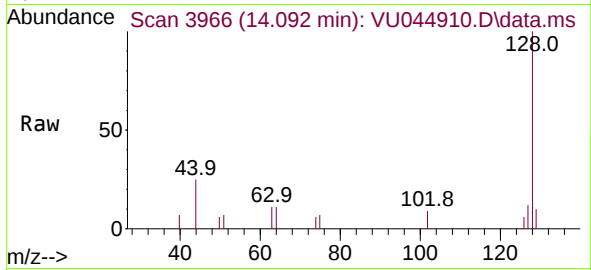
Tgt Ion: 91 Resp: 404
Ion Ratio Lower Upper
91 100
92 41.1 26.8 80.4
134 5.4 11.8 35.4#





#95
Naphthalene
Concen: 1.237 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU044910.D
Acq: 28 Sep 2021 00:44

Instrument :
MSVOA_U
ClientSampleId :
1028-MW-02



Tgt Ion:128 Resp: 3420
Ion Ratio Lower Upper
128 100
127 11.3 10.4 15.6
129 8.9 8.6 13.0

