

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092521\
 Data File : VU044866.D
 Acq On : 26 Sep 2021 03:30
 Operator : SY/MD
 Sample : M3859-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 1030-MW-11

Quant Time: Sep 27 03:15:08 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)

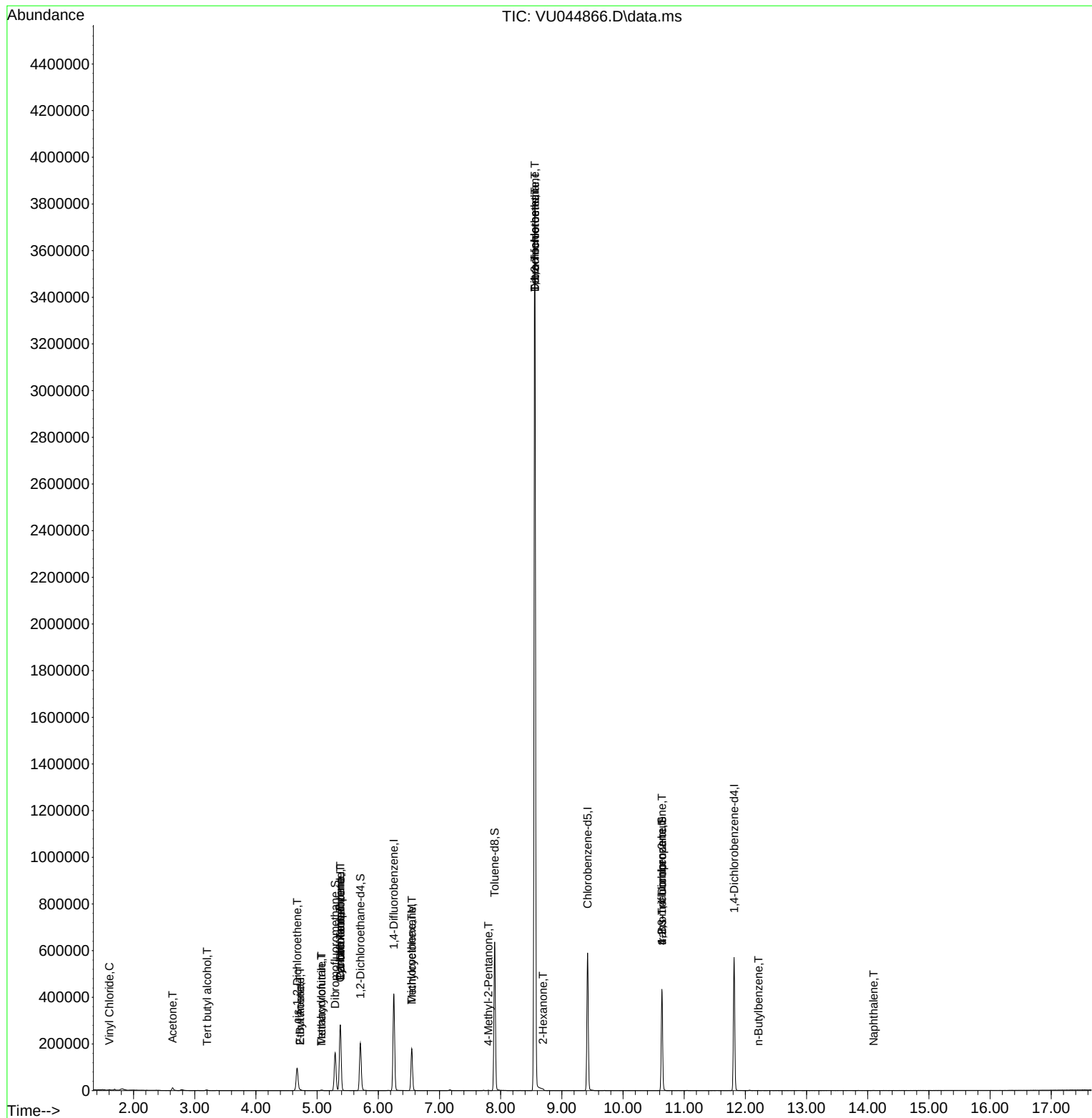
Internal Standards						
1) Pentafluorobenzene	5.379	168	182863	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	321388	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	301230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	136939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	153631	48.138	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.280%	
35) Dibromofluoromethane	5.295	113	103627	47.001	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.000%	
50) Toluene-d8	7.903	98	412462	49.533	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.060%	
62) 4-Bromofluorobenzene	10.636	95	143042	46.250	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.500%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.607	62	779	0.251	ug/l #	58
5) Bromomethane	1.858	94	598	Below Cal		95
6) Chloroethane	1.951	64	152	Below Cal	#	42
11) Tert butyl alcohol	3.202	59	2675	2.872	ug/l #	72
16) Acetone	2.639	43	16480	9.155	ug/l	97
25) 2-Butanone	4.723	43	6568	2.405	ug/l	98
27) cis-1,2-Dichloroethene	4.674	96	48706	16.988	ug/l	88
29) Tetrahydrofuran	5.070	42	1839	1.070	ug/l	87
31) Cyclohexane	5.375	56	5403	1.179	ug/l #	4
36) 1,1-Dichloropropene	5.379	75	17223	5.051	ug/l #	49
37) Ethyl Acetate	4.723	43	6568	1.313	ug/l #	69
38) Carbon Tetrachloride	5.379	117	19119	6.272	ug/l #	17
39) Methylcyclohexane	6.549	83	802	0.208	ug/l #	1
41) Methacrylonitrile	5.073	41	1171	0.469	ug/l #	43
44) Trichloroethene	6.546	130	57178	22.883	ug/l	98
51) 4-Methyl-2-Pentanone	7.800	43	1404	0.281	ug/l #	84
55) 1,1,2-Trichloroethane	8.559	97	7613	2.865	ug/l #	1
59) 2-Hexanone	8.690	43	892	0.223	ug/l	79
60) Dibromochloromethane	8.559	129	763014	299.828	ug/l #	10
64) Tetrachloroethene	8.559	164	785818	384.865	ug/l	98
76) 1,2,3-Trichloropropane	10.636	75	77689	18.735	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	77689	60.691	ug/l #	9
89) n-Butylbenzene	12.214	91	98	1.287	ug/l #	33
95) Naphthalene	14.095	128	773	1.015	ug/l #	69

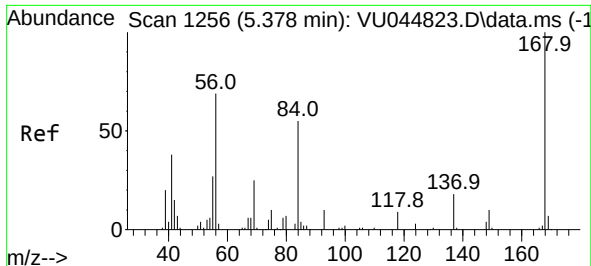
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

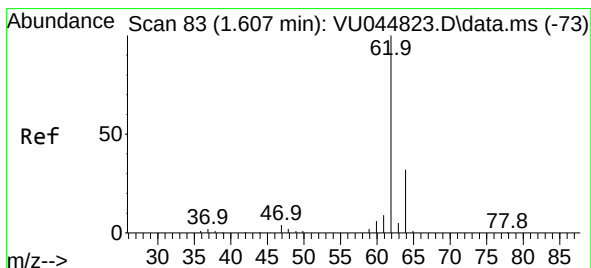
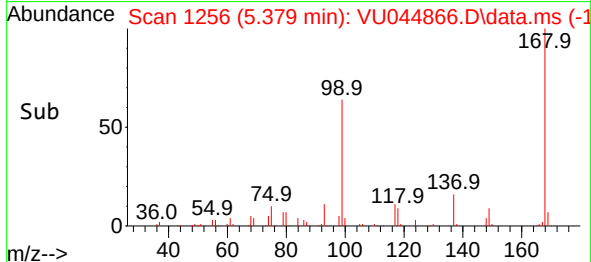
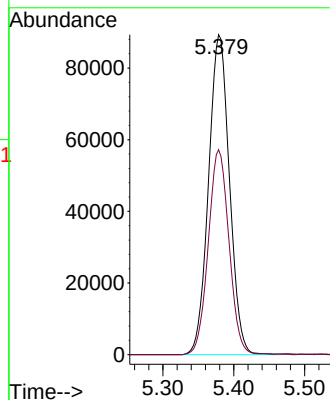
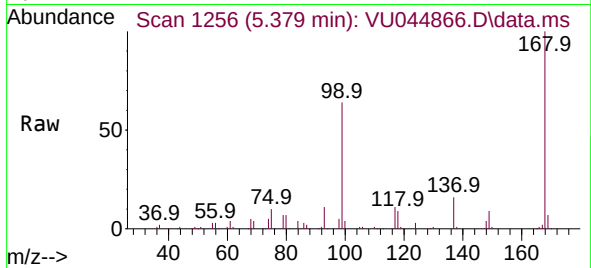




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. 0.001 min
Lab File: VU044866.D
Acq: 26 Sep 2021 03:30

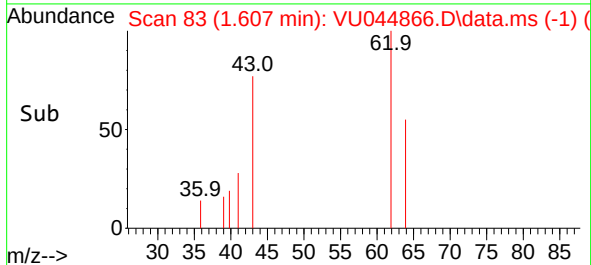
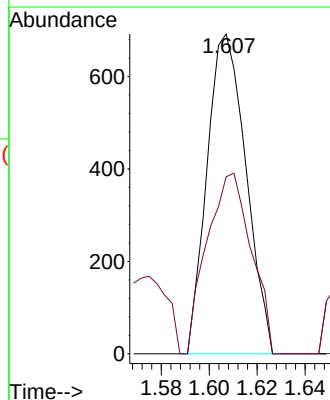
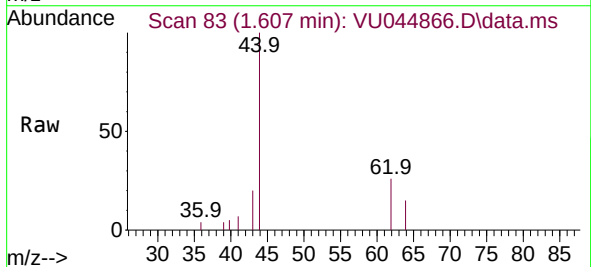
Instrument :
MSVOA_U
ClientSampleId :
1030-MW-11

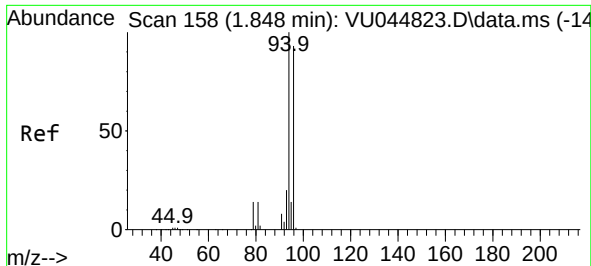
Tgt Ion:168 Resp: 182863
Ion Ratio Lower Upper
168 100
99 64.0 51.4 77.0



#4
Vinyl Chloride
Concen: 0.251 ug/l
RT: 1.607 min Scan# 83
Delta R.T. 0.000 min
Lab File: VU044866.D
Acq: 26 Sep 2021 03:30

Tgt Ion: 62 Resp: 779
Ion Ratio Lower Upper
62 100
64 55.3 25.6 38.4#

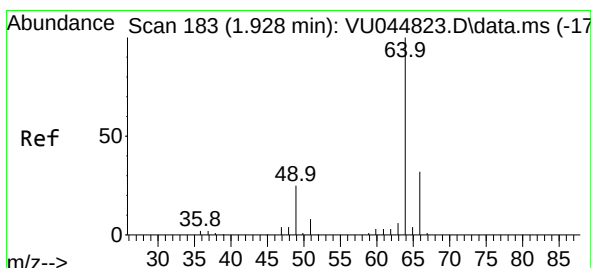
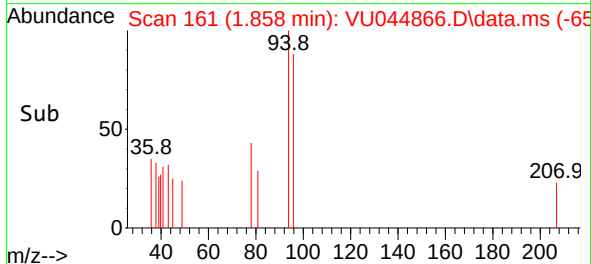
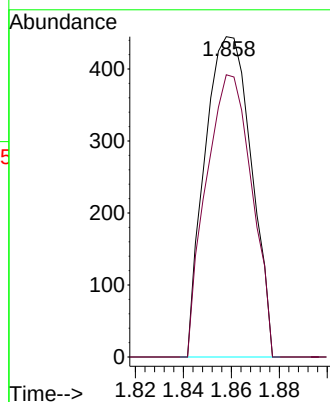
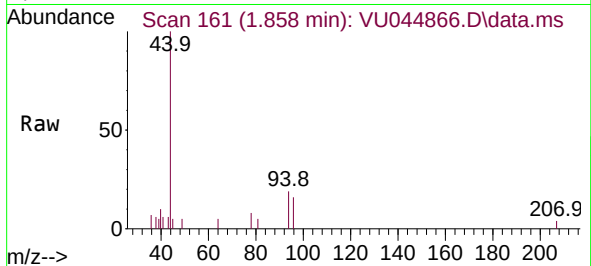




#5
Bromomethane
Concen: Below Cal
RT: 1.858 min Scan# 161
Delta R.T. 0.010 min
Lab File: VU044866.D
Acq: 26 Sep 2021 03:30

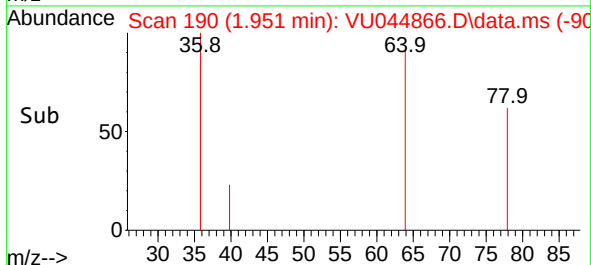
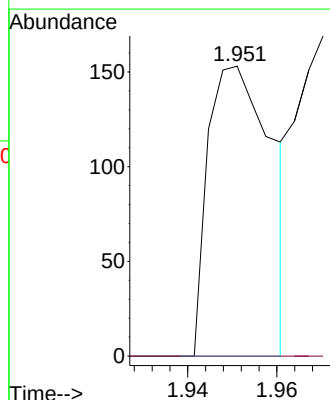
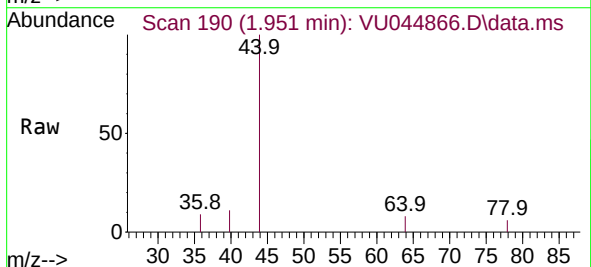
Instrument :
MSVOA_U
ClientSampleId :
1030-MW-11

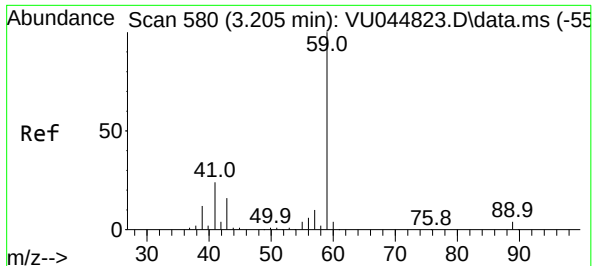
Tgt Ion: 94 Resp: 598
Ion Ratio Lower Upper
94 100
96 88.1 74.5 111.7



#6
Chloroethane
Concen: Below Cal
RT: 1.951 min Scan# 190
Delta R.T. 0.023 min
Lab File: VU044866.D
Acq: 26 Sep 2021 03:30

Tgt Ion: 64 Resp: 152
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#



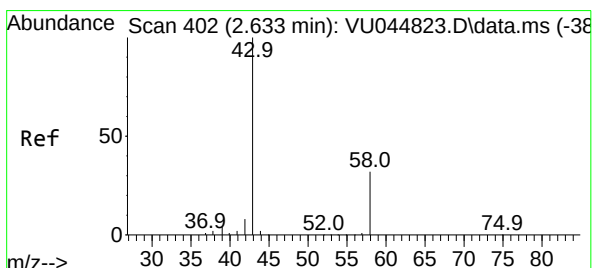
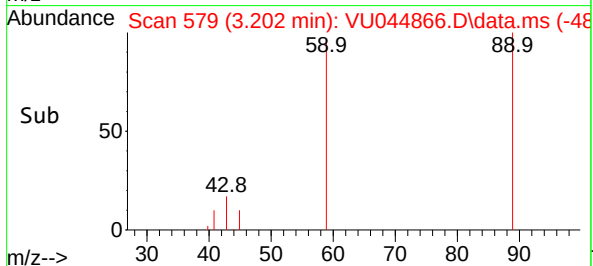
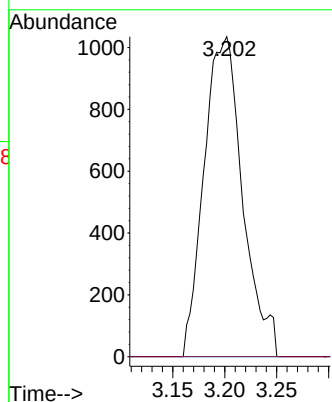
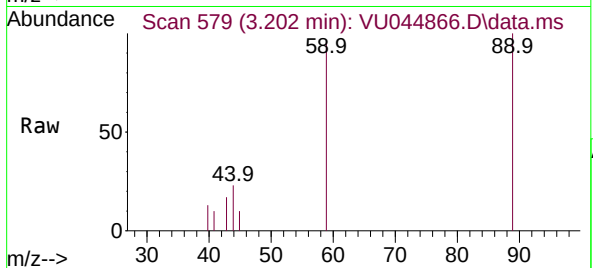


#11

Tert butyl alcohol
Concen: 2.872 ug/l
RT: 3.202 min Scan# 579
Delta R.T. -0.003 min
Lab File: VU044866.D
Acq: 26 Sep 2021 03:30

Instrument :
MSVOA_U
ClientSampleId :
1030-MW-11

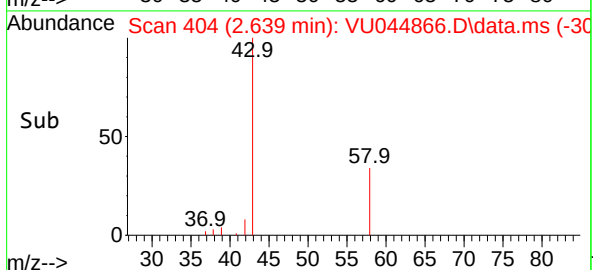
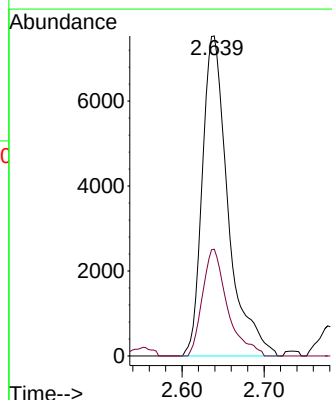
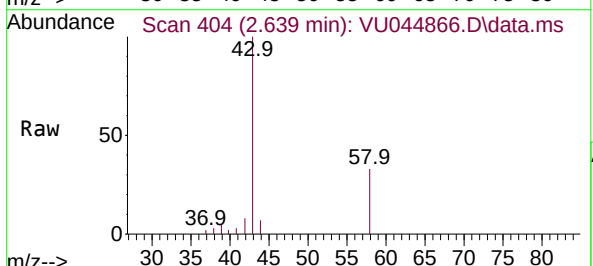
Tgt Ion: 59 Resp: 2675
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

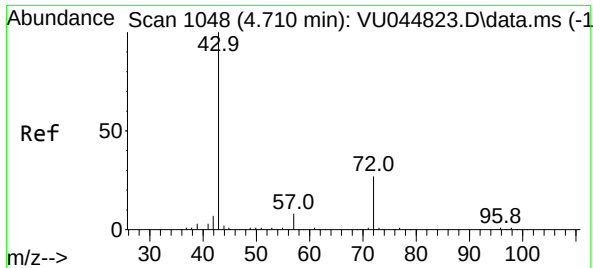


#16

Acetone
Concen: 9.155 ug/l
RT: 2.639 min Scan# 404
Delta R.T. 0.007 min
Lab File: VU044866.D
Acq: 26 Sep 2021 03:30

Tgt Ion: 43 Resp: 16480
Ion Ratio Lower Upper
43 100
58 33.3 25.2 37.8

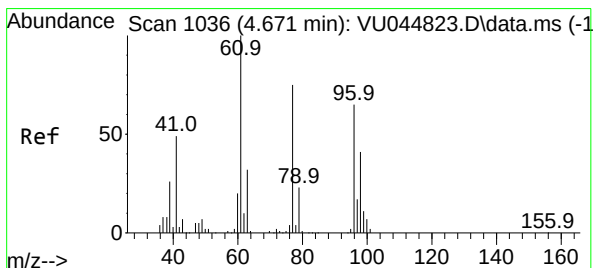
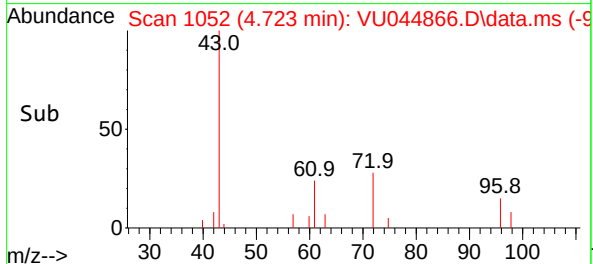
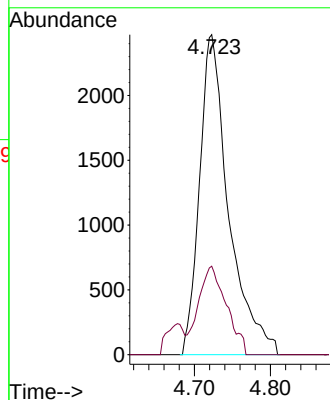
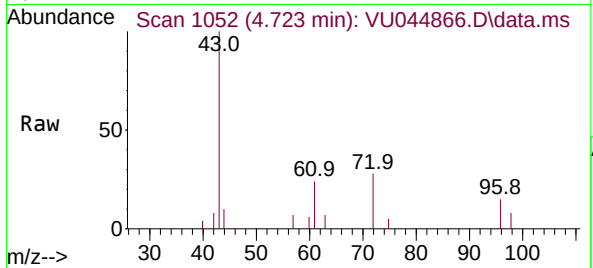




#25
2-Butanone
Concen: 2.405 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.013 min
Lab File: VU044866.D
Acq: 26 Sep 2021 03:30

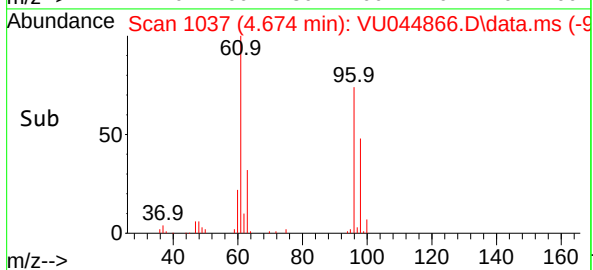
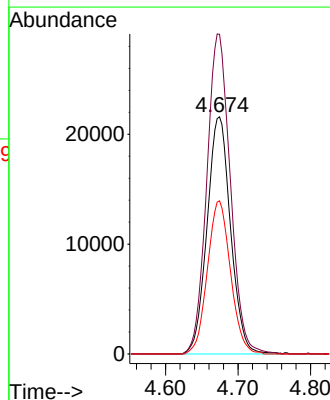
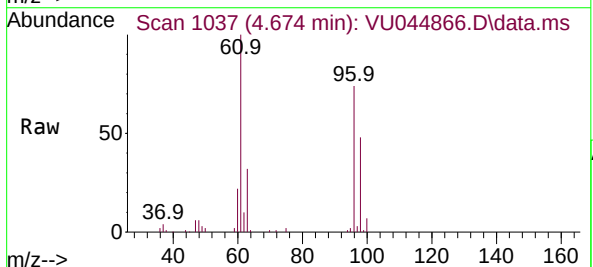
Instrument :
MSVOA_U
ClientSampled :
1030-MW-11

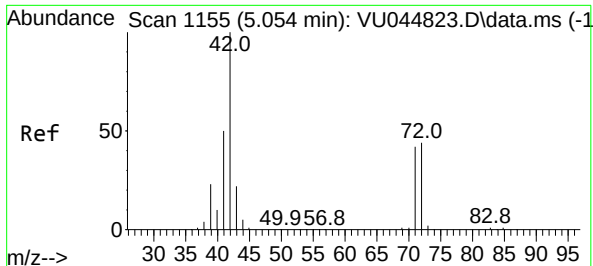
Tgt Ion: 43 Resp: 6568
Ion Ratio Lower Upper
43 100
72 27.7 21.3 31.9



#27
cis-1,2-Dichloroethene
Concen: 16.988 ug/l
RT: 4.674 min Scan# 1037
Delta R.T. 0.003 min
Lab File: VU044866.D
Acq: 26 Sep 2021 03:30

Tgt Ion: 96 Resp: 48706
Ion Ratio Lower Upper
96 100
61 135.0 0.0 313.4
98 63.3 0.0 127.0





#29

Tetrahydrofuran

Concen: 1.070 ug/l

RT: 5.070 min Scan# 1160

Delta R.T. 0.016 min

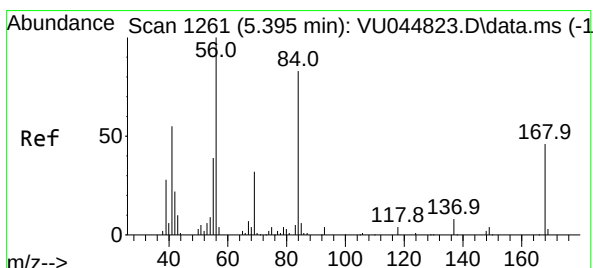
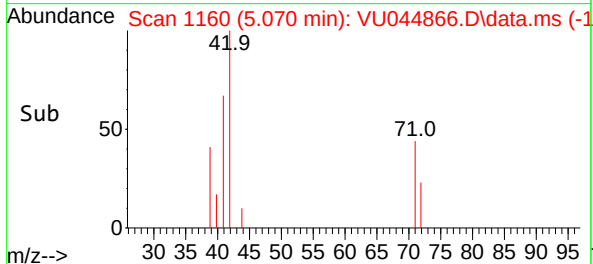
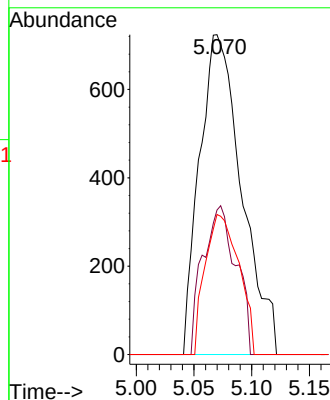
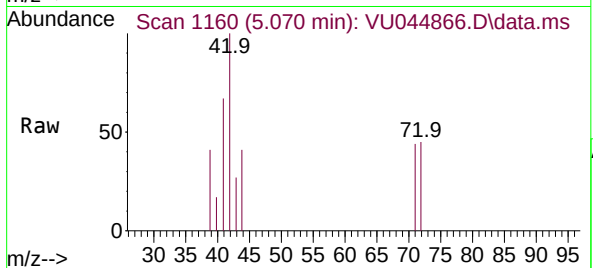
Lab File: VU044866.D

Acq: 26 Sep 2021 03:30

Tgt Ion: 42 Resp: 1839

Ion	Ratio	Lower	Upper
42	100		
72	36.6	36.2	54.4
71	35.0	34.1	51.1

Instrument :
MSVOA_U
ClientSampleId :
1030-MW-11



#31

Cyclohexane

Concen: 1.179 ug/l

RT: 5.375 min Scan# 1255

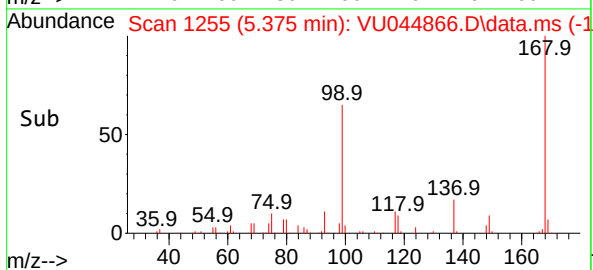
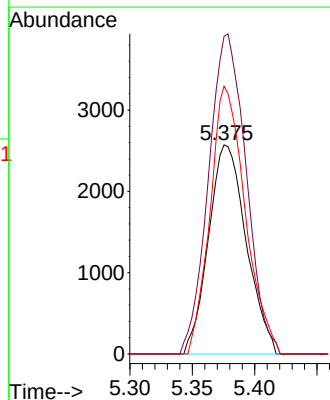
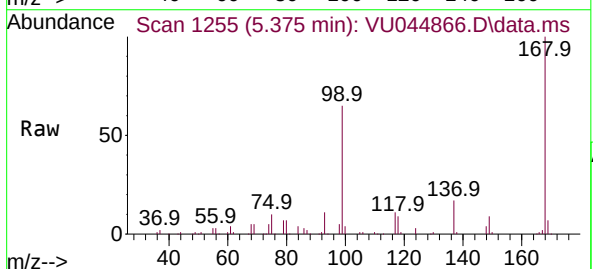
Delta R.T. -0.019 min

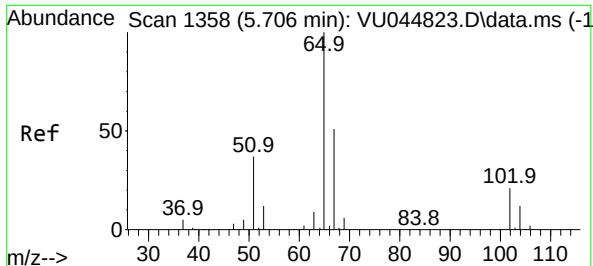
Lab File: VU044866.D

Acq: 26 Sep 2021 03:30

Tgt Ion: 56 Resp: 5403

Ion	Ratio	Lower	Upper
56	100		
69	151.8	25.2	37.8#
84	128.0	66.4	99.6#



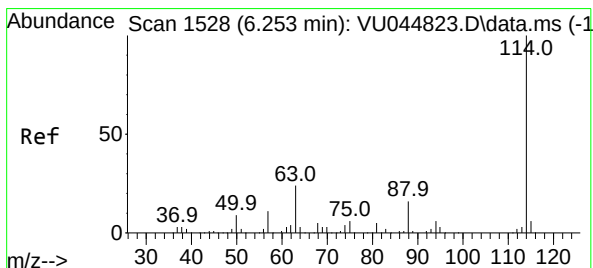
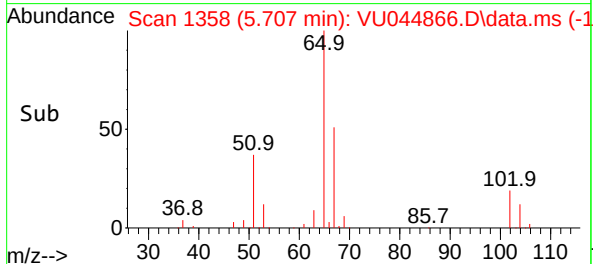
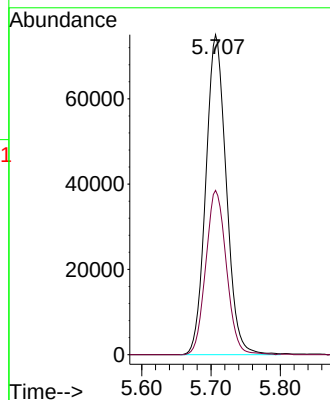
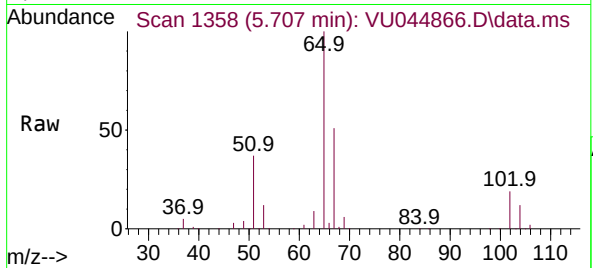


#33

1,2-Dichloroethane-d4
Concen: 48.138 ug/l
RT: 5.707 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VU044866.D
Acq: 26 Sep 2021 03:30

Instrument :
MSVOA_U
ClientSampled :
1030-MW-11

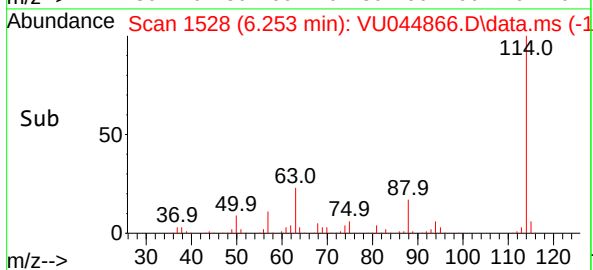
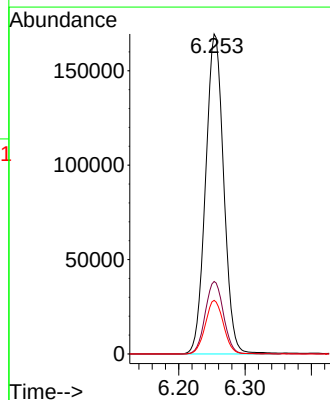
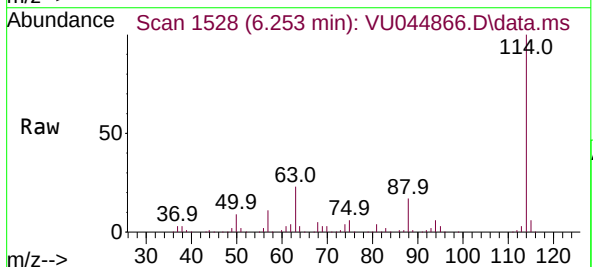
Tgt Ion: 65 Resp: 153631
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.8

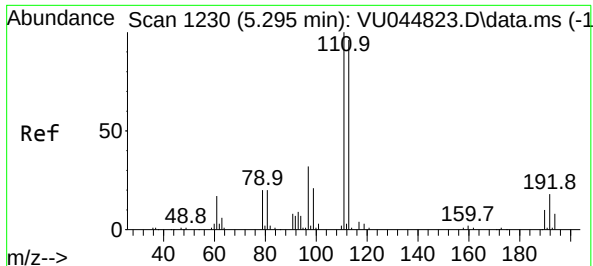


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. 0.000 min
Lab File: VU044866.D
Acq: 26 Sep 2021 03:30

Tgt Ion: 114 Resp: 321388
Ion Ratio Lower Upper
114 100
63 22.7 0.0 47.8
88 16.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.001 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. 0.000 min

Lab File: VU044866.D

Acq: 26 Sep 2021 03:30

Tgt Ion:113 Resp: 103627

Ion Ratio Lower Upper

113 100

111 104.1 84.1 126.1

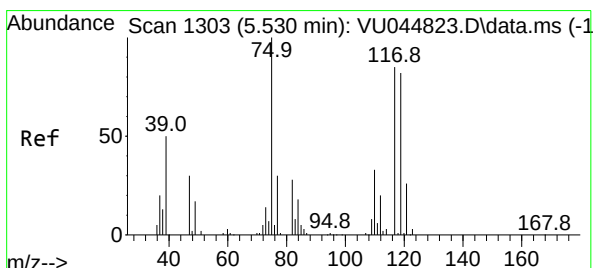
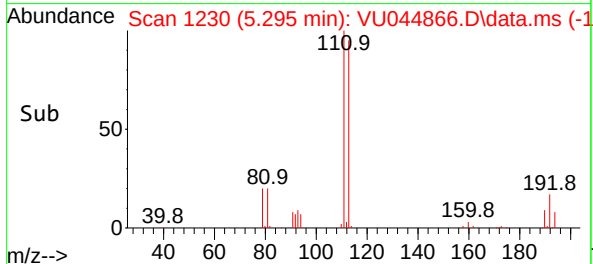
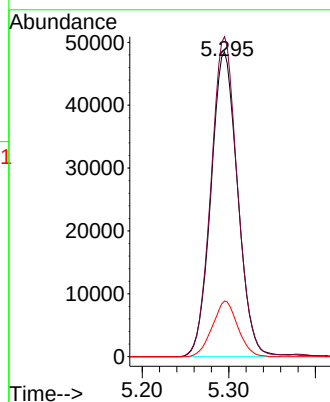
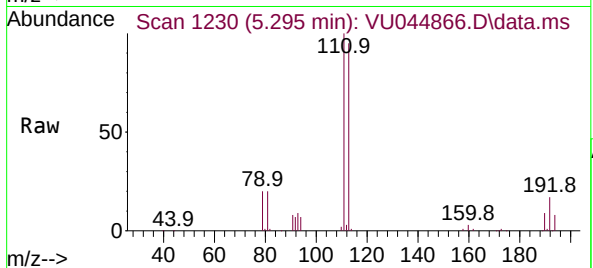
192 17.4 14.8 22.2

Instrument :

MSVOA_U

ClientSampleId :

1030-MW-11



#36

1,1-Dichloropropene

Concen: 5.051 ug/l

RT: 5.379 min Scan# 1256

Delta R.T. -0.151 min

Lab File: VU044866.D

Acq: 26 Sep 2021 03:30

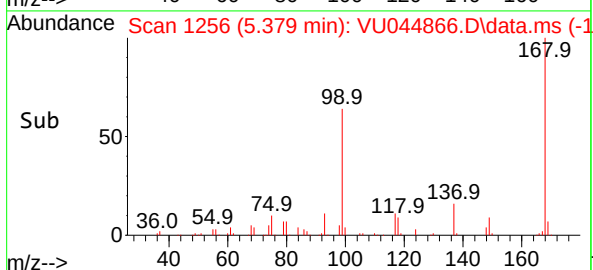
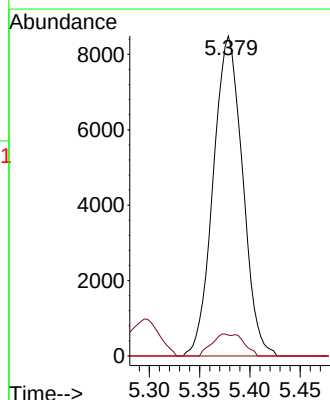
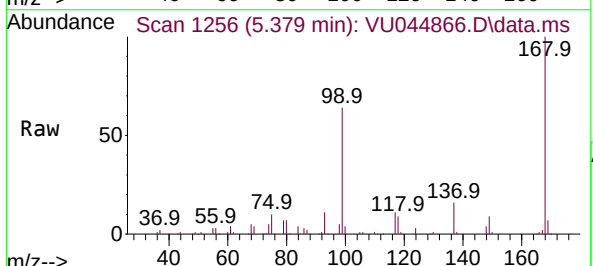
Tgt Ion: 75 Resp: 17223

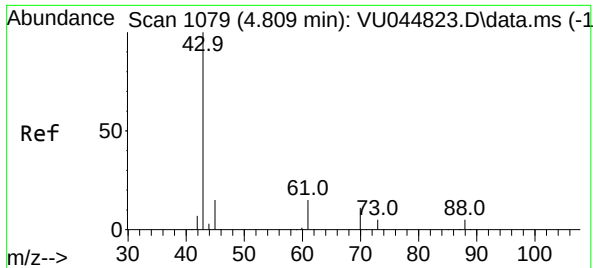
Ion Ratio Lower Upper

75 100

110 7.3 16.3 48.9#

77 0.0 25.0 37.4#

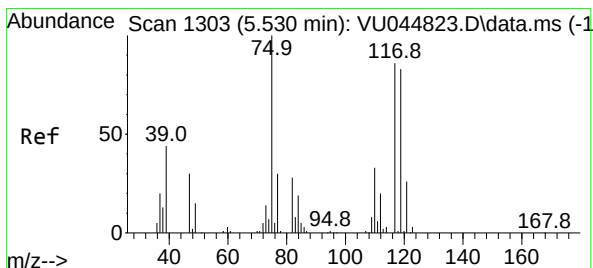
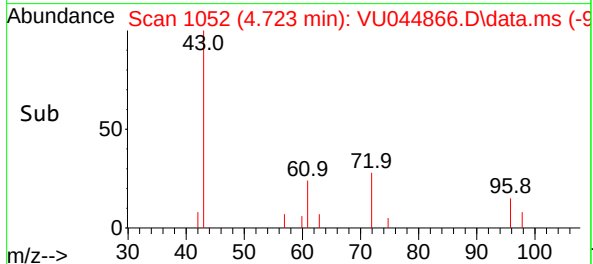
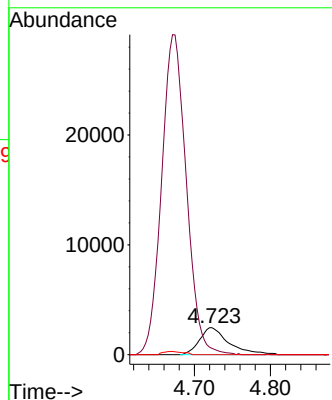
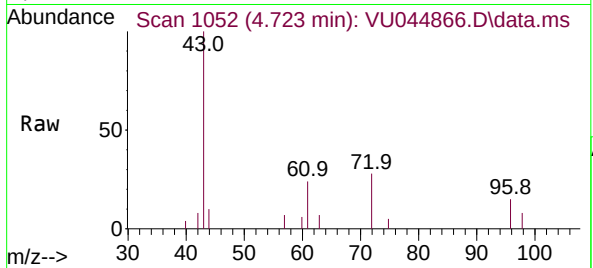




#37
Ethyl Acetate
Concen: 1.313 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. -0.087 min
Lab File: VU044866.D
Acq: 26 Sep 2021 03:30

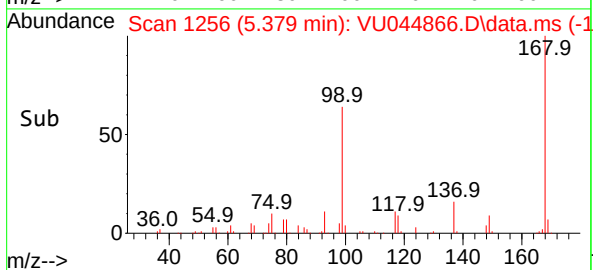
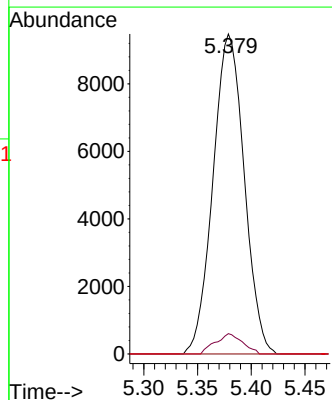
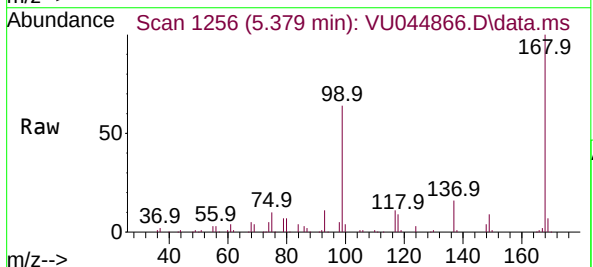
Instrument :
MSVOA_U
ClientSampled :
1030-MW-11

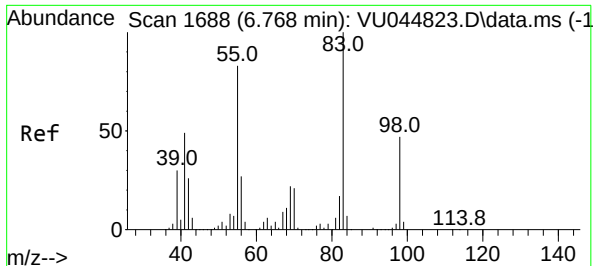
Tgt Ion: 43 Resp: 6568
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 6.272 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU044866.D
Acq: 26 Sep 2021 03:30

Tgt Ion: 117 Resp: 19119
Ion Ratio Lower Upper
117 100
119 6.3 77.4 116.2#
121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 0.208 ug/l

RT: 6.549 min Scan# 1620

Delta R.T. -0.219 min

Lab File: VU044866.D

Acq: 26 Sep 2021 03:30

Tgt Ion: 83 Resp: 802

Ion Ratio Lower Upper

83 100

55 0.0 66.2 99.4#

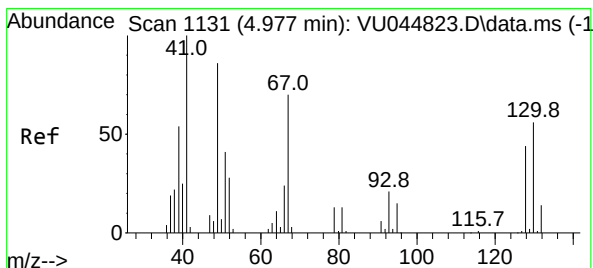
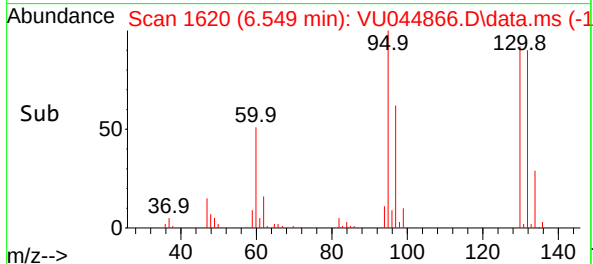
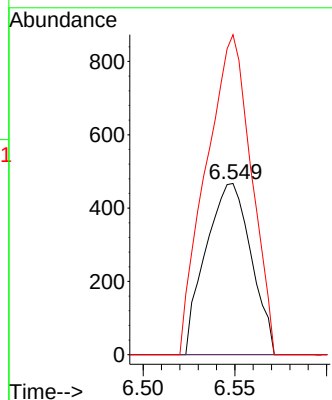
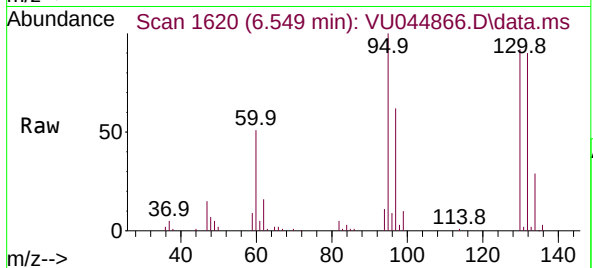
98 186.9 37.5 56.3#

Instrument :

MSVOA_U

ClientSampleId :

1030-MW-11



#41

Methacrylonitrile

Concen: 0.469 ug/l

RT: 5.073 min Scan# 1161

Delta R.T. 0.097 min

Lab File: VU044866.D

Acq: 26 Sep 2021 03:30

Tgt Ion: 41 Resp: 1171

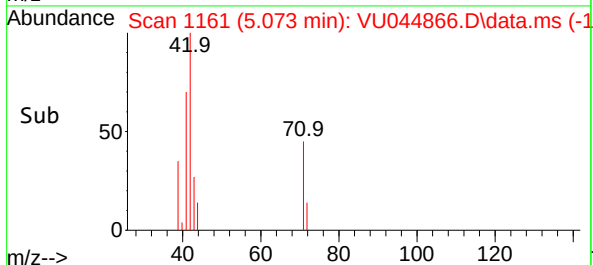
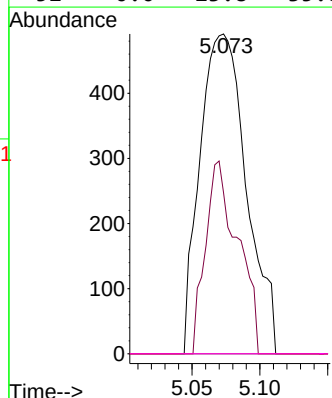
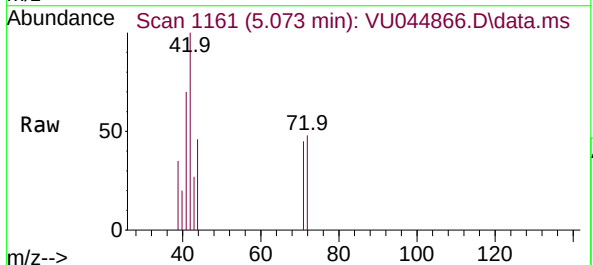
Ion Ratio Lower Upper

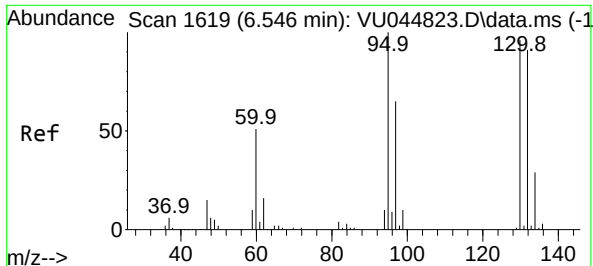
41 100

39 41.9 44.4 66.6#

67 0.0 58.1 87.1#

52 0.0 23.8 35.8#

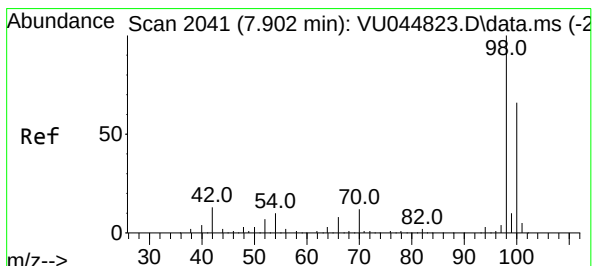
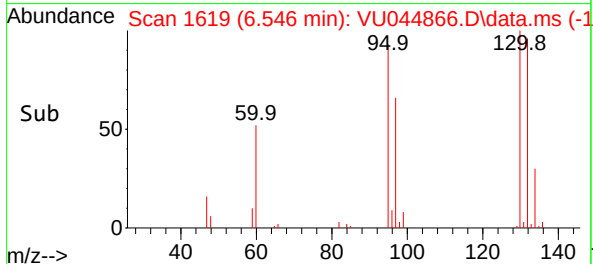
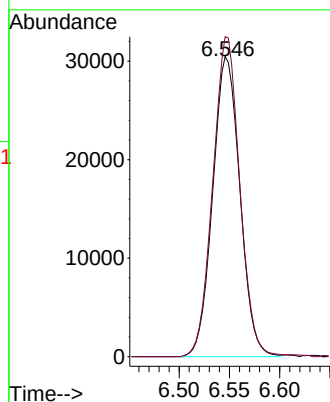
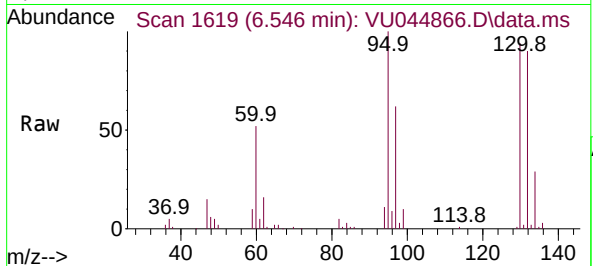




#44
Trichloroethene
Concen: 22.883 ug/l
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU044866.D
Acq: 26 Sep 2021 03:30

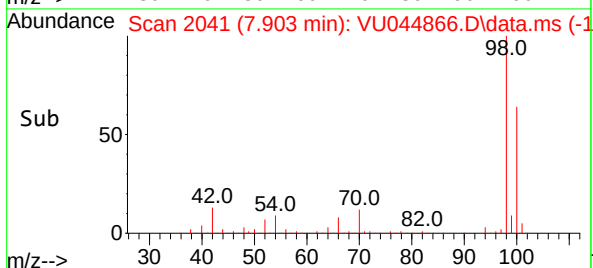
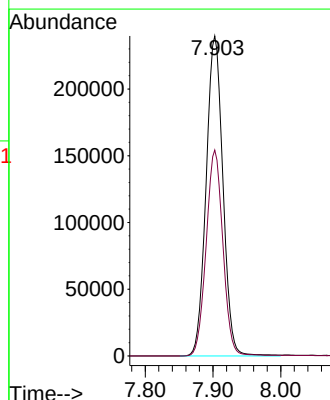
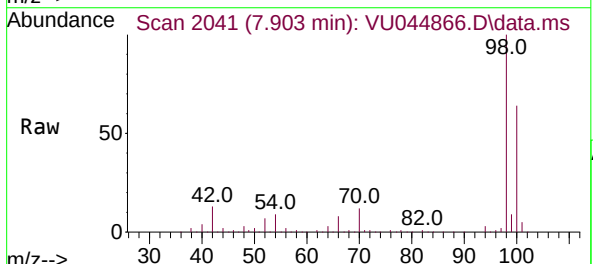
Instrument :
MSVOA_U
ClientSampleId :
1030-MW-11

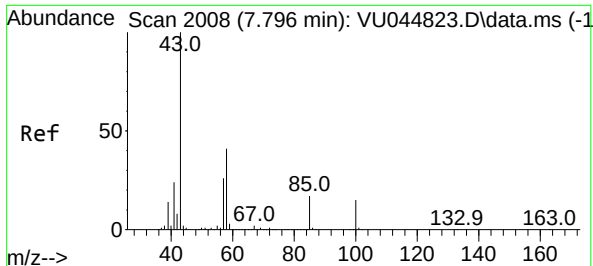
Tgt Ion:130 Resp: 57178
Ion Ratio Lower Upper
130 100
95 106.6 0.0 209.0



#50
Toluene-d8
Concen: 49.533 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VU044866.D
Acq: 26 Sep 2021 03:30

Tgt Ion: 98 Resp: 412462
Ion Ratio Lower Upper
98 100
100 64.2 52.5 78.7

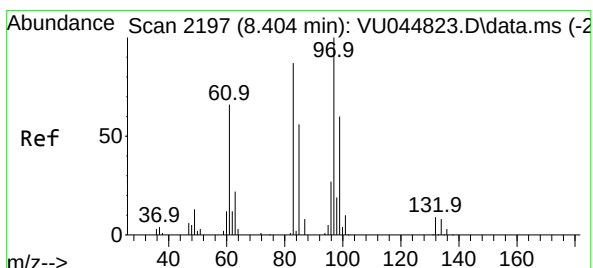
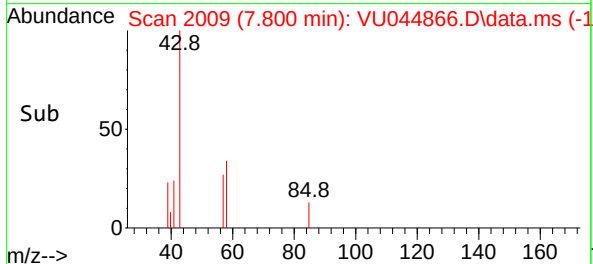
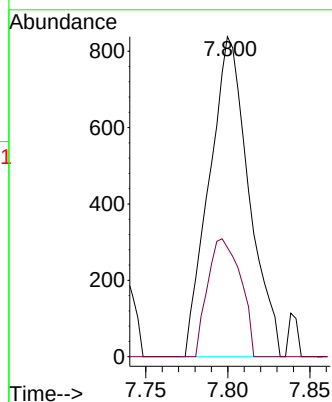
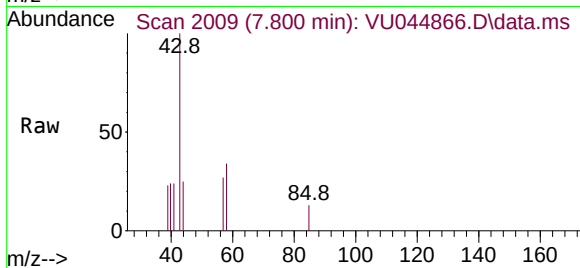




#51
4-Methyl-2-Pentanone
Concen: 0.281 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. 0.003 min
Lab File: VU044866.D
Acq: 26 Sep 2021 03:30

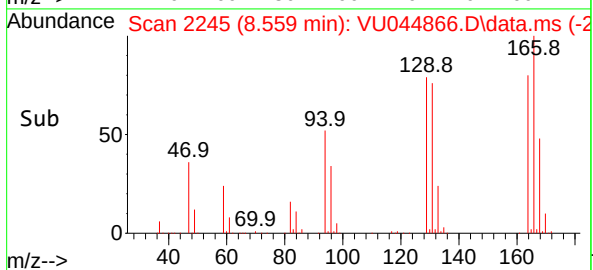
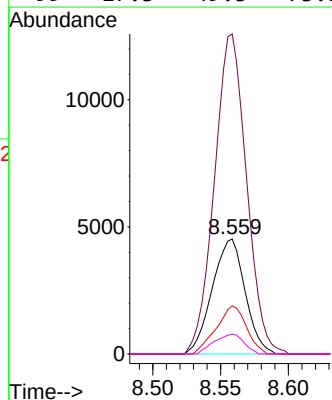
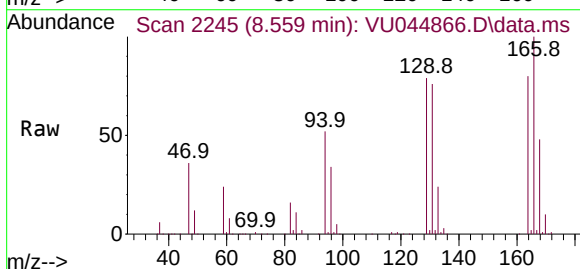
Instrument :
MSVOA_U
ClientSampled :
1030-MW-11

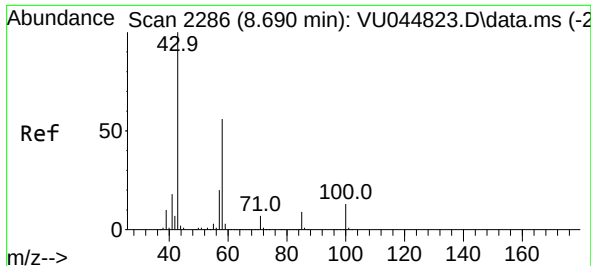
Tgt Ion: 43 Resp: 1404
Ion Ratio Lower Upper
43 100
58 30.6 32.4 48.6#



#55
1,1,2-Trichloroethane
Concen: 2.865 ug/l
RT: 8.559 min Scan# 2245
Delta R.T. 0.154 min
Lab File: VU044866.D
Acq: 26 Sep 2021 03:30

Tgt Ion: 97 Resp: 7613
Ion Ratio Lower Upper
97 100
83 278.5 69.7 104.5#
85 41.8 44.8 67.2#
99 17.3 49.3 73.9#





#59

2-Hexanone

Concen: 0.223 ug/l

RT: 8.690 min Scan# 2286

Delta R.T. 0.000 min

Lab File: VU044866.D

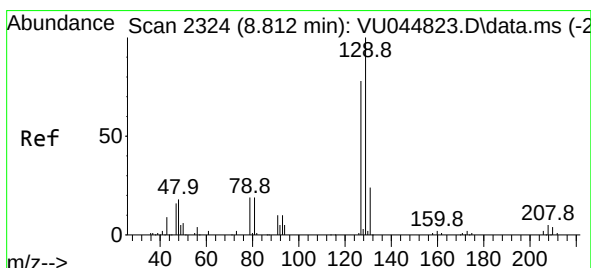
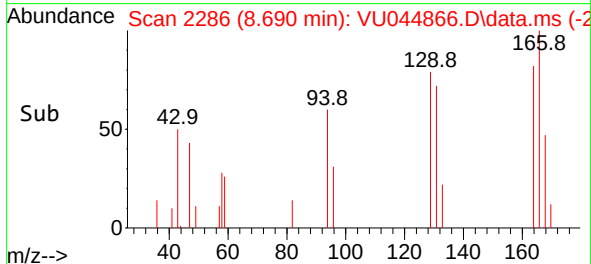
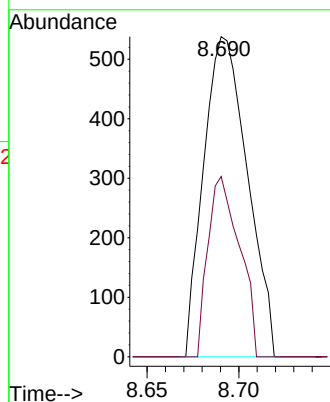
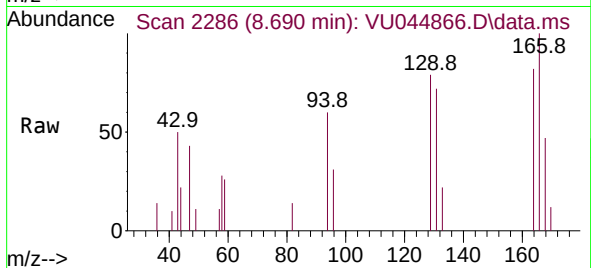
Acq: 26 Sep 2021 03:30

Tgt Ion: 43 Resp: 892

Ion Ratio Lower Upper

43 100

58 40.6 28.0 84.0



#60

Dibromochloromethane

Concen: 299.828 ug/l

RT: 8.559 min Scan# 2245

Delta R.T. -0.254 min

Lab File: VU044866.D

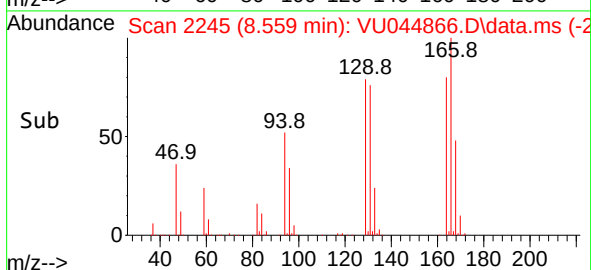
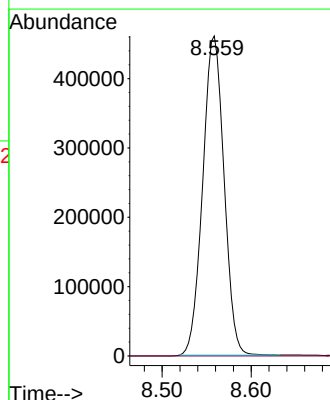
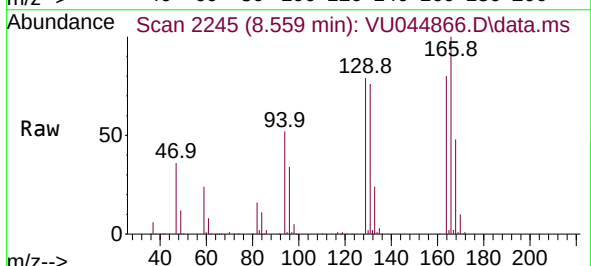
Acq: 26 Sep 2021 03:30

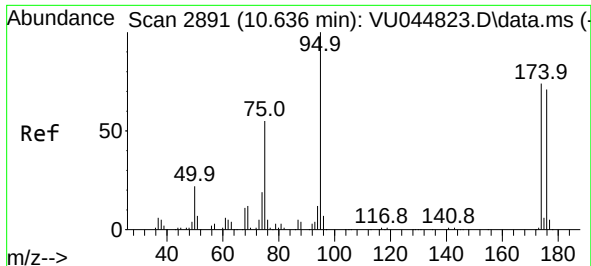
Tgt Ion:129 Resp: 763014

Ion Ratio Lower Upper

129 100

127 0.0 39.0 117.0#

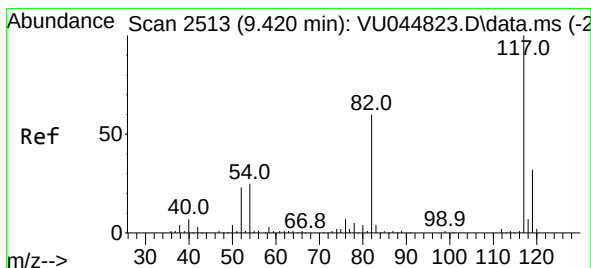
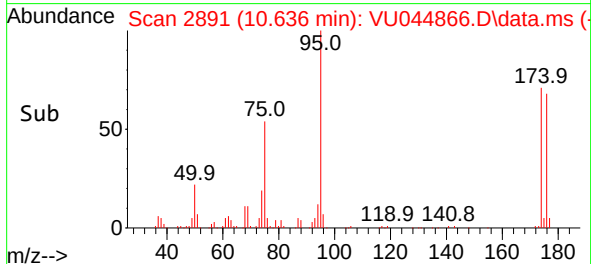
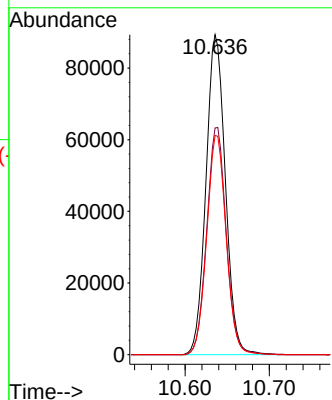
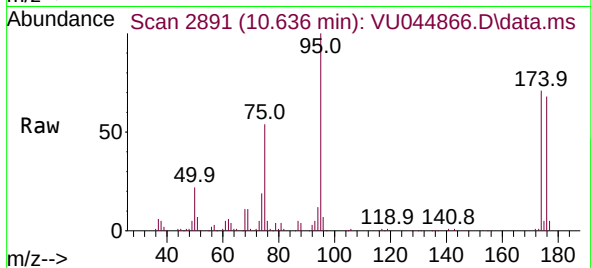




#62
4-Bromofluorobenzene
Concen: 46.250 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU044866.D
Acq: 26 Sep 2021 03:30

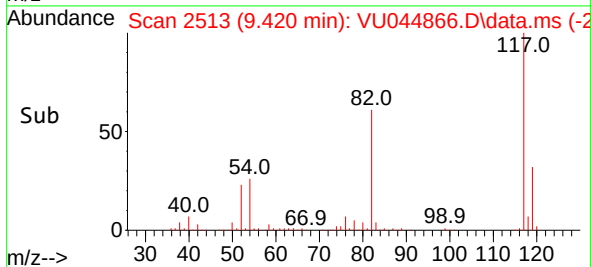
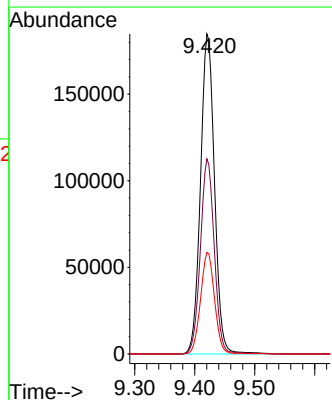
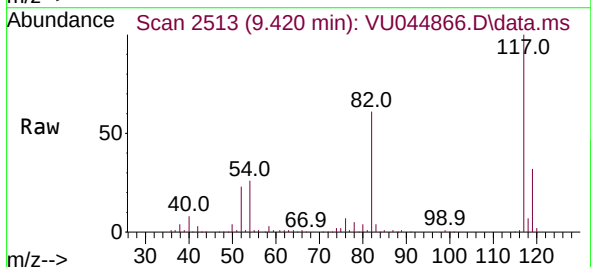
Instrument :
MSVOA_U
ClientSampleId :
1030-MW-11

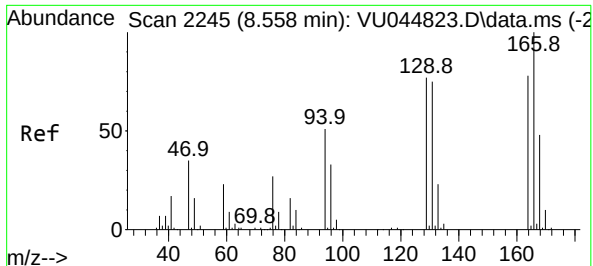
Tgt Ion: 95 Resp: 143042
Ion Ratio Lower Upper
95 100
174 71.4 0.0 146.6
176 68.5 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU044866.D
Acq: 26 Sep 2021 03:30

Tgt Ion: 117 Resp: 301230
Ion Ratio Lower Upper
117 100
82 60.9 47.8 71.8
119 31.8 25.8 38.6

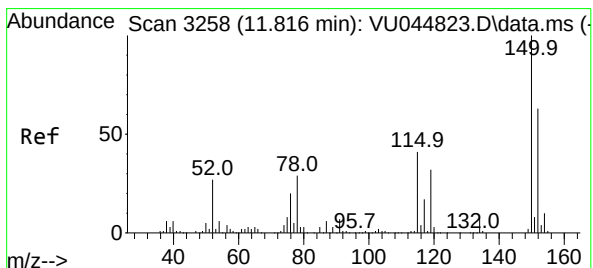
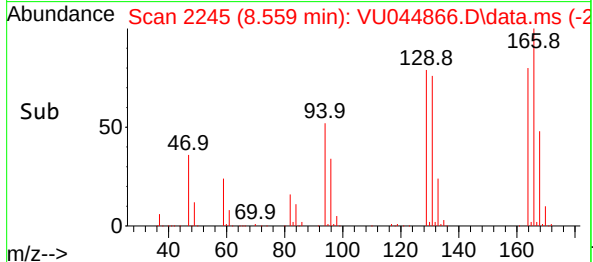
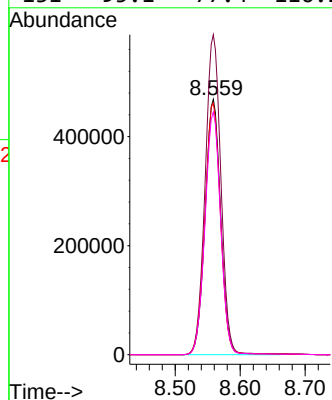
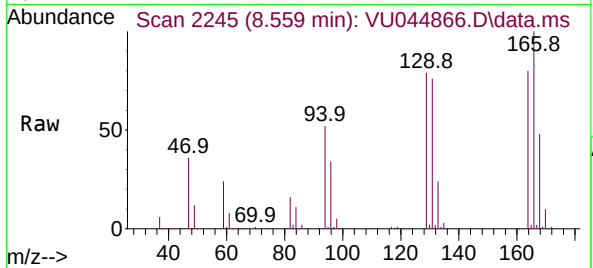




#64
Tetrachloroethene
Concen: 384.865 ug/l
RT: 8.559 min Scan# 2245
Delta R.T. 0.000 min
Lab File: VU044866.D
Acq: 26 Sep 2021 03:30

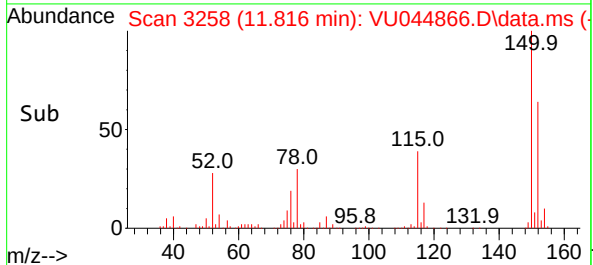
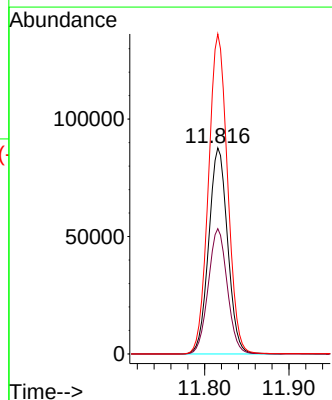
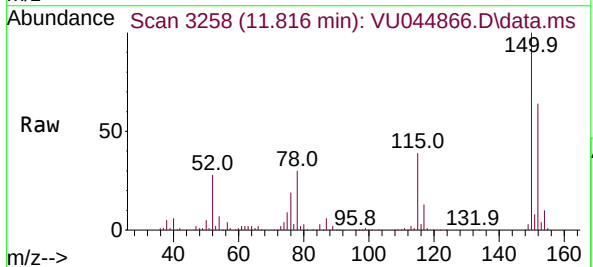
Instrument :
MSVOA_U
ClientSampleId :
1030-MW-11

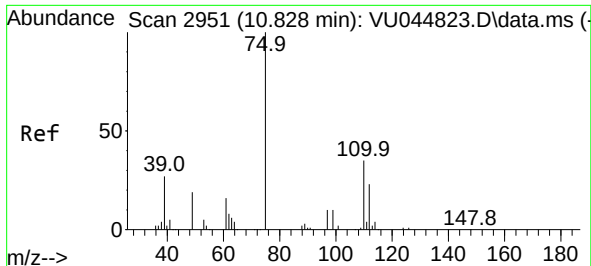
Tgt Ion:164 Resp: 785818
Ion Ratio Lower Upper
164 100
166 125.3 102.8 154.2
129 98.6 79.4 119.2
131 95.1 77.4 116.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.000 min
Lab File: VU044866.D
Acq: 26 Sep 2021 03:30

Tgt Ion:152 Resp: 136939
Ion Ratio Lower Upper
152 100
115 61.1 43.5 130.7
150 156.6 0.0 350.0

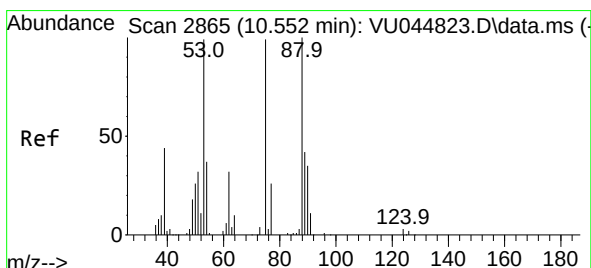
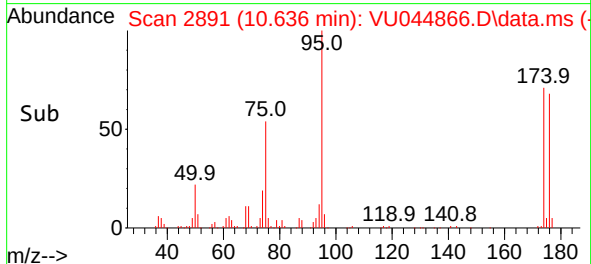
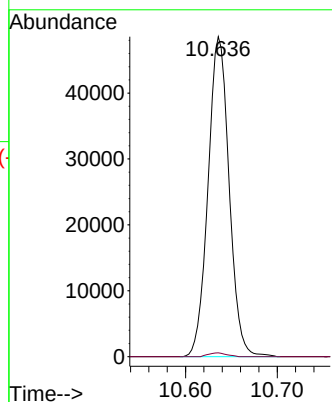
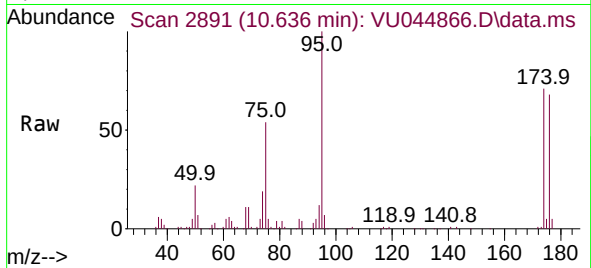




#76
1,2,3-Trichloropropane
Concen: 18.735 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU044866.D
Acq: 26 Sep 2021 03:30

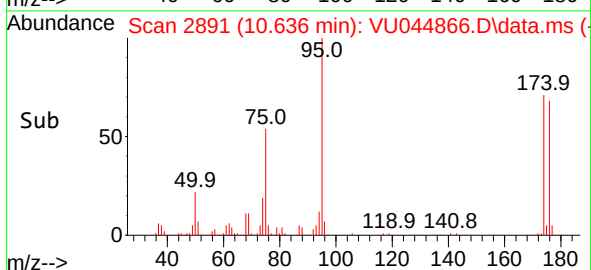
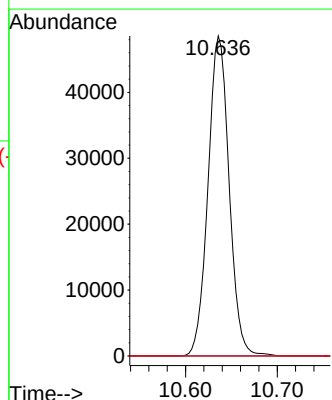
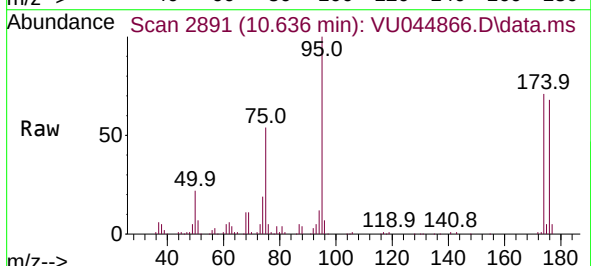
Instrument :
MSVOA_U
ClientSampleId :
1030-MW-11

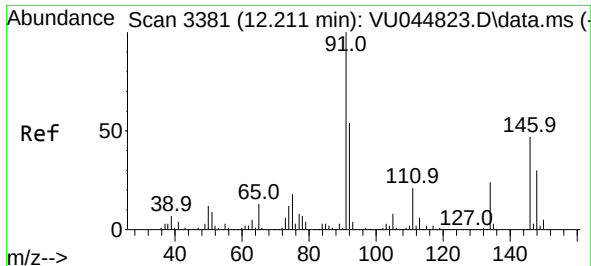
Tgt Ion: 75 Resp: 77689
Ion Ratio Lower Upper
75 100
77 1.0 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.691 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU044866.D
Acq: 26 Sep 2021 03:30

Tgt Ion: 75 Resp: 77689
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

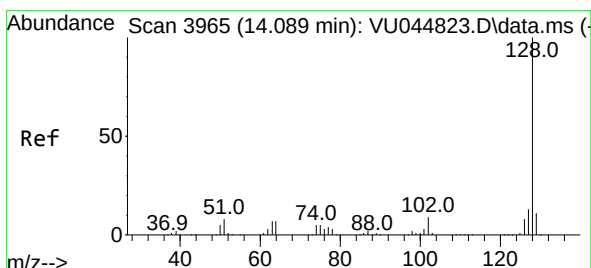
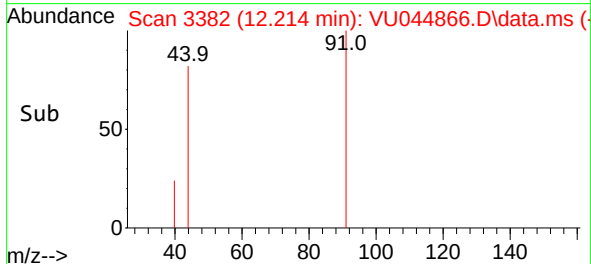
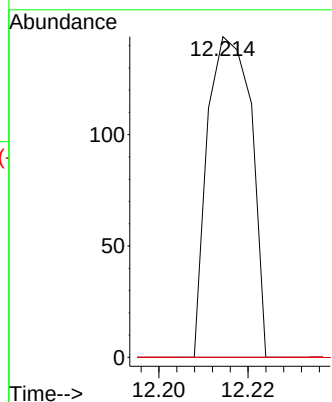
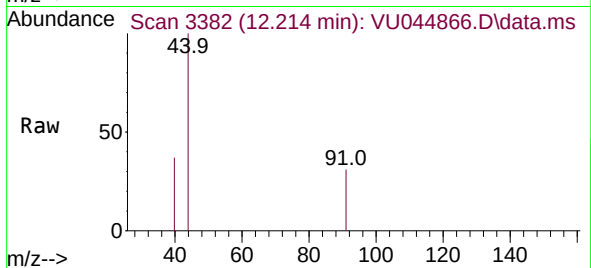




#89
n-Butylbenzene
Concen: 1.287 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU044866.D
Acq: 26 Sep 2021 03:30

Instrument :
MSVOA_U
ClientSampleId :
1030-MW-11

Tgt Ion: 91 Resp: 98
Ion Ratio Lower Upper
91 100
92 0.0 26.8 80.4#
134 0.0 11.8 35.4#



#95
Naphthalene
Concen: 1.015 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.006 min
Lab File: VU044866.D
Acq: 26 Sep 2021 03:30

Tgt Ion: 128 Resp: 773
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 13.0#

