

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092521\
 Data File : VU044865.D
 Acq On : 26 Sep 2021 03:07
 Operator : SY/MD
 Sample : M3859-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 1031-MW-17A

Quant Time: Sep 27 03:14:47 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)

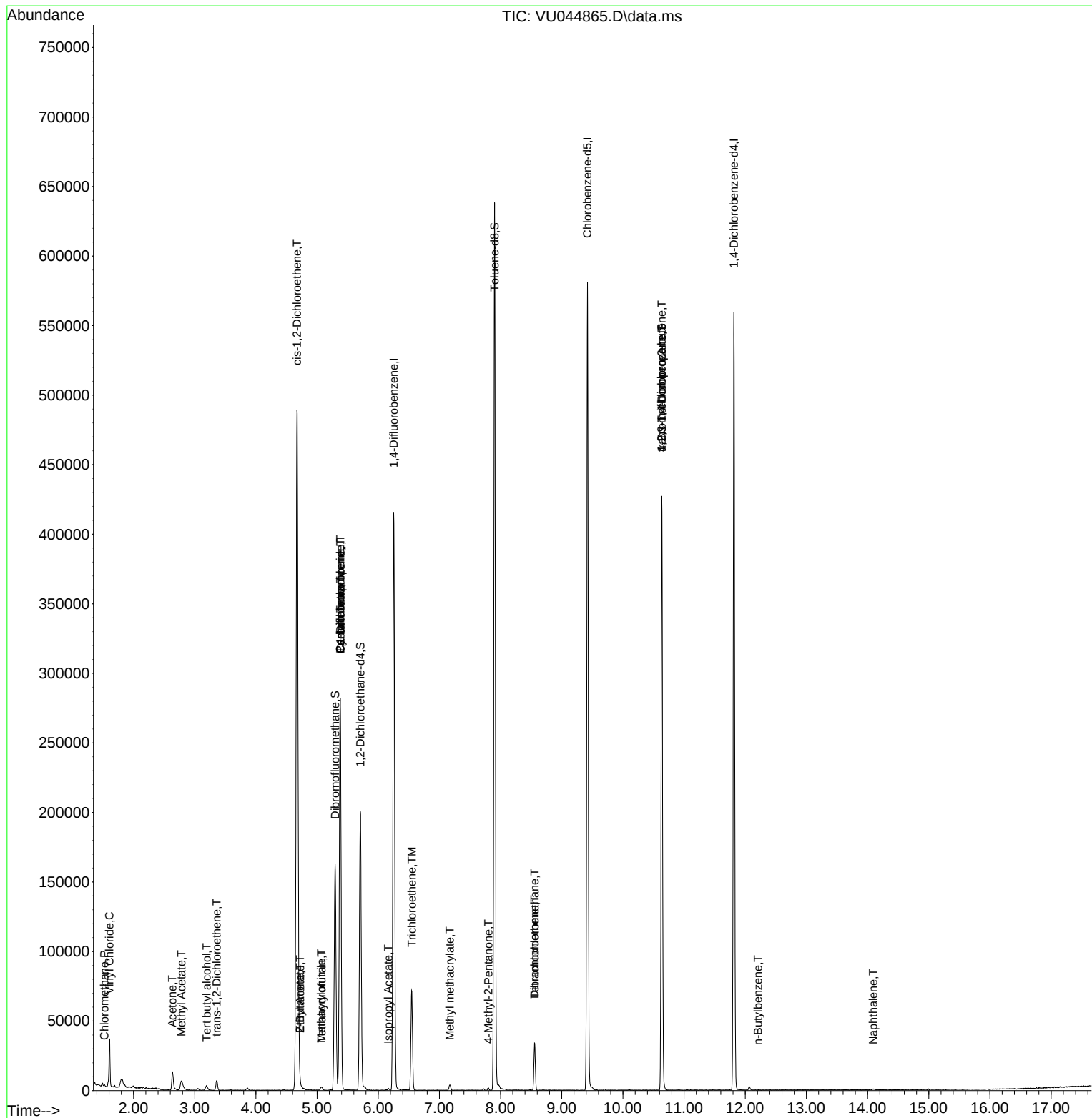
Internal Standards						
1) Pentafluorobenzene	5.378	168	181870	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	320413	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	296647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	133611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	151850	47.840	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.680%	
35) Dibromofluoromethane	5.295	113	103485	47.080	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.160%	
50) Toluene-d8	7.902	98	405737	48.874	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.740%	
62) 4-Bromofluorobenzene	10.635	95	139511	45.245	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.500%	
Target Compounds						Qvalue
3) Chloromethane	1.523	50	969	0.293	ug/l #	87
4) Vinyl Chloride	1.607	62	20887	6.770	ug/l	98
5) Bromomethane	1.858	94	663	Below Cal	#	72
6) Chloroethane	1.935	64	626	Below Cal	#	42
11) Tert butyl alcohol	3.195	59	3078	3.322	ug/l #	72
16) Acetone	2.636	43	17211	9.613	ug/l	95
18) Methyl Acetate	2.780	43	3490	0.583	ug/l #	52
21) trans-1,2-Dichloroethene	3.359	96	2721	1.161	ug/l	95
25) 2-Butanone	4.723	43	3030	1.115	ug/l	95
27) cis-1,2-Dichloroethene	4.671	96	246862	86.572	ug/l	89
29) Tetrahydrofuran	5.073	42	1743	1.020	ug/l	90
31) Cyclohexane	5.378	56	5246	1.151	ug/l #	22
36) 1,1-Dichloropropene	5.378	75	17408	5.121	ug/l #	50
37) Ethyl Acetate	4.723	43	3030	0.607	ug/l #	69
38) Carbon Tetrachloride	5.378	117	19058	6.271	ug/l #	16
41) Methacrylonitrile	5.070	41	1123	0.451	ug/l #	45
43) Isopropyl Acetate	6.163	43	1689	0.242	ug/l #	61
44) Trichloroethene	6.549	130	22626	9.083	ug/l	100
48) Methyl methacrylate	7.169	41	1563	0.475	ug/l #	37
51) 4-Methyl-2-Pentanone	7.803	43	1260	0.253	ug/l #	86
60) Dibromochloromethane	8.555	129	6802	2.681	ug/l #	10
64) Tetrachloroethene	8.558	164	7288	3.625	ug/l	92
76) 1,2,3-Trichloropropane	10.635	75	76567	18.924	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.635	75	76567	61.304	ug/l #	9
89) n-Butylbenzene	12.208	91	40	1.280	ug/l #	33
95) Naphthalene	14.092	128	1053	1.044	ug/l #	69

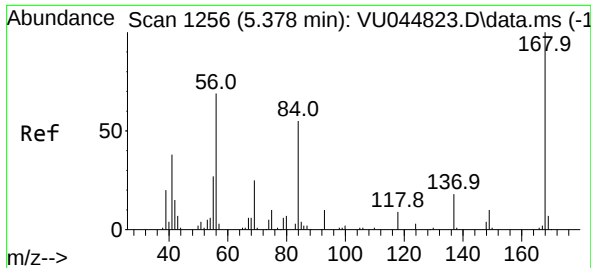
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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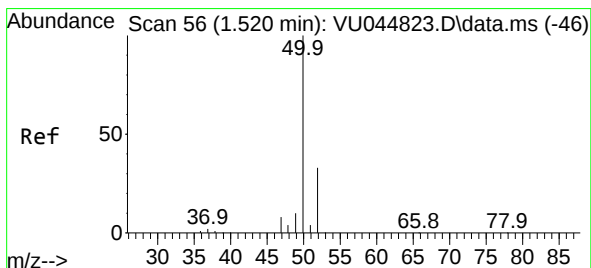
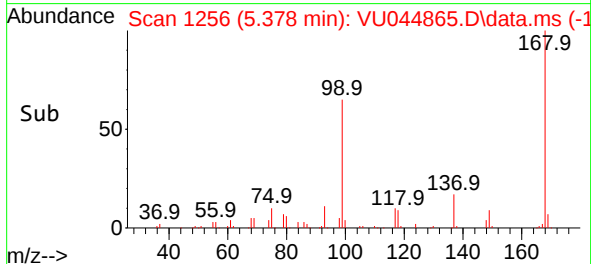
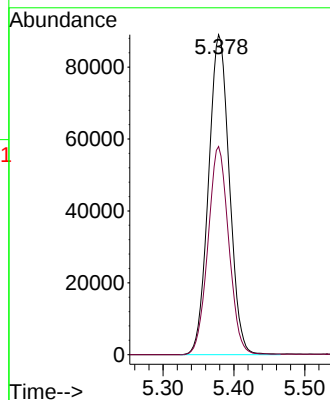
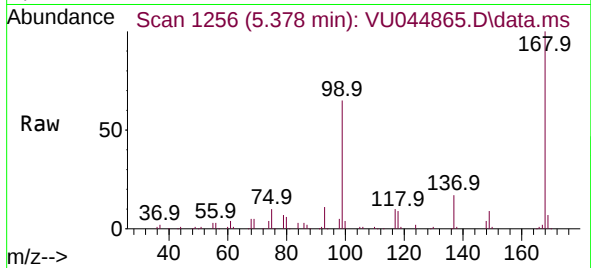




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. 0.000 min
Lab File: VU044865.D
Acq: 26 Sep 2021 03:07

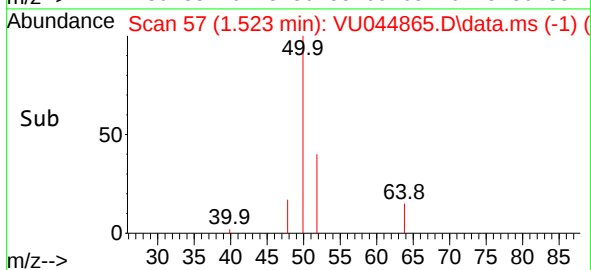
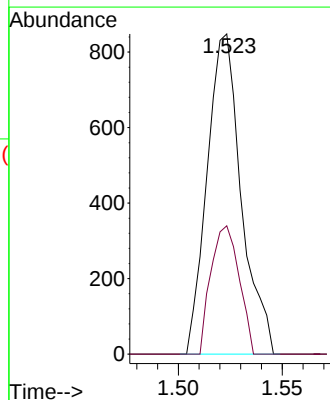
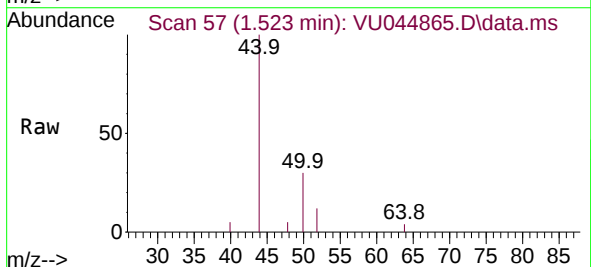
Instrument :
MSVOA_U
ClientSampleId :
1031-MW-17A

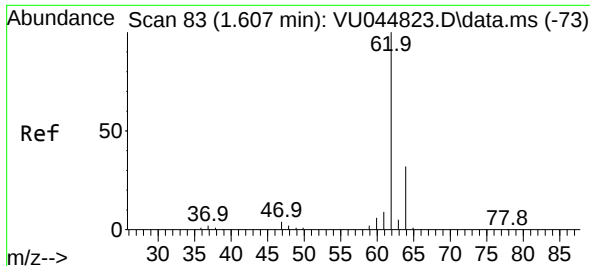
Tgt Ion:168 Resp: 181870
Ion Ratio Lower Upper
168 100
99 65.1 51.4 77.0



#3
Chloromethane
Concen: 0.293 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU044865.D
Acq: 26 Sep 2021 03:07

Tgt Ion: 50 Resp: 969
Ion Ratio Lower Upper
50 100
52 40.1 26.3 39.5#

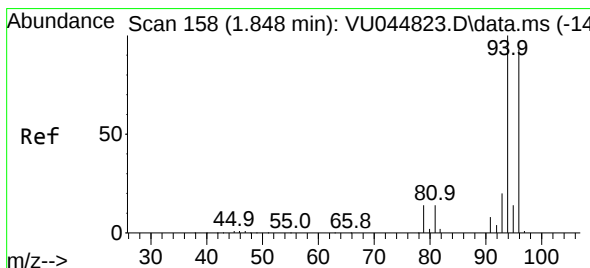
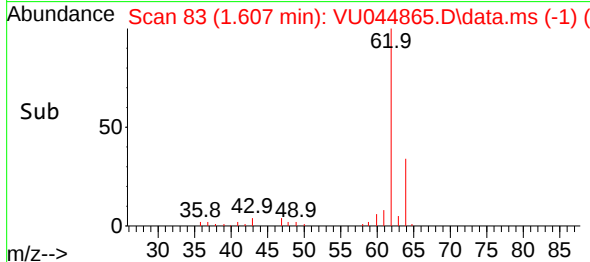
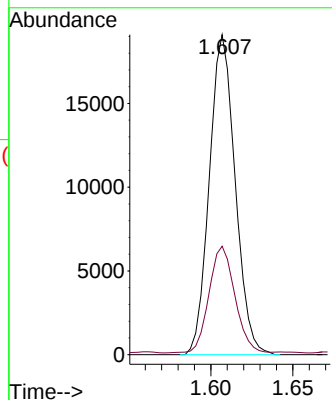
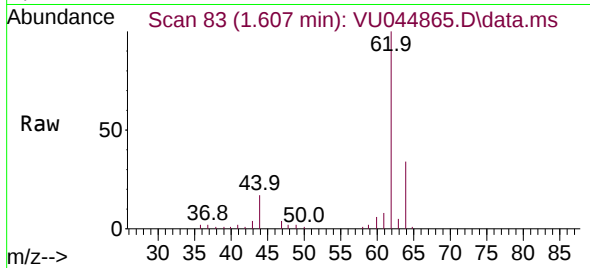




#4
 Vinyl Chloride
 Concen: 6.770 ug/l
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU044865.D
 Acq: 26 Sep 2021 03:07

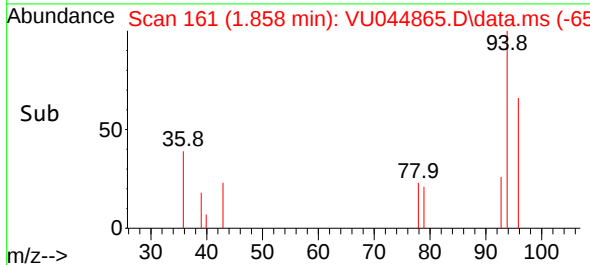
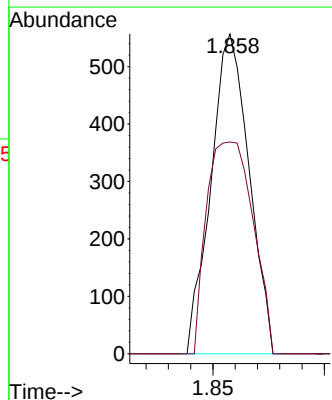
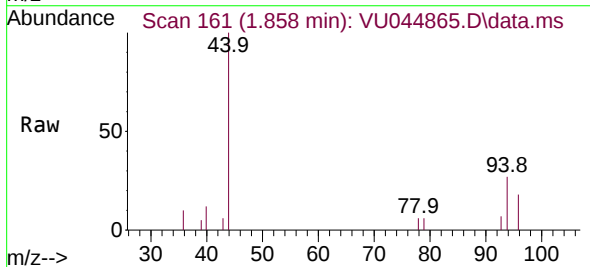
Instrument :
 MSVOA_U
 ClientSampleId :
 1031-MW-17A

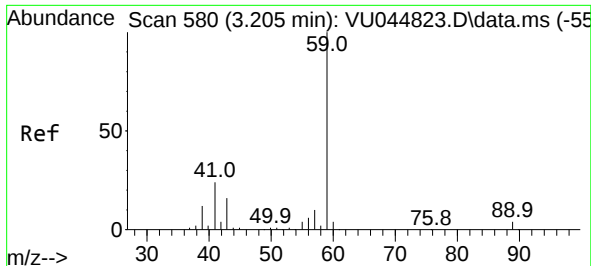
Tgt Ion: 62 Resp: 20887
 Ion Ratio Lower Upper
 62 100
 64 33.1 25.6 38.4



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.858 min Scan# 161
 Delta R.T. 0.010 min
 Lab File: VU044865.D
 Acq: 26 Sep 2021 03:07

Tgt Ion: 94 Resp: 663
 Ion Ratio Lower Upper
 94 100
 96 66.2 74.5 111.7#



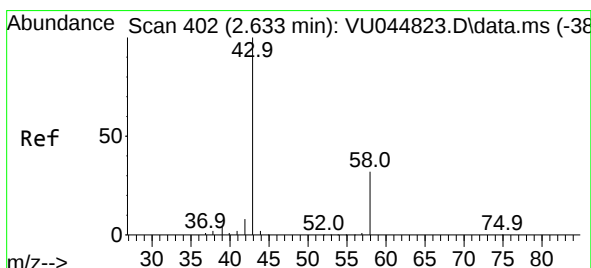
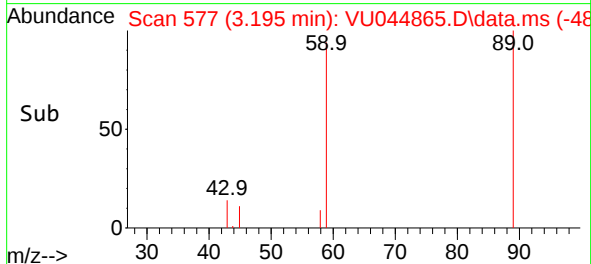
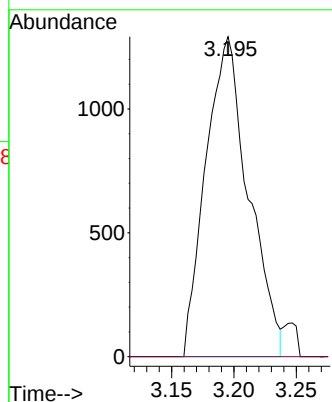
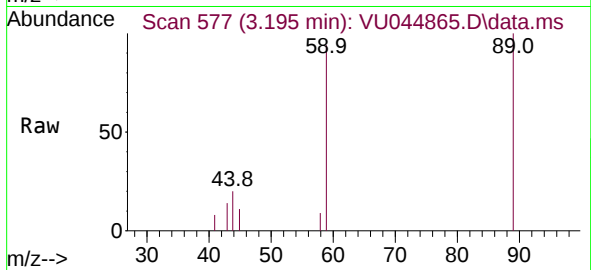


#11

Tert butyl alcohol
Concen: 3.322 ug/l
RT: 3.195 min Scan# 577
Delta R.T. -0.010 min
Lab File: VU044865.D
Acq: 26 Sep 2021 03:07

Instrument :
MSVOA_U
ClientSampleId :
1031-MW-17A

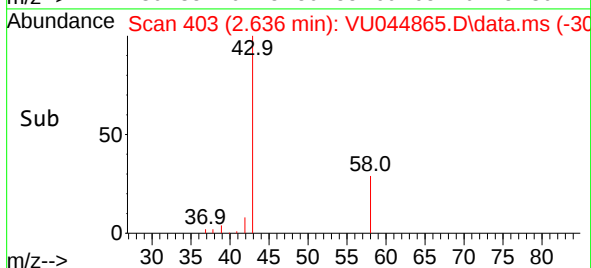
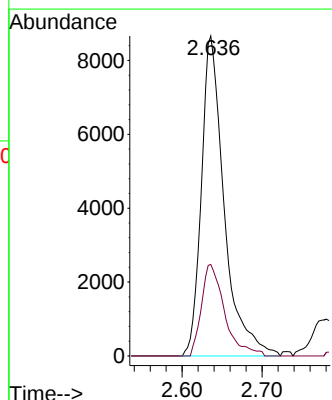
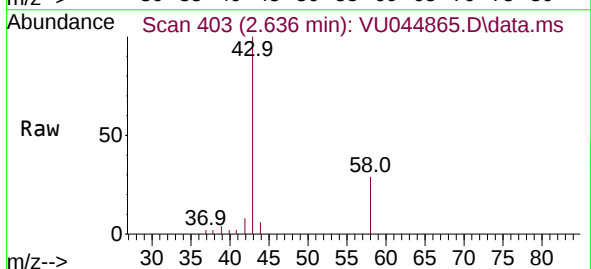
Tgt Ion: 59 Resp: 3078
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

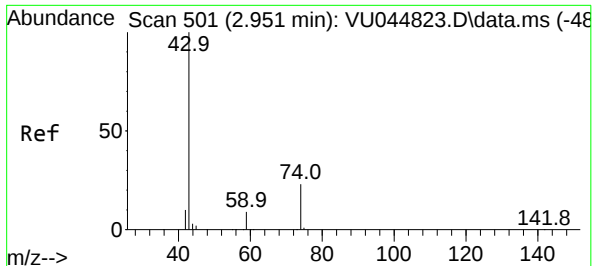


#16

Acetone
Concen: 9.613 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.003 min
Lab File: VU044865.D
Acq: 26 Sep 2021 03:07

Tgt Ion: 43 Resp: 17211
Ion Ratio Lower Upper
43 100
58 28.6 25.2 37.8





#18

Methyl Acetate

Concen: 0.583 ug/l

RT: 2.780 min Scan# 448

Delta R.T. -0.170 min

Lab File: VU044865.D

Acq: 26 Sep 2021 03:07

Instrument :

MSVOA_U

ClientSampleId :

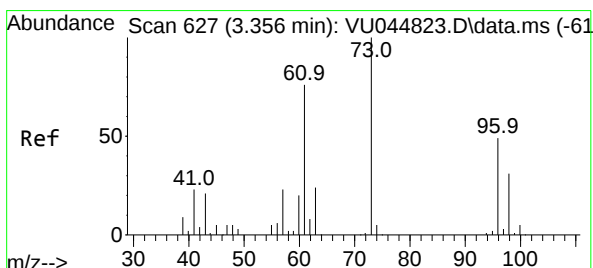
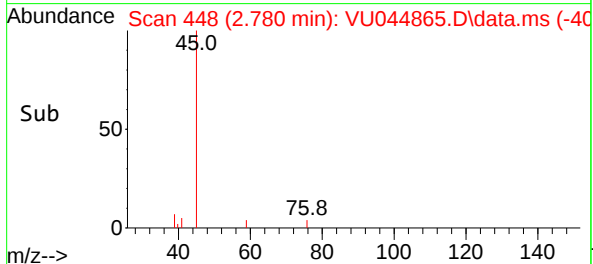
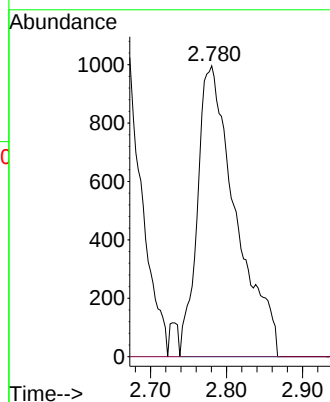
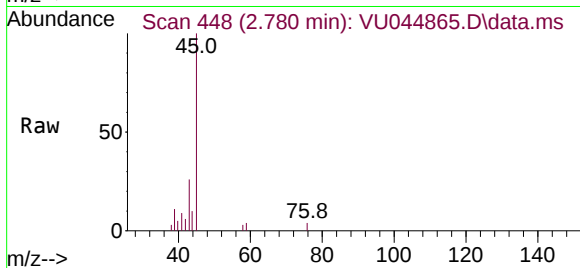
1031-MW-17A

Tgt Ion: 43 Resp: 3490

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.6#



#21

trans-1,2-Dichloroethene

Concen: 1.161 ug/l

RT: 3.359 min Scan# 628

Delta R.T. 0.003 min

Lab File: VU044865.D

Acq: 26 Sep 2021 03:07

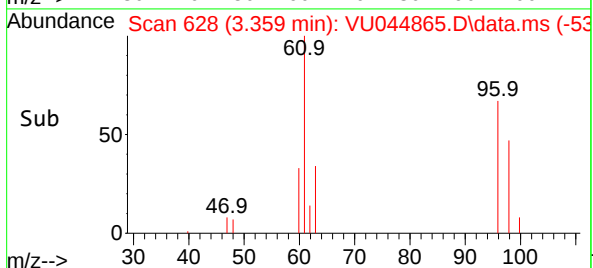
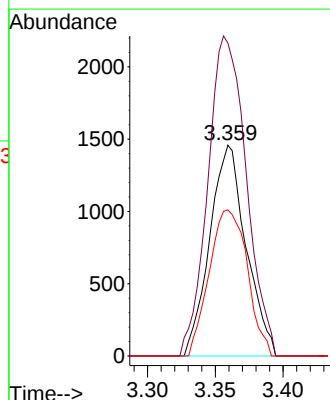
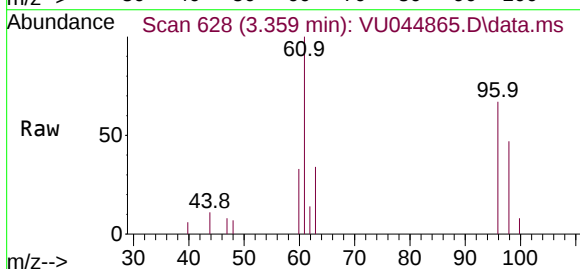
Tgt Ion: 96 Resp: 2721

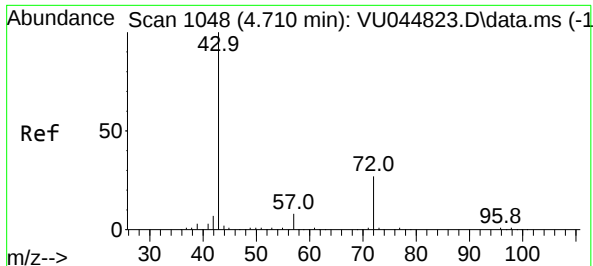
Ion Ratio Lower Upper

96 100

61 148.5 123.2 184.8

98 69.3 51.0 76.6





#25

2-Butanone

Concen: 1.115 ug/l

RT: 4.723 min Scan# 1052

Delta R.T. 0.013 min

Lab File: VU044865.D

Acq: 26 Sep 2021 03:07

Tgt Ion: 43 Resp: 3030

Ion Ratio Lower Upper

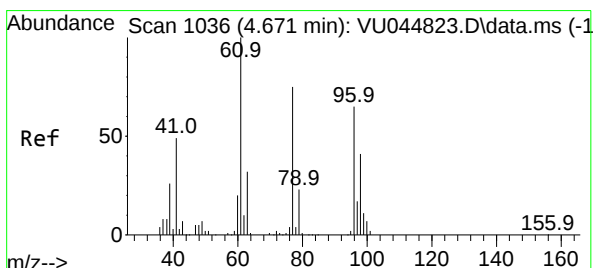
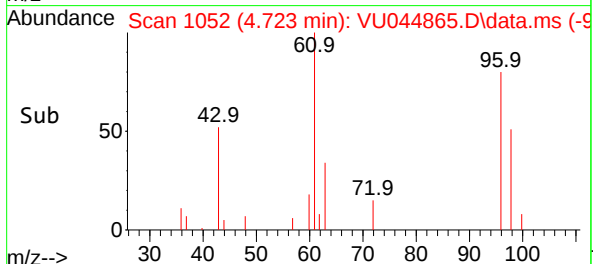
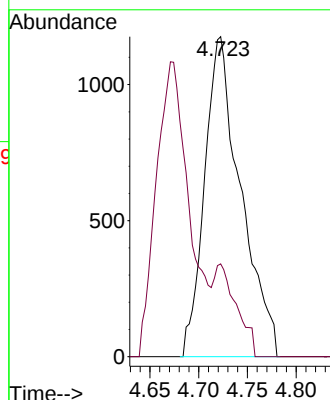
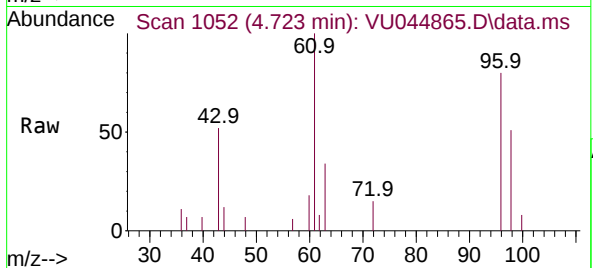
Ion	Ratio	Lower	Upper
43	100		
72	29.0	21.3	31.9

Instrument :

MSVOA_U

ClientSampleId :

1031-MW-17A



#27

cis-1,2-Dichloroethene

Concen: 86.572 ug/l

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

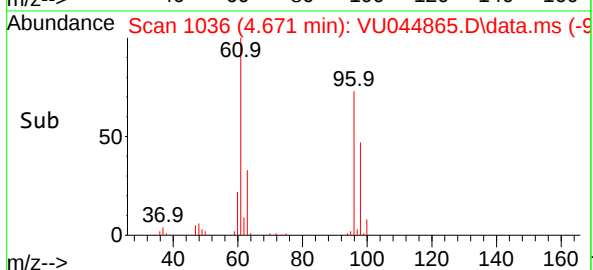
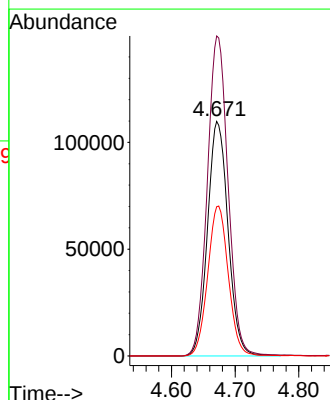
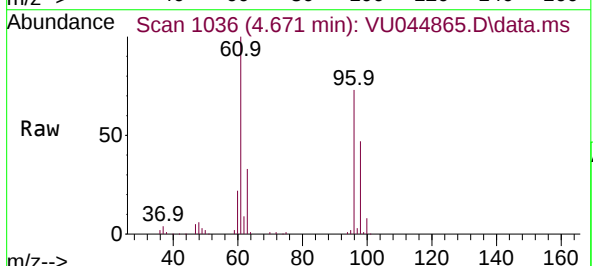
Lab File: VU044865.D

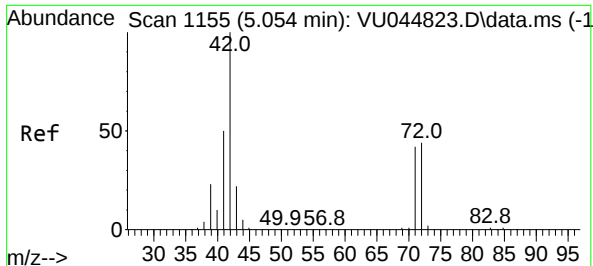
Acq: 26 Sep 2021 03:07

Tgt Ion: 96 Resp: 246862

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
96	100		
61	137.4	0.0	313.4
98	63.8	0.0	127.0





#29

Tetrahydrofuran

Concen: 1.020 ug/l

RT: 5.073 min Scan# 1161

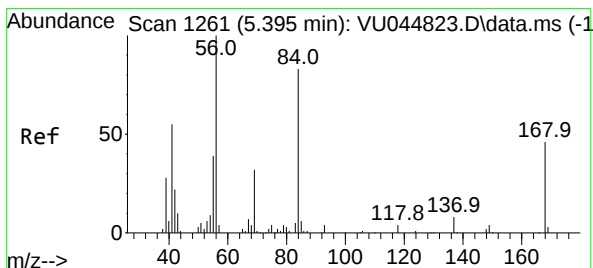
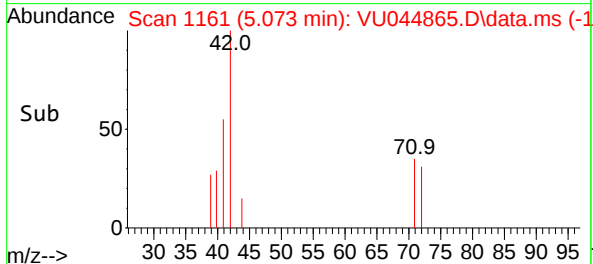
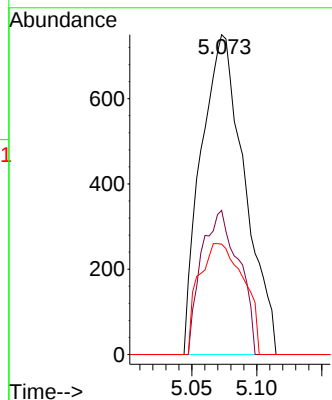
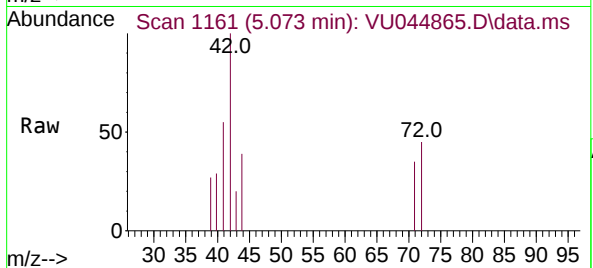
Delta R.T. 0.019 min

Lab File: VU044865.D

Acq: 26 Sep 2021 03:07

Tgt Ion: 42 Resp: 1743

Ion	Ratio	Lower	Upper
42	100		
72	38.7	36.2	54.4
71	35.6	34.1	51.1



#31

Cyclohexane

Concen: 1.151 ug/l

RT: 5.378 min Scan# 1256

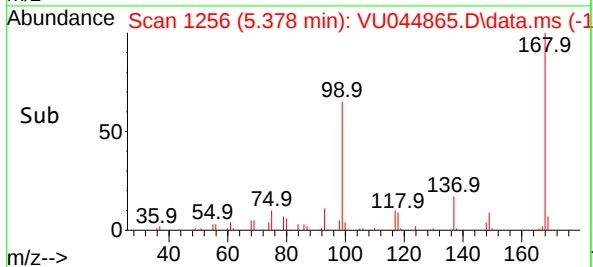
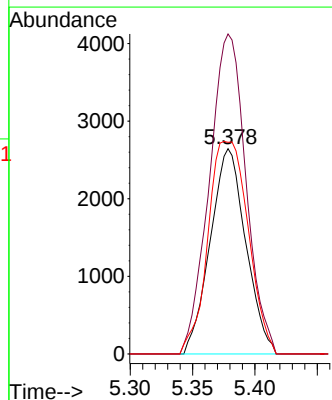
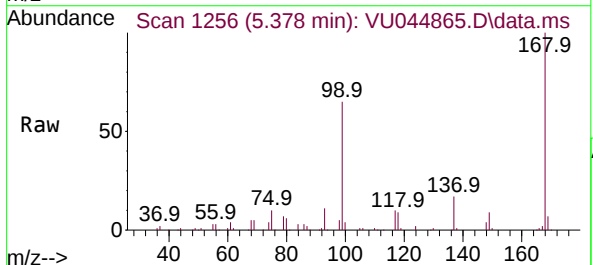
Delta R.T. -0.016 min

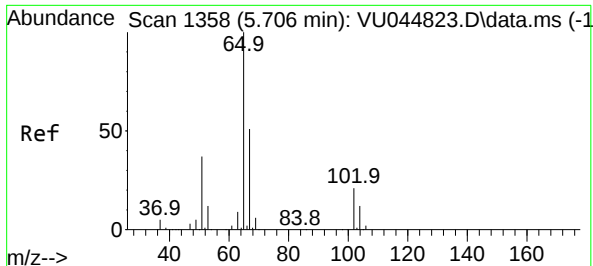
Lab File: VU044865.D

Acq: 26 Sep 2021 03:07

Tgt Ion: 56 Resp: 5246

Ion	Ratio	Lower	Upper
56	100		
69	155.9	25.2	37.8#
84	103.1	66.4	99.6#



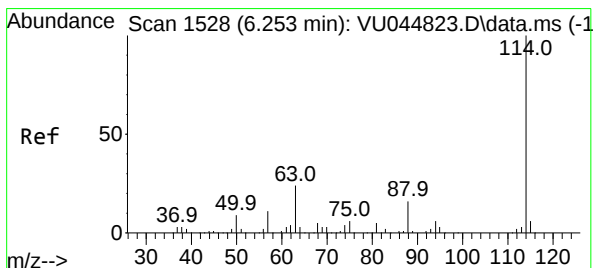
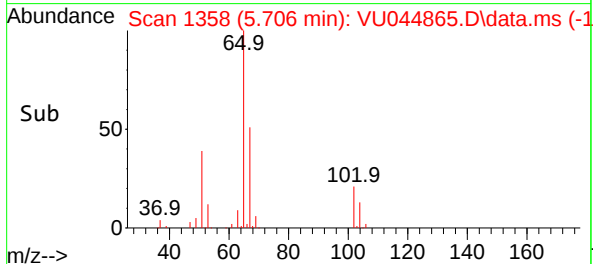
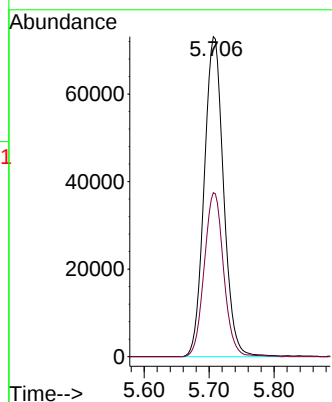
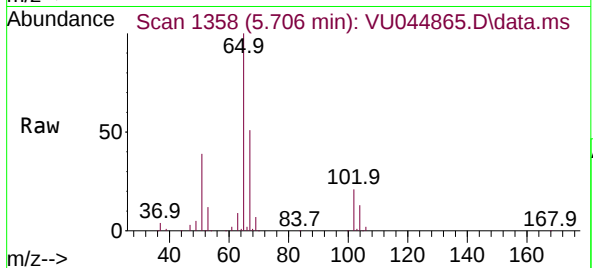


#33

1,2-Dichloroethane-d4
Concen: 47.840 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VU044865.D
Acq: 26 Sep 2021 03:07

Instrument :
MSVOA_U
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1031-MW-17A

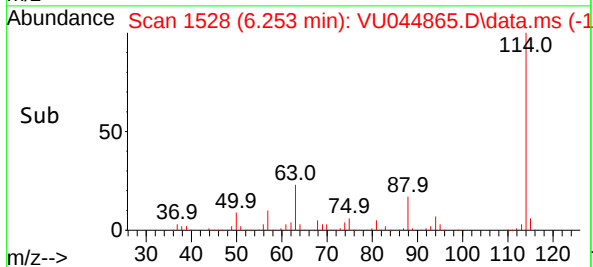
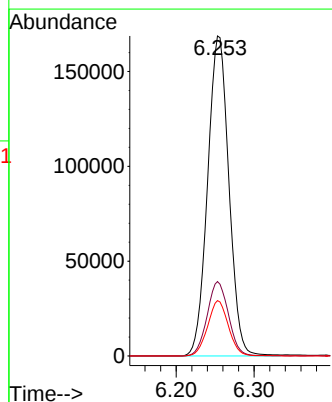
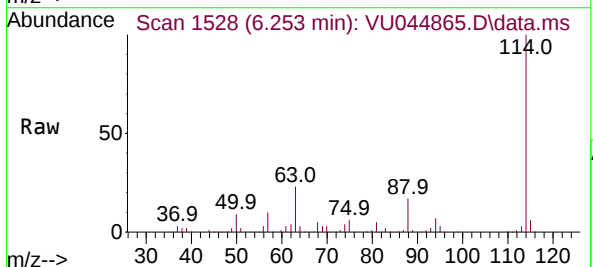
Tgt Ion: 65 Resp: 151850
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.8

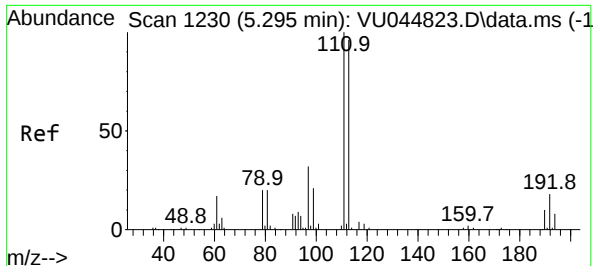


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. -0.000 min
Lab File: VU044865.D
Acq: 26 Sep 2021 03:07

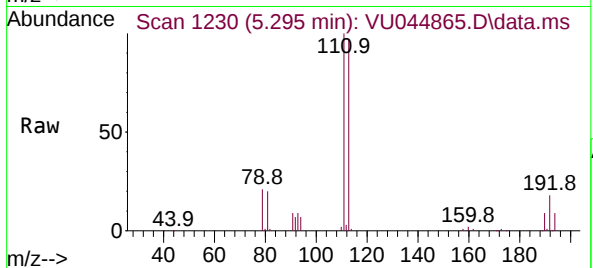
Tgt Ion: 114 Resp: 320413
Ion Ratio Lower Upper
114 100
63 23.2 0.0 47.8
88 17.3 0.0 32.8



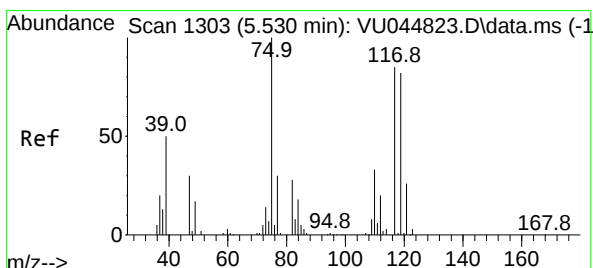
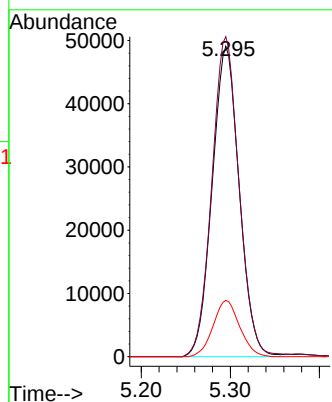
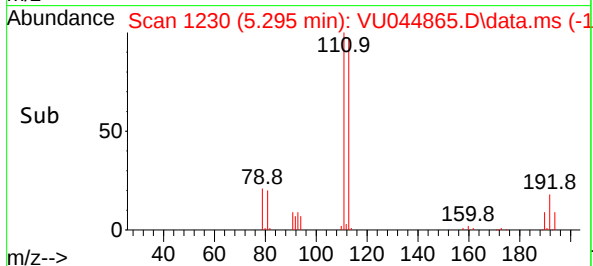


#35
Dibromofluoromethane
Concen: 47.080 ug/l
RT: 5.295 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VU044865.D
Acq: 26 Sep 2021 03:07

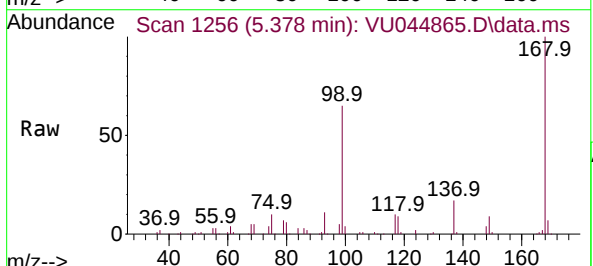
Instrument :
MSVOA_U
ClientSampleId :
1031-MW-17A



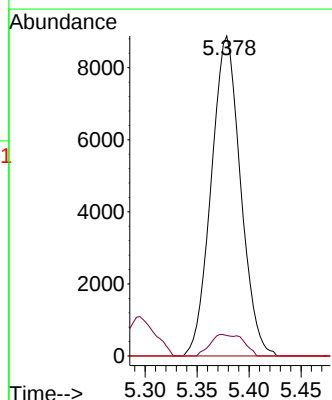
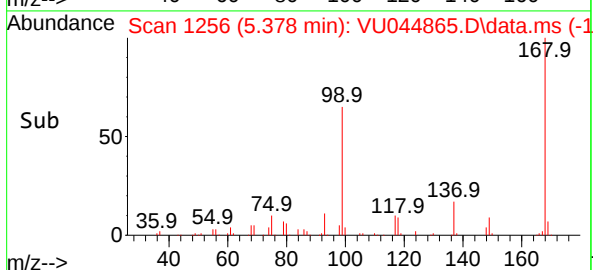
Tgt Ion:113 Resp: 103485
Ion Ratio Lower Upper
113 100
111 103.7 84.1 126.1
192 17.9 14.8 22.2

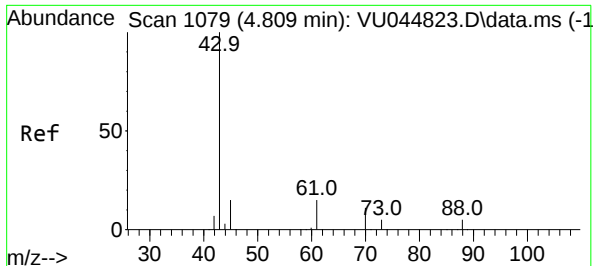


#36
1,1-Dichloropropene
Concen: 5.121 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU044865.D
Acq: 26 Sep 2021 03:07



Tgt Ion: 75 Resp: 17408
Ion Ratio Lower Upper
75 100
110 7.5 16.3 48.9#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.607 ug/l

RT: 4.723 min Scan# 1052

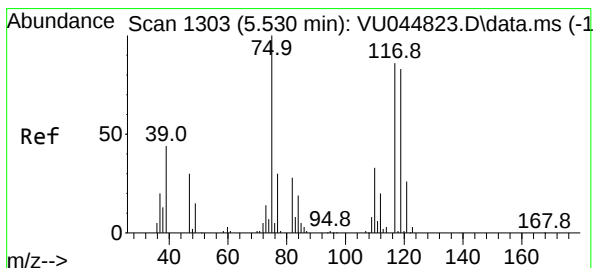
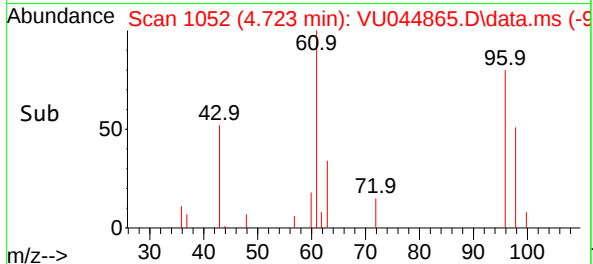
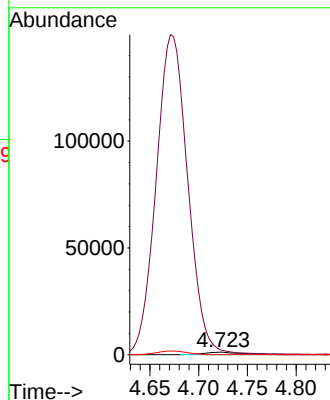
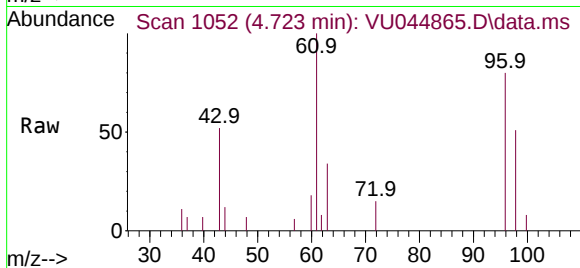
Delta R.T. -0.087 min

Lab File: VU044865.D

Acq: 26 Sep 2021 03:07

Tgt Ion:	43	Resp:	3030
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	0.0	8.2	12.4#

Instrument :
MSVOA_U
ClientSampleId :
1031-MW-17A



#38

Carbon Tetrachloride

Concen: 6.271 ug/l

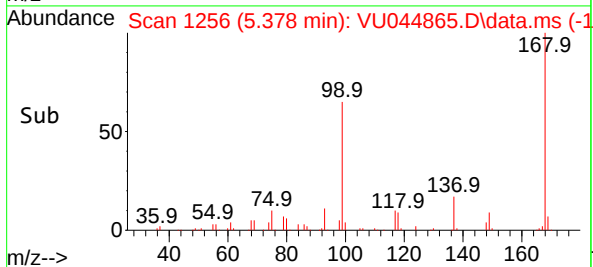
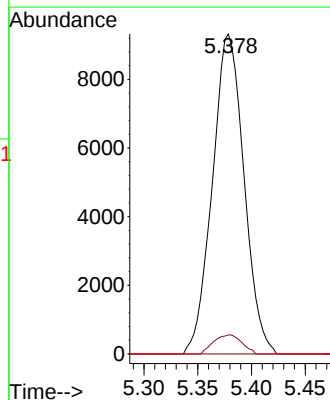
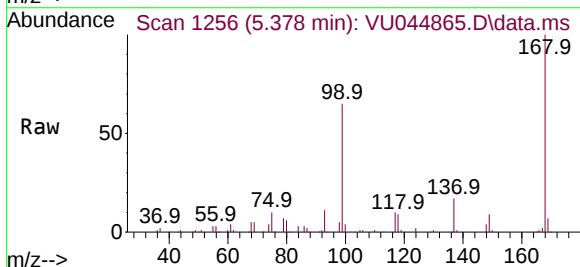
RT: 5.378 min Scan# 1256

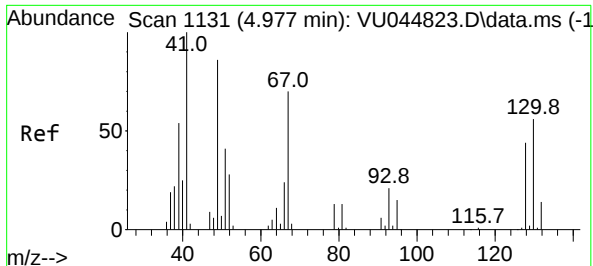
Delta R.T. -0.151 min

Lab File: VU044865.D

Acq: 26 Sep 2021 03:07

Tgt Ion:	117	Resp:	19058
Ion	Ratio	Lower	Upper
117	100		
119	5.9	77.4	116.2#
121	0.0	24.5	36.7#





#41

Methacrylonitrile

Concen: 0.451 ug/l

RT: 5.070 min Scan# 1160

Delta R.T. 0.093 min

Lab File: VU044865.D

Acq: 26 Sep 2021 03:07

Tgt Ion: 41 Resp: 1123

Ion Ratio Lower Upper

41 100

39 45.1 44.4 66.6

67 0.0 58.1 87.1#

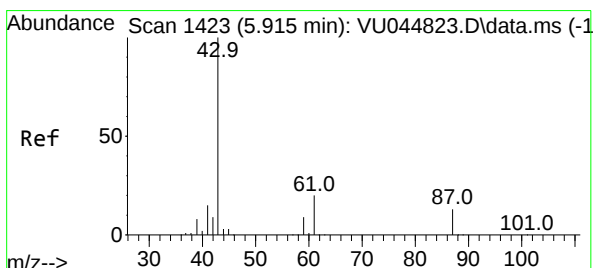
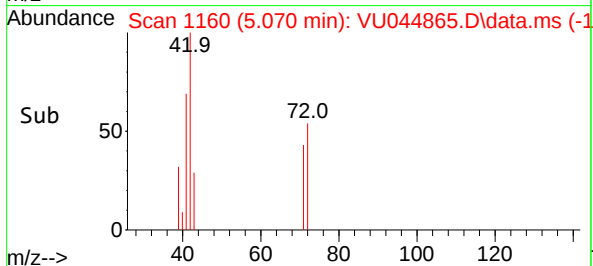
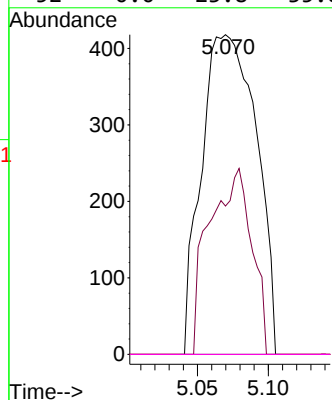
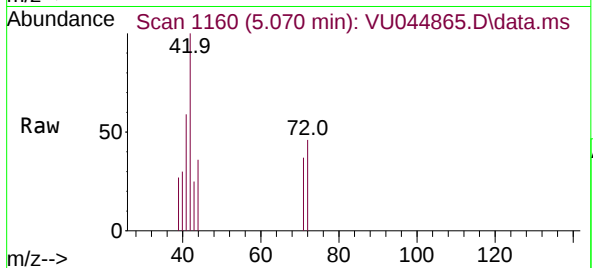
52 0.0 23.8 35.8#

Instrument :

MSVOA_U

ClientSampleId :

1031-MW-17A



#43

Isopropyl Acetate

Concen: 0.242 ug/l

RT: 6.163 min Scan# 1500

Delta R.T. 0.248 min

Lab File: VU044865.D

Acq: 26 Sep 2021 03:07

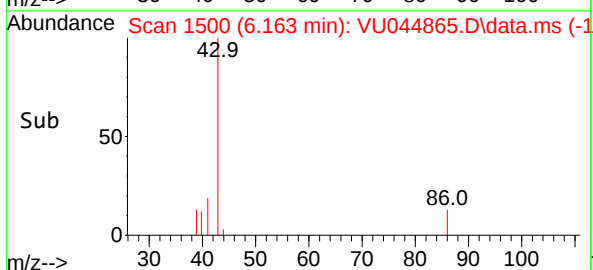
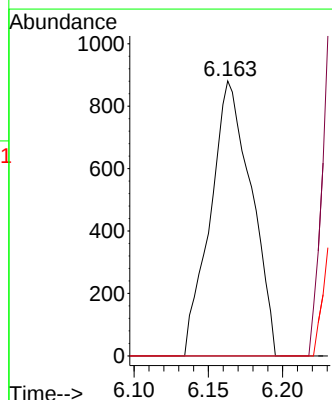
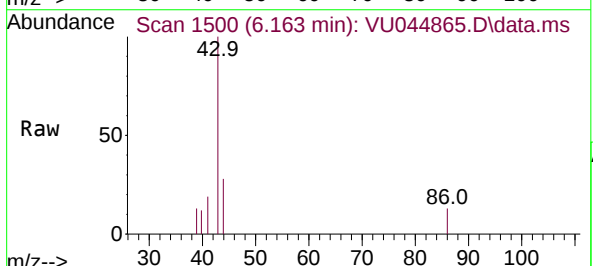
Tgt Ion: 43 Resp: 1689

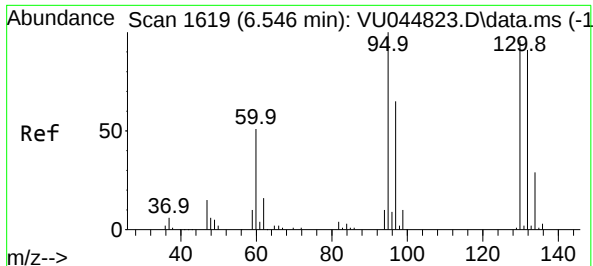
Ion Ratio Lower Upper

43 100

61 0.0 16.1 24.1#

87 0.0 10.3 15.5#

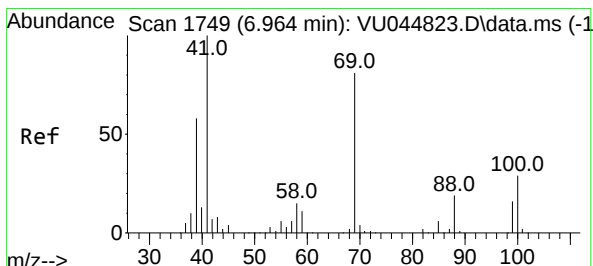
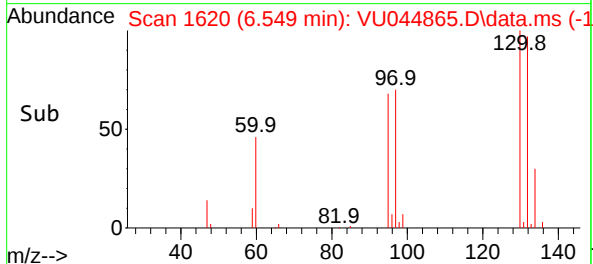
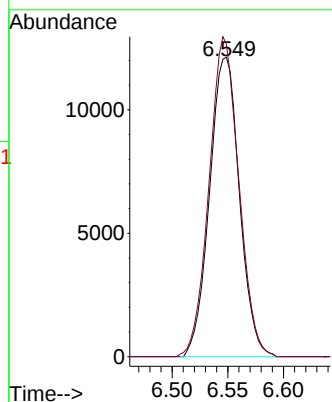
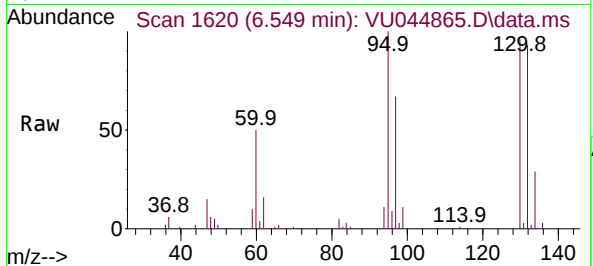




#44
Trichloroethene
Concen: 9.083 ug/l
RT: 6.549 min Scan# 1620
Delta R.T. 0.003 min
Lab File: VU044865.D
Acq: 26 Sep 2021 03:07

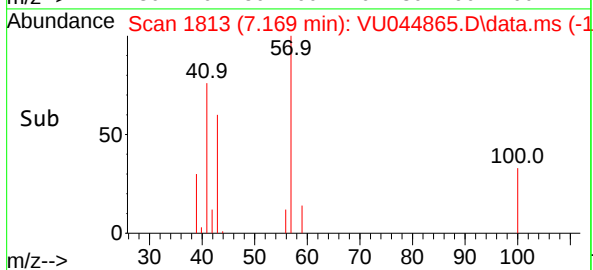
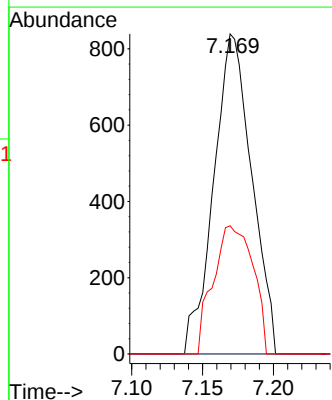
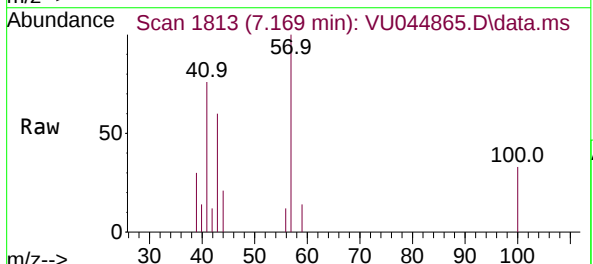
Instrument :
MSVOA_U
ClientSampleId :
1031-MW-17A

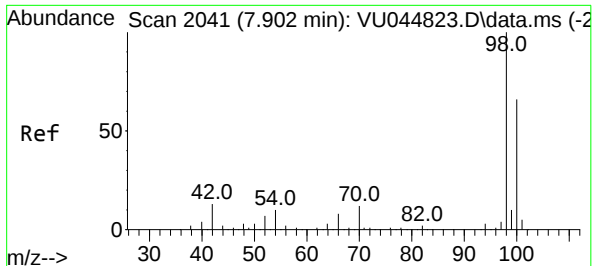
Tgt Ion:130 Resp: 22626
Ion Ratio Lower Upper
130 100
95 104.4 0.0 209.0



#48
Methyl methacrylate
Concen: 0.475 ug/l
RT: 7.169 min Scan# 1813
Delta R.T. 0.206 min
Lab File: VU044865.D
Acq: 26 Sep 2021 03:07

Tgt Ion: 41 Resp: 1563
Ion Ratio Lower Upper
41 100
69 0.0 65.6 98.4#
39 42.0 46.2 69.4#

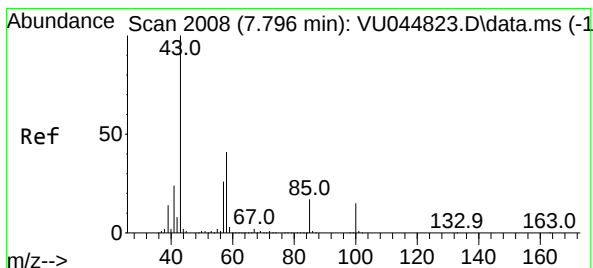
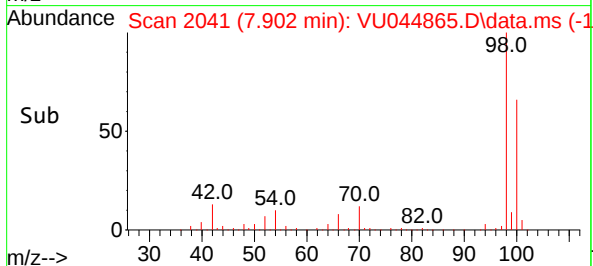
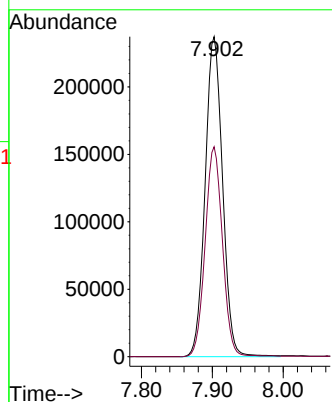
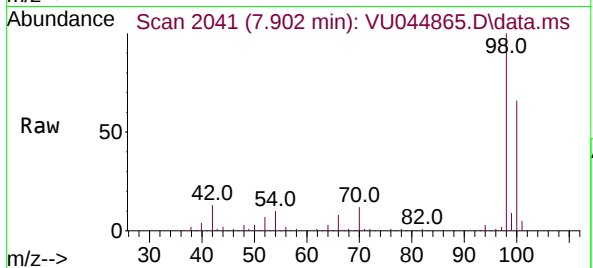




#50
Toluene-d8
Concen: 48.874 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VU044865.D
Acq: 26 Sep 2021 03:07

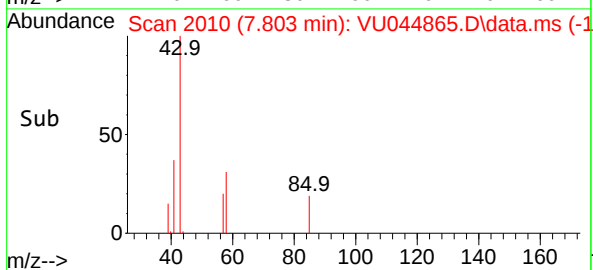
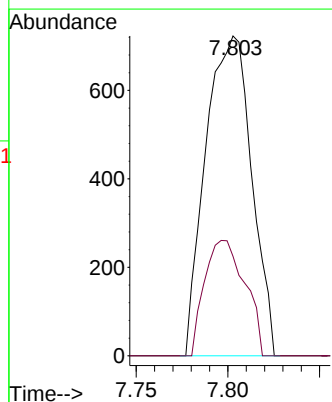
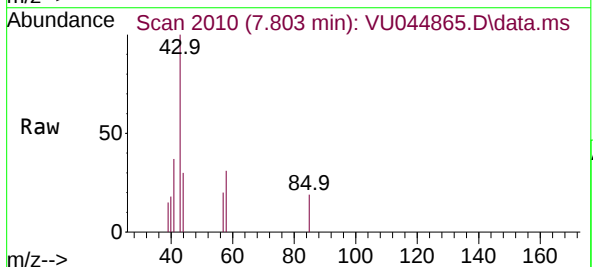
Instrument :
MSVOA_U
ClientSampleId :
1031-MW-17A

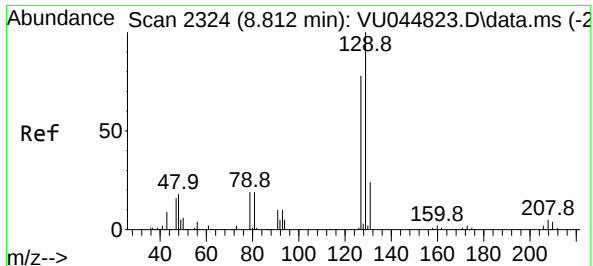
Tgt Ion: 98 Resp: 405737
Ion Ratio Lower Upper
98 100
100 65.0 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.253 ug/l
RT: 7.803 min Scan# 2010
Delta R.T. 0.006 min
Lab File: VU044865.D
Acq: 26 Sep 2021 03:07

Tgt Ion: 43 Resp: 1260
Ion Ratio Lower Upper
43 100
58 31.7 32.4 48.6#

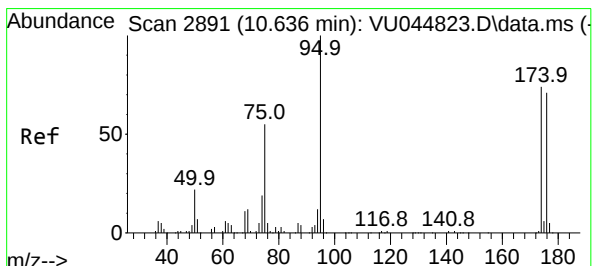
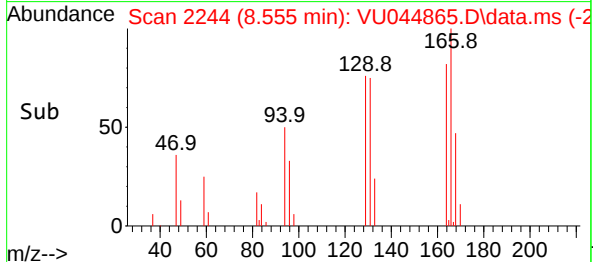
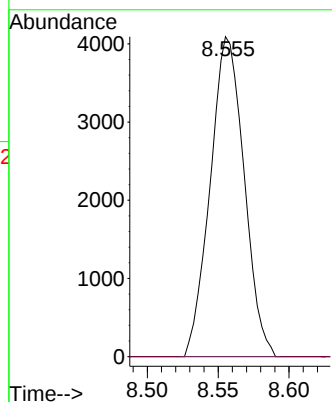
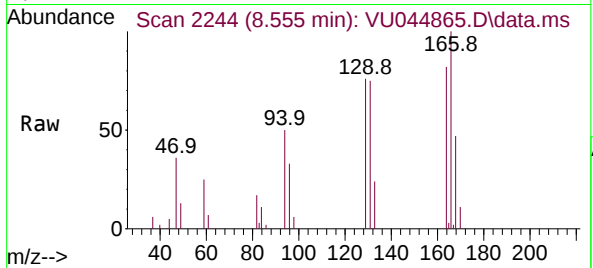




#60
Dibromochloromethane
Concen: 2.681 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU044865.D
Acq: 26 Sep 2021 03:07

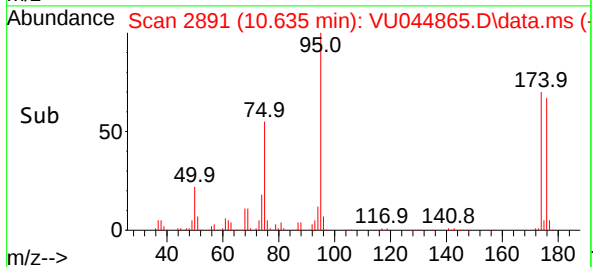
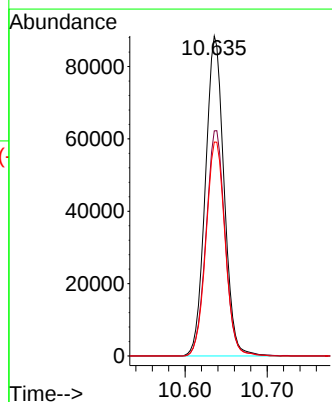
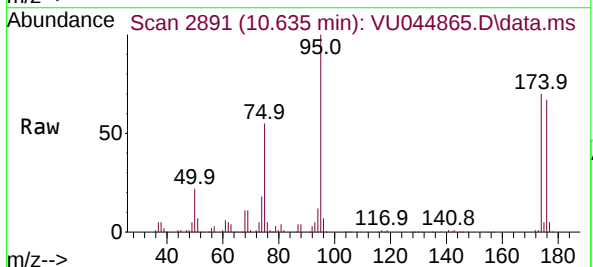
Instrument :
MSVOA_U
ClientSampleId :
1031-MW-17A

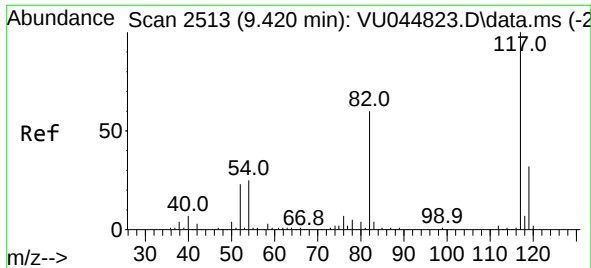
Tgt Ion:129 Resp: 6802
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 45.245 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.000 min
Lab File: VU044865.D
Acq: 26 Sep 2021 03:07

Tgt Ion: 95 Resp: 139511
Ion Ratio Lower Upper
95 100
174 71.7 0.0 146.6
176 68.7 0.0 141.2

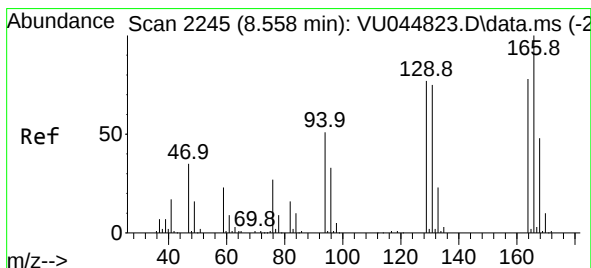
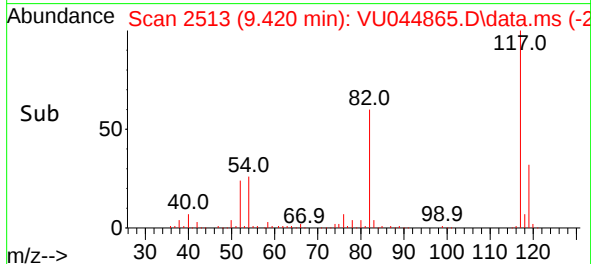
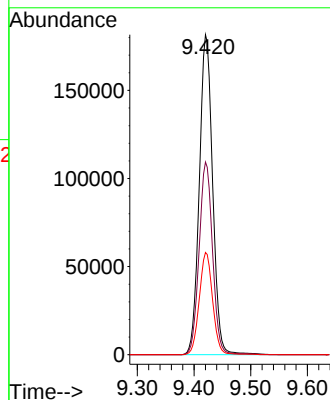
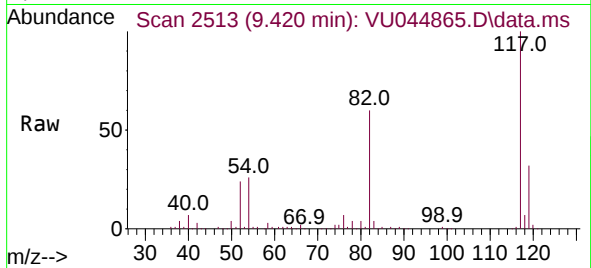




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. -0.000 min
Lab File: VU044865.D
Acq: 26 Sep 2021 03:07

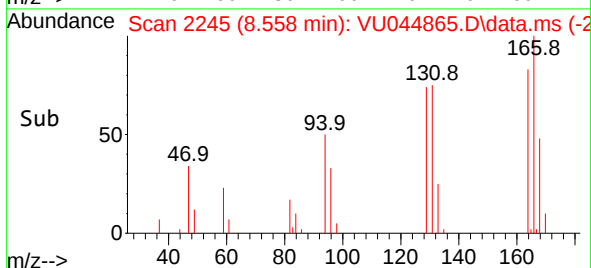
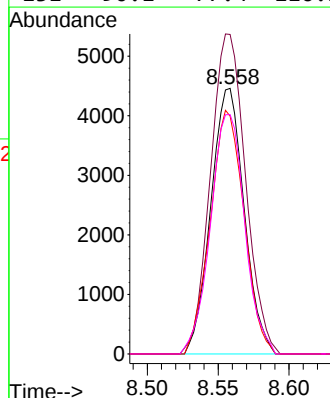
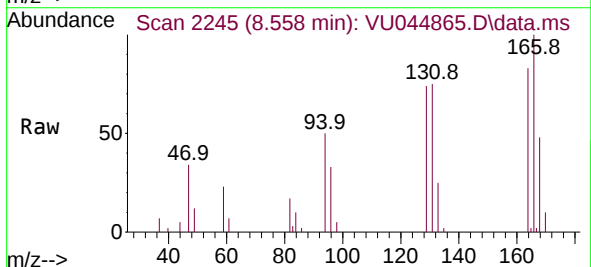
Instrument :
MSVOA_U
ClientSampleId :
1031-MW-17A

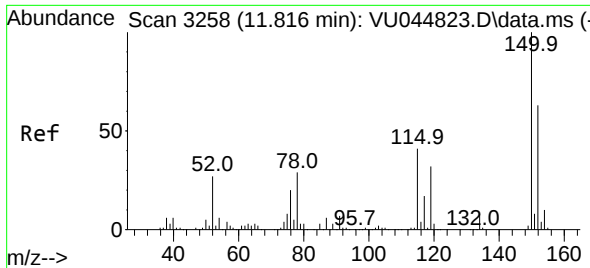
Tgt Ion:117 Resp: 296647
Ion Ratio Lower Upper
117 100
82 60.2 47.8 71.8
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 3.625 ug/l
RT: 8.558 min Scan# 2245
Delta R.T. -0.000 min
Lab File: VU044865.D
Acq: 26 Sep 2021 03:07

Tgt Ion:164 Resp: 7288
Ion Ratio Lower Upper
164 100
166 120.3 102.8 154.2
129 89.6 79.4 119.2
131 90.1 77.4 116.2

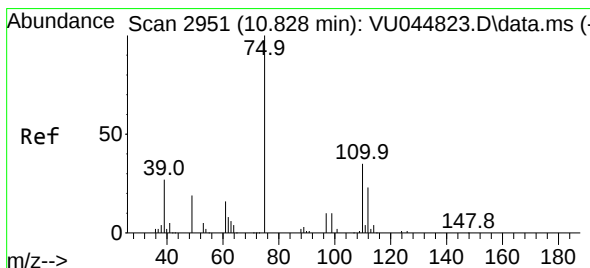
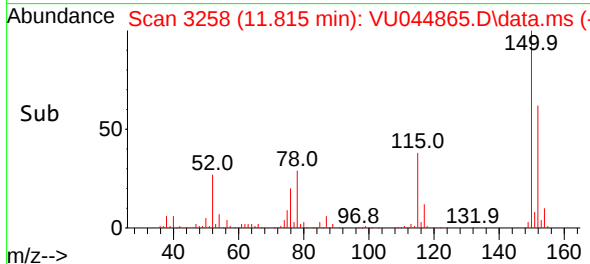
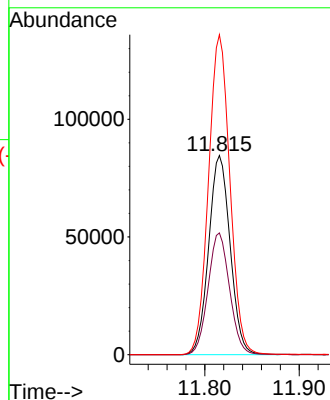
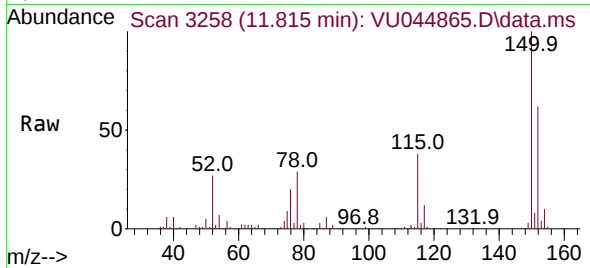




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.815 min Scan# 3258
 Delta R.T. -0.000 min
 Lab File: VU044865.D
 Acq: 26 Sep 2021 03:07

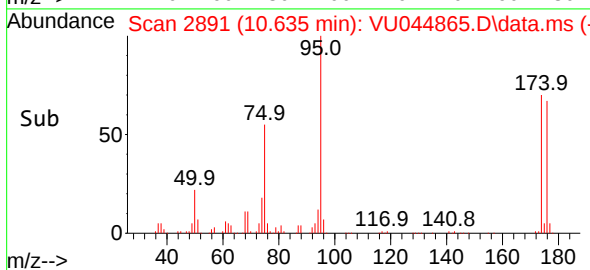
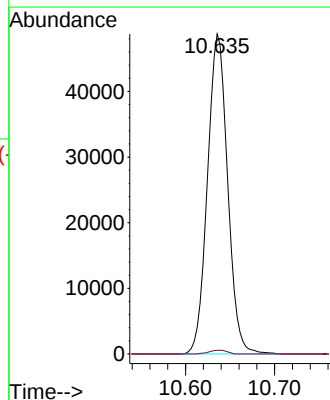
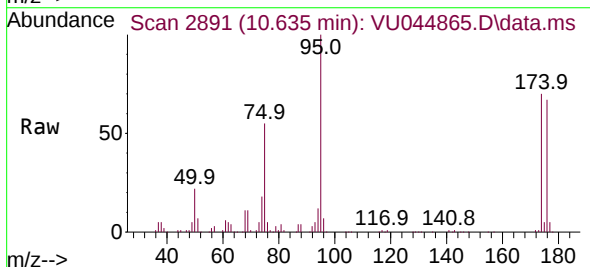
Instrument :
 MSVOA_U
 ClientSampleId :
 1031-MW-17A

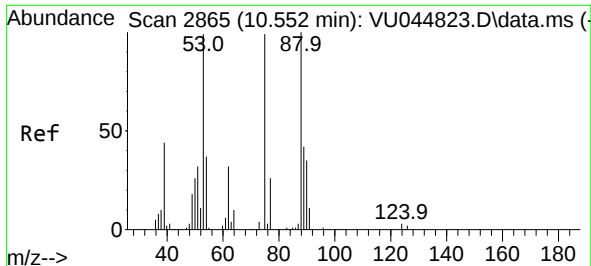
Tgt Ion:152 Resp: 133611
 Ion Ratio Lower Upper
 152 100
 115 61.2 43.5 130.7
 150 159.7 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 18.924 ug/l
 RT: 10.635 min Scan# 2891
 Delta R.T. -0.193 min
 Lab File: VU044865.D
 Acq: 26 Sep 2021 03:07

Tgt Ion: 75 Resp: 76567
 Ion Ratio Lower Upper
 75 100
 77 1.0 17.9 53.7#

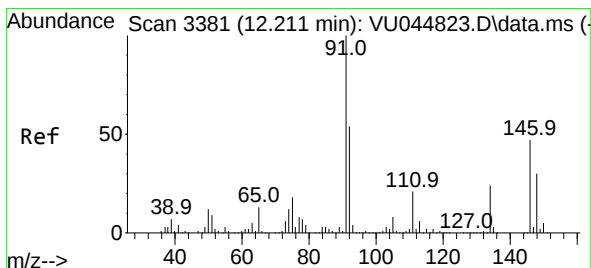
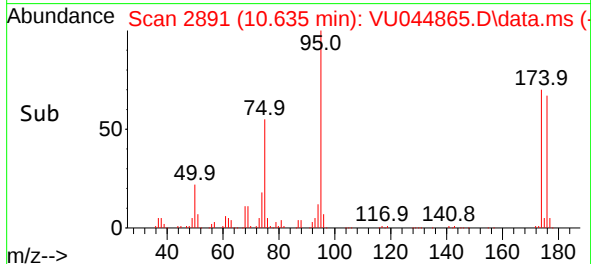
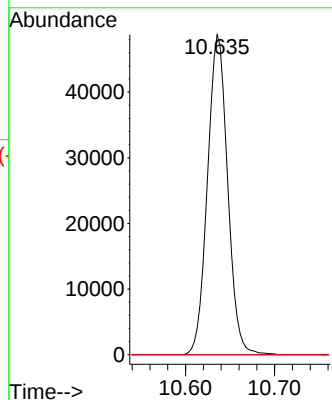
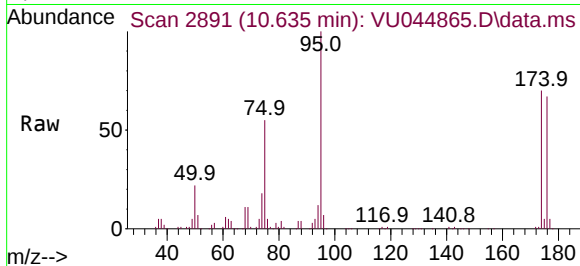




#81
trans-1,4-Dichloro-2-butene
Concen: 61.304 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU044865.D
Acq: 26 Sep 2021 03:07

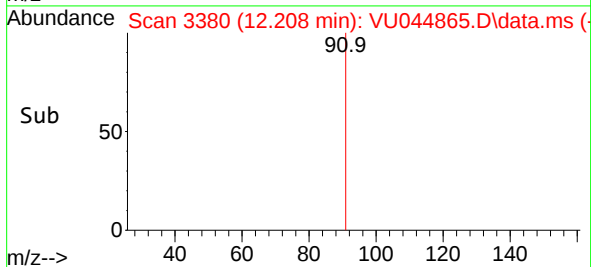
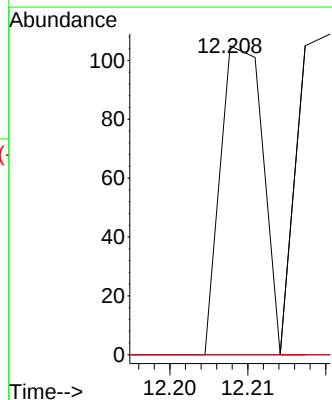
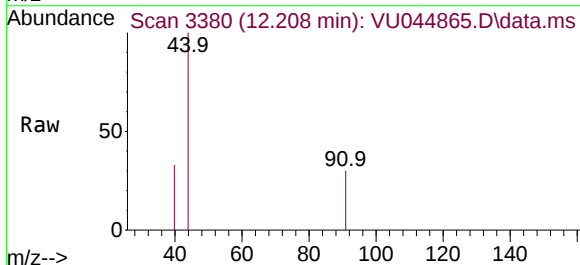
Instrument :
MSVOA_U
ClientSampleId :
1031-MW-17A

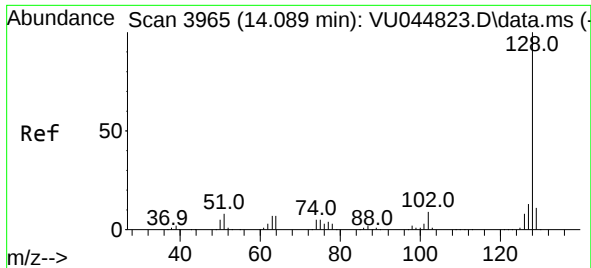
Tgt Ion: 75 Resp: 76567
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#



#89
n-Butylbenzene
Concen: 1.280 ug/l
RT: 12.208 min Scan# 3380
Delta R.T. -0.003 min
Lab File: VU044865.D
Acq: 26 Sep 2021 03:07

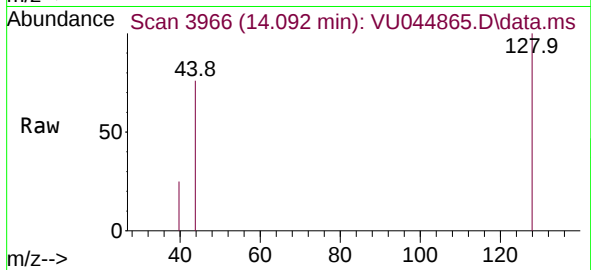
Tgt Ion: 91 Resp: 40
Ion Ratio Lower Upper
91 100
92 0.0 26.8 80.4#
134 0.0 11.8 35.4#





#95
Naphthalene
Concen: 1.044 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU044865.D
Acq: 26 Sep 2021 03:07

Instrument :
MSVOA_U
ClientSampleId :
1031-MW-17A



Tgt Ion:128 Resp: 1053
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 13.0#

