

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092521\
 Data File : VU044863.D
 Acq On : 26 Sep 2021 02:20
 Operator : SY/MD
 Sample : M3859-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 1032-FB092021

Quant Time: Sep 27 03:14:10 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)

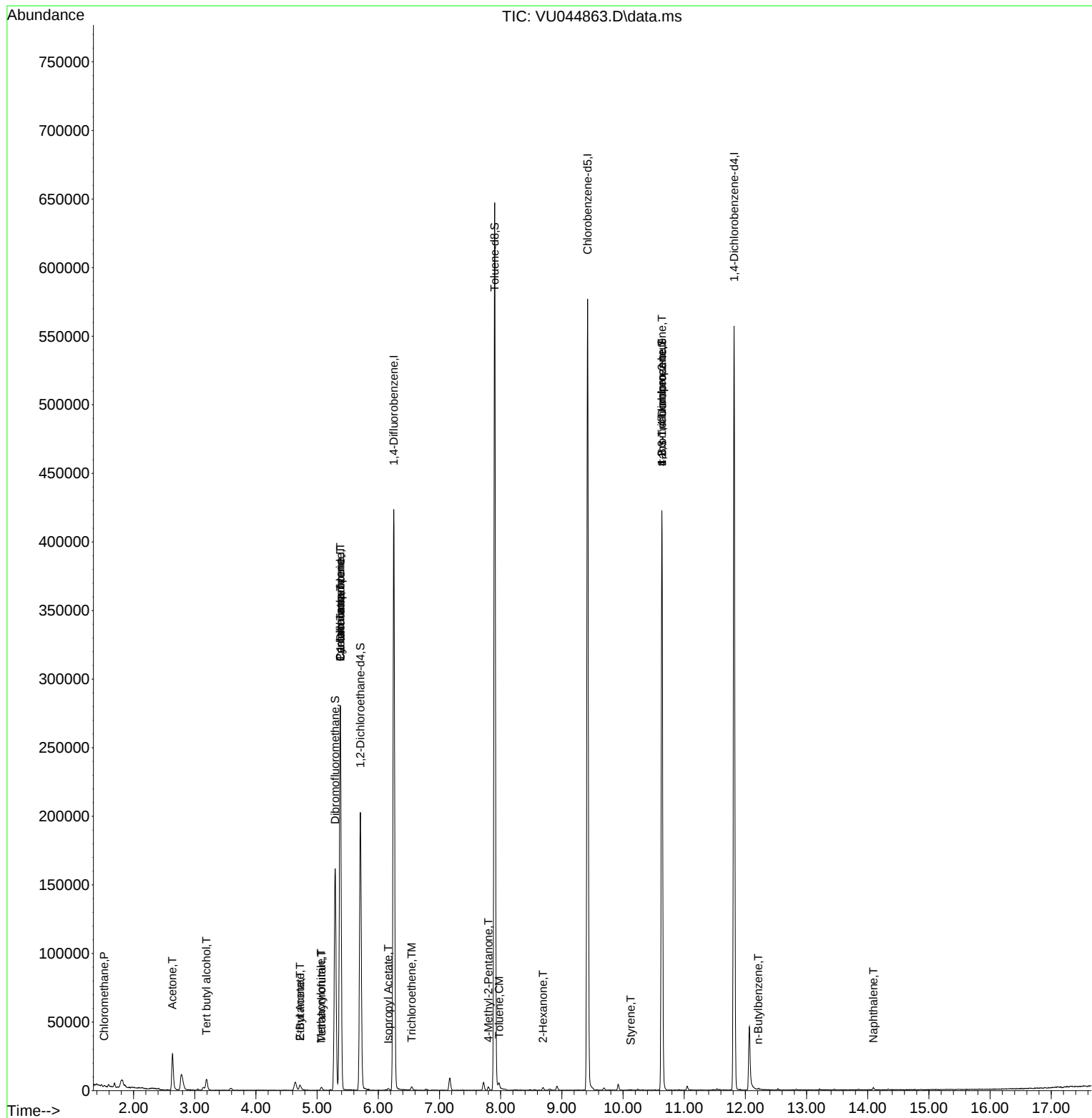
Internal Standards						
1) Pentafluorobenzene	5.378	168	181112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	318935	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	296037	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	133980	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	151867	48.046	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.100%	
35) Dibromofluoromethane	5.295	113	103076	47.111	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.220%	
50) Toluene-d8	7.902	98	406818	49.231	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.460%	
62) 4-Bromofluorobenzene	10.635	95	139733	45.528	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.060%	
Target Compounds					Qvalue	
3) Chloromethane	1.520	50	788	0.239	ug/l	100
5) Bromomethane	1.858	94	848	Below Cal		87
6) Chloroethane	1.935	64	109	Below Cal	#	42
11) Tert butyl alcohol	3.192	59	6032	6.538	ug/l #	72
16) Acetone	2.636	43	33006	18.512	ug/l	95
25) 2-Butanone	4.719	43	6216	2.298	ug/l	96
29) Tetrahydrofuran	5.073	42	1425	0.837	ug/l #	87
31) Cyclohexane	5.378	56	4821	1.062	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	17041	5.036	ug/l #	49
37) Ethyl Acetate	4.719	43	6216	1.252	ug/l #	69
38) Carbon Tetrachloride	5.378	117	18924	6.255	ug/l #	17
41) Methacrylonitrile	5.067	41	957	0.386	ug/l #	46
43) Isopropyl Acetate	6.163	43	1767	0.254	ug/l #	61
44) Trichloroethene	6.546	130	847	0.342	ug/l	90
51) 4-Methyl-2-Pentanone	7.800	43	1801	0.364	ug/l	93
52) Toluene	7.976	92	1457	0.236	ug/l	88
59) 2-Hexanone	8.690	43	1571	0.395	ug/l	97
70) Styrene	10.127	104	47	1.017	ug/l #	25
76) 1,2,3-Trichloropropane	10.635	75	76815	18.933	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.635	75	76815	61.334	ug/l #	9
89) n-Butylbenzene	12.211	91	307	1.311	ug/l #	67
95) Naphthalene	14.092	128	1869	1.121	ug/l #	93

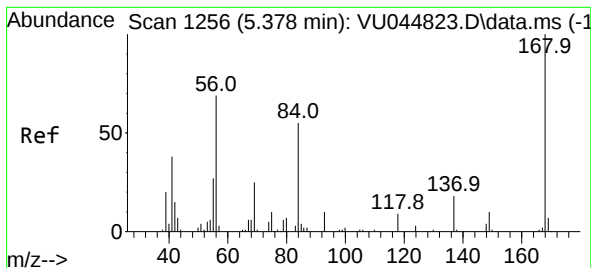
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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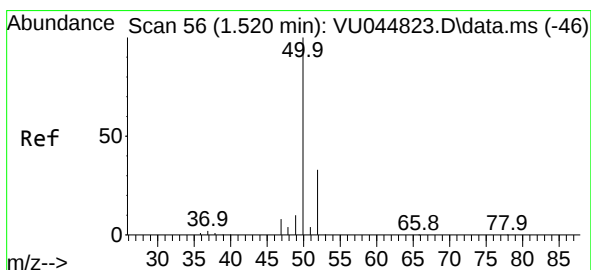
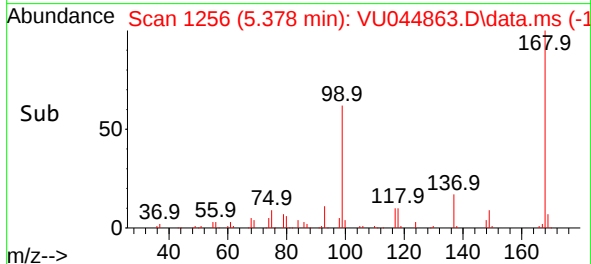
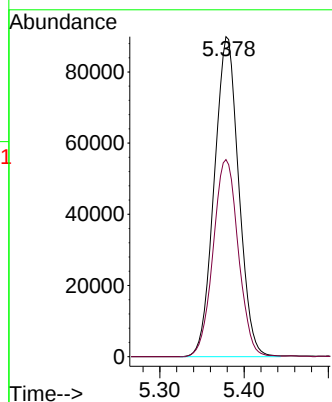
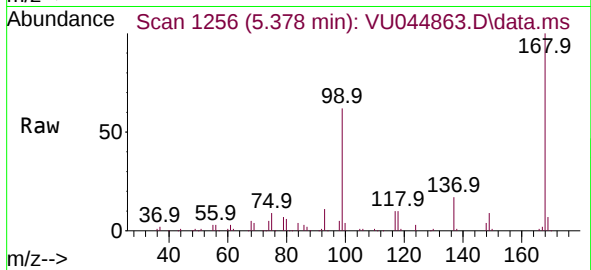




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. 0.000 min
Lab File: VU044863.D
Acq: 26 Sep 2021 02:20

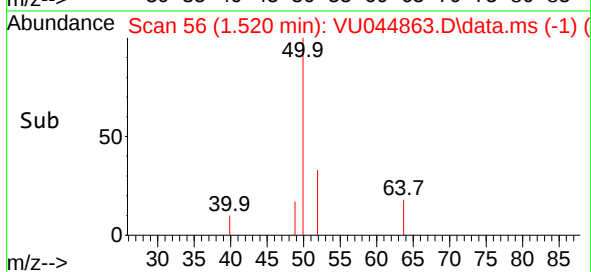
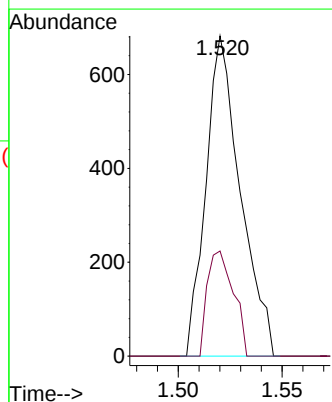
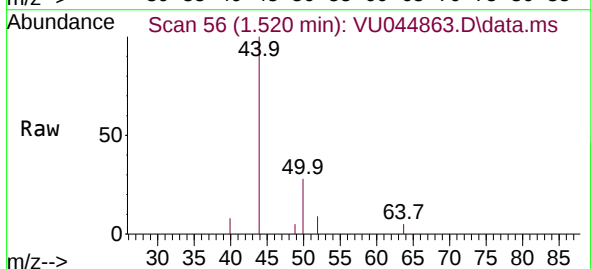
Instrument :
MSVOA_U
ClientSampleId :
1032-FB092021

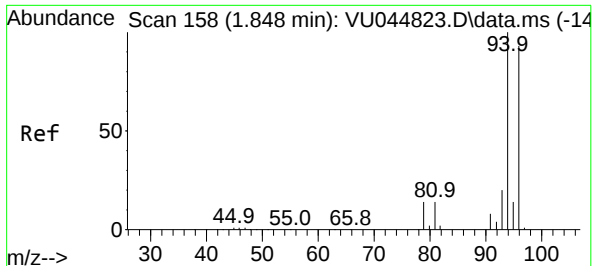
Tgt Ion:168 Resp: 181112
Ion Ratio Lower Upper
168 100
99 61.6 51.4 77.0



#3
Chloromethane
Concen: 0.239 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU044863.D
Acq: 26 Sep 2021 02:20

Tgt Ion: 50 Resp: 788
Ion Ratio Lower Upper
50 100
52 32.8 26.3 39.5

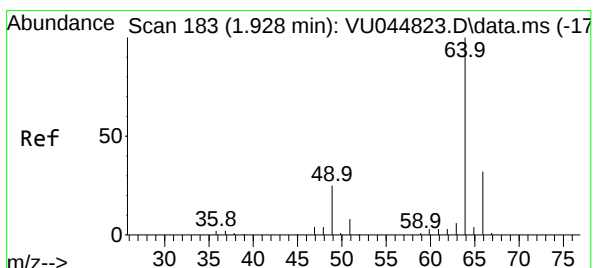
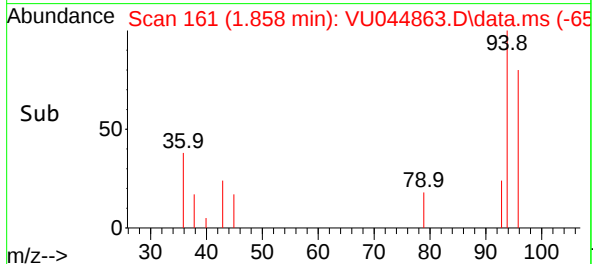
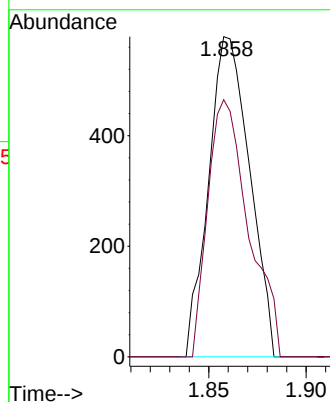
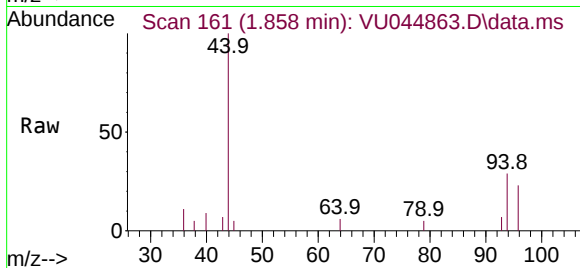




#5
Bromomethane
Concen: Below Cal
RT: 1.858 min Scan# 161
Delta R.T. 0.010 min
Lab File: VU044863.D
Acq: 26 Sep 2021 02:20

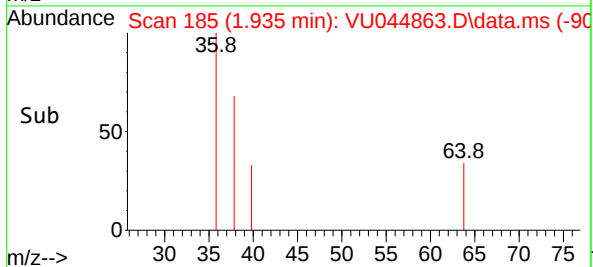
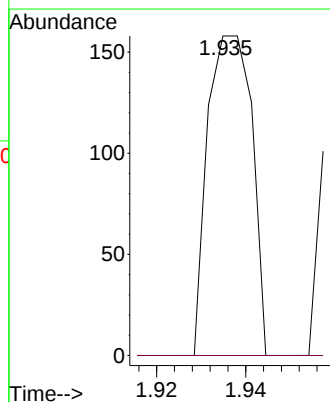
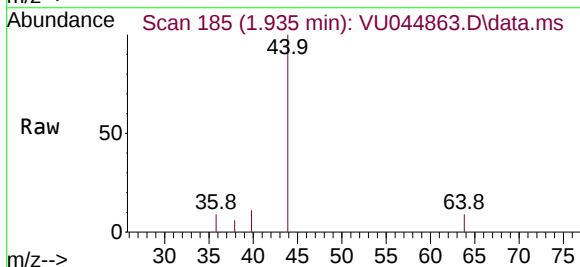
Instrument :
MSVOA_U
ClientSampleId :
1032-FB092021

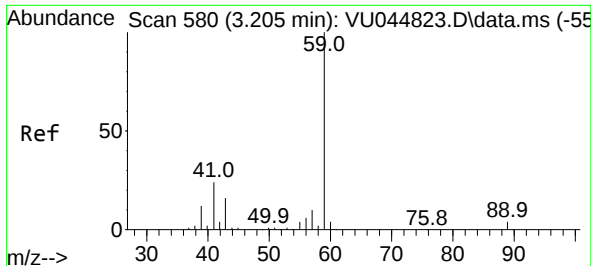
Tgt Ion: 94 Resp: 848
Ion Ratio Lower Upper
94 100
96 80.3 74.5 111.7



#6
Chloroethane
Concen: Below Cal
RT: 1.935 min Scan# 185
Delta R.T. 0.007 min
Lab File: VU044863.D
Acq: 26 Sep 2021 02:20

Tgt Ion: 64 Resp: 109
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#



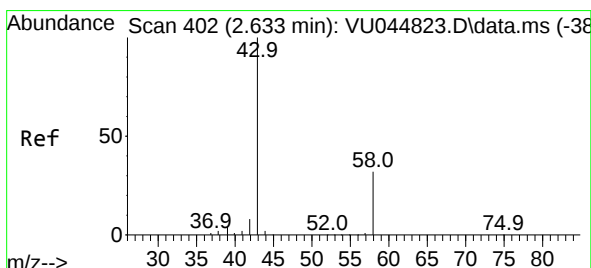
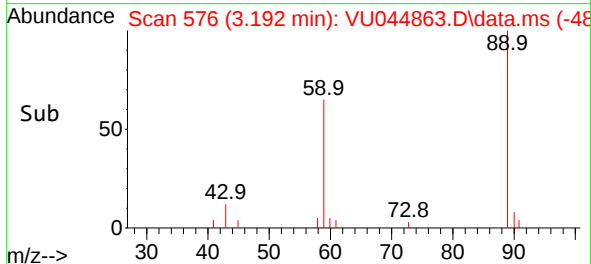
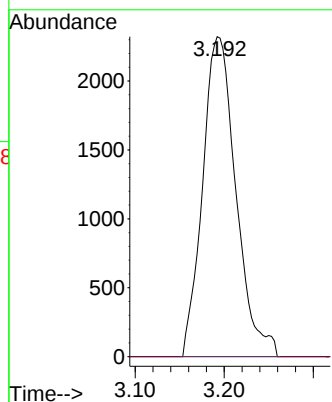
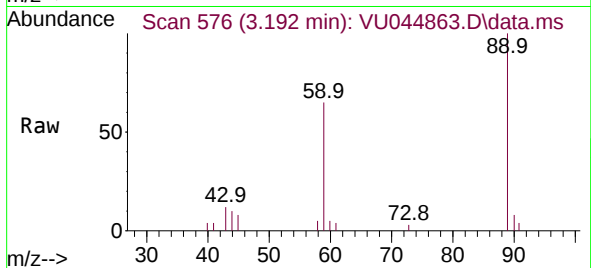


#11

Tert butyl alcohol
Concen: 6.538 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.013 min
Lab File: VU044863.D
Acq: 26 Sep 2021 02:20

Instrument :
MSVOA_U
ClientSampleId :
1032-FB092021

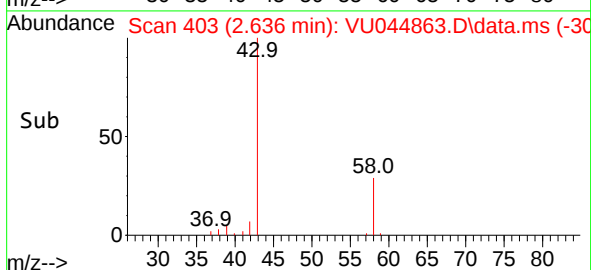
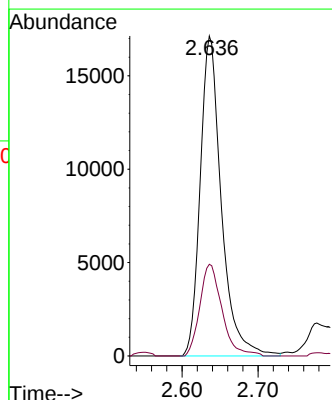
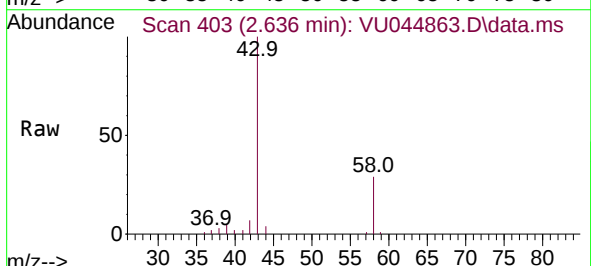
Tgt Ion: 59 Resp: 6032
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

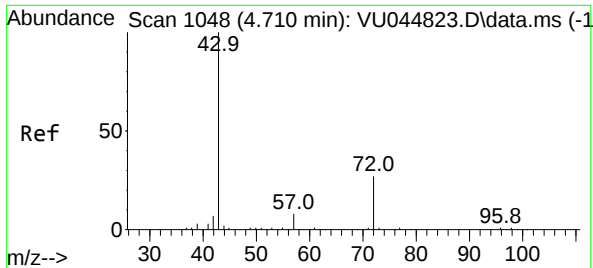


#16

Acetone
Concen: 18.512 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.003 min
Lab File: VU044863.D
Acq: 26 Sep 2021 02:20

Tgt Ion: 43 Resp: 33006
Ion Ratio Lower Upper
43 100
58 28.6 25.2 37.8

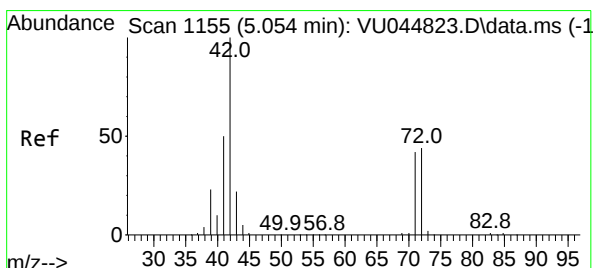
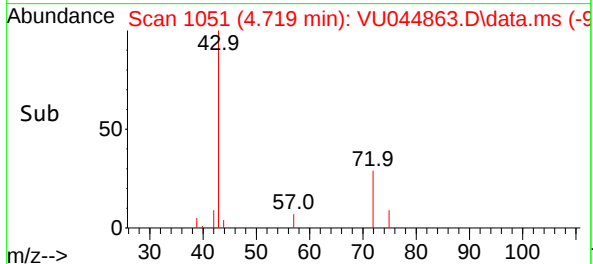
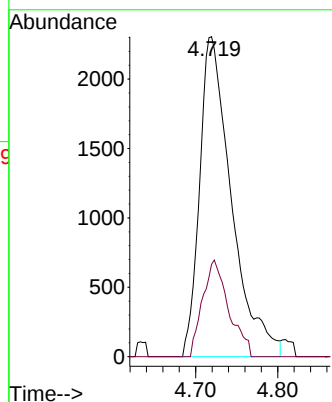
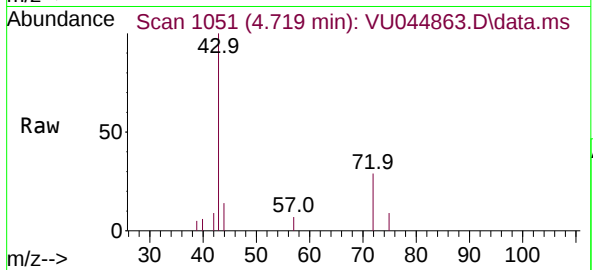




#25
2-Butanone
Concen: 2.298 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.010 min
Lab File: VU044863.D
Acq: 26 Sep 2021 02:20

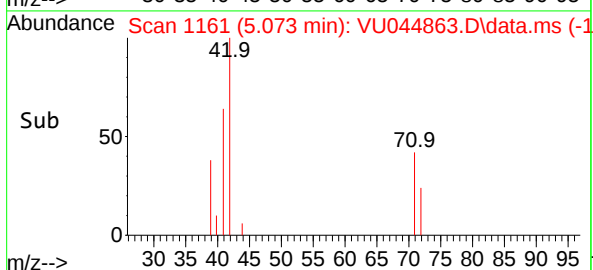
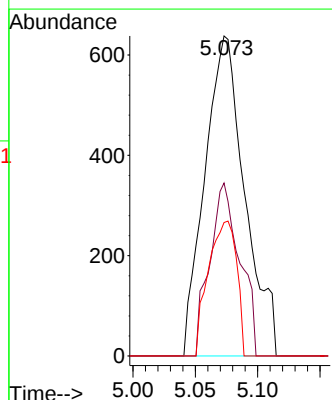
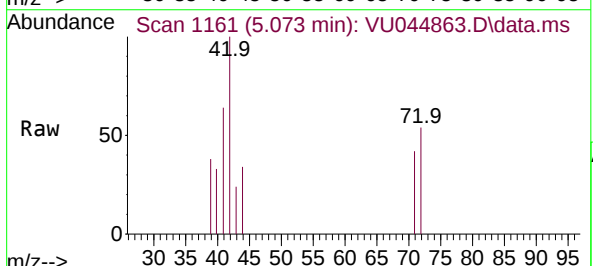
Instrument :
MSVOA_U
ClientSampleId :
1032-FB092021

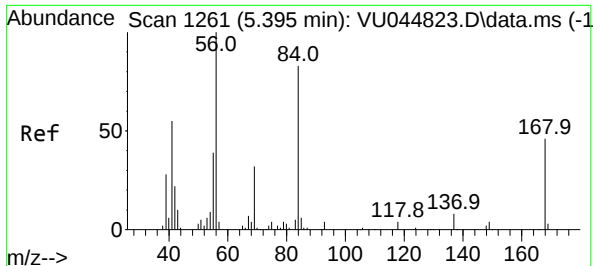
Tgt Ion: 43 Resp: 6216
Ion Ratio Lower Upper
43 100
72 28.9 21.3 31.9



#29
Tetrahydrofuran
Concen: 0.837 ug/l
RT: 5.073 min Scan# 1161
Delta R.T. 0.019 min
Lab File: VU044863.D
Acq: 26 Sep 2021 02:20

Tgt Ion: 42 Resp: 1425
Ion Ratio Lower Upper
42 100
72 40.7 36.2 54.4
71 29.8 34.1 51.1#

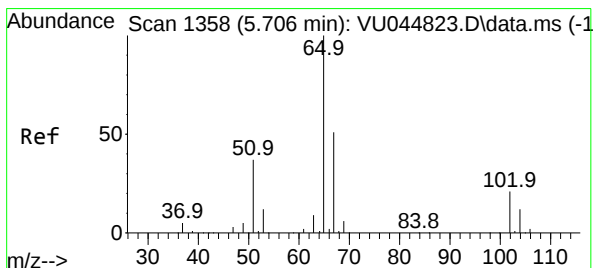
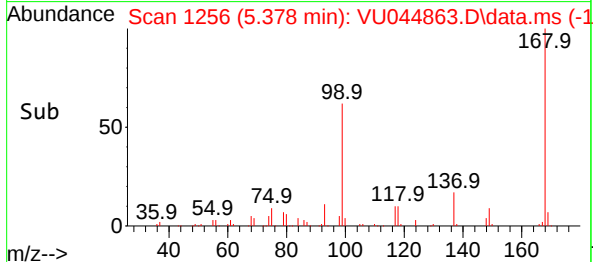
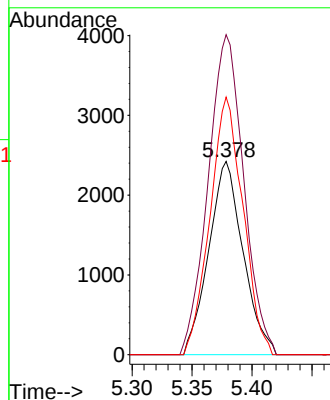
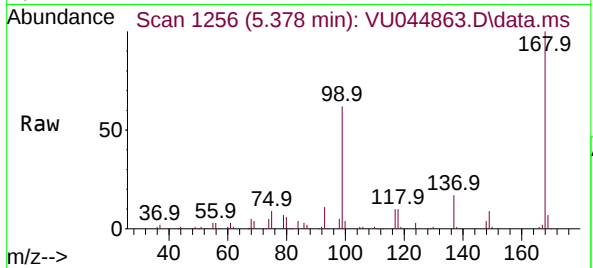




#31
Cyclohexane
Concen: 1.062 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.016 min
Lab File: VU044863.D
Acq: 26 Sep 2021 02:20

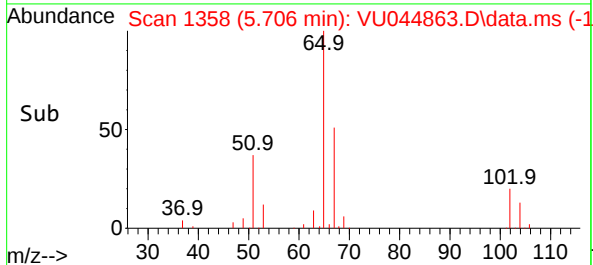
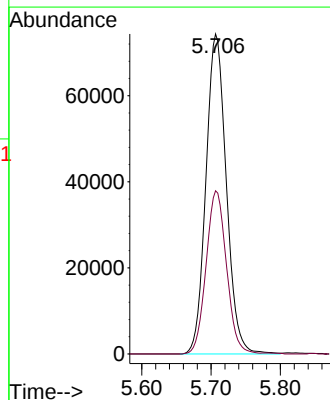
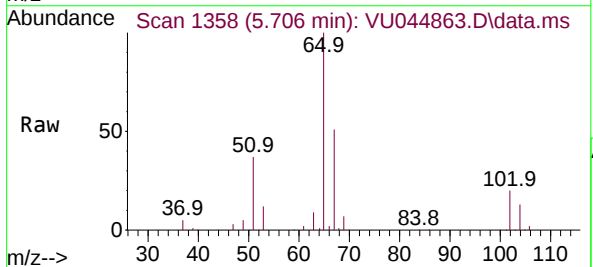
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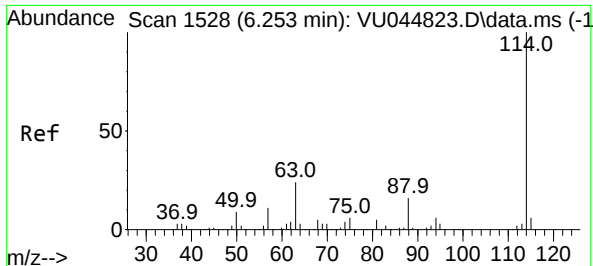
Tgt Ion: 56 Resp: 4821
Ion Ratio Lower Upper
56 100
69 165.6 25.2 37.8#
84 133.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 48.046 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VU044863.D
Acq: 26 Sep 2021 02:20

Tgt Ion: 65 Resp: 151867
Ion Ratio Lower Upper
65 100
67 51.0 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: VU044863.D

Acq: 26 Sep 2021 02:20

Tgt Ion:114 Resp: 318935

Ion Ratio Lower Upper

114 100

63 23.0 0.0 47.8

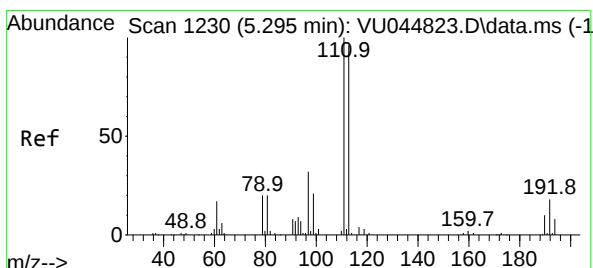
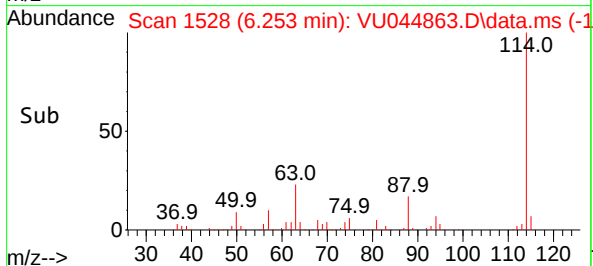
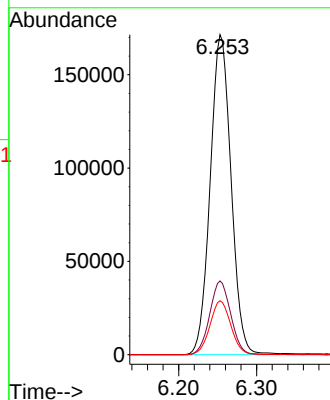
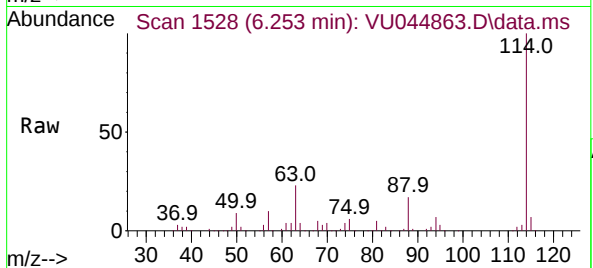
88 16.8 0.0 32.8

Instrument :

MSVOA_U

ClientSampleId :

1032-FB092021



#35

Dibromofluoromethane

Concen: 47.111 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. -0.000 min

Lab File: VU044863.D

Acq: 26 Sep 2021 02:20

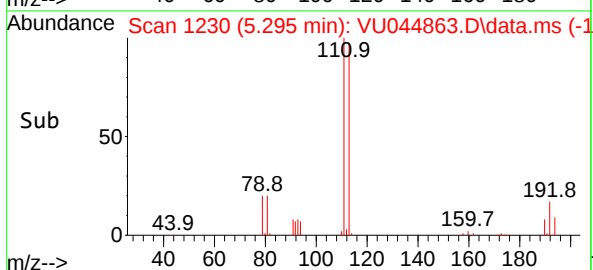
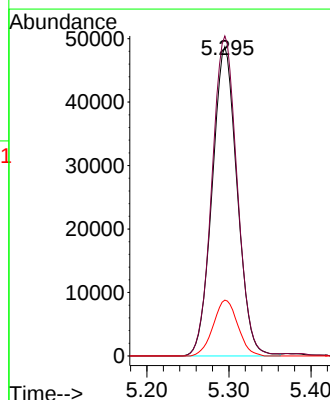
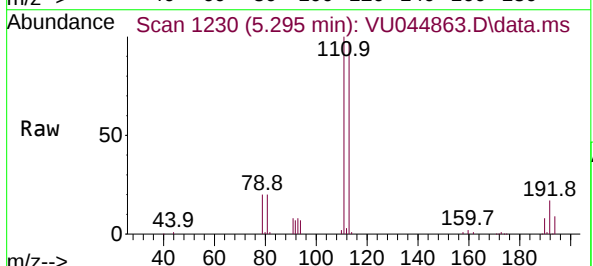
Tgt Ion:113 Resp: 103076

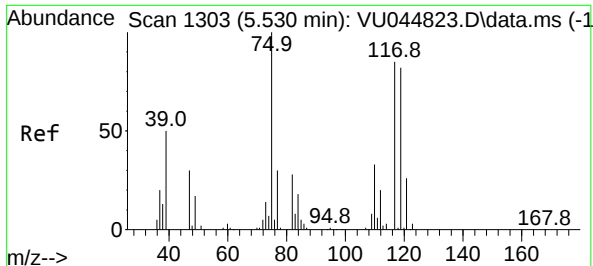
Ion Ratio Lower Upper

113 100

111 104.5 84.1 126.1

192 17.8 14.8 22.2



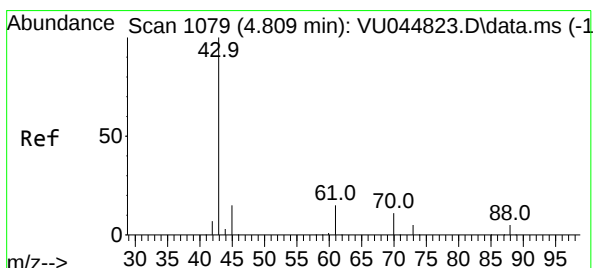
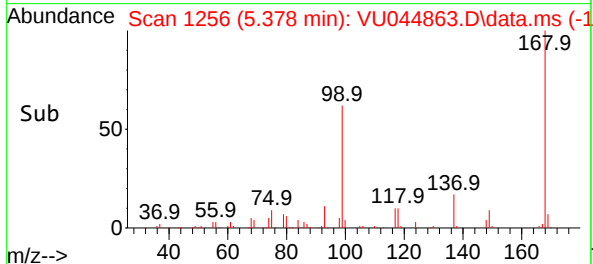
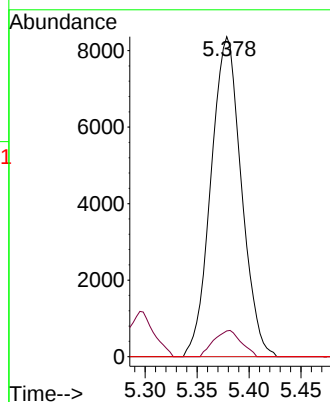
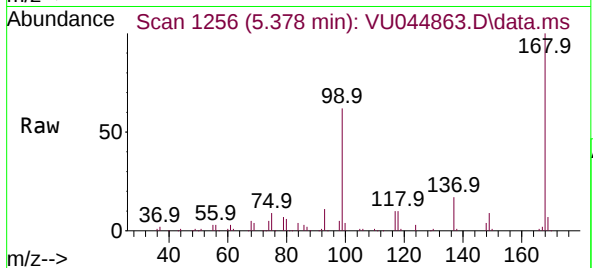


#36

1,1-Dichloropropene
Concen: 5.036 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU044863.D
Acq: 26 Sep 2021 02:20

Instrument :
MSVOA_U
ClientSampleId :
1032-FB092021

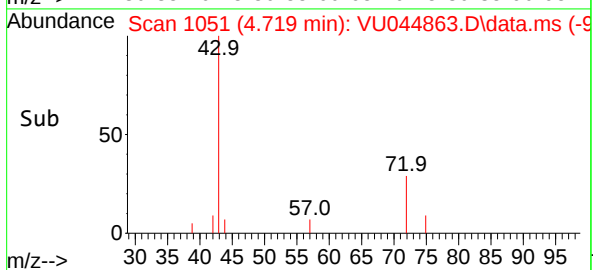
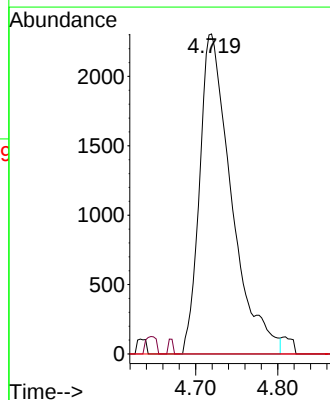
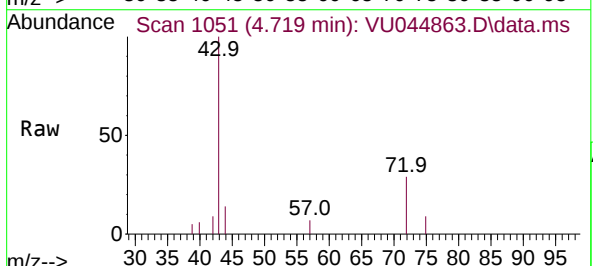
Tgt Ion: 75 Resp: 17041
Ion Ratio Lower Upper
75 100
110 7.4 16.3 48.9#
77 0.0 25.0 37.4#

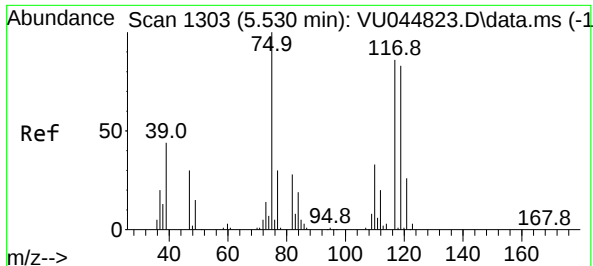


#37

Ethyl Acetate
Concen: 1.252 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. -0.090 min
Lab File: VU044863.D
Acq: 26 Sep 2021 02:20

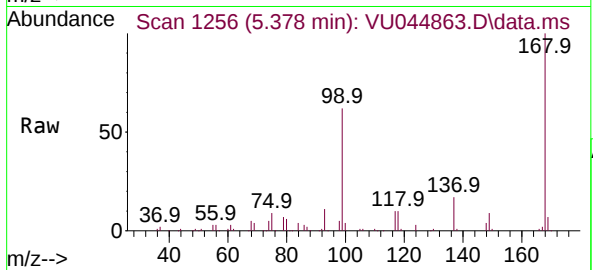
Tgt Ion: 43 Resp: 6216
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 8.2 12.4#



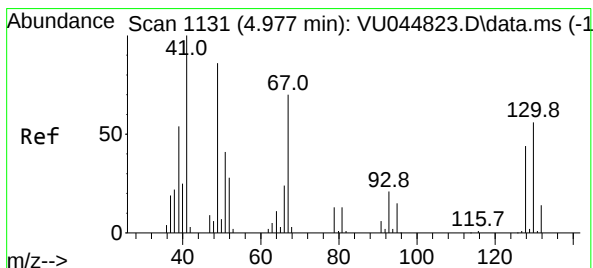
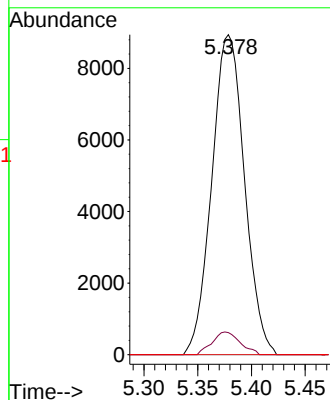
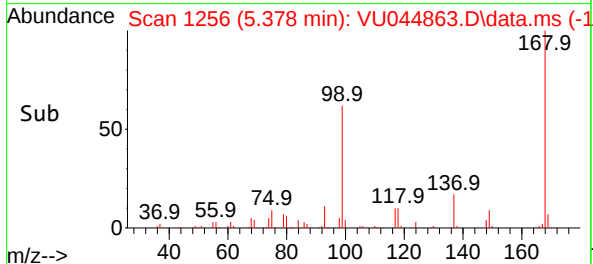


#38
Carbon Tetrachloride
Concen: 6.255 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU044863.D
Acq: 26 Sep 2021 02:20

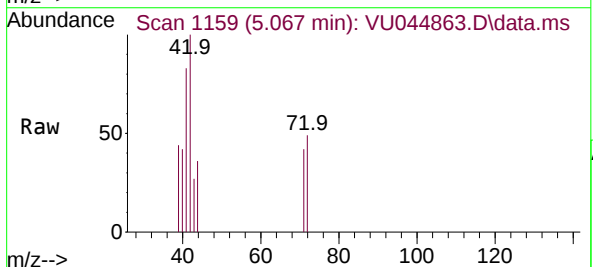
Instrument :
MSVOA_U
ClientSampleId :
1032-FB092021



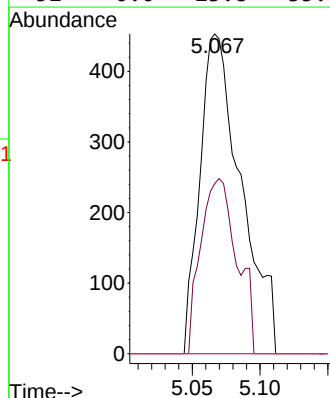
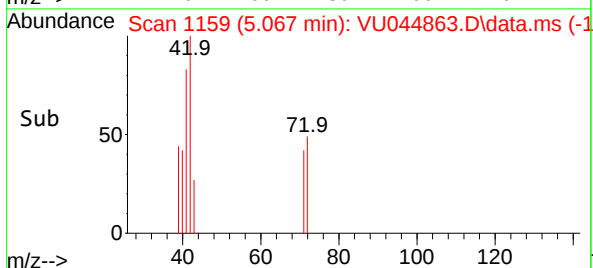
Tgt Ion: 117 Resp: 18924
Ion Ratio Lower Upper
117 100
119 6.9 77.4 116.2#
121 0.0 24.5 36.7#

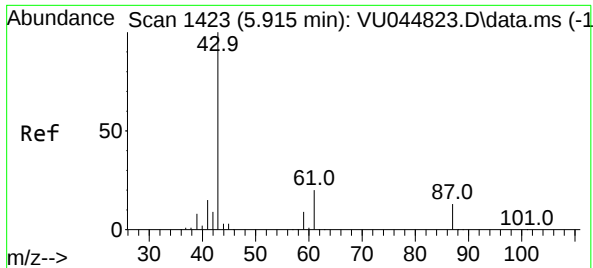


#41
Methacrylonitrile
Concen: 0.386 ug/l
RT: 5.067 min Scan# 1159
Delta R.T. 0.090 min
Lab File: VU044863.D
Acq: 26 Sep 2021 02:20



Tgt Ion: 41 Resp: 957
Ion Ratio Lower Upper
41 100
39 48.3 44.4 66.6
67 0.0 58.1 87.1#
52 0.0 23.8 35.8#

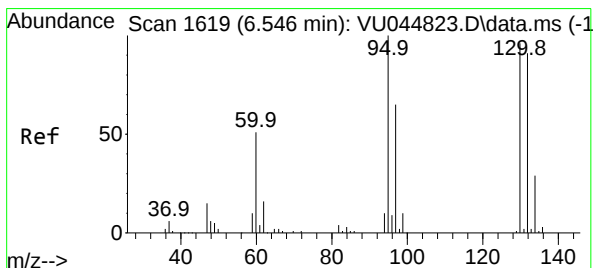
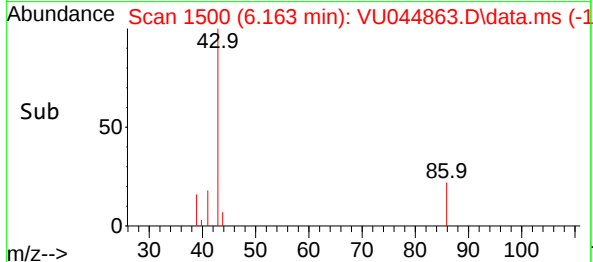
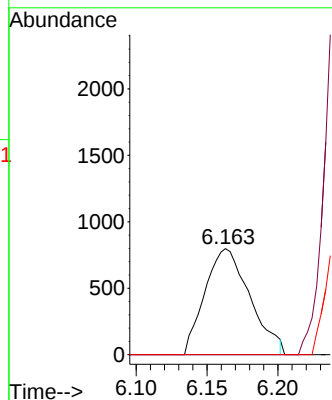
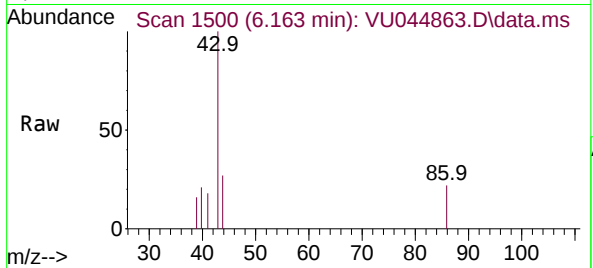




#43
Isopropyl Acetate
Concen: 0.254 ug/l
RT: 6.163 min Scan# 1500
Delta R.T. 0.248 min
Lab File: VU044863.D
Acq: 26 Sep 2021 02:20

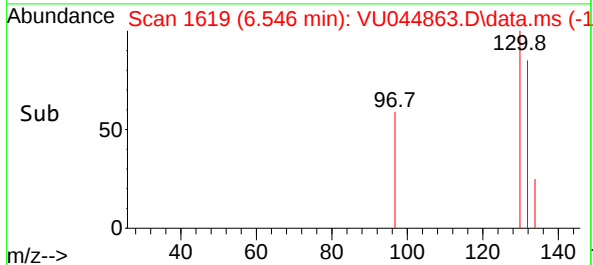
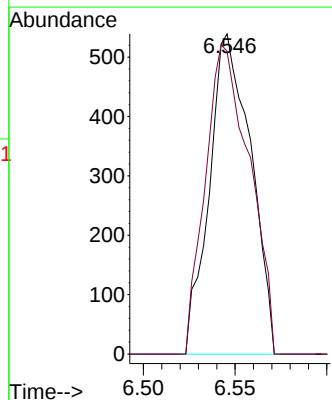
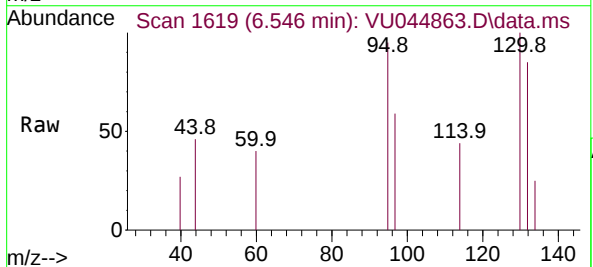
Instrument :
MSVOA_U
ClientSampleId :
1032-FB092021

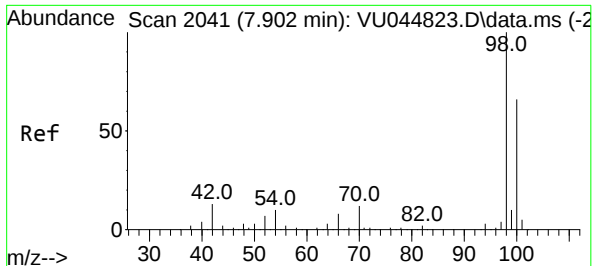
Tgt Ion: 43 Resp: 1767
Ion Ratio Lower Upper
43 100
61 0.0 16.1 24.1#
87 0.0 10.3 15.5#



#44
Trichloroethene
Concen: 0.342 ug/l
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU044863.D
Acq: 26 Sep 2021 02:20

Tgt Ion:130 Resp: 847
Ion Ratio Lower Upper
130 100
95 94.6 0.0 209.0

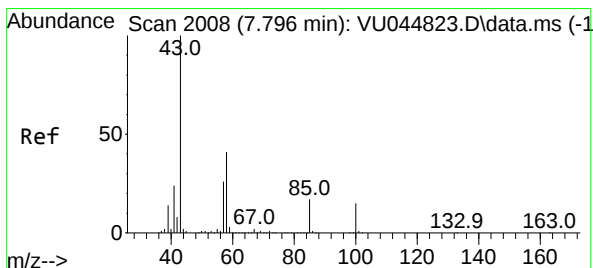
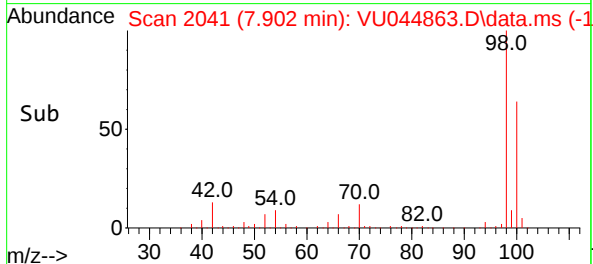
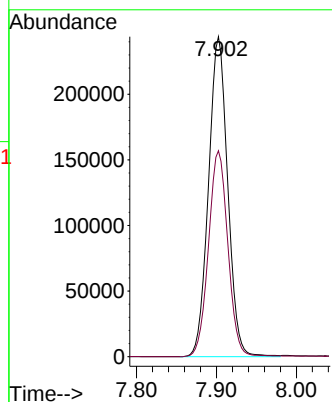
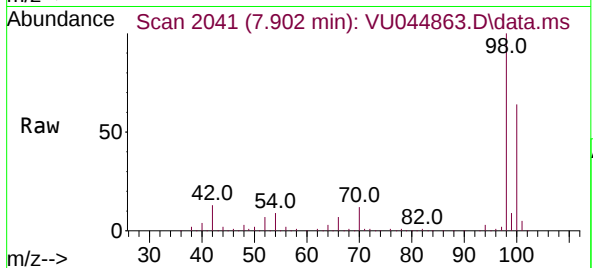




#50
Toluene-d8
Concen: 49.231 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VU044863.D
Acq: 26 Sep 2021 02:20

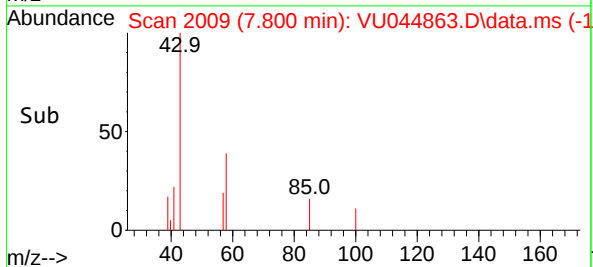
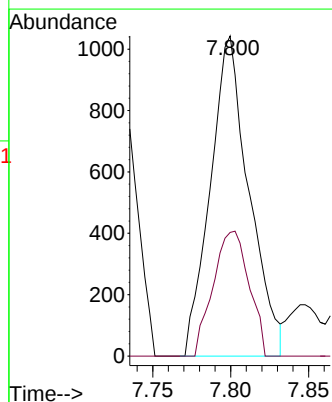
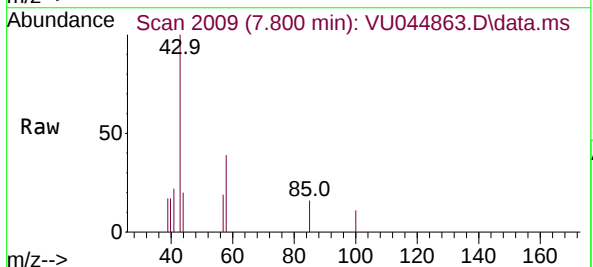
Instrument :
MSVOA_U
ClientSampleId :
1032-FB092021

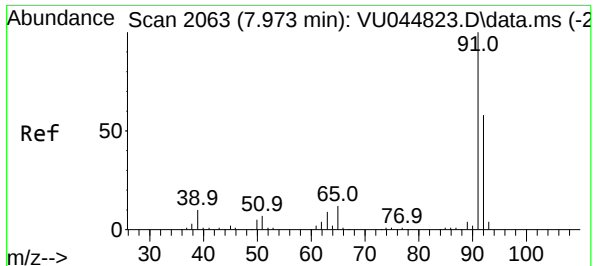
Tgt Ion: 98 Resp: 406818
Ion Ratio Lower Upper
98 100
100 65.0 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.364 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. 0.003 min
Lab File: VU044863.D
Acq: 26 Sep 2021 02:20

Tgt Ion: 43 Resp: 1801
Ion Ratio Lower Upper
43 100
58 36.1 32.4 48.6

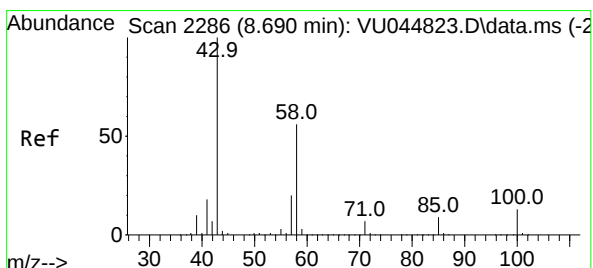
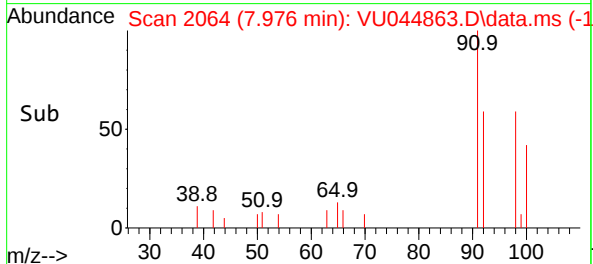
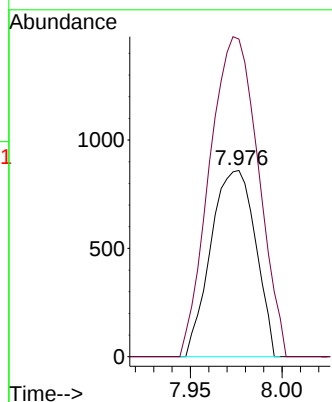
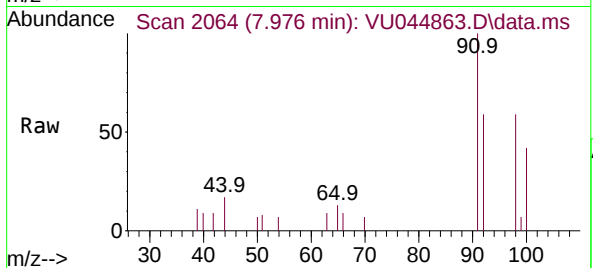




#52
Toluene
Concen: 0.236 ug/l
RT: 7.976 min Scan# 2064
Delta R.T. 0.003 min
Lab File: VU044863.D
Acq: 26 Sep 2021 02:20

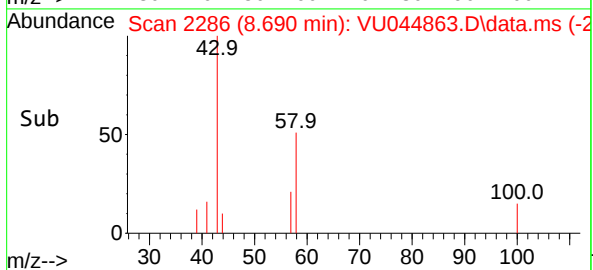
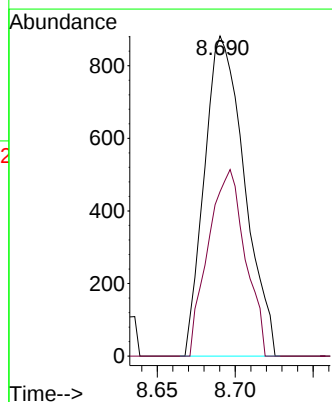
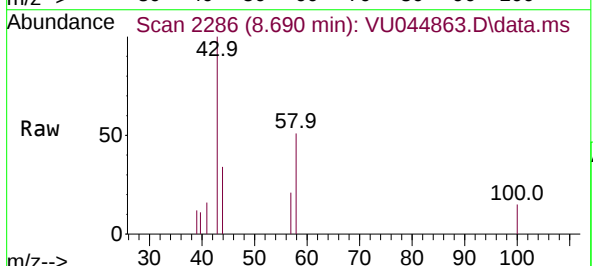
Instrument :
MSVOA_U
ClientSampleId :
1032-FB092021

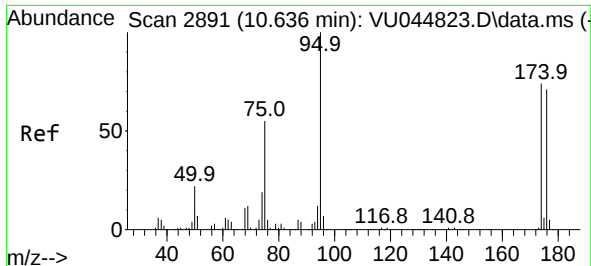
Tgt Ion: 92 Resp: 1457
Ion Ratio Lower Upper
92 100
91 187.4 136.9 205.3



#59
2-Hexanone
Concen: 0.395 ug/l
RT: 8.690 min Scan# 2286
Delta R.T. -0.000 min
Lab File: VU044863.D
Acq: 26 Sep 2021 02:20

Tgt Ion: 43 Resp: 1571
Ion Ratio Lower Upper
43 100
58 53.9 28.0 84.0

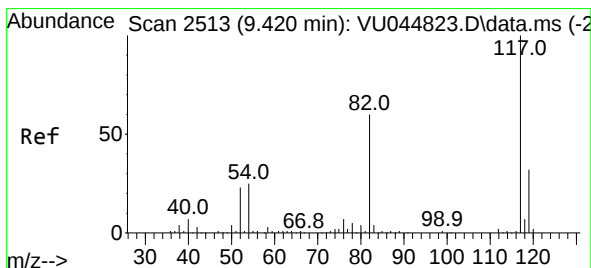
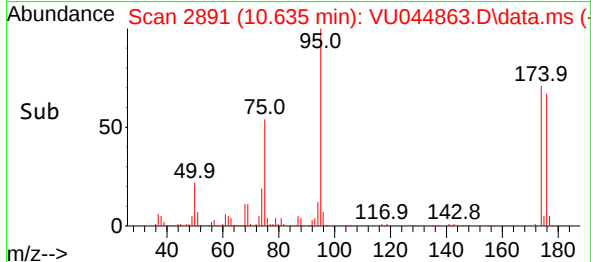
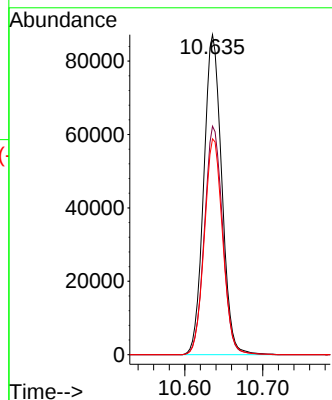
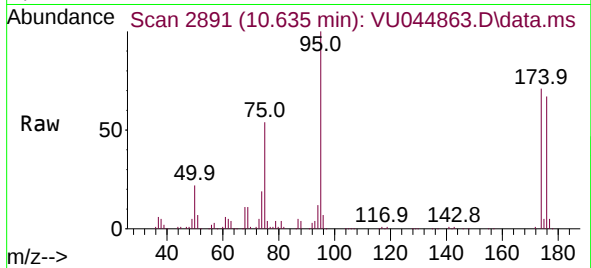




#62
4-Bromofluorobenzene
Concen: 45.528 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.000 min
Lab File: VU044863.D
Acq: 26 Sep 2021 02:20

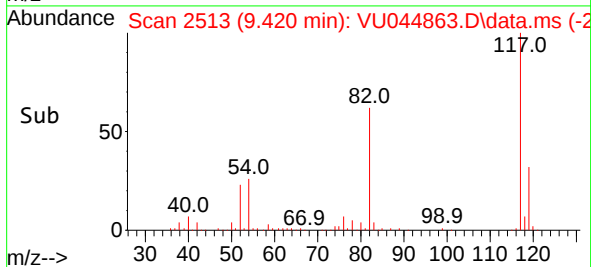
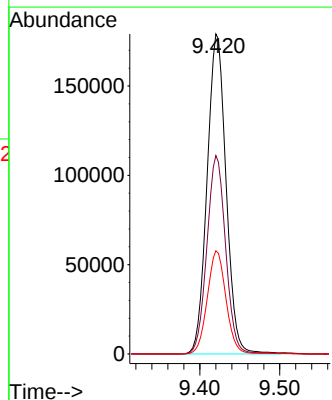
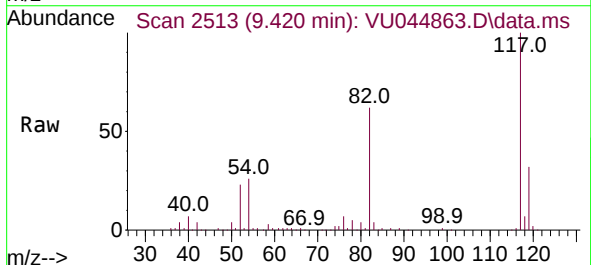
Instrument :
MSVOA_U
ClientSampleId :
1032-FB092021

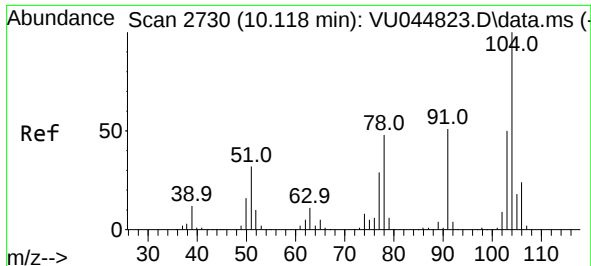
Tgt Ion: 95 Resp: 139733
Ion Ratio Lower Upper
95 100
174 72.3 0.0 146.6
176 68.7 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. -0.000 min
Lab File: VU044863.D
Acq: 26 Sep 2021 02:20

Tgt Ion: 117 Resp: 296037
Ion Ratio Lower Upper
117 100
82 62.0 47.8 71.8
119 32.2 25.8 38.6

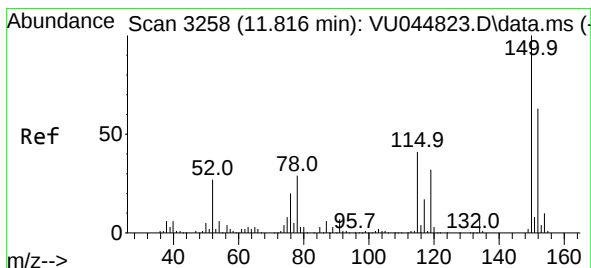
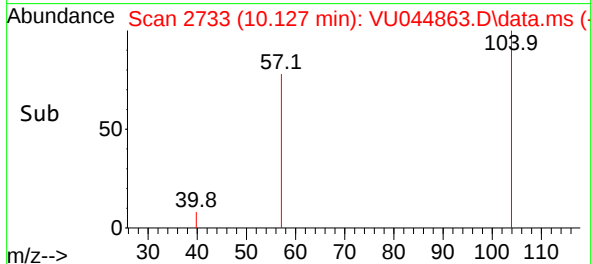
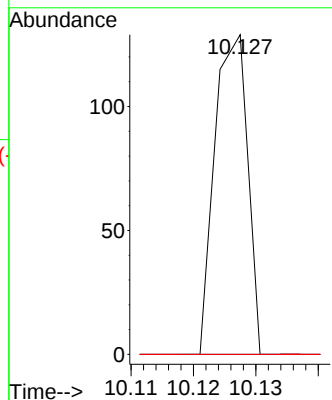
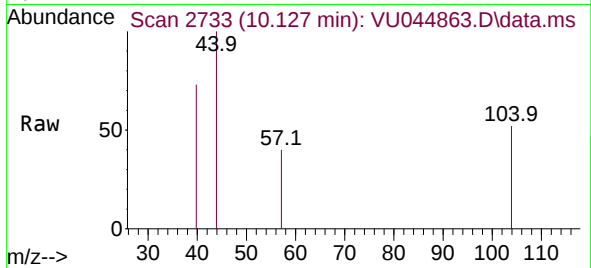




#70
Styrene
Concen: 1.017 ug/l
RT: 10.127 min Scan# 2733
Delta R.T. 0.009 min
Lab File: VU044863.D
Acq: 26 Sep 2021 02:20

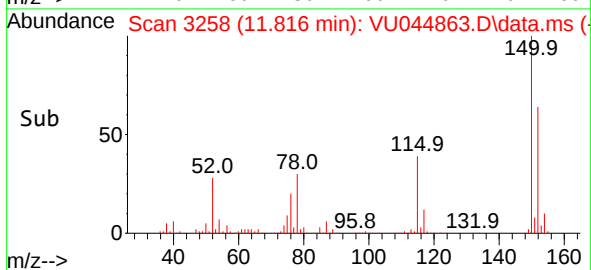
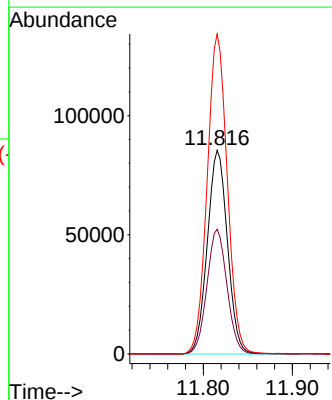
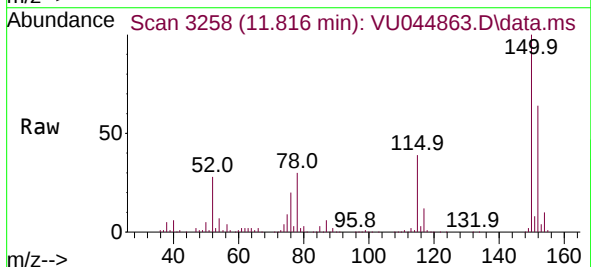
Instrument :
MSVOA_U
ClientSampleId :
1032-FB092021

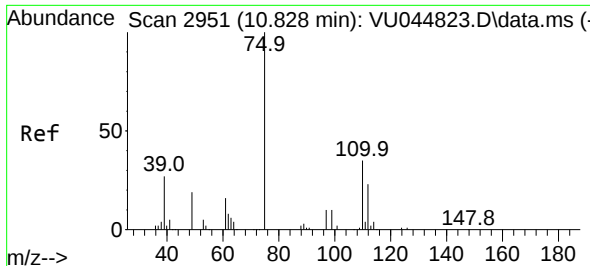
Tgt Ion:104 Resp: 47
Ion Ratio Lower Upper
104 100
78 0.0 41.4 62.0#
103 0.0 43.5 65.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. -0.000 min
Lab File: VU044863.D
Acq: 26 Sep 2021 02:20

Tgt Ion:152 Resp: 133980
Ion Ratio Lower Upper
152 100
115 61.0 43.5 130.7
150 156.5 0.0 350.0

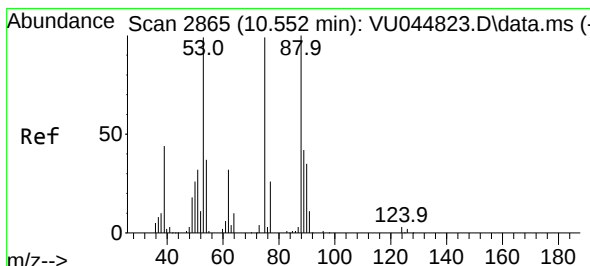
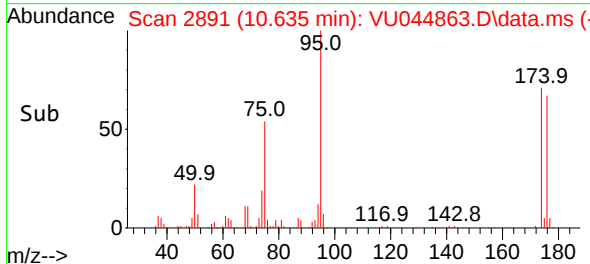
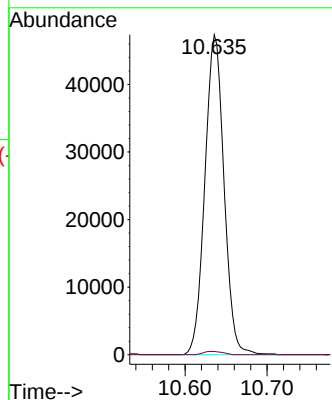
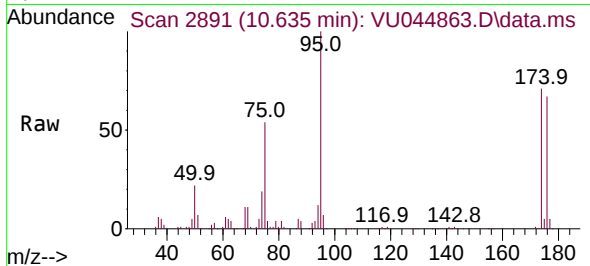




#76
1,2,3-Trichloropropane
Concen: 18.933 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU044863.D
Acq: 26 Sep 2021 02:20

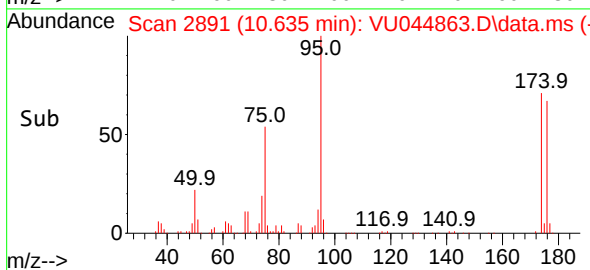
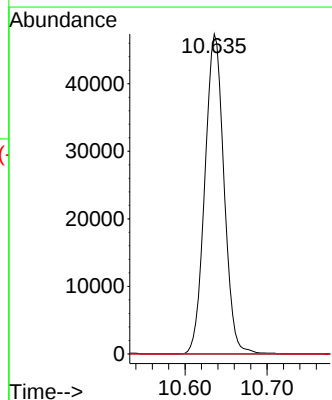
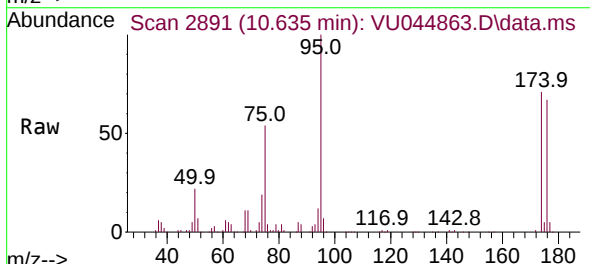
Instrument :
MSVOA_U
ClientSampleId :
1032-FB092021

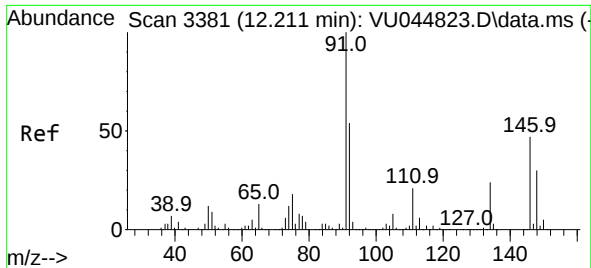
Tgt Ion: 75 Resp: 76815
Ion Ratio Lower Upper
75 100
77 1.0 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.334 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU044863.D
Acq: 26 Sep 2021 02:20

Tgt Ion: 75 Resp: 76815
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

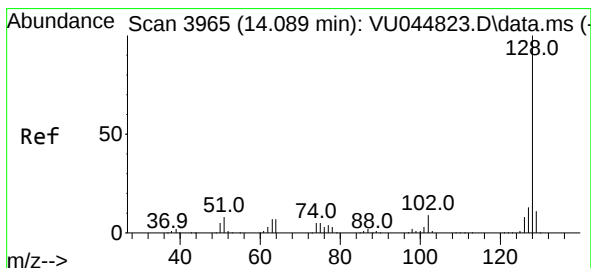
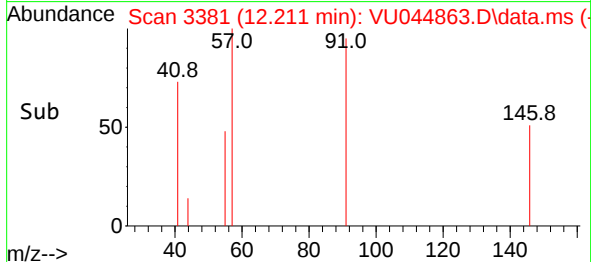
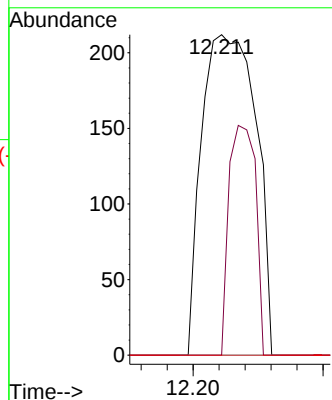
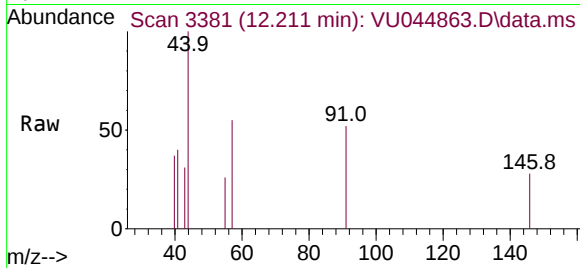




#89
n-Butylbenzene
Concen: 1.311 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. -0.000 min
Lab File: VU044863.D
Acq: 26 Sep 2021 02:20

Instrument :
MSVOA_U
ClientSampleId :
1032-FB092021

Tgt Ion:	91	Resp:	307
Ion	Ratio	Lower	Upper
91	100		
92	35.2	26.8	80.4
134	0.0	11.8	35.4#



#95
Naphthalene
Concen: 1.121 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU044863.D
Acq: 26 Sep 2021 02:20

Tgt Ion:	128	Resp:	1869
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	4.9	8.6	13.0#

