

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102221\
 Data File : VU045361.D
 Acq On : 22 Oct 2021 13:49
 Operator : SY/MD
 Sample : M4288-01ME
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 22 15:11:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 12:32:13 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

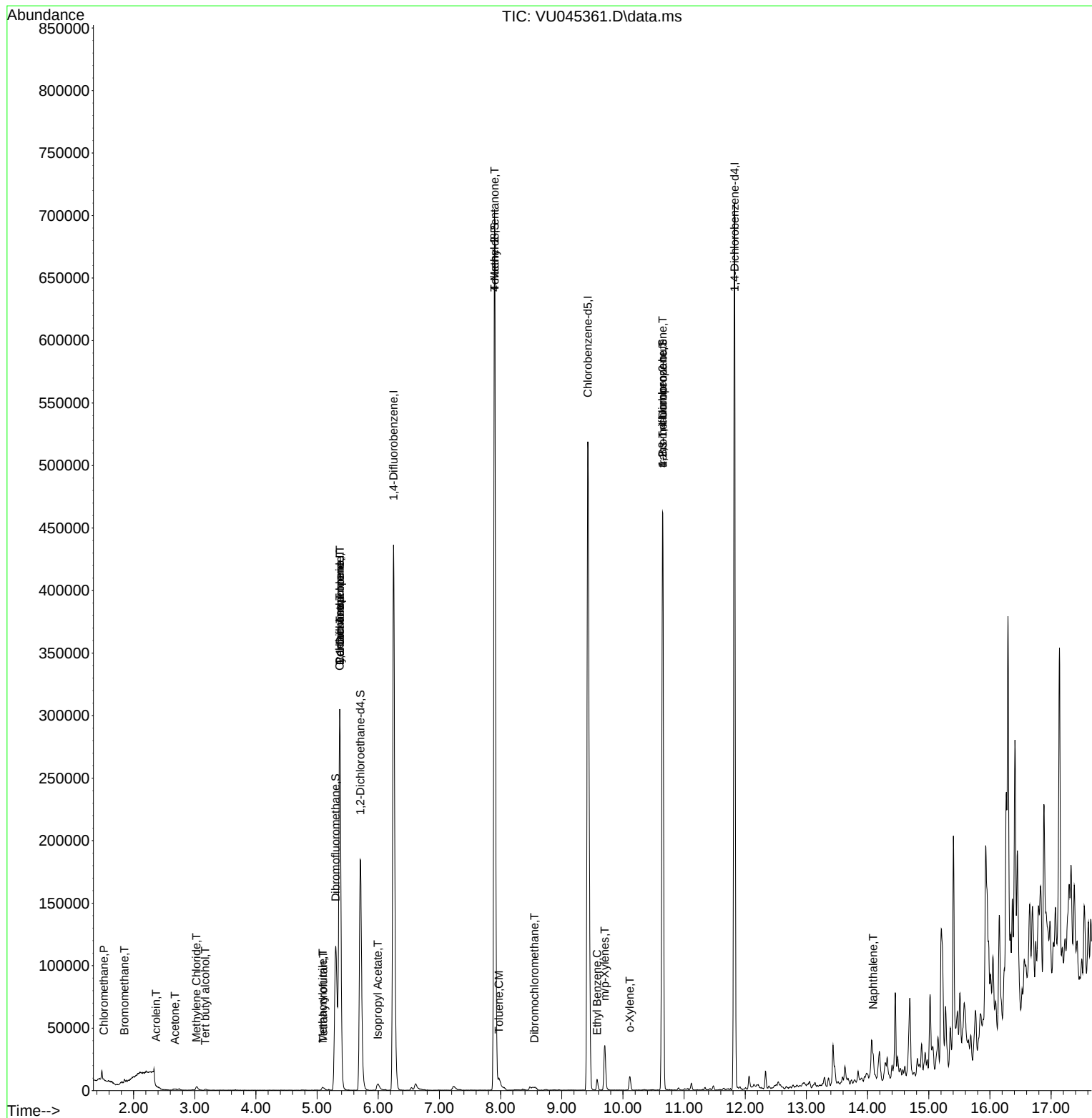
Internal Standards						
1) Pentafluorobenzene	5.372	168	225950	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	416336	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.427	117	393867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.825	152	182822	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	173006	45.997	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.000%		
35) Dibromofluoromethane	5.304	113	121449	46.242	ug/l	0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.480%		
50) Toluene-d8	7.902	98	527404	50.823	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.640%		
62) 4-Bromofluorobenzene	10.648	95	193469	45.158	ug/l	0.01
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.320%		
Target Compounds						Qvalue
3) Chloromethane	1.517	50	1225	0.338	ug/l	96
5) Bromomethane	1.851	94	1018	0.717	ug/l	89
11) Tert butyl alcohol	3.173	59	529	0.490	ug/l #	72
13) Acrolein	2.369	56	40	3.312	ug/l #	14
16) Acetone	2.674	43	1154	0.517	ug/l	94
20) Methylene Chloride	3.028	84	918	0.273	ug/l #	81
29) Tetrahydrofuran	5.099	42	2226	1.179	ug/l #	70
31) Cyclohexane	5.369	56	5539	0.969	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	21527	4.944	ug/l #	49
38) Carbon Tetrachloride	5.372	117	23148	6.144	ug/l #	15
41) Methacrylonitrile	5.092	41	1500	0.506	ug/l #	31
43) Isopropyl Acetate	5.993	43	3186	0.368	ug/l #	61
51) 4-Methyl-2-Pentanone	7.902	43	2429	0.385	ug/l #	1
52) Toluene	7.973	92	3729	0.459	ug/l	97
60) Dibromochloromethane	8.552	129	20	2.182	ug/l #	10
67) Ethyl Benzene	9.578	91	7704	0.507	ug/l	97
68) m/p-Xylenes	9.703	106	12710	2.153	ug/l	97
69) o-Xylene	10.115	106	3874	0.661	ug/l	98
76) 1,2,3-Trichloropropane	10.648	75	99253	18.613	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.648	75	99253	51.653	ug/l #	9
95) Naphthalene	14.092	128	10076	0.747	ug/l	97

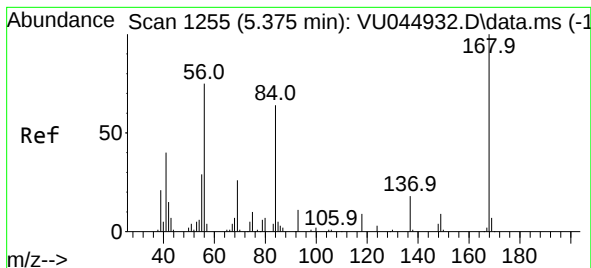
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Title : SW846 8260
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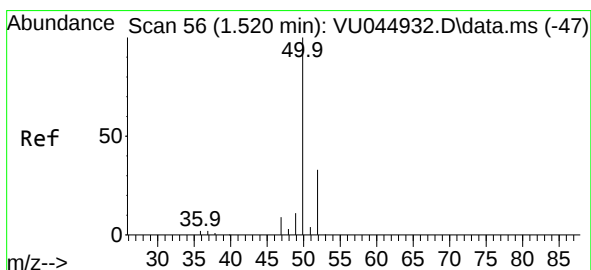
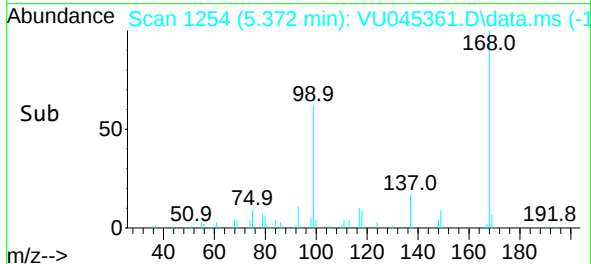
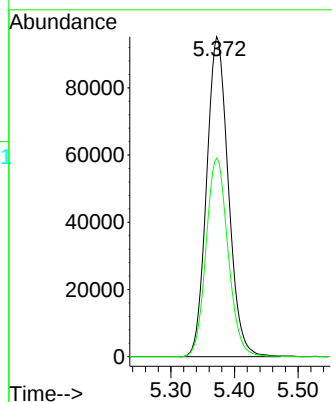
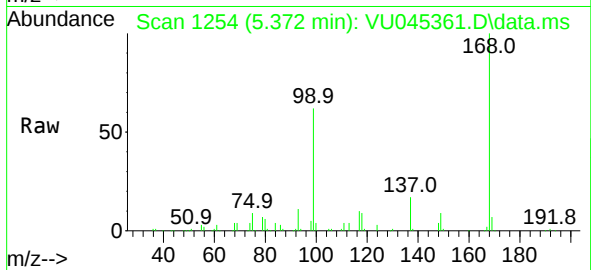




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.003 min
Lab File: VU045361.D
Acq: 22 Oct 2021 13:49

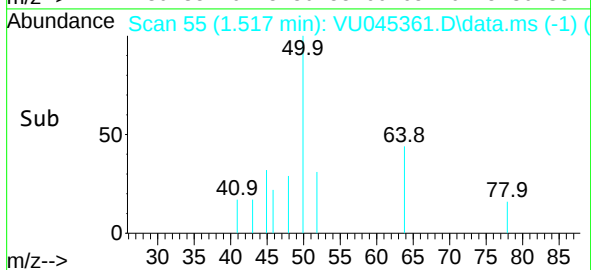
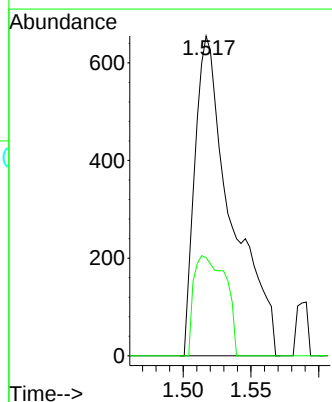
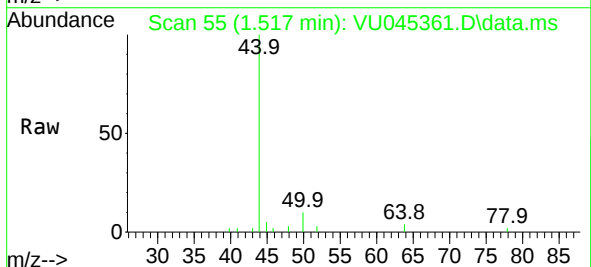
Instrument :
MSVOA_U
ClientSampled :

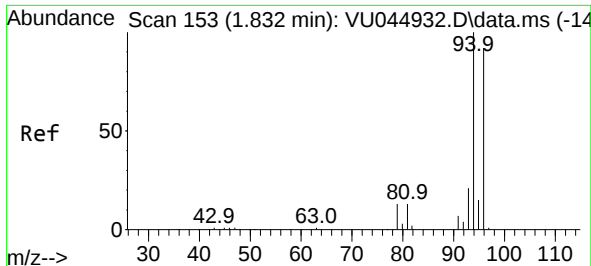
Tgt Ion:168 Resp: 225950
Ion Ratio Lower Upper
168 100
99 62.1 51.4 77.0



#3
Chloromethane
Concen: 0.338 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU045361.D
Acq: 22 Oct 2021 13:49

Tgt Ion: 50 Resp: 1225
Ion Ratio Lower Upper
50 100
52 30.7 26.3 39.5

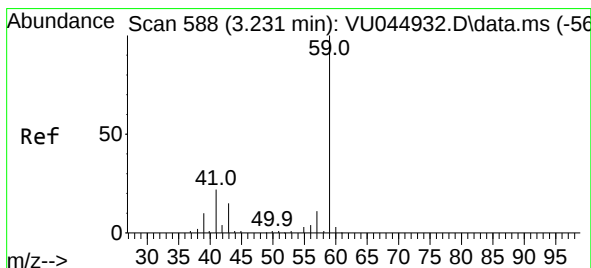
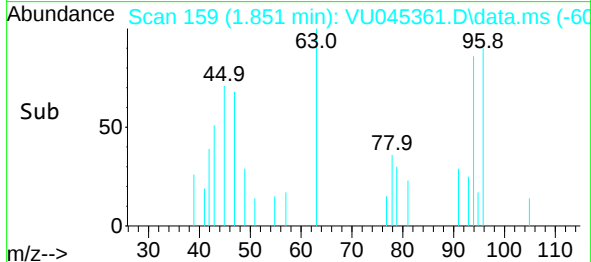
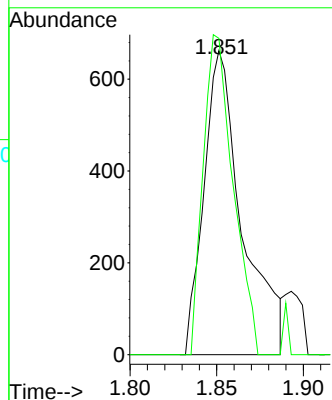
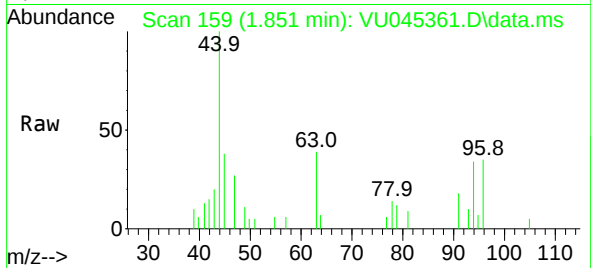




#5
Bromomethane
Concen: 0.717 ug/l
RT: 1.851 min Scan# 159
Delta R.T. 0.019 min
Lab File: VU045361.D
Acq: 22 Oct 2021 13:49

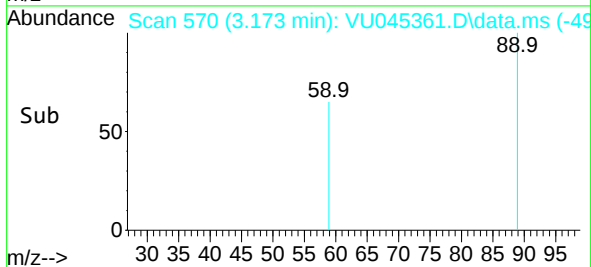
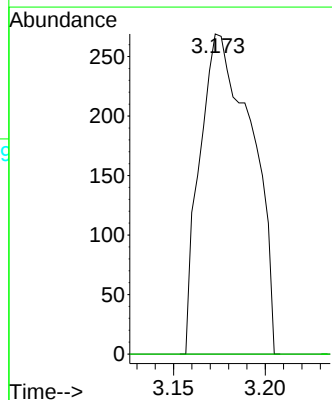
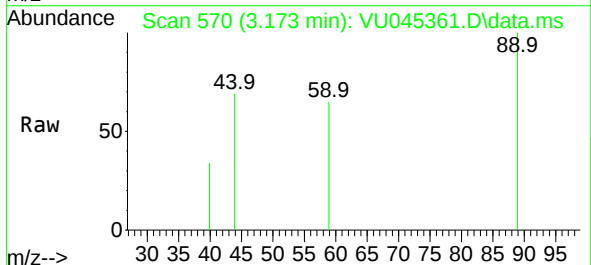
Instrument :
MSVOA_U
ClientSampleId :

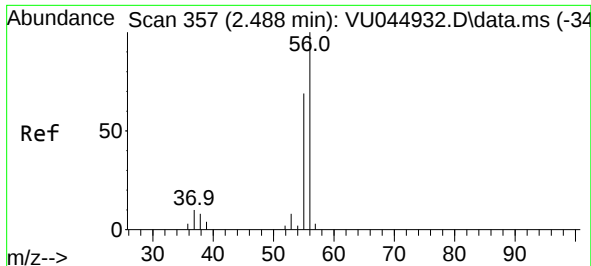
Tgt Ion: 94 Resp: 1018
Ion Ratio Lower Upper
94 100
96 104.1 74.5 111.7



#11
Tert butyl alcohol
Concen: 0.490 ug/l
RT: 3.173 min Scan# 570
Delta R.T. -0.058 min
Lab File: VU045361.D
Acq: 22 Oct 2021 13:49

Tgt Ion: 59 Resp: 529
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

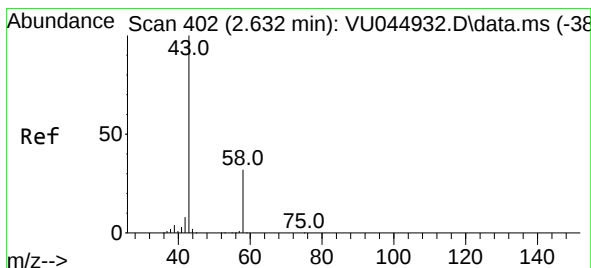
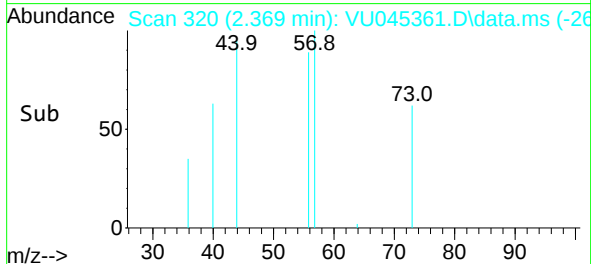
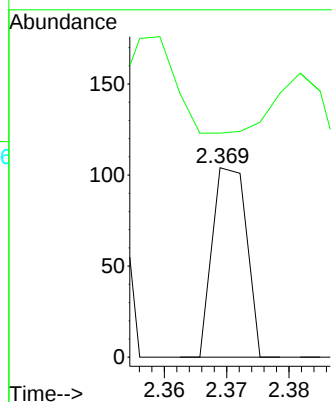
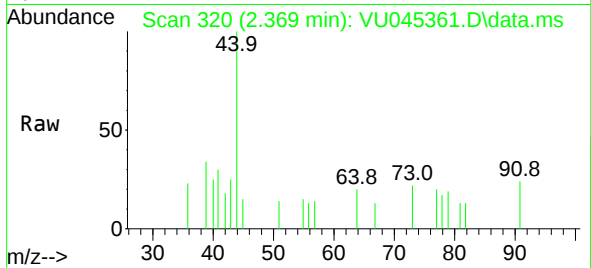




#13
Acrolein
Concen: 3.312 ug/l
RT: 2.369 min Scan# 320
Delta R.T. -0.119 min
Lab File: VU045361.D
Acq: 22 Oct 2021 13:49

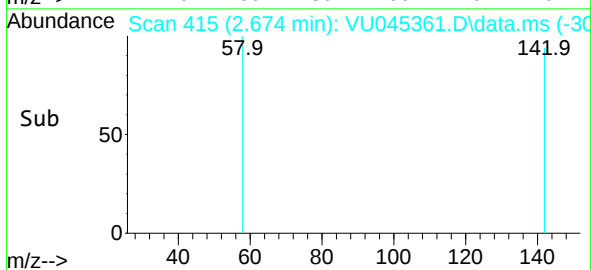
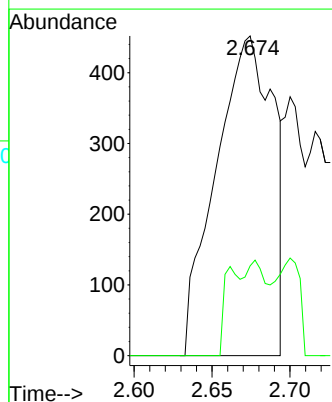
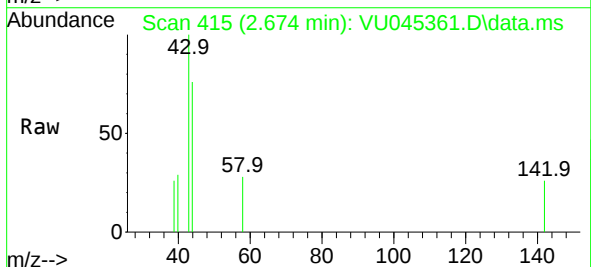
Instrument :
MSVOA_U
ClientSampled :

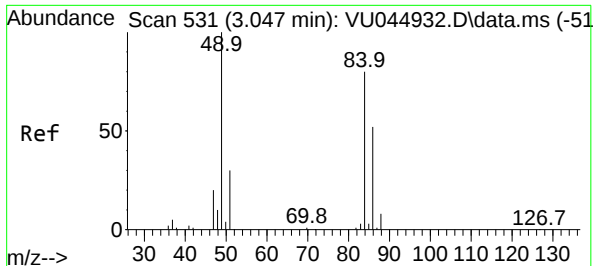
Tgt Ion: 56 Resp: 40
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 0.517 ug/l
RT: 2.674 min Scan# 415
Delta R.T. 0.042 min
Lab File: VU045361.D
Acq: 22 Oct 2021 13:49

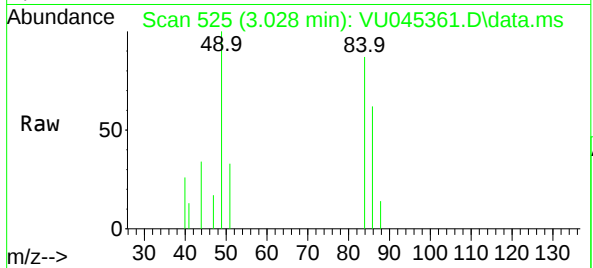
Tgt Ion: 43 Resp: 1154
Ion Ratio Lower Upper
43 100
58 28.1 25.2 37.8



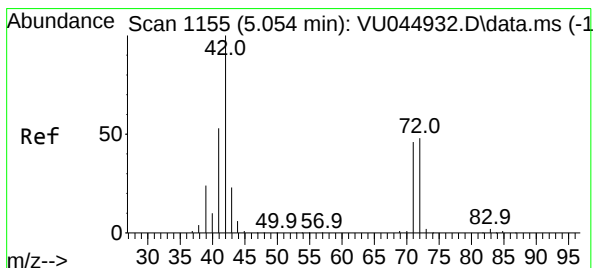
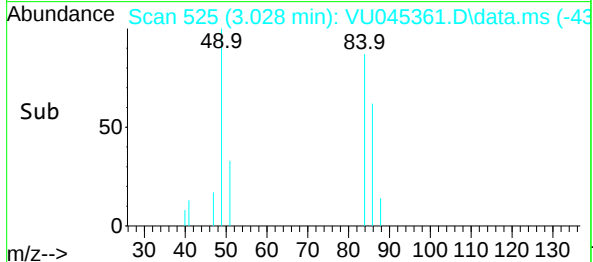
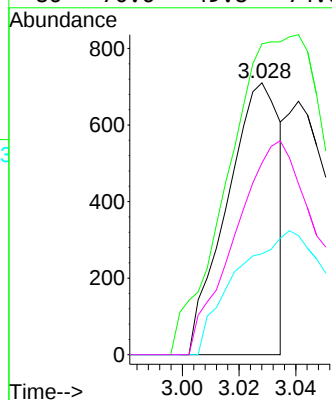


#20
Methylene Chloride
Concen: 0.273 ug/l
RT: 3.028 min Scan# 525
Delta R.T. -0.019 min
Lab File: VU045361.D
Acq: 22 Oct 2021 13:49

Instrument :
MSVOA_U
ClientSampled :

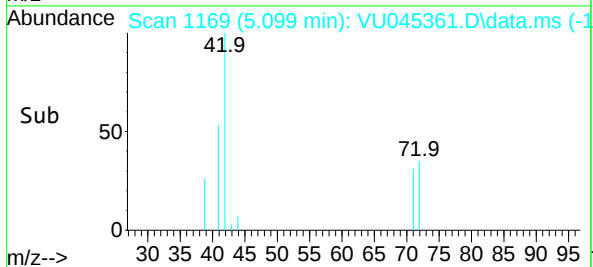
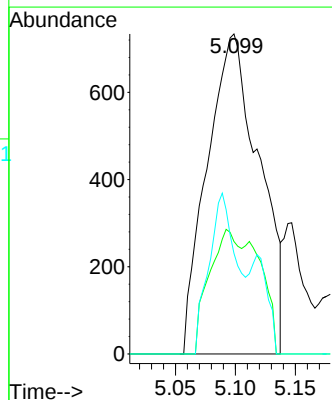
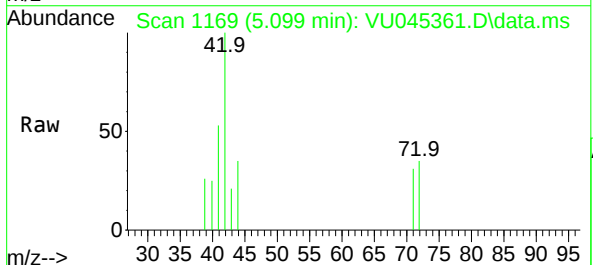


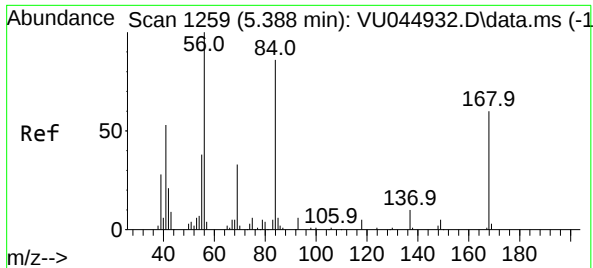
Tgt Ion:	84	Resp:	918
Ion	Ratio	Lower	Upper
84	100		
49	98.7	104.9	157.3#
51	37.2	31.8	47.8
86	70.6	49.8	74.6



#29
Tetrahydrofuran
Concen: 1.179 ug/l
RT: 5.099 min Scan# 1169
Delta R.T. 0.045 min
Lab File: VU045361.D
Acq: 22 Oct 2021 13:49

Tgt Ion:	42	Resp:	2226
Ion	Ratio	Lower	Upper
42	100		
72	22.9	36.2	54.4#
71	26.5	34.1	51.1#

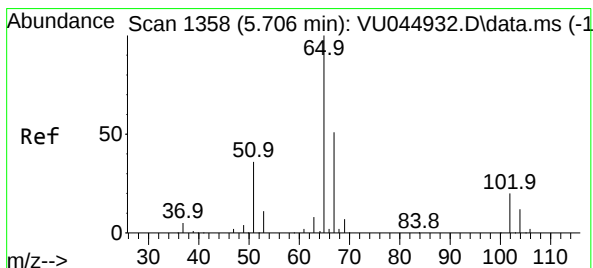
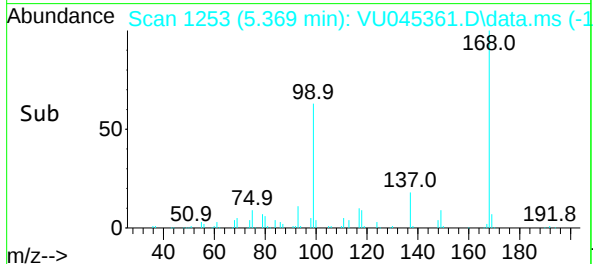
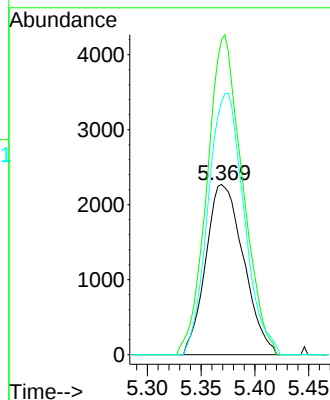
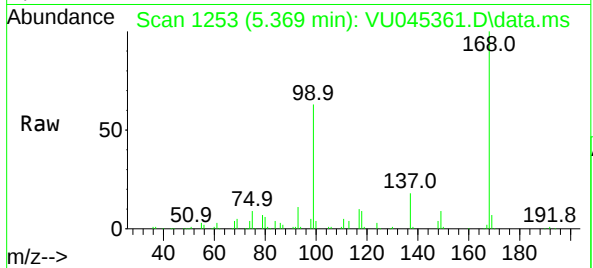




#31
Cyclohexane
Concen: 0.969 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.019 min
Lab File: VU045361.D
Acq: 22 Oct 2021 13:49

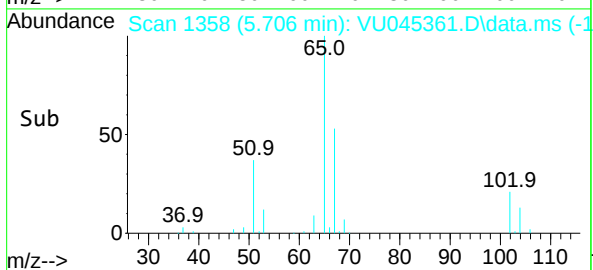
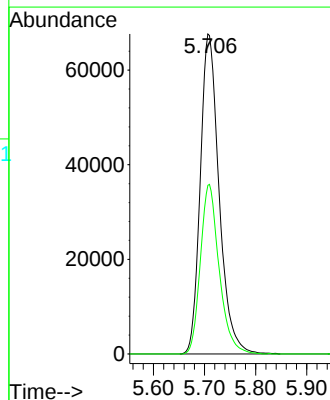
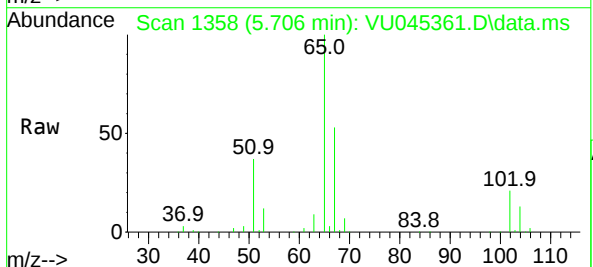
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MSVOA_U
ClientSampleId :

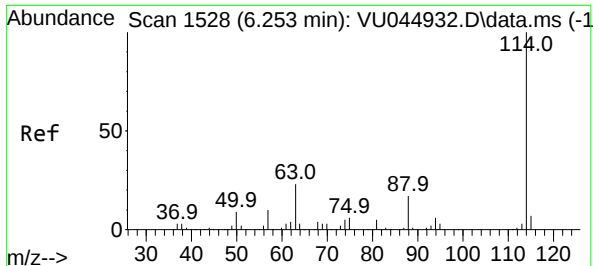
Tgt Ion: 56 Resp: 5539
Ion Ratio Lower Upper
56 100
69 184.8 25.2 37.8#
84 148.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 45.997 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VU045361.D
Acq: 22 Oct 2021 13:49

Tgt Ion: 65 Resp: 173006
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. -0.003 min

Lab File: VU045361.D

Acq: 22 Oct 2021 13:49

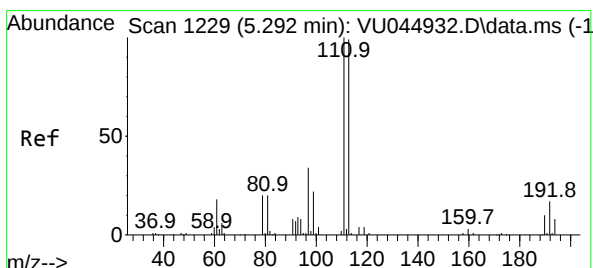
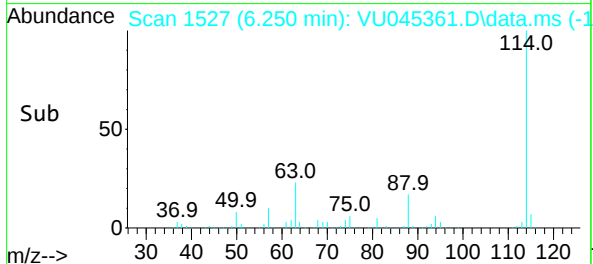
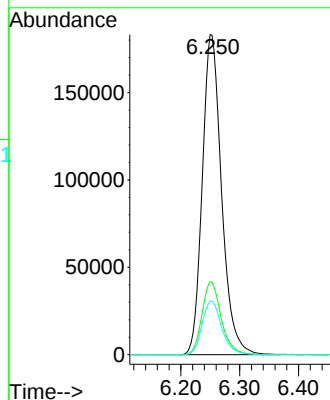
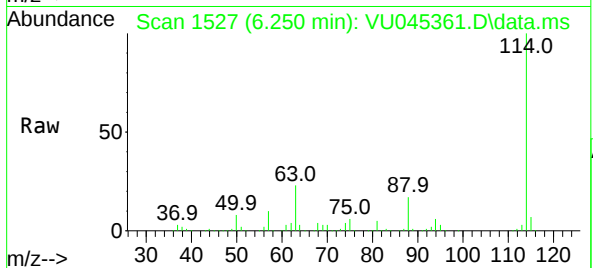
Tgt Ion:114 Resp: 416336

Ion Ratio Lower Upper

114 100

63 22.8 0.0 47.8

88 16.8 0.0 32.8



#35

Dibromofluoromethane

Concen: 46.242 ug/l

RT: 5.304 min Scan# 1233

Delta R.T. 0.012 min

Lab File: VU045361.D

Acq: 22 Oct 2021 13:49

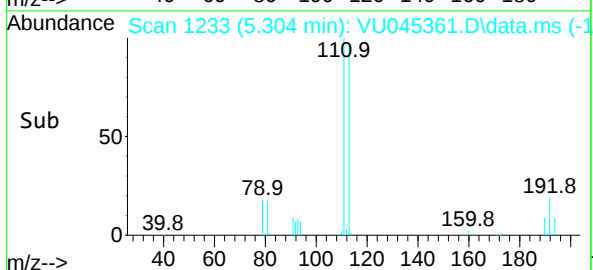
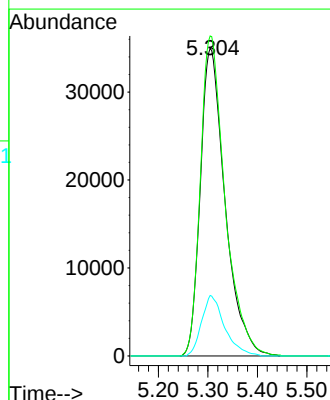
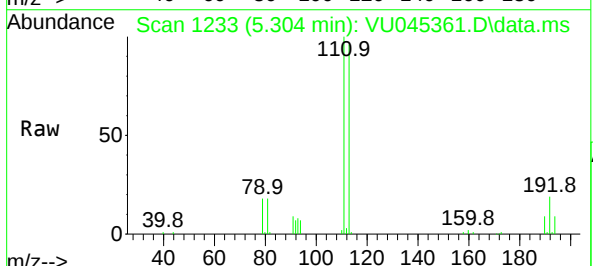
Tgt Ion:113 Resp: 121449

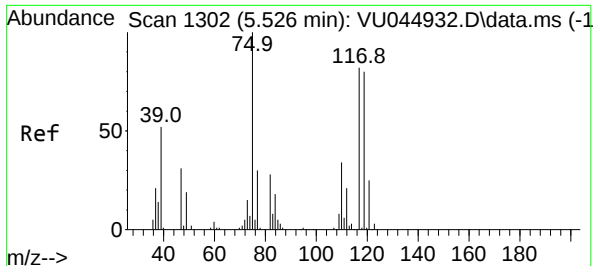
Ion Ratio Lower Upper

113 100

111 103.7 84.1 126.1

192 18.4 14.8 22.2



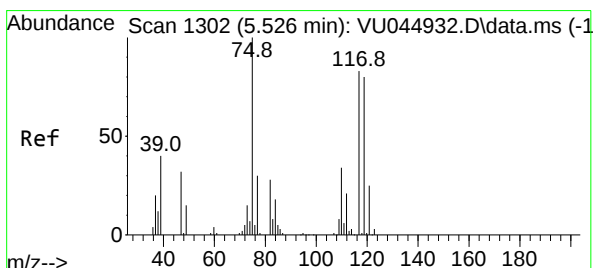
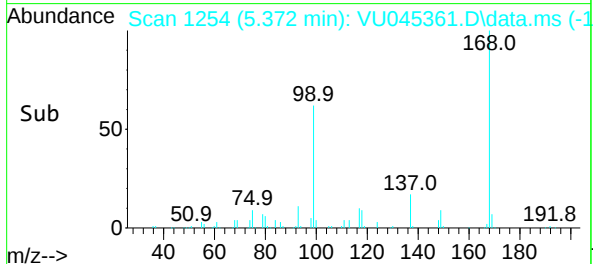
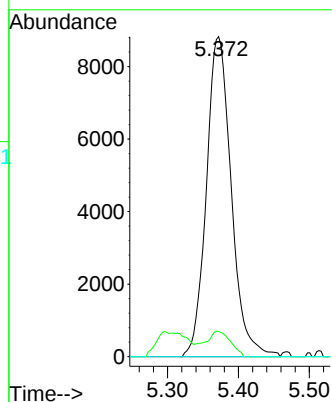
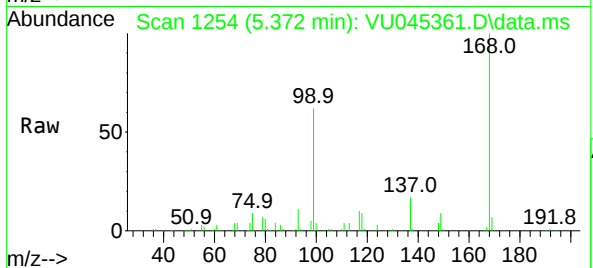


#36

1,1-Dichloropropene
Concen: 4.944 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU045361.D
Acq: 22 Oct 2021 13:49

Instrument :
MSVOA_U
ClientSampled :

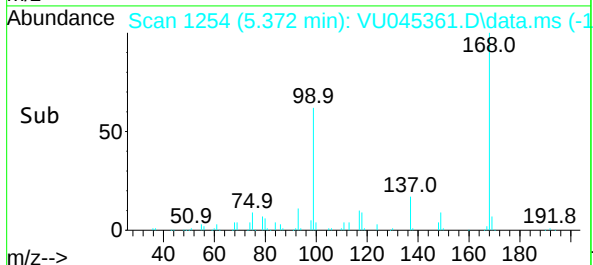
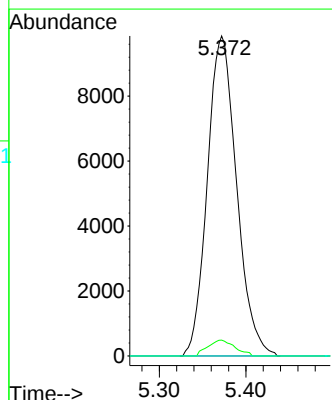
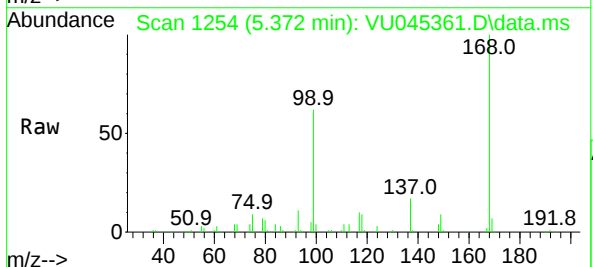
Tgt Ion: 75 Resp: 21527
Ion Ratio Lower Upper
75 100
110 6.7 16.3 48.9#
77 0.0 25.0 37.4#

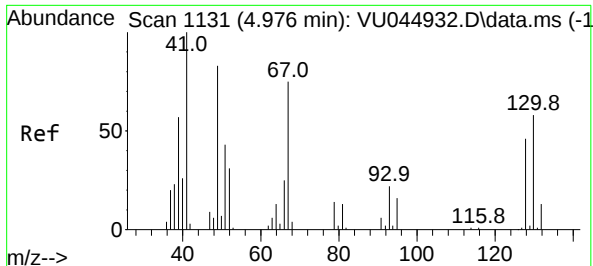


#38

Carbon Tetrachloride
Concen: 6.144 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU045361.D
Acq: 22 Oct 2021 13:49

Tgt Ion: 117 Resp: 23148
Ion Ratio Lower Upper
117 100
119 5.0 77.4 116.2#
121 0.0 24.5 36.7#

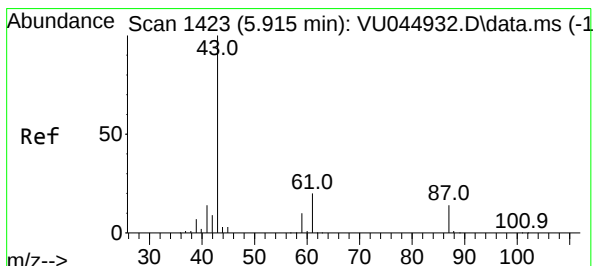
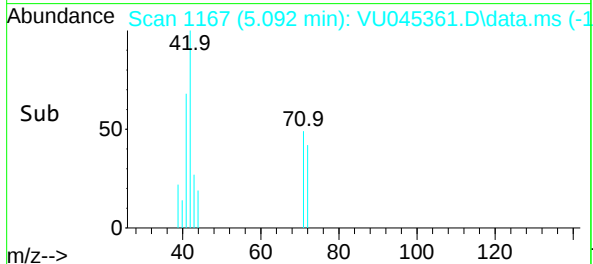
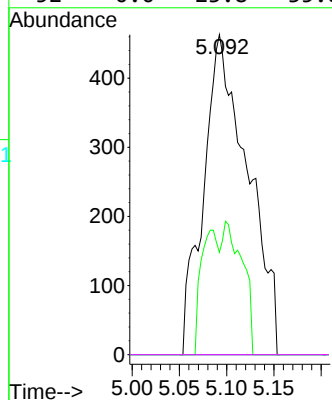
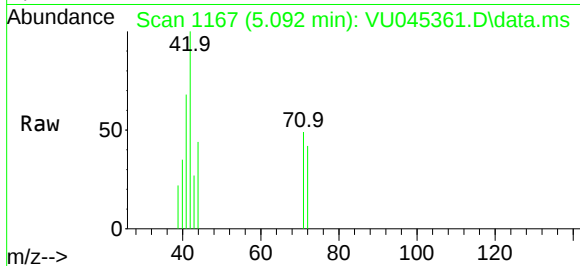




#41
Methacrylonitrile
Concen: 0.506 ug/l
RT: 5.092 min Scan# 1167
Delta R.T. 0.116 min
Lab File: VU045361.D
Acq: 22 Oct 2021 13:49

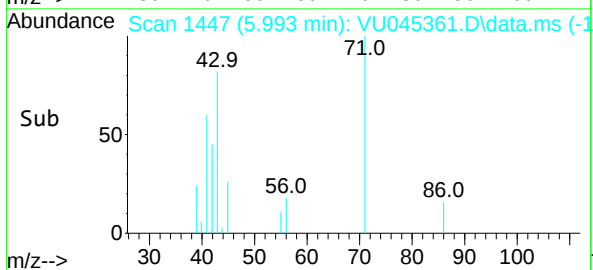
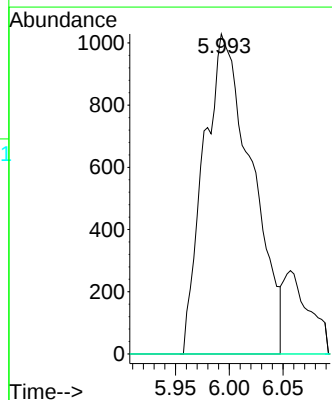
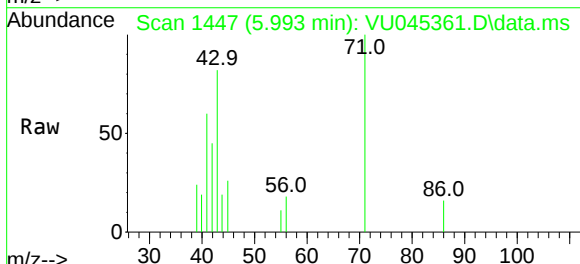
Instrument :
MSVOA_U
ClientSampled :

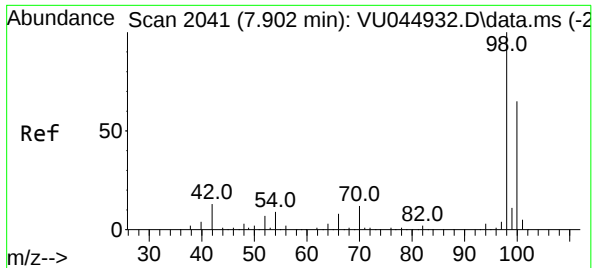
Tgt Ion:	41	Resp:	1500
Ion	Ratio	Lower	Upper
41	100		
39	15.9	44.4	66.6#
67	0.0	58.1	87.1#
52	0.0	23.8	35.8#



#43
Isopropyl Acetate
Concen: 0.368 ug/l
RT: 5.993 min Scan# 1447
Delta R.T. 0.078 min
Lab File: VU045361.D
Acq: 22 Oct 2021 13:49

Tgt Ion:	43	Resp:	3186
Ion	Ratio	Lower	Upper
43	100		
61	0.0	16.1	24.1#
87	0.0	10.3	15.5#

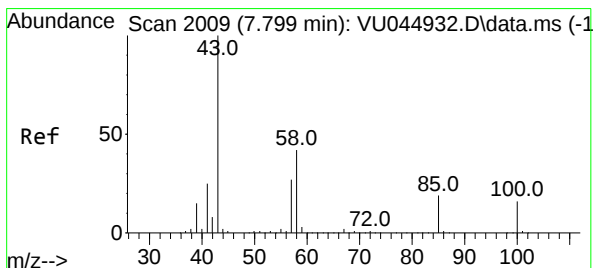
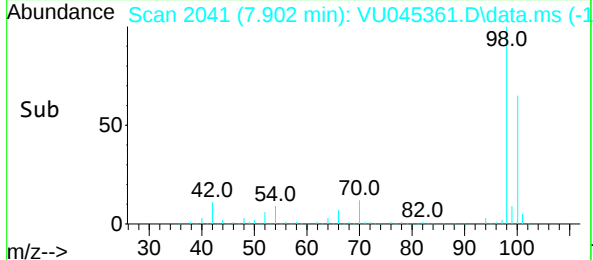
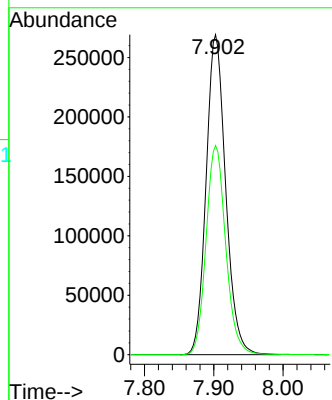
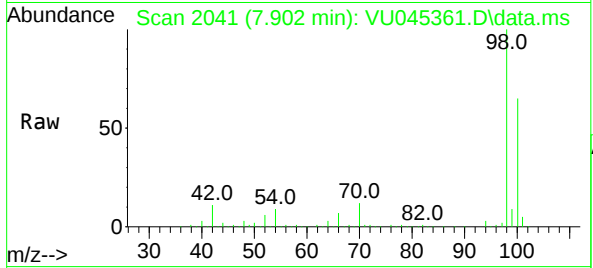




#50
Toluene-d8
Concen: 50.823 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VU045361.D
Acq: 22 Oct 2021 13:49

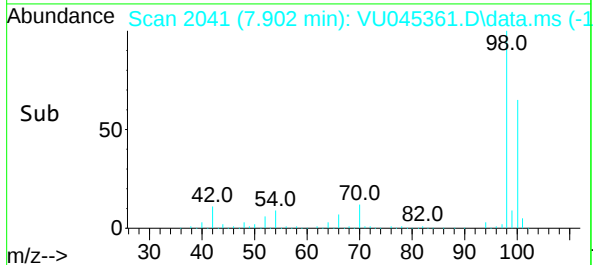
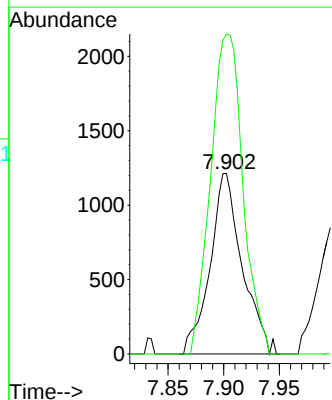
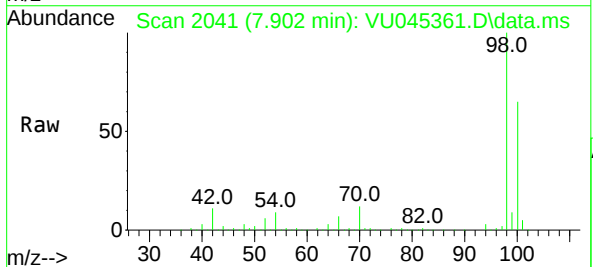
Instrument :
MSVOA_U
ClientSampled :

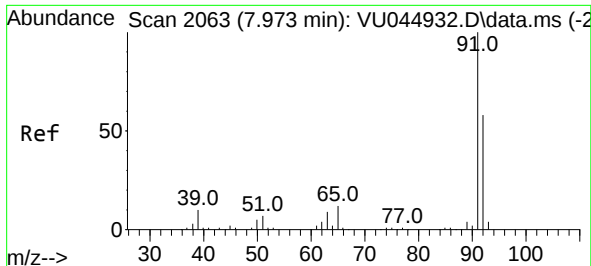
Tgt Ion: 98 Resp: 527404
Ion Ratio Lower Upper
98 100
100 65.8 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.385 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. 0.103 min
Lab File: VU045361.D
Acq: 22 Oct 2021 13:49

Tgt Ion: 43 Resp: 2429
Ion Ratio Lower Upper
43 100
58 179.2 32.4 48.6#

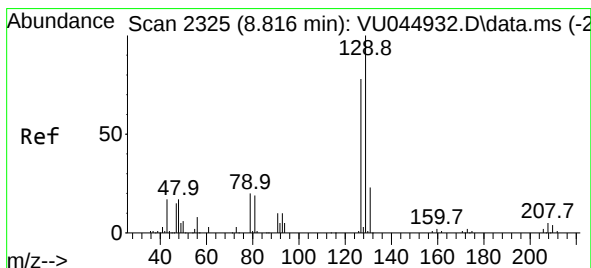
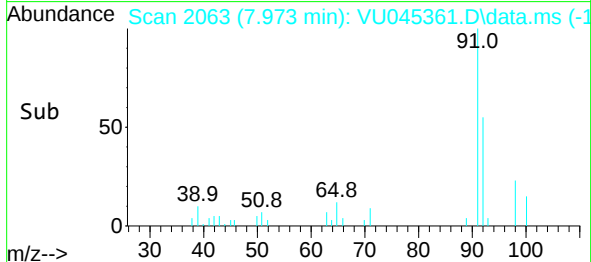
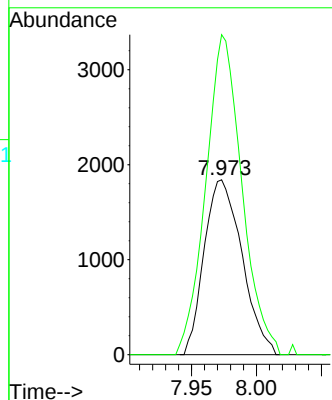
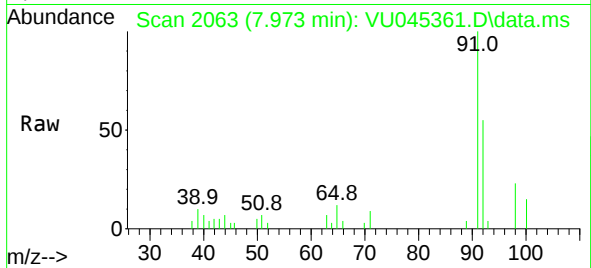




#52
Toluene
Concen: 0.459 ug/l
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU045361.D
Acq: 22 Oct 2021 13:49

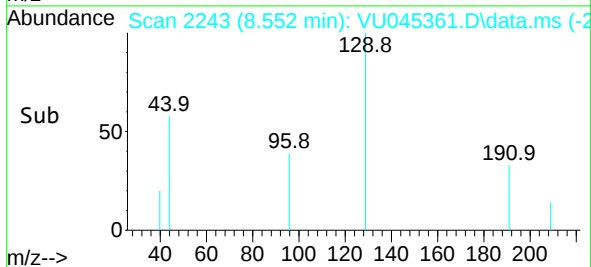
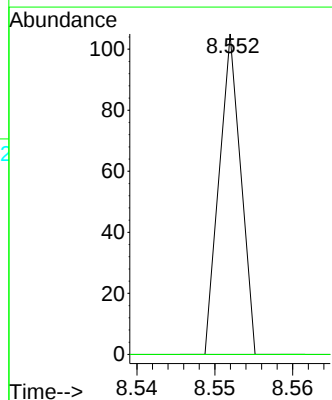
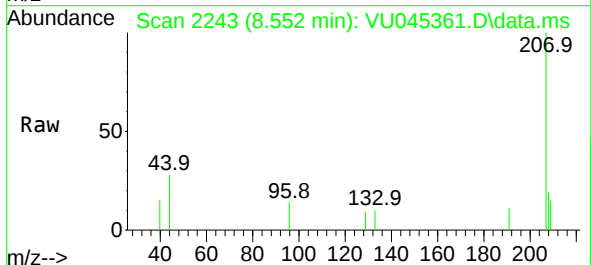
Instrument :
MSVOA_U
ClientSampled :

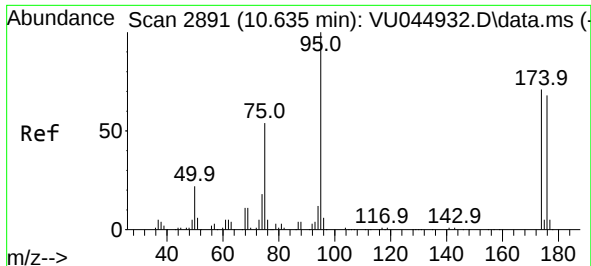
Tgt Ion: 92 Resp: 3729
Ion Ratio Lower Upper
92 100
91 174.6 136.9 205.3



#60
Dibromochloromethane
Concen: 2.182 ug/l
RT: 8.552 min Scan# 2243
Delta R.T. -0.264 min
Lab File: VU045361.D
Acq: 22 Oct 2021 13:49

Tgt Ion: 129 Resp: 20
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#

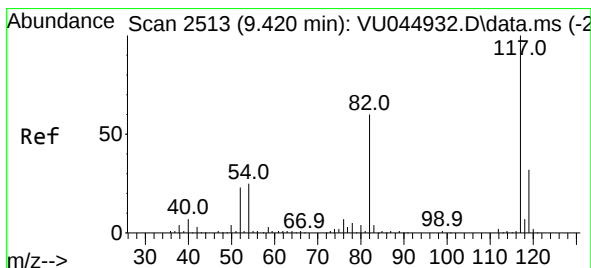
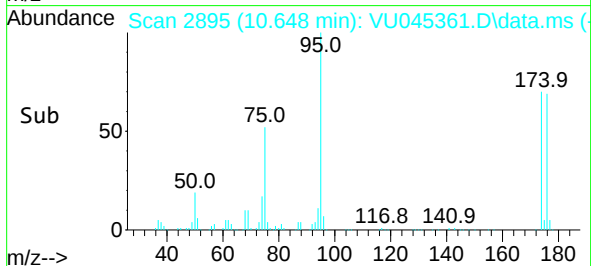
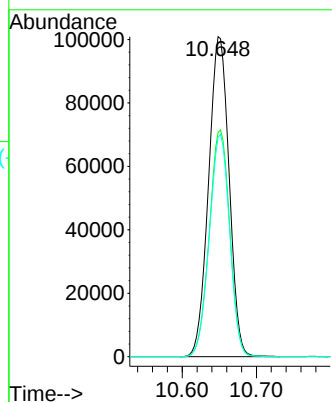
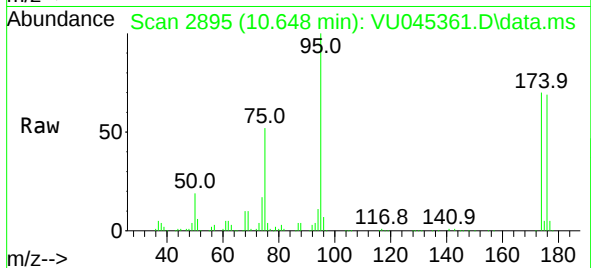




#62
4-Bromofluorobenzene
Concen: 45.158 ug/l
RT: 10.648 min Scan# 2895
Delta R.T. 0.013 min
Lab File: VU045361.D
Acq: 22 Oct 2021 13:49

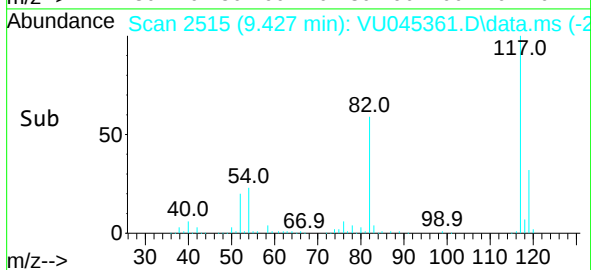
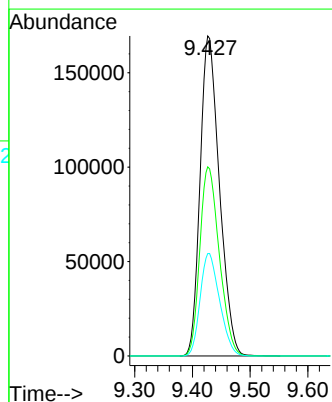
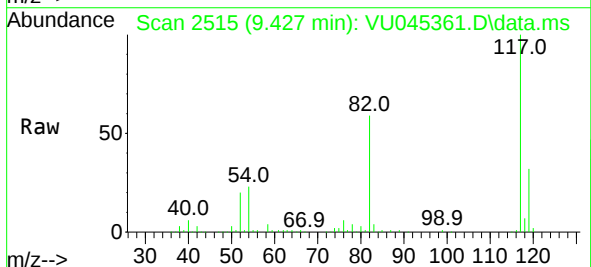
Instrument :
MSVOA_U
ClientSampleId :

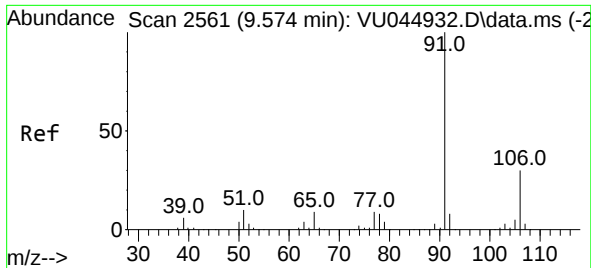
Tgt Ion: 95 Resp: 193469
Ion Ratio Lower Upper
95 100
174 70.7 0.0 146.6
176 68.6 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.427 min Scan# 2515
Delta R.T. 0.007 min
Lab File: VU045361.D
Acq: 22 Oct 2021 13:49

Tgt Ion: 117 Resp: 393867
Ion Ratio Lower Upper
117 100
82 59.1 47.8 71.8
119 32.0 25.8 38.6

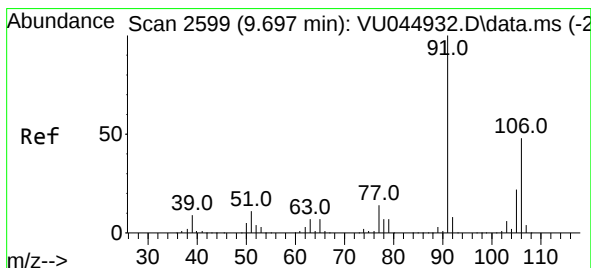
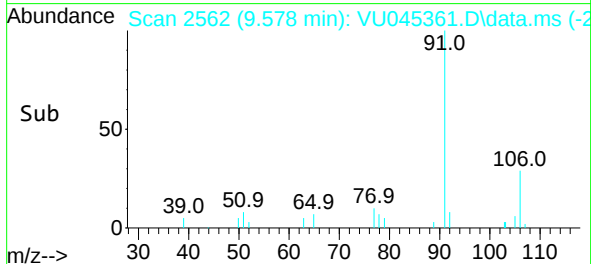
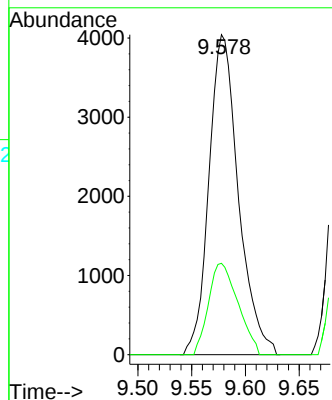
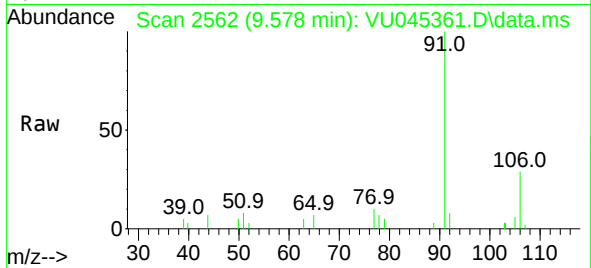




#67
Ethyl Benzene
Concen: 0.507 ug/l
RT: 9.578 min Scan# 2562
Delta R.T. 0.004 min
Lab File: VU045361.D
Acq: 22 Oct 2021 13:49

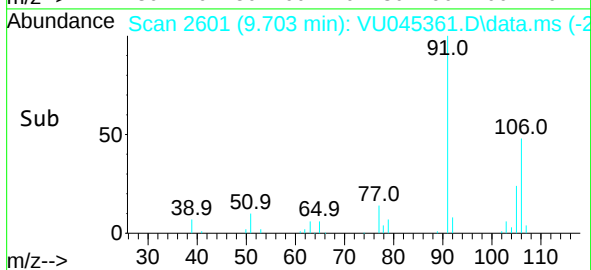
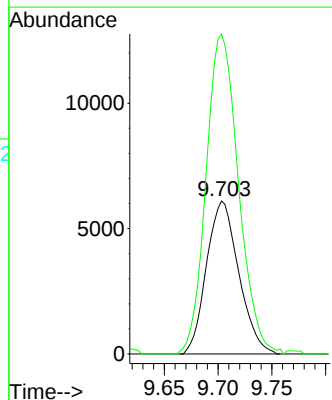
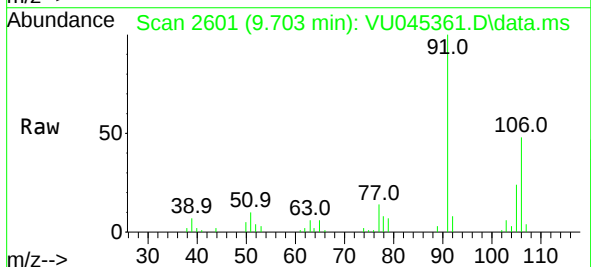
Instrument :
MSVOA_U
ClientSampled :

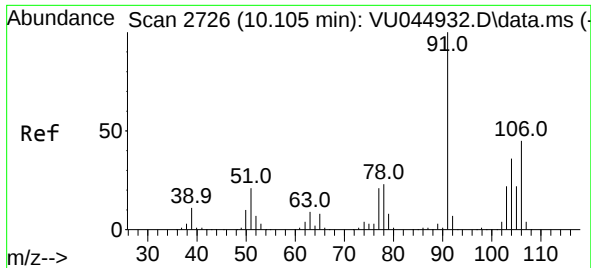
Tgt Ion: 91 Resp: 7704
Ion Ratio Lower Upper
91 100
106 28.6 24.3 36.5



#68
m/p-Xylenes
Concen: 2.153 ug/l
RT: 9.703 min Scan# 2601
Delta R.T. 0.006 min
Lab File: VU045361.D
Acq: 22 Oct 2021 13:49

Tgt Ion: 106 Resp: 12710
Ion Ratio Lower Upper
106 100
91 210.2 164.2 246.2

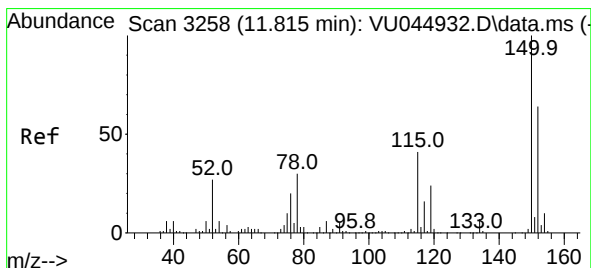
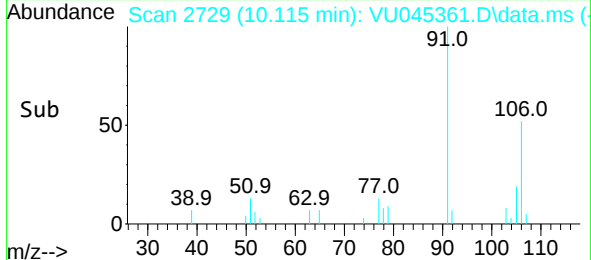
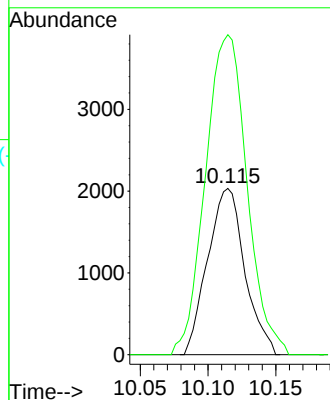
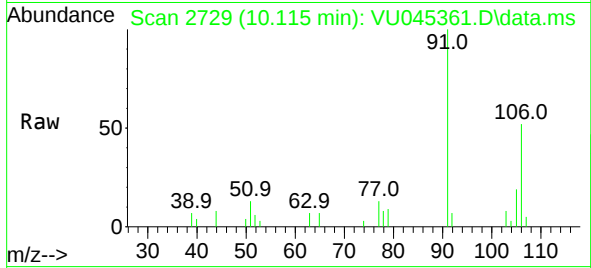




#69
o-Xylene
Concen: 0.661 ug/l
RT: 10.115 min Scan# 2729
Delta R.T. 0.010 min
Lab File: VU045361.D
Acq: 22 Oct 2021 13:49

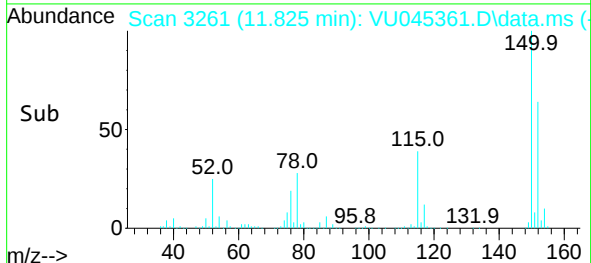
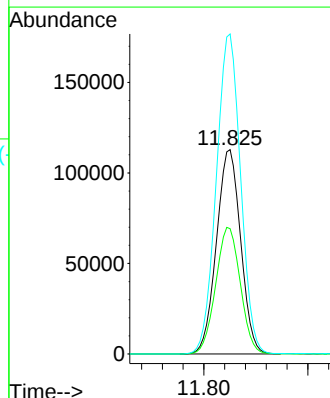
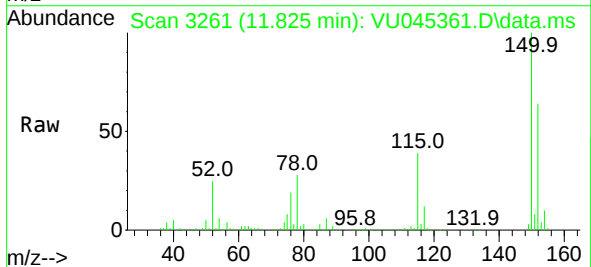
Instrument :
MSVOA_U
ClientSampled :

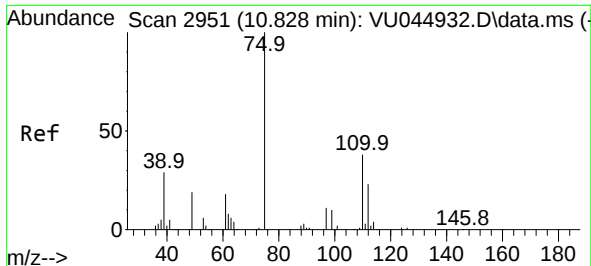
Tgt Ion:106 Resp: 3874
Ion Ratio Lower Upper
106 100
91 215.2 108.9 326.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.825 min Scan# 3261
Delta R.T. 0.010 min
Lab File: VU045361.D
Acq: 22 Oct 2021 13:49

Tgt Ion:152 Resp: 182822
Ion Ratio Lower Upper
152 100
115 62.9 43.5 130.7
150 157.1 0.0 350.0

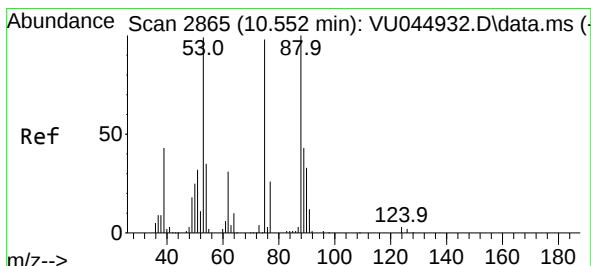
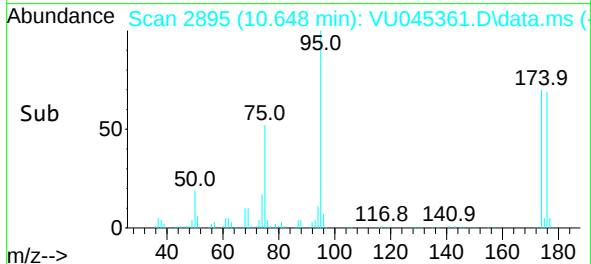
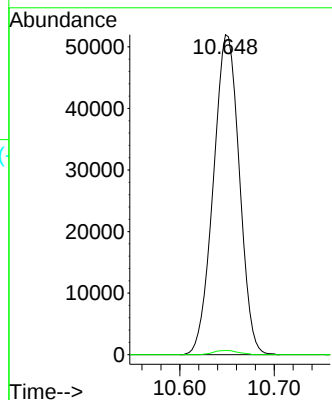
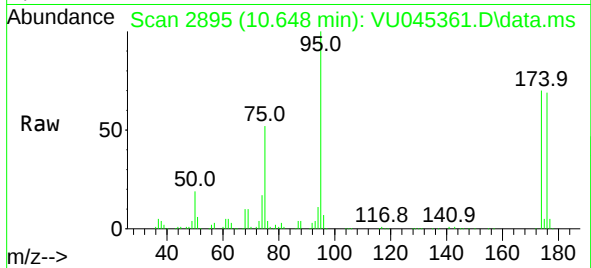




#76
1,2,3-Trichloropropane
Concen: 18.613 ug/l
RT: 10.648 min Scan# 2895
Delta R.T. -0.180 min
Lab File: VU045361.D
Acq: 22 Oct 2021 13:49

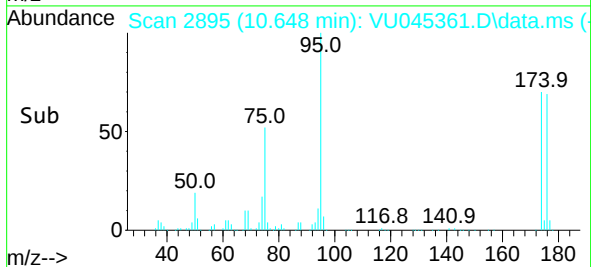
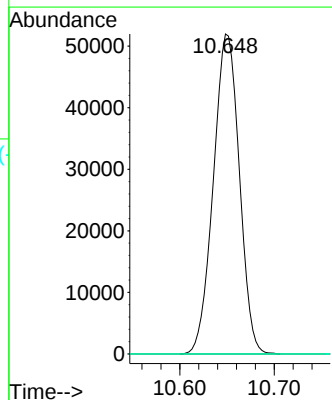
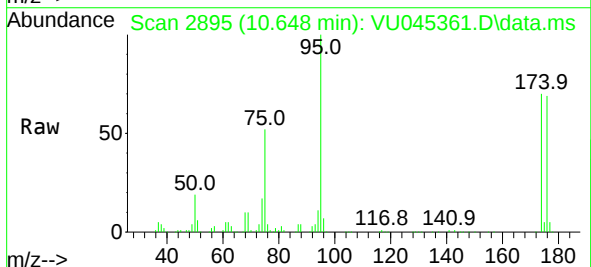
Instrument :
MSVOA_U
ClientSampled :

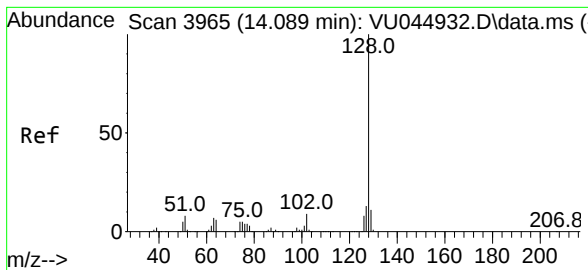
Tgt Ion: 75 Resp: 99253
Ion Ratio Lower Upper
75 100
77 1.3 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 51.653 ug/l
RT: 10.648 min Scan# 2895
Delta R.T. 0.096 min
Lab File: VU045361.D
Acq: 22 Oct 2021 13:49

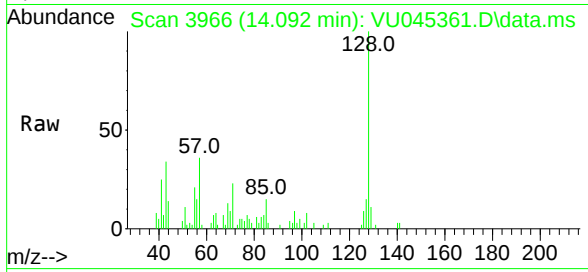
Tgt Ion: 75 Resp: 99253
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#





#95
Naphthalene
Concen: 0.747 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU045361.D
Acq: 22 Oct 2021 13:49

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	128	Resp:	10076
Ion Ratio	Lower	Upper	
128	100		
127	14.7	10.4	15.6
129	11.2	8.6	13.0

