

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU033121\
 Data File : VU042855.D
 Acq On : 31 Mar 2021 14:22
 Operator : SY/MD
 Sample : M1836-15 10X
 Misc : 8.11g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 B7-0-2

Quant Time: Apr 01 04:41:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U032421W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 25 05:42:00 2021
 Response via : Initial Calibration

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

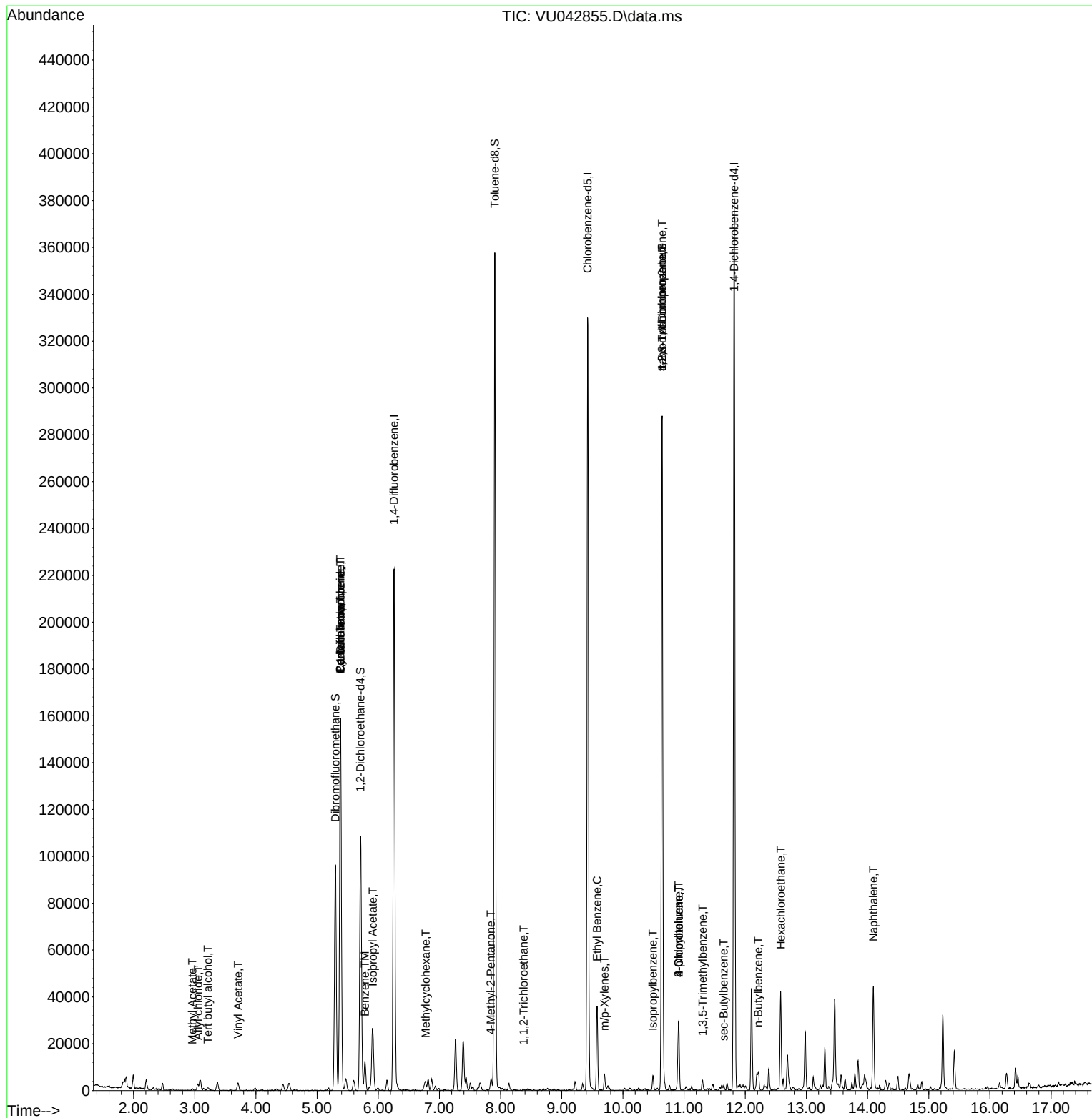
Internal Standards						
1) Pentafluorobenzene	5.382	168	106305	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.259	114	170810	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	168699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	91621	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	85352	50.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.74%	
35) Dibromofluoromethane	5.301	113	59183	46.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.86%	
50) Toluene-d8	7.906	98	217099	48.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.82%	
62) 4-Bromofluorobenzene	10.642	95	83226	47.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.50%	
Target Compounds						Qvalue
5) Bromomethane	1.854	94	141	Below Cal	#	79
6) Chloroethane	1.825	64	20	Below Cal	#	43
11) Tert butyl alcohol	3.214	59	1914	5.28	ug/l #	74
14) Allyl chloride	3.054	41	763	0.36	ug/l #	53
16) Acetone	2.645	43	776	Below Cal		91
18) Methyl Acetate	2.960	43	915	0.47	ug/l #	88
23) Vinyl Acetate	3.710	43	1158	0.29	ug/l #	76
31) Cyclohexane	5.382	56	4020	1.91	ug/l #	49
36) 1,1-Dichloropropene	5.382	75	9027	5.34	ug/l #	51
38) Carbon Tetrachloride	5.382	117	11086	5.75	ug/l #	16
39) Methylcyclohexane	6.774	83	1413	0.73	ug/l	90
40) Benzene	5.783	78	10183	2.01	ug/l	97
43) Isopropyl Acetate	5.912	43	5703	1.44	ug/l #	65
51) 4-Methyl-2-Pentanone	7.841	43	984	0.36	ug/l #	40
55) 1,1,2-Trichloroethane	8.378	97	340	0.26	ug/l #	15
67) Ethyl Benzene	9.578	91	23365	3.80	ug/l	96
68) m/p-Xylenes	9.700	106	1638	0.72	ug/l	78
73) Isopropylbenzene	10.491	105	4105	0.71	ug/l	92
76) 1,2,3-Trichloropropane	10.642	75	47685	20.47	ug/l #	37
78) n-propylbenzene	10.912	91	18405	2.70	ug/l	97
79) 2-Chlorotoluene	10.912	91	18405	4.47	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.304	105	3004	0.60	ug/l	70
81) trans-1,4-Dichloro-2-b...	10.642	75	47685	60.63	ug/l #	6
82) 4-Chlorotoluene	10.912	91	18405	3.74	ug/l #	46
85) sec-Butylbenzene	11.648	105	1530	0.27	ug/l	89
89) n-Butylbenzene	12.214	91	4998	1.02	ug/l #	79
90) Hexachloroethane	12.581	117	2495	2.53	ug/l #	6
95) Naphthalene	14.095	128	33713	7.72	ug/l	99

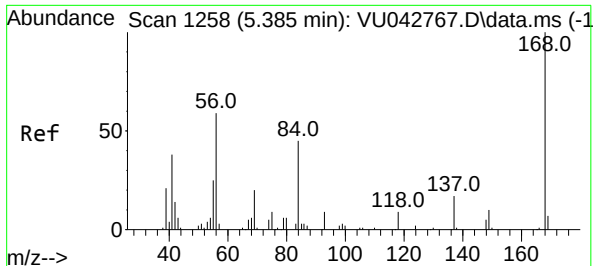
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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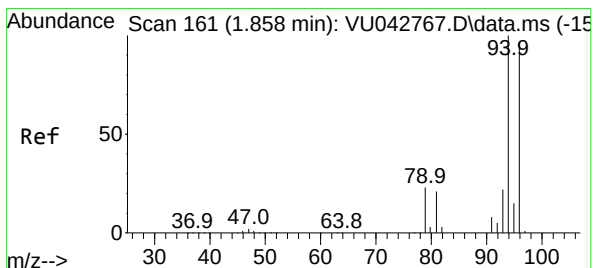
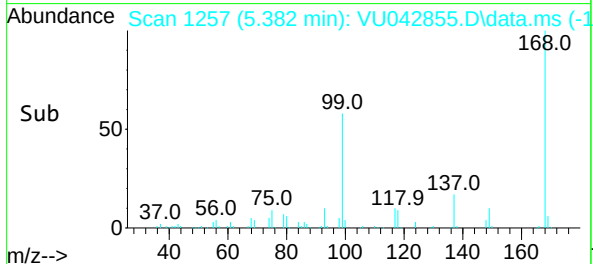
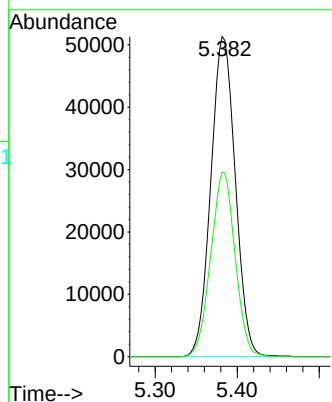
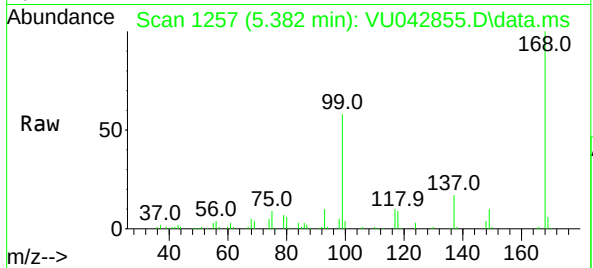




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.003 min
Lab File: VU042855.D
Acq: 31 Mar 2021 14:22

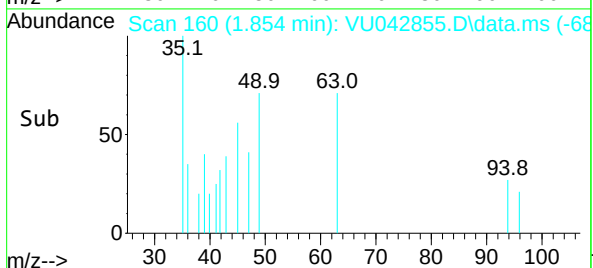
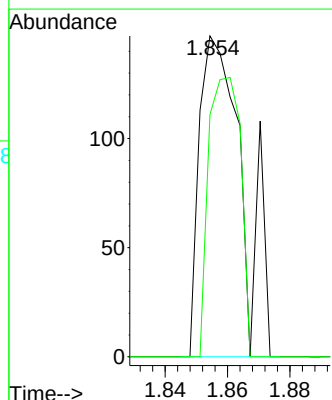
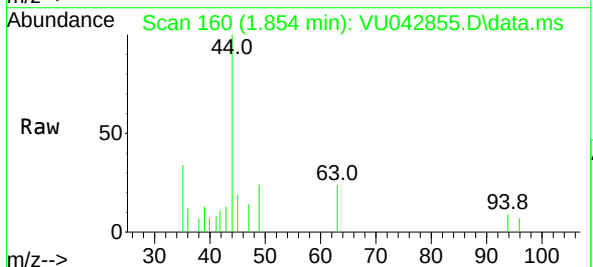
Instrument :
MSVOA_U
ClientSampleId :
B7-0-2

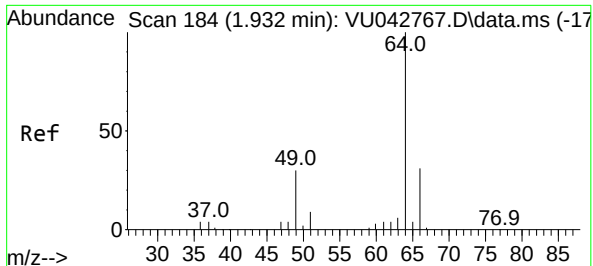
Tgt Ion:168 Resp: 106305
Ion Ratio Lower Upper
168 100
99 57.6 46.4 69.6



#5
Bromomethane
Concen: Below Cal
RT: 1.854 min Scan# 160
Delta R.T. -0.004 min
Lab File: VU042855.D
Acq: 31 Mar 2021 14:22

Tgt Ion: 94 Resp: 141
Ion Ratio Lower Upper
94 100
96 75.5 77.1 115.7#

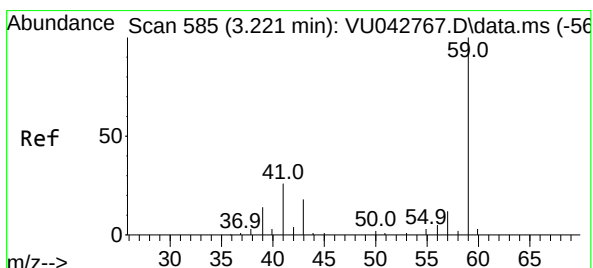
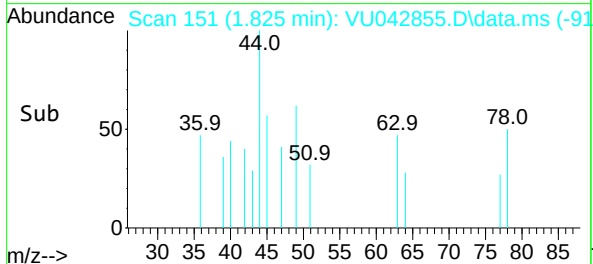
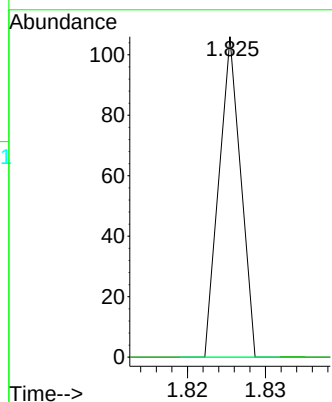
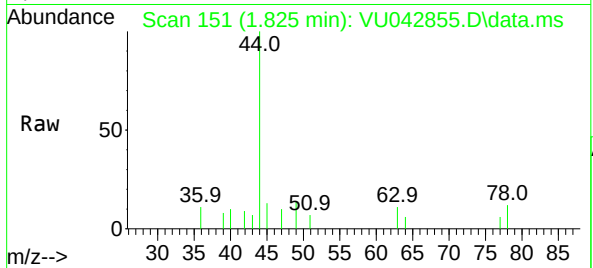




#6
Chloroethane
Concen: Below Cal
RT: 1.825 min Scan# 151
Delta R.T. -0.107 min
Lab File: VU042855.D
Acq: 31 Mar 2021 14:22

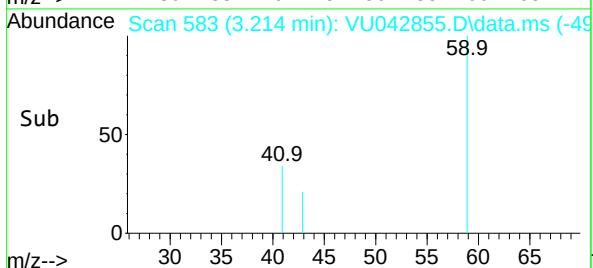
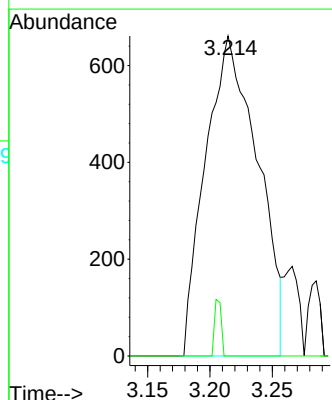
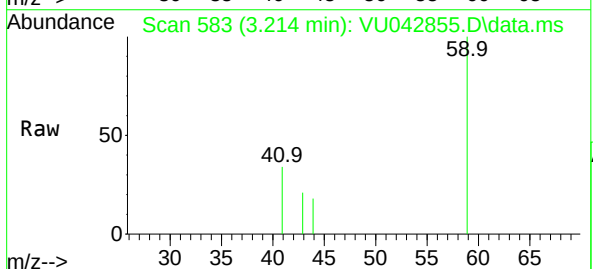
Instrument :
MSVOA_U
ClientSampleId :
B7-0-2

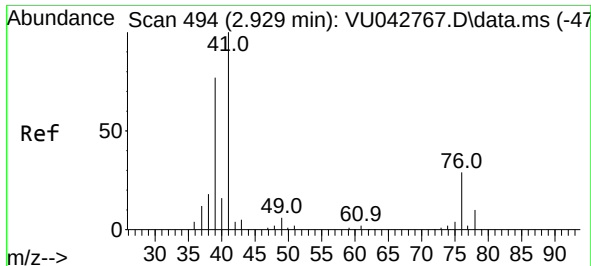
Tgt Ion: 64 Resp: 20
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#



#11
Tert butyl alcohol
Concen: 5.28 ug/l
RT: 3.214 min Scan# 583
Delta R.T. -0.007 min
Lab File: VU042855.D
Acq: 31 Mar 2021 14:22

Tgt Ion: 59 Resp: 1914
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

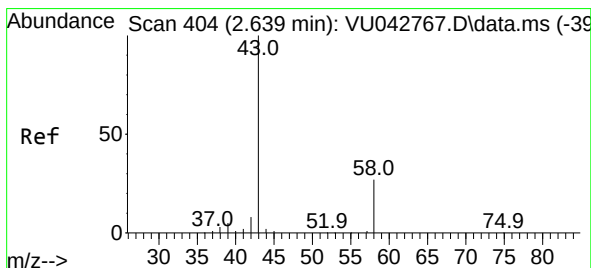
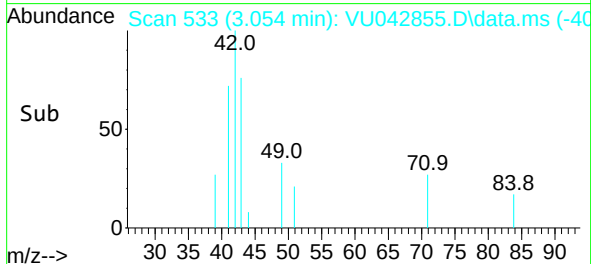
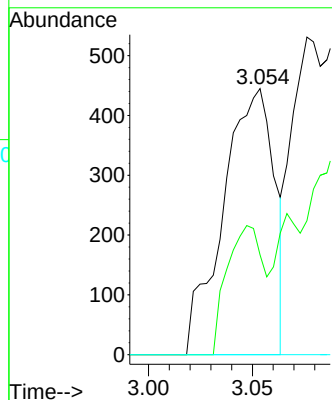
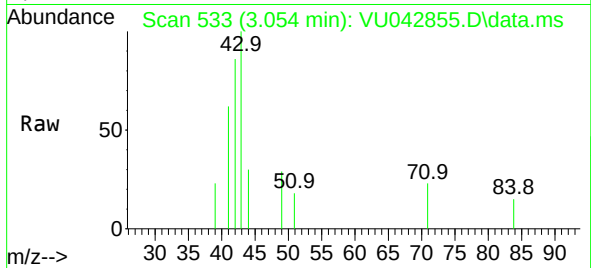




#14
 Allyl chloride
 Concen: 0.36 ug/l
 RT: 3.054 min Scan# 533
 Delta R.T. 0.125 min
 Lab File: VU042855.D
 Acq: 31 Mar 2021 14:22

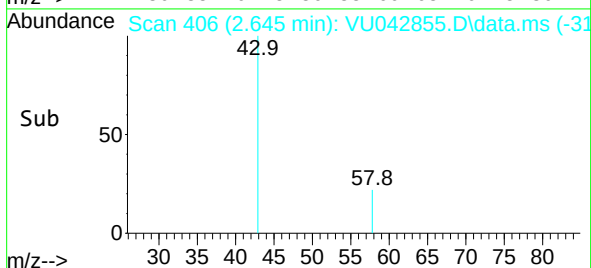
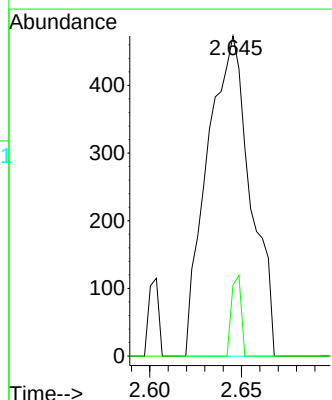
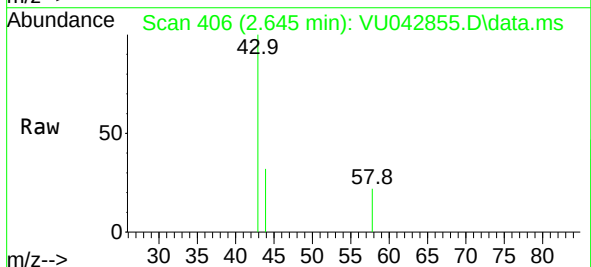
Instrument :
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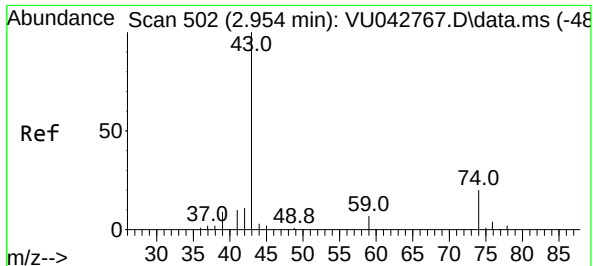
Tgt Ion: 41 Resp: 763
 Ion Ratio Lower Upper
 41 100
 39 34.1 57.4 86.2#
 76 0.0 22.0 33.0#



#16
 Acetone
 Concen: Below Cal
 RT: 2.645 min Scan# 406
 Delta R.T. 0.006 min
 Lab File: VU042855.D
 Acq: 31 Mar 2021 14:22

Tgt Ion: 43 Resp: 776
 Ion Ratio Lower Upper
 43 100
 58 22.2 21.6 32.4

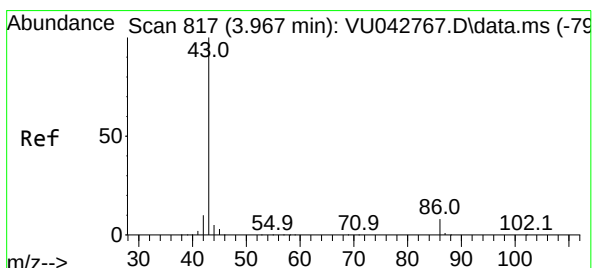
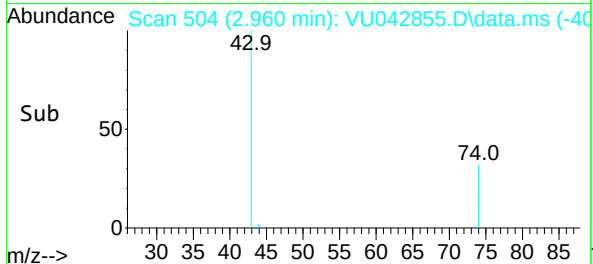
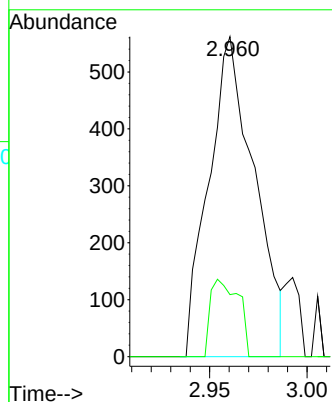
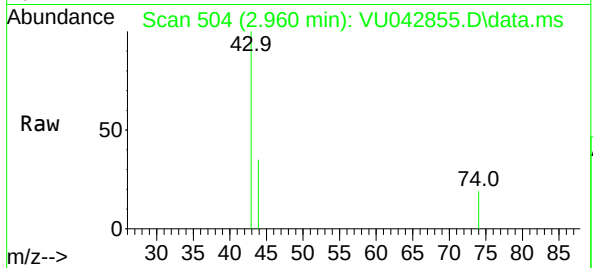




#18
Methyl Acetate
Concen: 0.47 ug/l
RT: 2.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VU042855.D
Acq: 31 Mar 2021 14:22

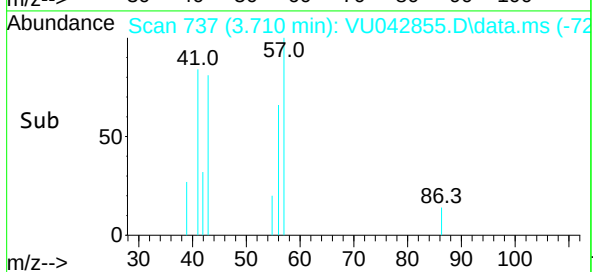
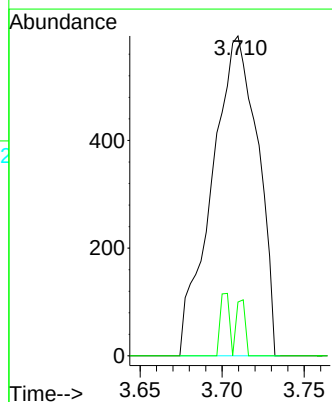
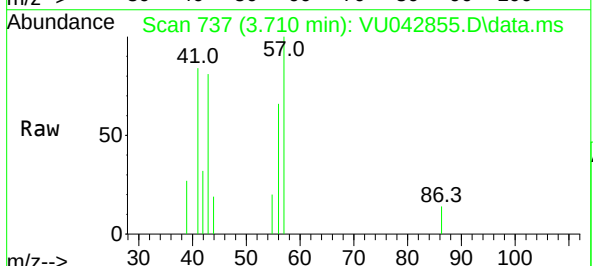
Instrument :
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ClientSampled :
B7-0-2

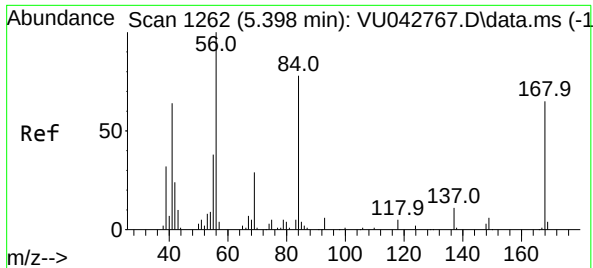
Tgt Ion: 43 Resp: 915
Ion Ratio Lower Upper
43 100
74 14.9 16.2 24.4#



#23
Vinyl Acetate
Concen: 0.29 ug/l
RT: 3.710 min Scan# 737
Delta R.T. -0.258 min
Lab File: VU042855.D
Acq: 31 Mar 2021 14:22

Tgt Ion: 43 Resp: 1158
Ion Ratio Lower Upper
43 100
86 16.8 6.7 10.1#

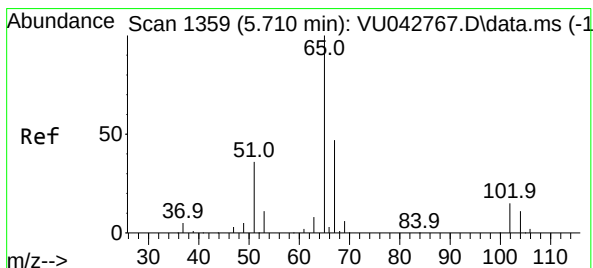
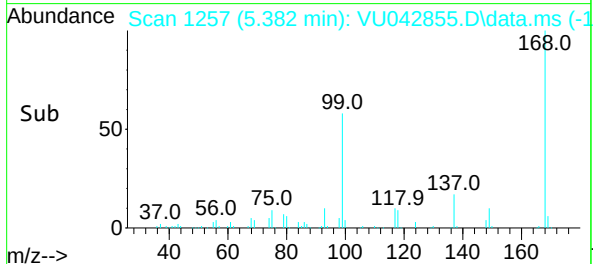
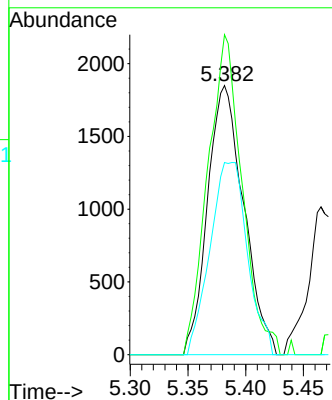
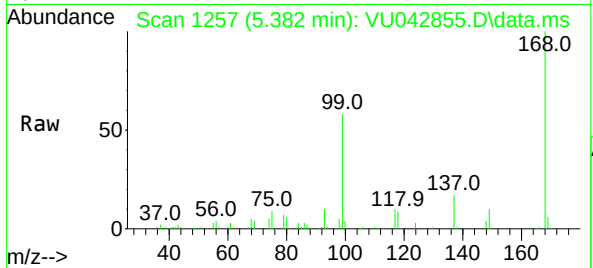




#31
Cyclohexane
Concen: 1.91 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.016 min
Lab File: VU042855.D
Acq: 31 Mar 2021 14:22

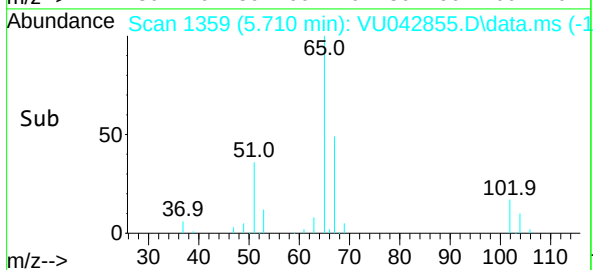
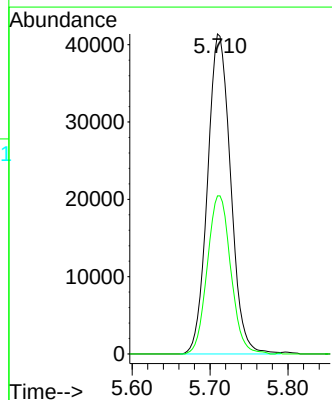
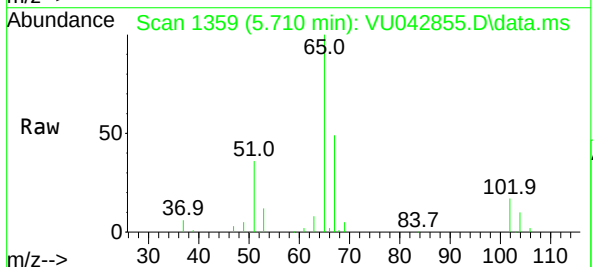
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MSVOA_U
ClientSampled :
B7-0-2

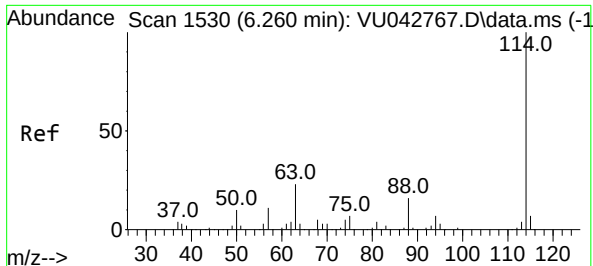
Tgt Ion: 56 Resp: 4020
Ion Ratio Lower Upper
56 100
69 118.9 23.3 34.9#
84 71.4 62.2 93.4



#33
1,2-Dichloroethane-d4
Concen: 50.37 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU042855.D
Acq: 31 Mar 2021 14:22

Tgt Ion: 65 Resp: 85352
Ion Ratio Lower Upper
65 100
67 50.2 0.0 98.8

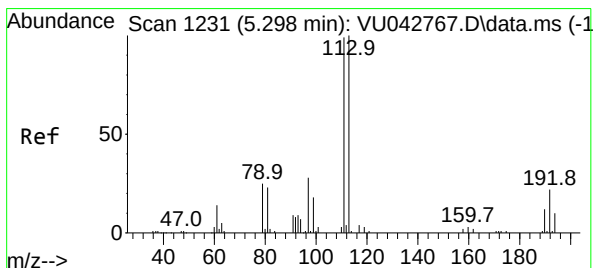
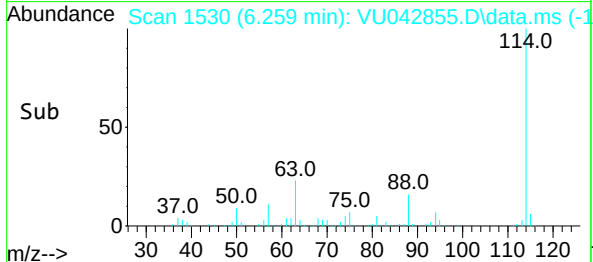
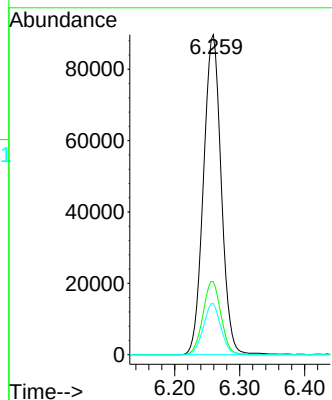
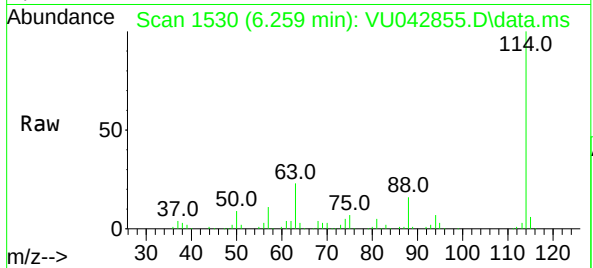




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.259 min Scan# 1530
Delta R.T. -0.001 min
Lab File: VU042855.D
Acq: 31 Mar 2021 14:22

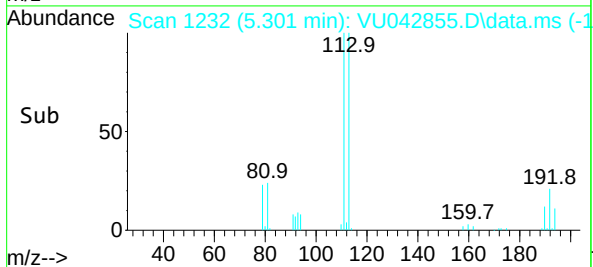
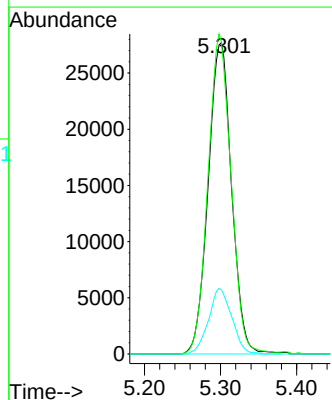
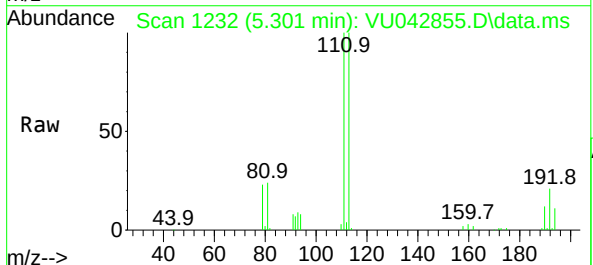
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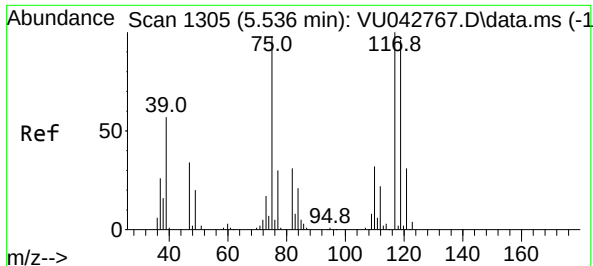
Tgt Ion:114 Resp: 170810
Ion Ratio Lower Upper
114 100
63 22.8 0.0 46.8
88 16.0 0.0 32.2



#35
Dibromofluoromethane
Concen: 46.43 ug/l
RT: 5.301 min Scan# 1232
Delta R.T. 0.003 min
Lab File: VU042855.D
Acq: 31 Mar 2021 14:22

Tgt Ion:113 Resp: 59183
Ion Ratio Lower Upper
113 100
111 101.1 82.1 123.1
192 20.8 17.6 26.4

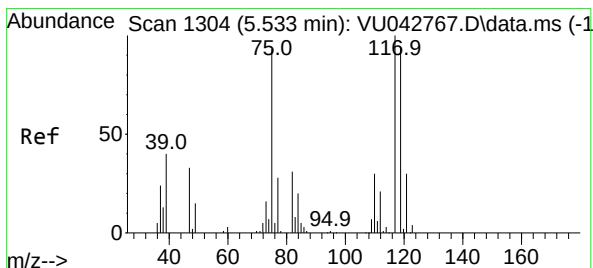
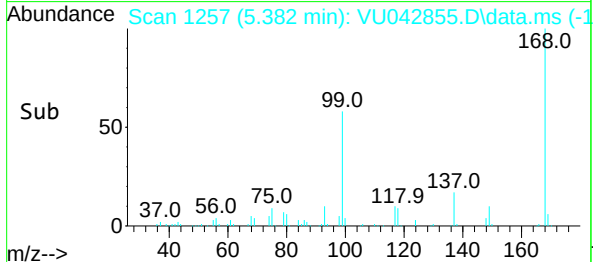
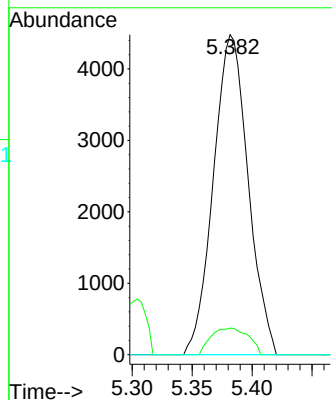
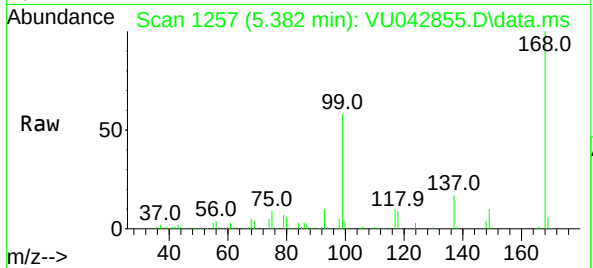




#36
1,1-Dichloropropene
Concen: 5.34 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.155 min
Lab File: VU042855.D
Acq: 31 Mar 2021 14:22

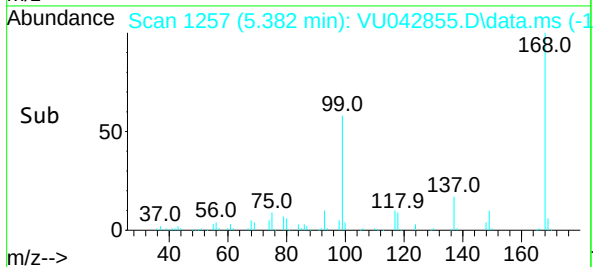
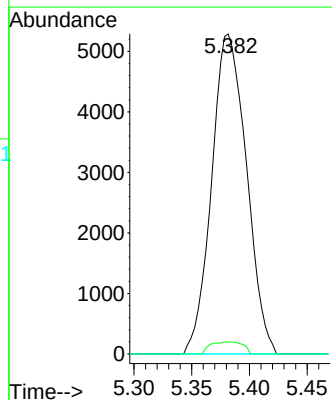
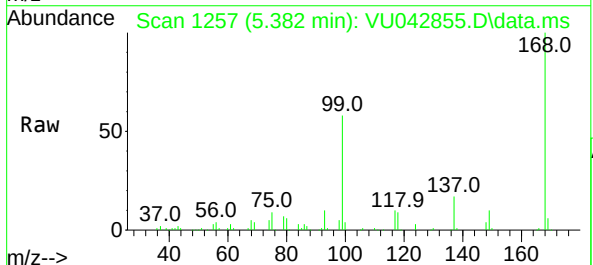
Instrument :
MSVOA_U
ClientSampled :
B7-0-2

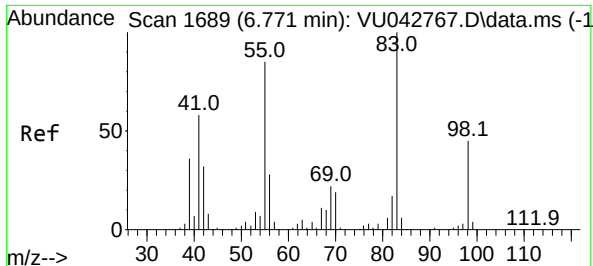
Tgt Ion: 75 Resp: 9027
Ion Ratio Lower Upper
75 100
110 8.9 16.6 49.7#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.75 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU042855.D
Acq: 31 Mar 2021 14:22

Tgt Ion: 117 Resp: 11086
Ion Ratio Lower Upper
117 100
119 3.7 75.2 112.8#
121 0.0 24.2 36.4#





#39

Methylcyclohexane

Concen: 0.73 ug/l

RT: 6.774 min Scan# 1690

Delta R.T. 0.003 min

Lab File: VU042855.D

Acq: 31 Mar 2021 14:22

Tgt Ion: 83 Resp: 1413

Ion Ratio Lower Upper

83 100

55 74.3 68.2 102.4

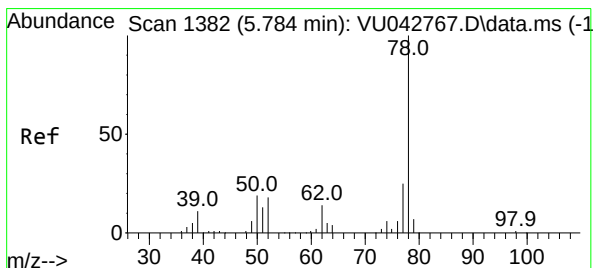
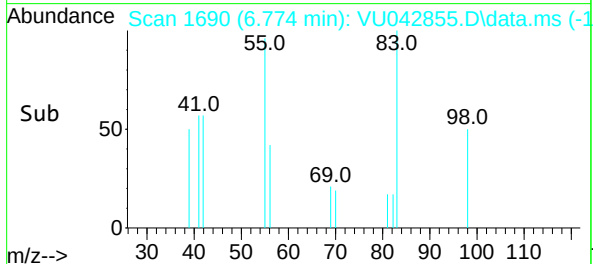
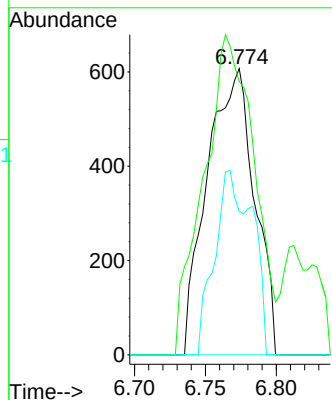
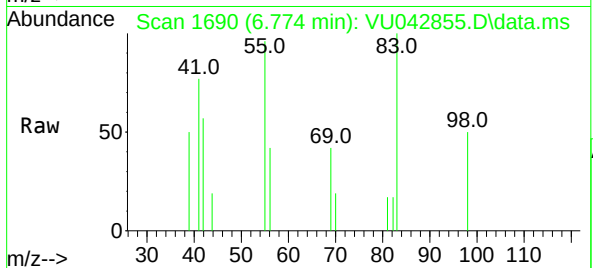
98 50.1 36.3 54.5

Instrument :

MSVOA_U

ClientSampleId :

B7-0-2



#40

Benzene

Concen: 2.01 ug/l

RT: 5.783 min Scan# 1382

Delta R.T. -0.000 min

Lab File: VU042855.D

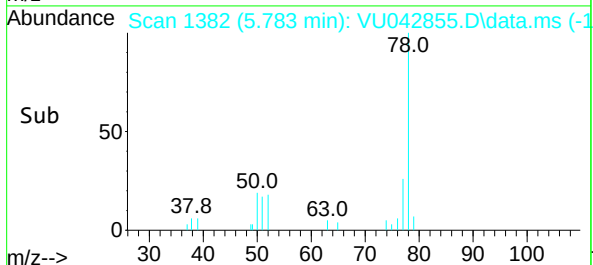
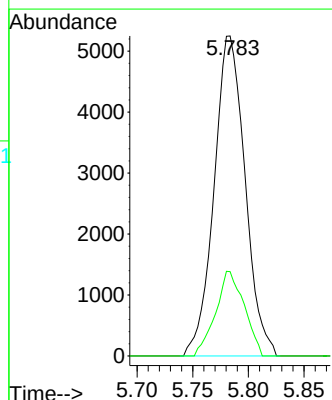
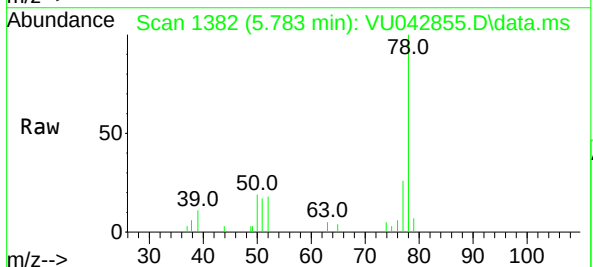
Acq: 31 Mar 2021 14:22

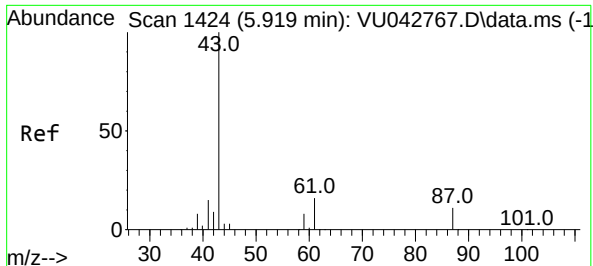
Tgt Ion: 78 Resp: 10183

Ion Ratio Lower Upper

78 100

77 26.4 19.9 29.9



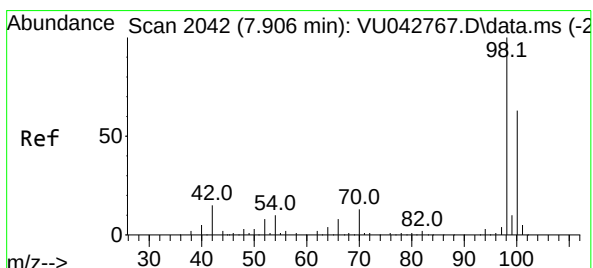
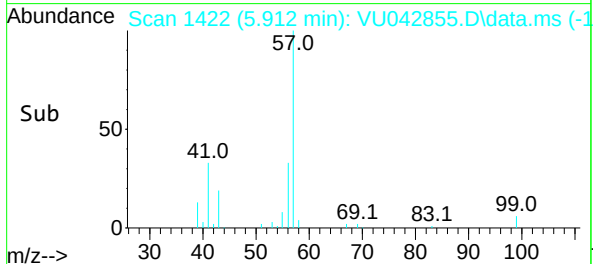
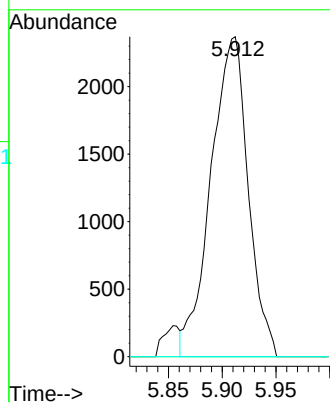
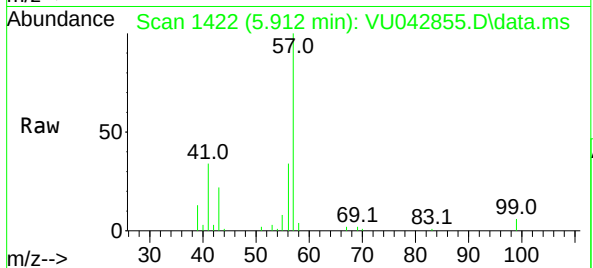


#43

Isopropyl Acetate
 Concen: 1.44 ug/l
 RT: 5.912 min Scan# 1422
 Delta R.T. -0.007 min
 Lab File: VU042855.D
 Acq: 31 Mar 2021 14:22

Instrument :
 MSVOA_U
 ClientSampled :
 B7-0-2

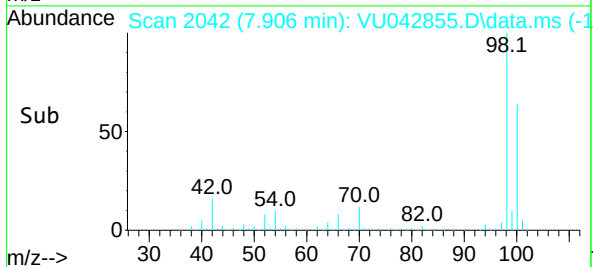
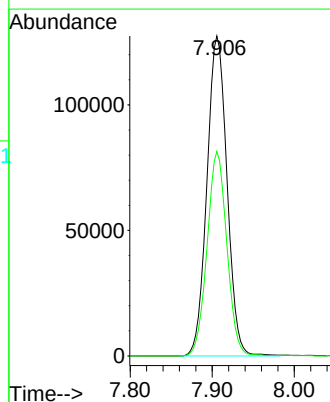
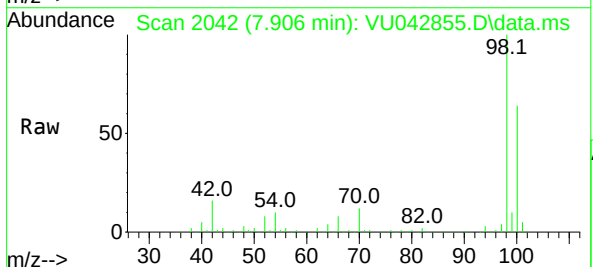
Tgt Ion: 43 Resp: 5703
 Ion Ratio Lower Upper
 43 100
 61 0.0 13.4 20.0#
 87 0.0 8.7 13.1#

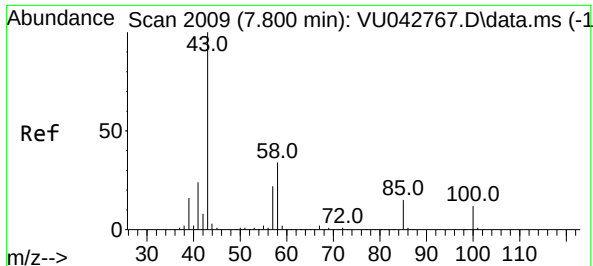


#50

Toluene-d8
 Concen: 48.41 ug/l
 RT: 7.906 min Scan# 2042
 Delta R.T. -0.000 min
 Lab File: VU042855.D
 Acq: 31 Mar 2021 14:22

Tgt Ion: 98 Resp: 217099
 Ion Ratio Lower Upper
 98 100
 100 62.8 50.4 75.6

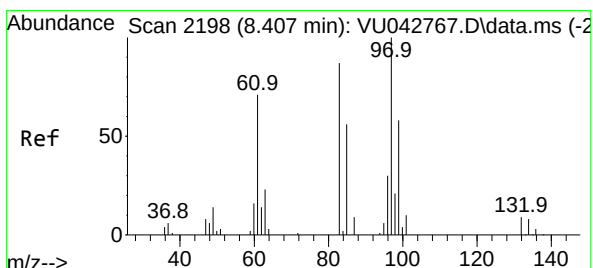
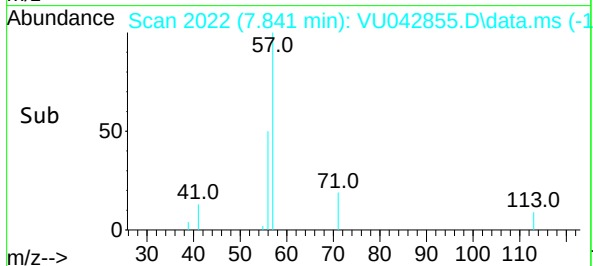
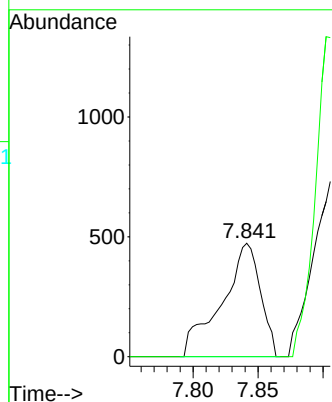
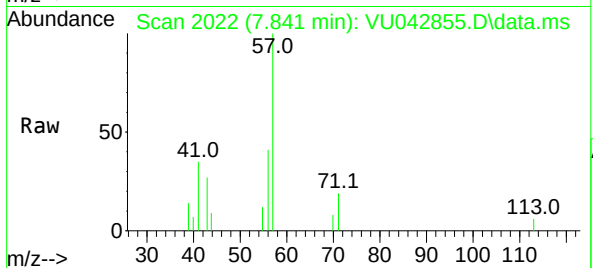




#51
4-Methyl-2-Pentanone
Concen: 0.36 ug/l
RT: 7.841 min Scan# 2022
Delta R.T. 0.042 min
Lab File: VU042855.D
Acq: 31 Mar 2021 14:22

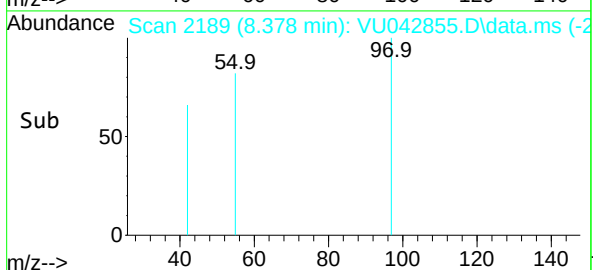
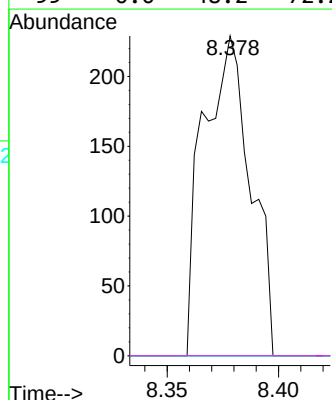
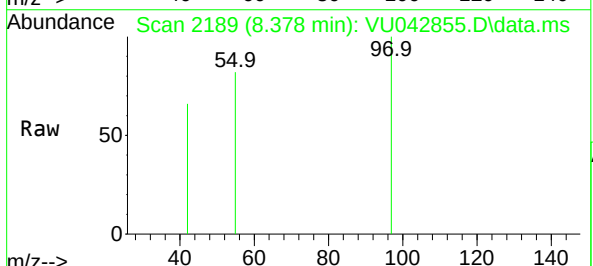
Instrument :
MSVOA_U
ClientSampled :
B7-0-2

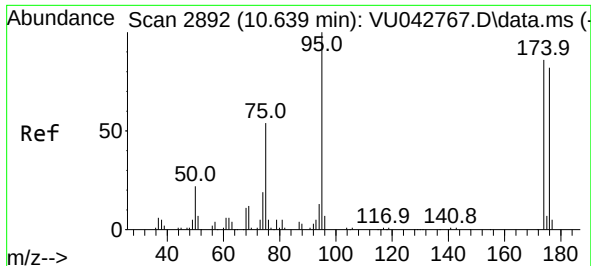
Tgt Ion: 43 Resp: 984
Ion Ratio Lower Upper
43 100
58 0.0 27.4 41.2#



#55
1,1,2-Trichloroethane
Concen: 0.26 ug/l
RT: 8.378 min Scan# 2189
Delta R.T. -0.029 min
Lab File: VU042855.D
Acq: 31 Mar 2021 14:22

Tgt Ion: 97 Resp: 340
Ion Ratio Lower Upper
97 100
83 0.0 69.4 104.0#
85 0.0 45.0 67.4#
99 0.0 48.2 72.2#

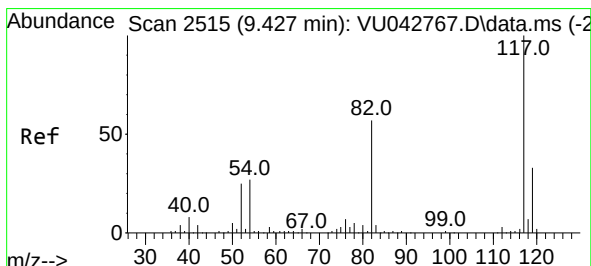
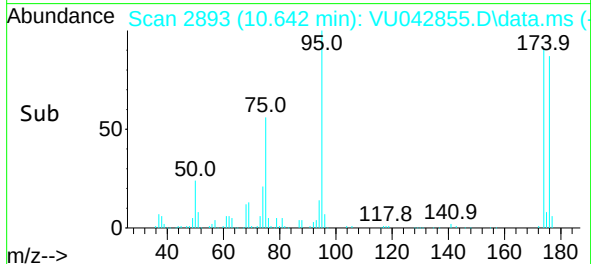
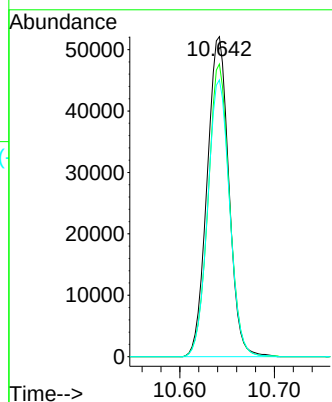
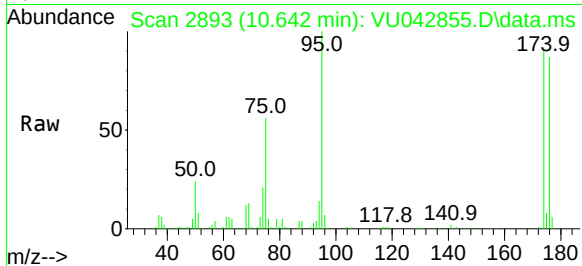




#62
4-Bromofluorobenzene
Concen: 47.75 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. 0.003 min
Lab File: VU042855.D
Acq: 31 Mar 2021 14:22

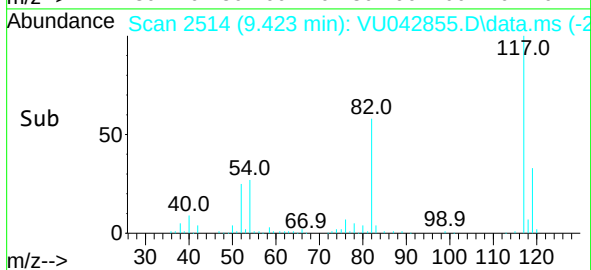
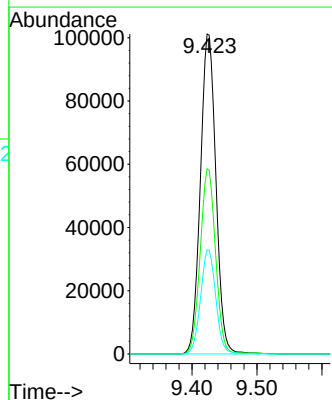
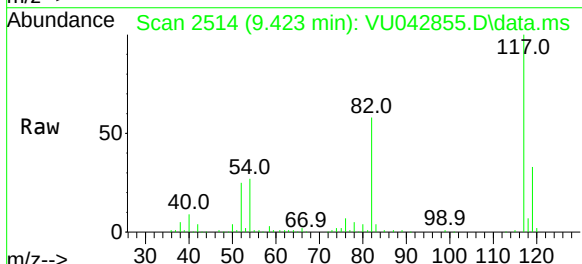
Instrument :
MSVOA_U
ClientSampleId :
B7-0-2

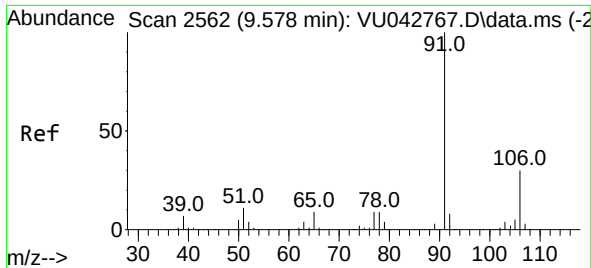
Tgt Ion: 95 Resp: 83226
Ion Ratio Lower Upper
95 100
174 89.5 0.0 175.2
176 87.1 0.0 167.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.004 min
Lab File: VU042855.D
Acq: 31 Mar 2021 14:22

Tgt Ion: 117 Resp: 168699
Ion Ratio Lower Upper
117 100
82 57.8 45.5 68.3
119 32.5 26.2 39.4

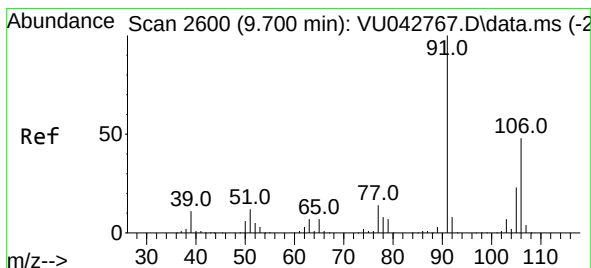
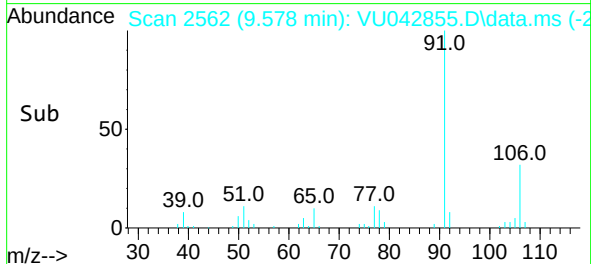
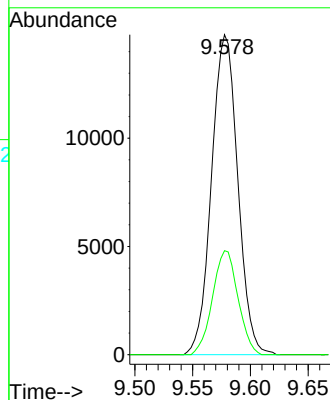
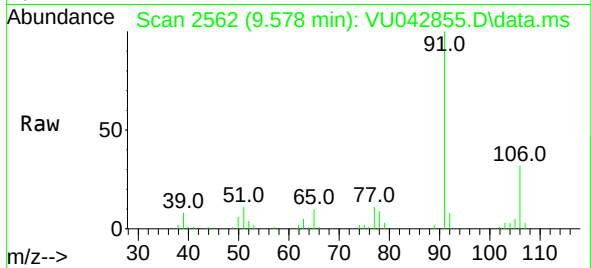




#67
Ethyl Benzene
Concen: 3.80 ug/l
RT: 9.578 min Scan# 2562
Delta R.T. -0.000 min
Lab File: VU042855.D
Acq: 31 Mar 2021 14:22

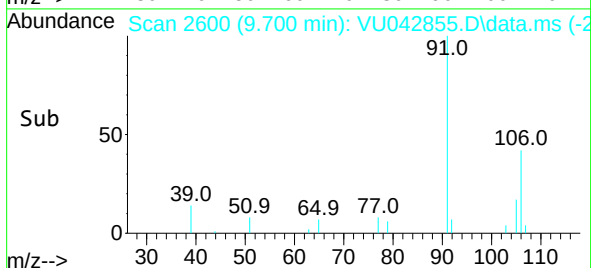
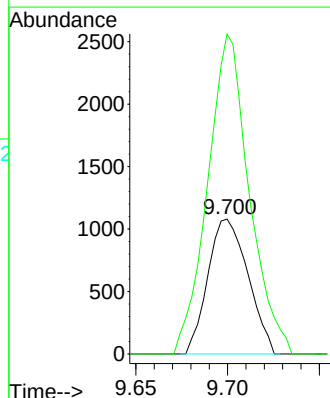
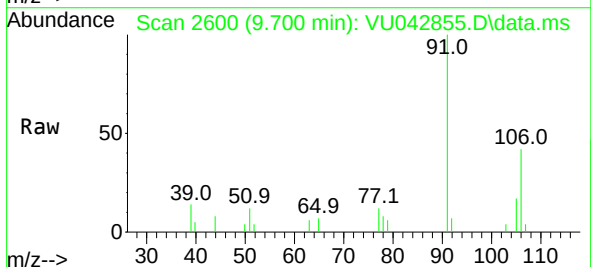
Instrument :
MSVOA_U
ClientSampled :
B7-0-2

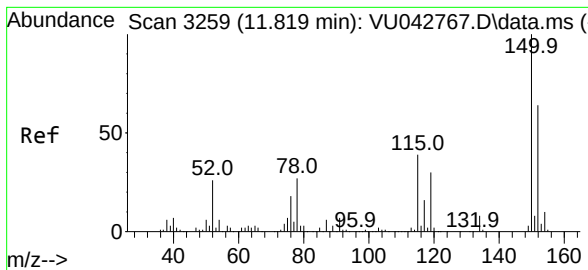
Tgt Ion: 91 Resp: 23365
Ion Ratio Lower Upper
91 100
106 32.5 24.1 36.1



#68
m/p-Xylenes
Concen: 0.72 ug/l
RT: 9.700 min Scan# 2600
Delta R.T. -0.000 min
Lab File: VU042855.D
Acq: 31 Mar 2021 14:22

Tgt Ion: 106 Resp: 1638
Ion Ratio Lower Upper
106 100
91 245.5 168.3 252.5

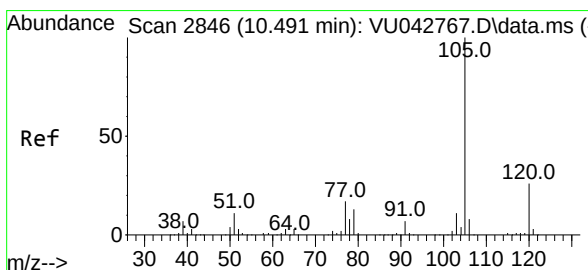
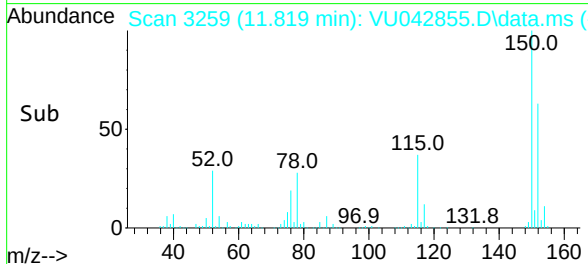
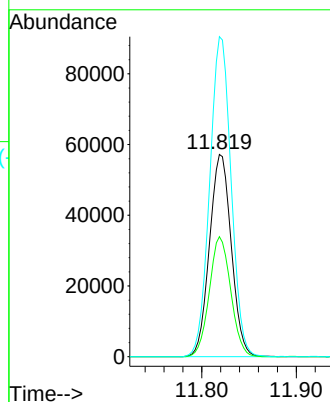
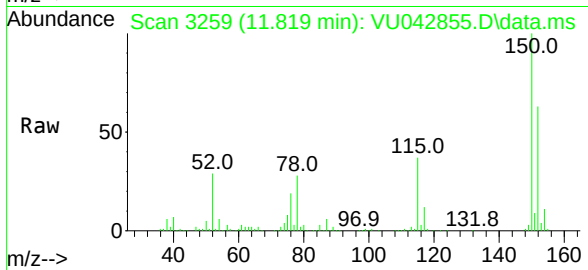




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU042855.D
Acq: 31 Mar 2021 14:22

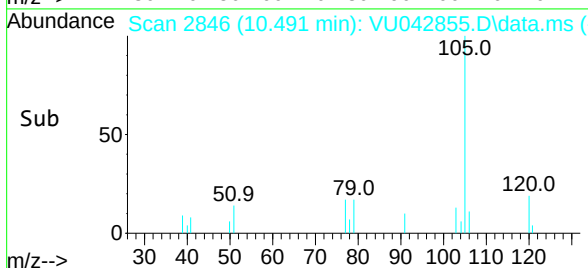
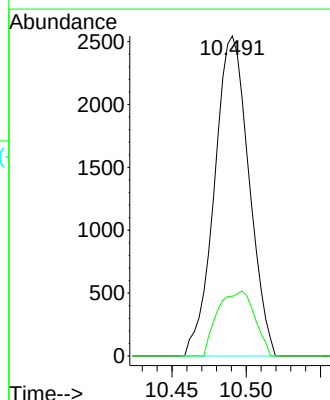
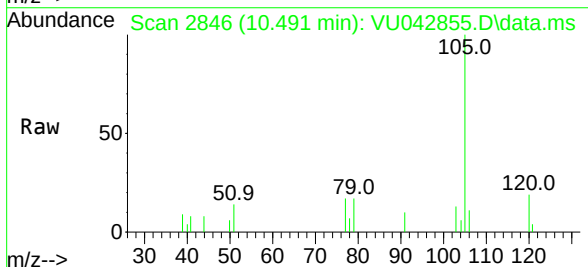
Instrument :
MSVOA_U
ClientSampleId :
B7-0-2

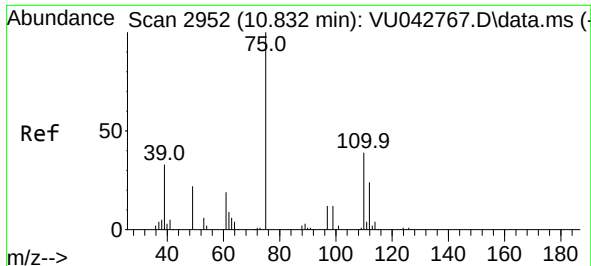
Tgt Ion:152 Resp: 91621
Ion Ratio Lower Upper
152 100
115 58.2 41.0 123.0
150 155.5 0.0 341.0



#73
Isopropylbenzene
Concen: 0.71 ug/l
RT: 10.491 min Scan# 2846
Delta R.T. -0.000 min
Lab File: VU042855.D
Acq: 31 Mar 2021 14:22

Tgt Ion:105 Resp: 4105
Ion Ratio Lower Upper
105 100
120 21.7 12.9 38.6

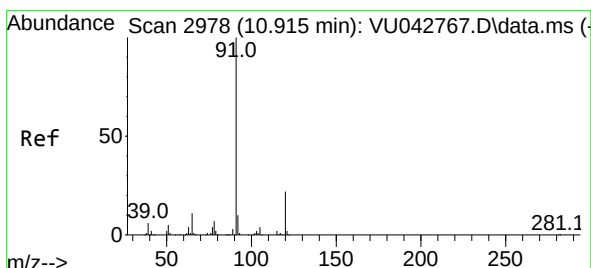
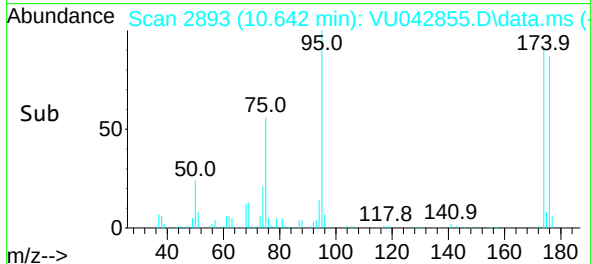
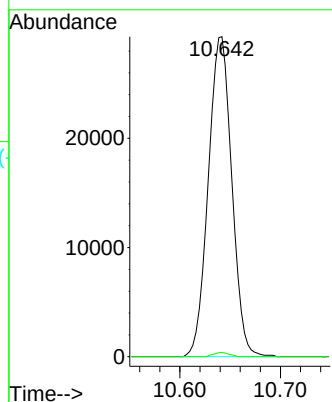
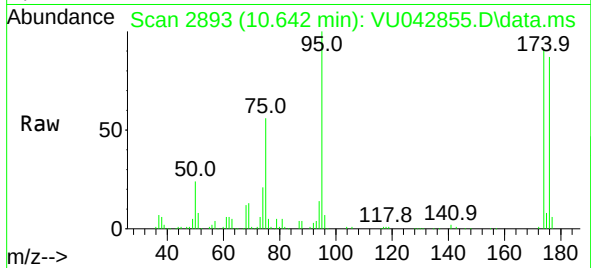




#76
1,2,3-Trichloropropane
Concen: 20.47 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. -0.190 min
Lab File: VU042855.D
Acq: 31 Mar 2021 14:22

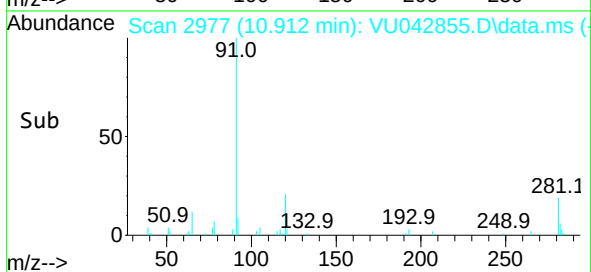
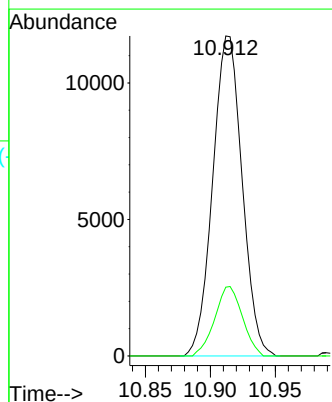
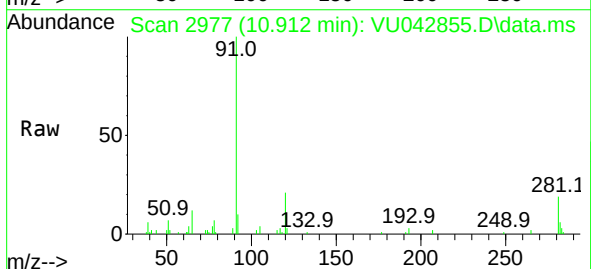
Instrument :
MSVOA_U
ClientSampled :
B7-0-2

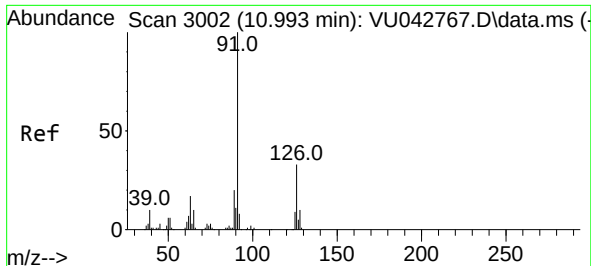
Tgt Ion: 75 Resp: 47685
Ion Ratio Lower Upper
75 100
77 0.9 19.6 58.8#



#78
n-propylbenzene
Concen: 2.70 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. -0.003 min
Lab File: VU042855.D
Acq: 31 Mar 2021 14:22

Tgt Ion: 91 Resp: 18405
Ion Ratio Lower Upper
91 100
120 20.4 11.1 33.1

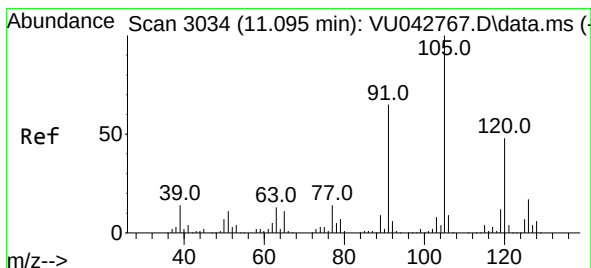
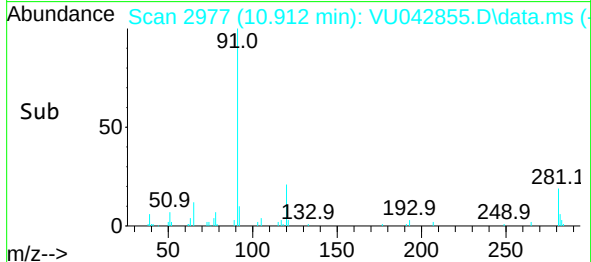
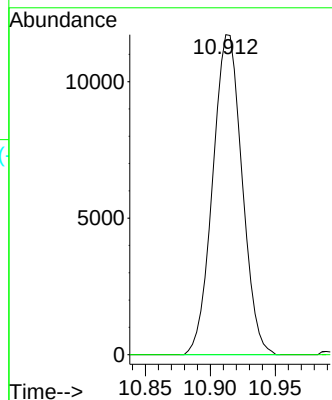
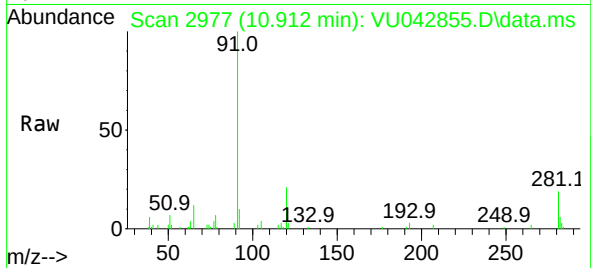




#79
2-Chlorotoluene
Concen: 4.47 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. -0.081 min
Lab File: VU042855.D
Acq: 31 Mar 2021 14:22

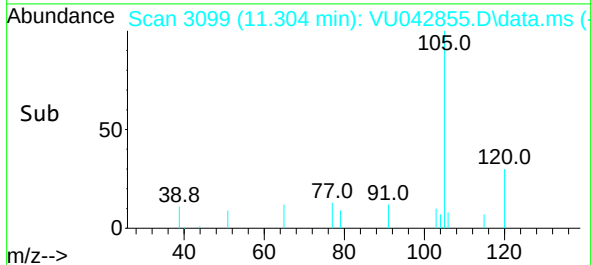
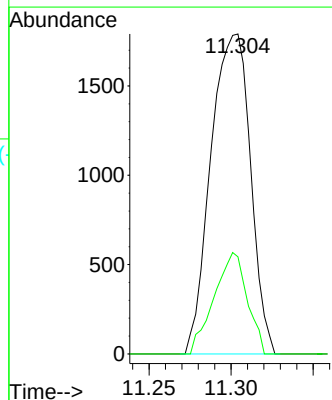
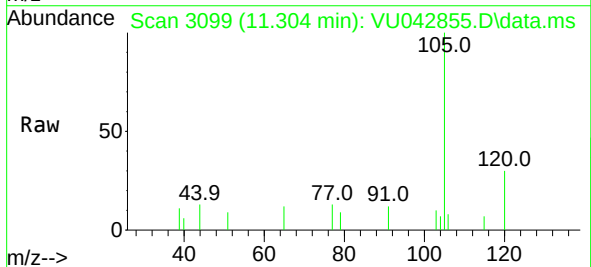
Instrument :
MSVOA_U
ClientSampled :
B7-0-2

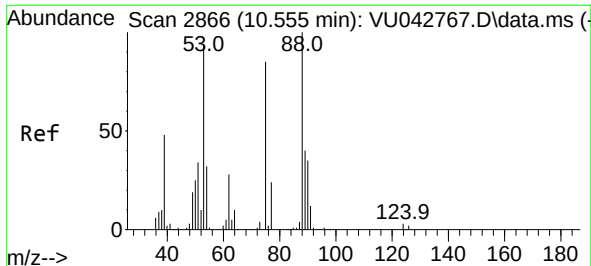
Tgt Ion: 91 Resp: 18405
Ion Ratio Lower Upper
91 100
126 0.0 16.7 50.1#



#80
1,3,5-Trimethylbenzene
Concen: 0.60 ug/l
RT: 11.304 min Scan# 3099
Delta R.T. 0.209 min
Lab File: VU042855.D
Acq: 31 Mar 2021 14:22

Tgt Ion:105 Resp: 3004
Ion Ratio Lower Upper
105 100
120 26.5 23.4 70.2

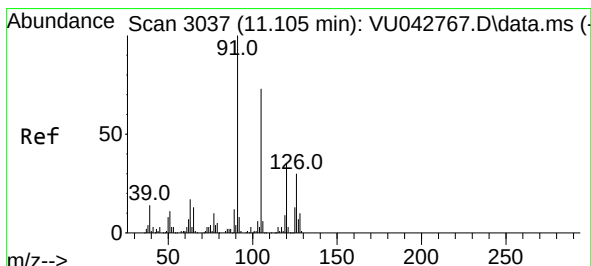
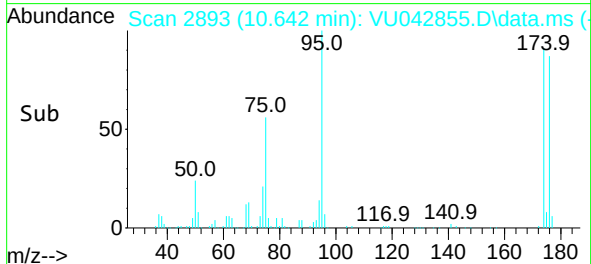
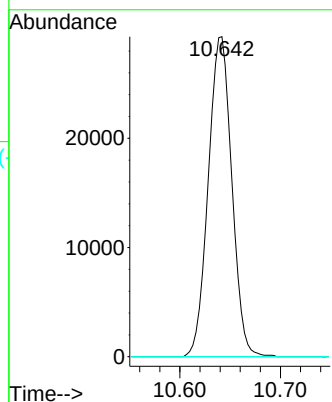
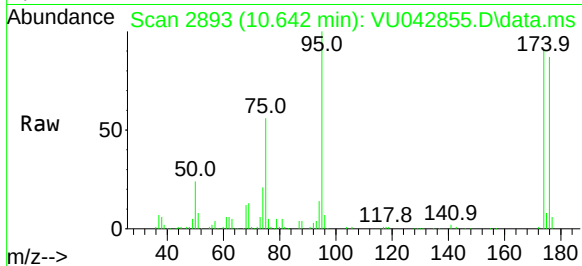




#81
trans-1,4-Dichloro-2-butene
Concen: 60.63 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. 0.087 min
Lab File: VU042855.D
Acq: 31 Mar 2021 14:22

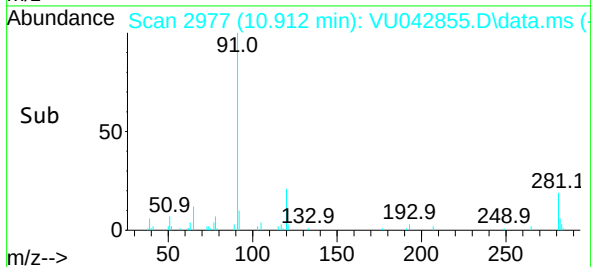
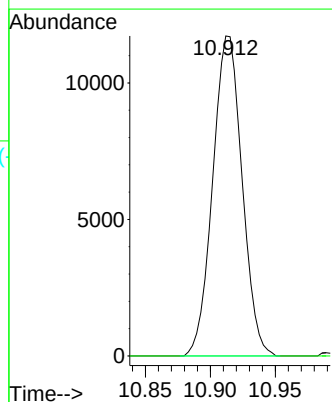
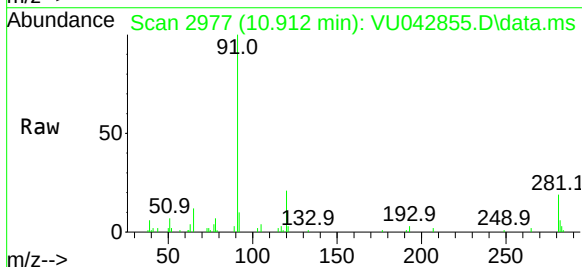
Instrument :
MSVOA_U
ClientSampleId :
B7-0-2

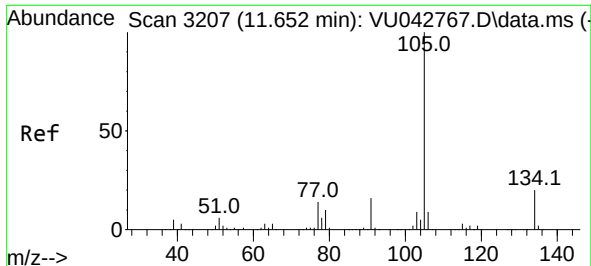
Tgt Ion: 75 Resp: 47685
Ion Ratio Lower Upper
75 100
53 0.0 88.3 132.5#
89 0.0 35.7 53.5#



#82
4-Chlorotoluene
Concen: 3.74 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. -0.193 min
Lab File: VU042855.D
Acq: 31 Mar 2021 14:22

Tgt Ion: 91 Resp: 18405
Ion Ratio Lower Upper
91 100
126 0.0 14.5 43.5#

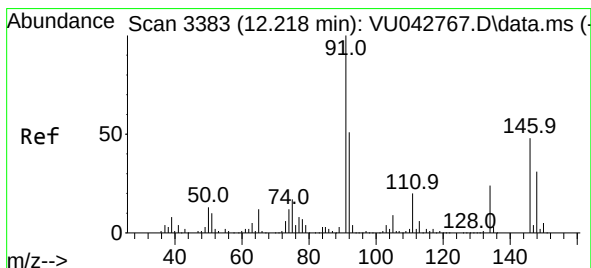
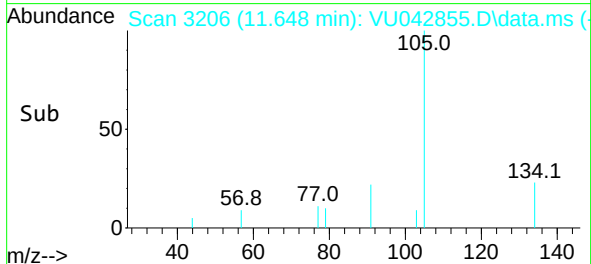
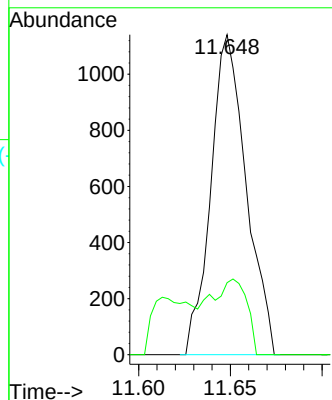
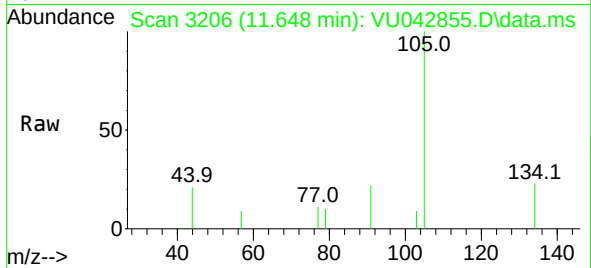




#85
 sec-Butylbenzene
 Concen: 0.27 ug/l
 RT: 11.648 min Scan# 3206
 Delta R.T. -0.004 min
 Lab File: VU042855.D
 Acq: 31 Mar 2021 14:22

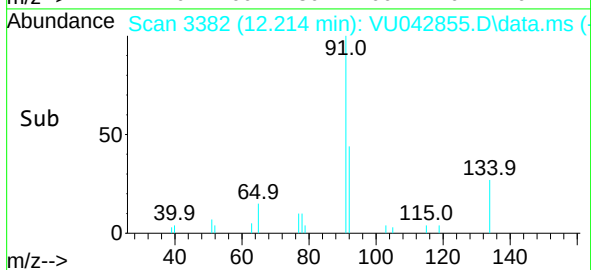
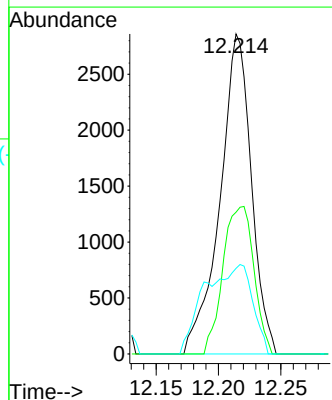
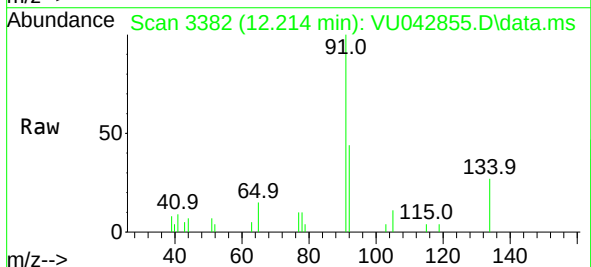
Instrument :
 MSVOA_U
 ClientSampleId :
 B7-0-2

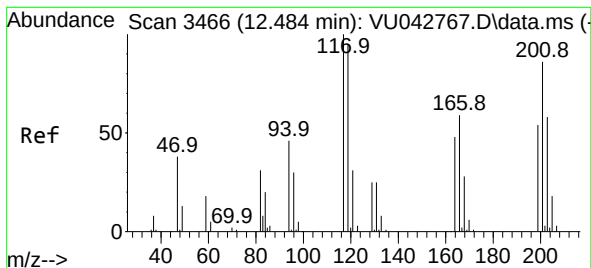
Tgt Ion:105 Resp: 1530
 Ion Ratio Lower Upper
 105 100
 134 24.6 9.8 29.5



#89
 n-Butylbenzene
 Concen: 1.02 ug/l
 RT: 12.214 min Scan# 3382
 Delta R.T. -0.004 min
 Lab File: VU042855.D
 Acq: 31 Mar 2021 14:22

Tgt Ion: 91 Resp: 4998
 Ion Ratio Lower Upper
 91 100
 92 45.4 25.7 77.1
 134 0.0 12.1 36.3#





#90

Hexachloroethane

Concen: 2.53 ug/l

RT: 12.581 min Scan# 3496

Delta R.T. 0.096 min

Lab File: VU042855.D

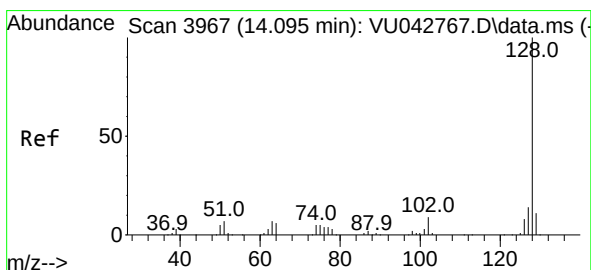
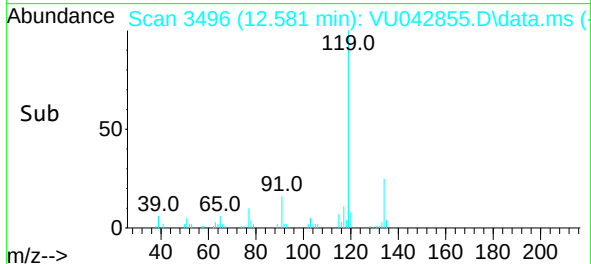
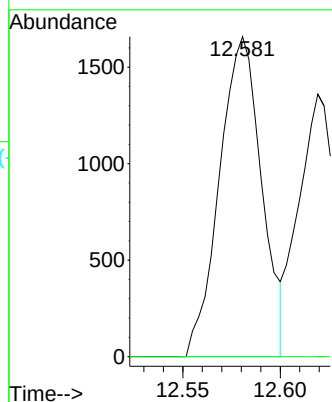
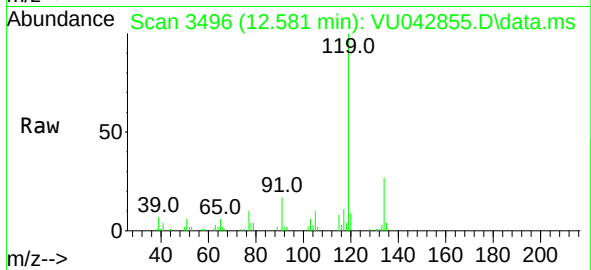
Acq: 31 Mar 2021 14:22

Tgt Ion:117 Resp: 2495

Ion Ratio Lower Upper

117 100

201 0.0 43.5 130.7#



#95

Naphthalene

Concen: 7.72 ug/l

RT: 14.095 min Scan# 3967

Delta R.T. 0.000 min

Lab File: VU042855.D

Acq: 31 Mar 2021 14:22

Tgt Ion:128 Resp: 33713

Ion Ratio Lower Upper

128 100

127 13.9 10.9 16.3

129 10.8 8.7 13.1

