

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032521\
 Data File : VU042786.D
 Acq On : 25 Mar 2021 15:36
 Operator : SY/MD
 Sample : M1791-22
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GRAY-INTERIOR-BLOCK-1-2

Quant Time: Mar 26 02:06:26 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)

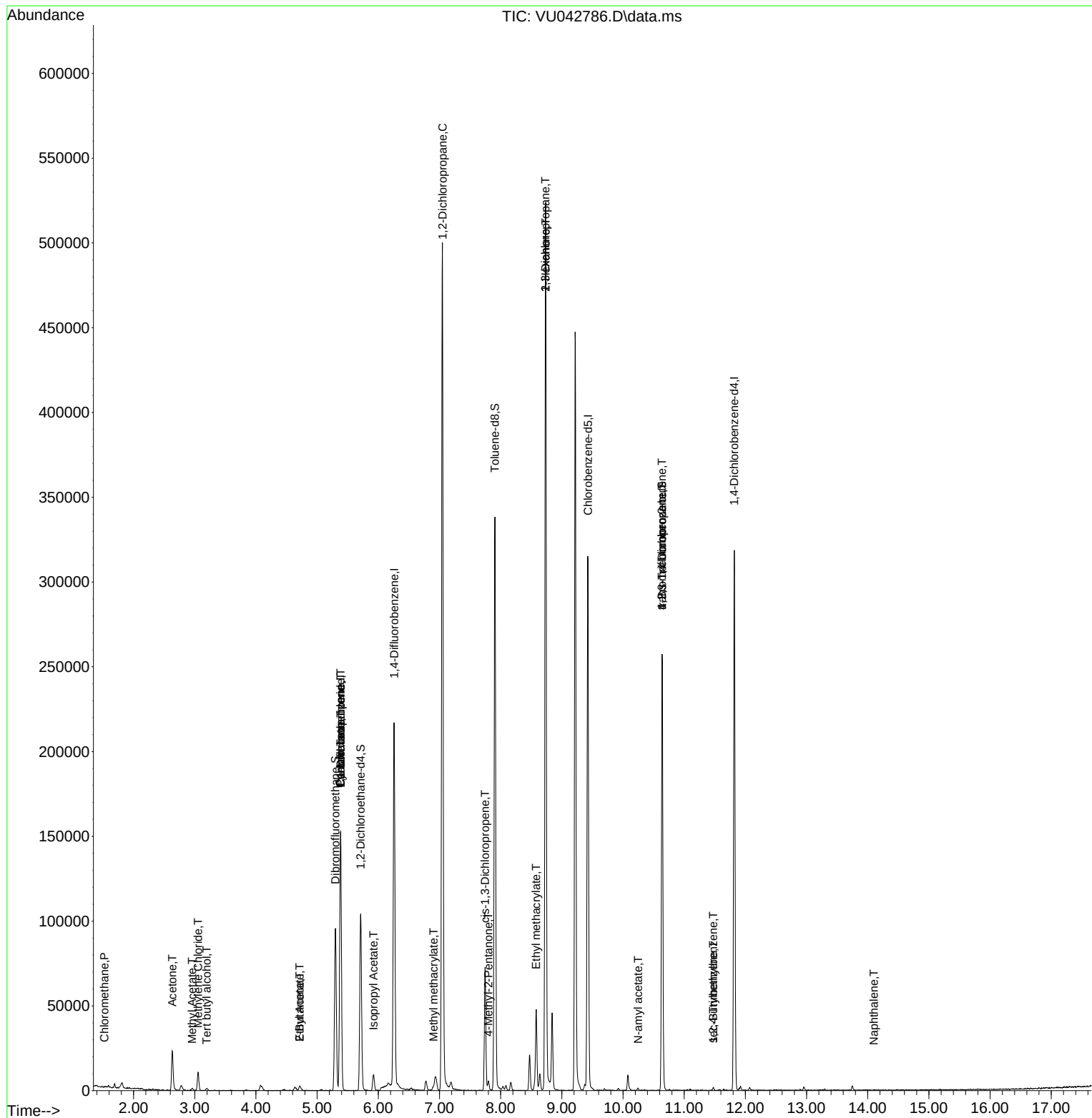
Internal Standards						
1) Pentafluorobenzene	5.385	168	104421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.259	114	161130	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.427	117	158847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	77597	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.713	65	81199	48.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.56%	
35) Dibromofluoromethane	5.298	113	57128	47.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.02%	
50) Toluene-d8	7.906	98	206588	48.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.66%	
62) 4-Bromofluorobenzene	10.639	95	74415	45.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.52%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	333	0.25	ug/l #	43
6) Chloroethane	1.912	64	45	Below Cal	#	43
11) Tert butyl alcohol	3.195	59	862	2.42	ug/l #	74
16) Acetone	2.633	43	29053	22.03	ug/l	95
18) Methyl Acetate	2.954	43	1603	0.84	ug/l	97
20) Methylene Chloride	3.054	84	4393	3.67	ug/l	98
25) 2-Butanone	4.713	43	5056	3.73	ug/l	92
31) Cyclohexane	5.382	56	2590	1.25	ug/l #	41
36) 1,1-Dichloropropene	5.382	75	8272	5.19	ug/l #	51
37) Ethyl Acetate	4.713	43	5056	2.04	ug/l #	72
38) Carbon Tetrachloride	5.385	117	10768	5.92	ug/l #	18
43) Isopropyl Acetate	5.922	43	10181	2.73	ug/l	98
45) 1,2-Dichloropropane	7.050	63	466	0.37	ug/l #	45
48) Methyl methacrylate	6.903	41	3051	1.70	ug/l #	17
51) 4-Methyl-2-Pentanone	7.800	43	4126	1.58	ug/l	92
54) cis-1,3-Dichloropropene	7.745	75	10783	5.31	ug/l #	65
56) Ethyl methacrylate	8.578	69	419	0.22	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	4307	2.00	ug/l #	42
59) 2-Hexanone	8.735	43	79126	38.18	ug/l #	54
74) N-amyl acetate	10.246	43	989	0.36	ug/l #	48
76) 1,2,3-Trichloropropane	10.639	75	42865	21.72	ug/l #	38
81) trans-1,4-Dichloro-2-b...	10.639	75	42865	64.35	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.475	105	1313	0.31	ug/l	85
85) sec-Butylbenzene	11.475	105	1313	0.27	ug/l #	57
95) Naphthalene	14.102	128	158	2.60	ug/l #	68

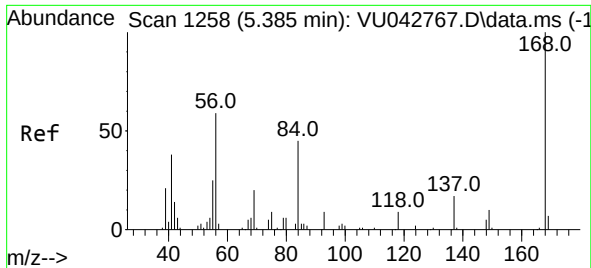
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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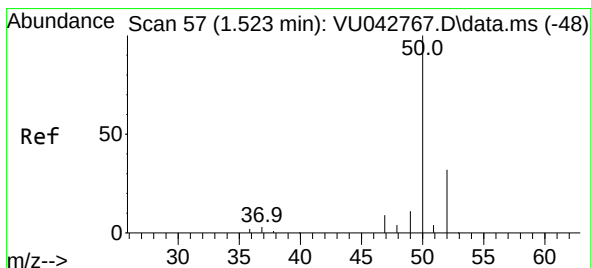
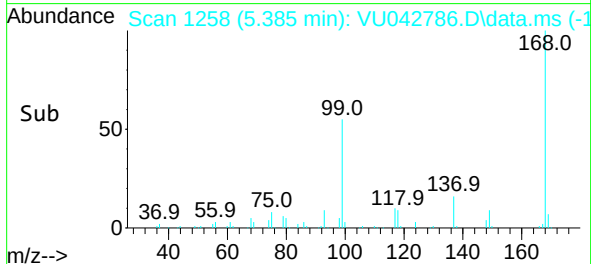
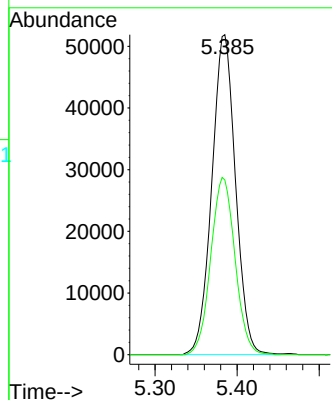
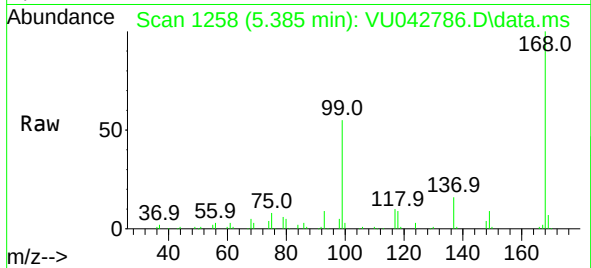




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VU042786.D
Acq: 25 Mar 2021 15:36

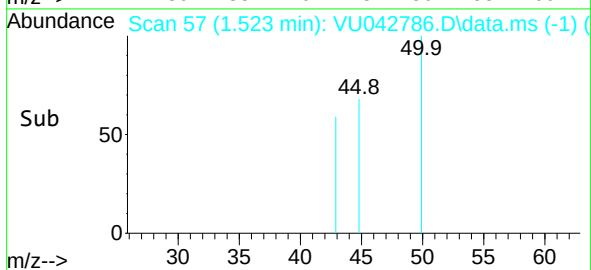
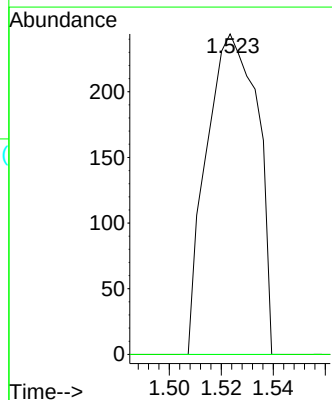
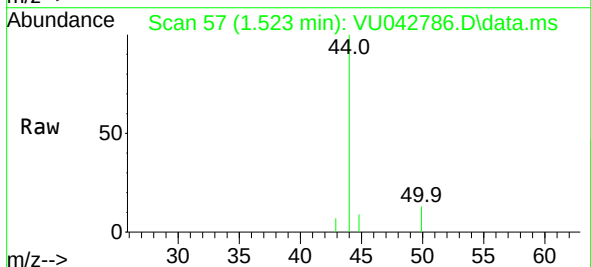
Instrument :
MSVOA_U
ClientSampleId :
GRAY-INTERIOR-BLOCK-1-2

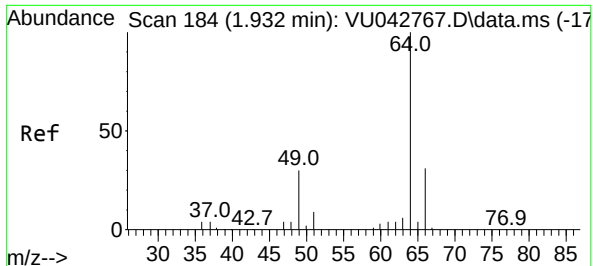
Tgt Ion:168 Resp: 104421
Ion Ratio Lower Upper
168 100
99 54.6 46.4 69.6



#3
Chloromethane
Concen: 0.25 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU042786.D
Acq: 25 Mar 2021 15:36

Tgt Ion: 50 Resp: 333
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.0#

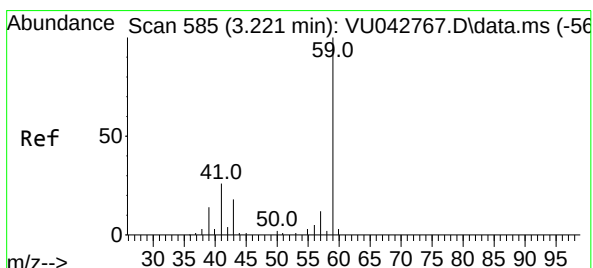
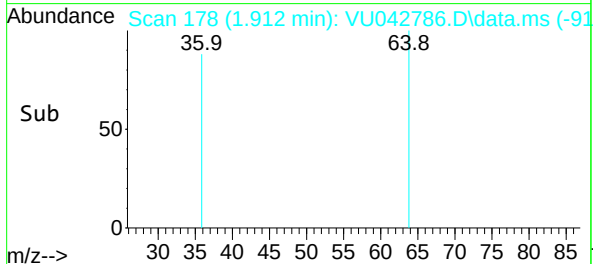
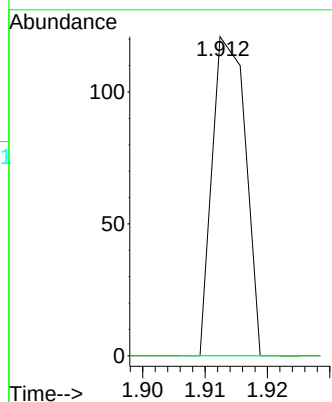
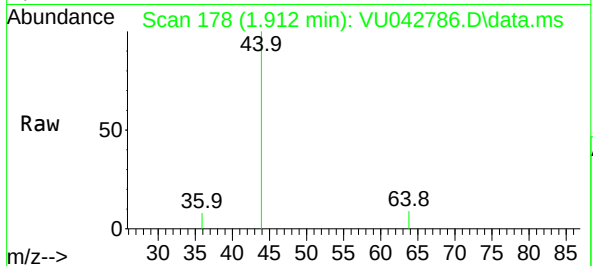




#6
Chloroethane
Concen: Below Cal
RT: 1.912 min Scan# 178
Delta R.T. -0.020 min
Lab File: VU042786.D
Acq: 25 Mar 2021 15:36

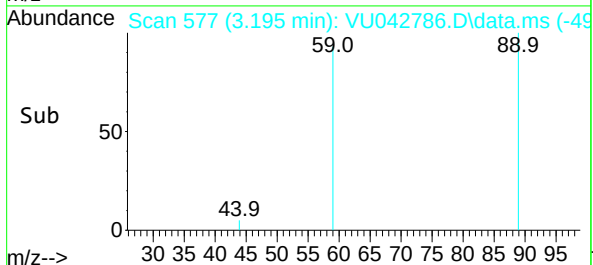
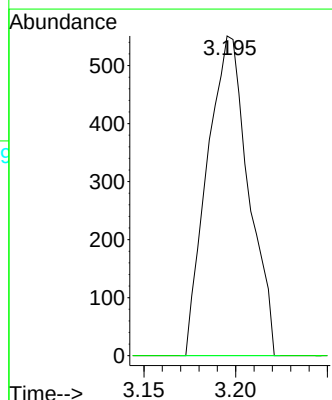
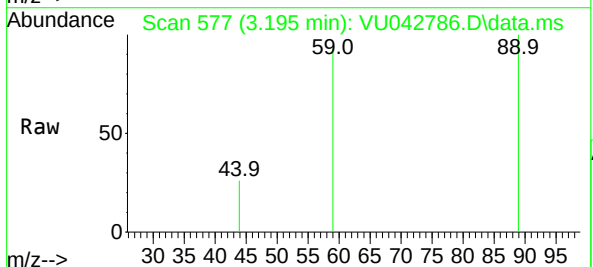
Instrument :
MSVOA_U
ClientSampleId :
GRAY-INTERIOR-BLOCK-1-2

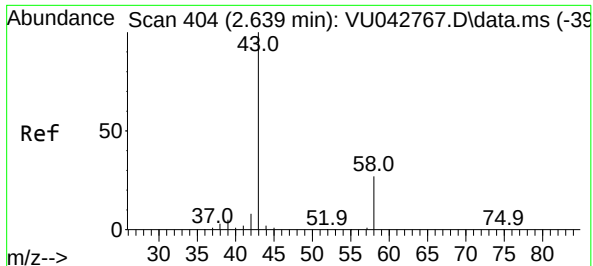
Tgt Ion: 64 Resp: 45
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#



#11
Tert butyl alcohol
Concen: 2.42 ug/l
RT: 3.195 min Scan# 577
Delta R.T. -0.026 min
Lab File: VU042786.D
Acq: 25 Mar 2021 15:36

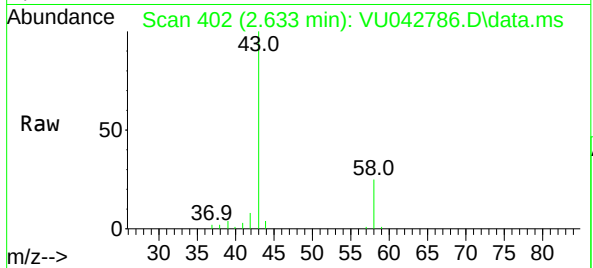
Tgt Ion: 59 Resp: 862
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



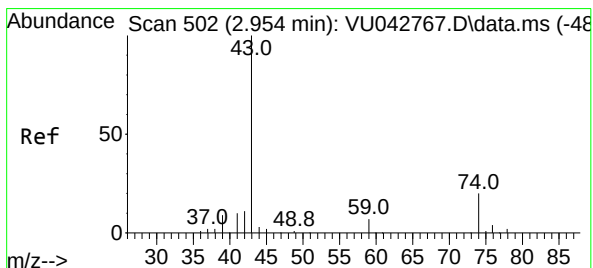
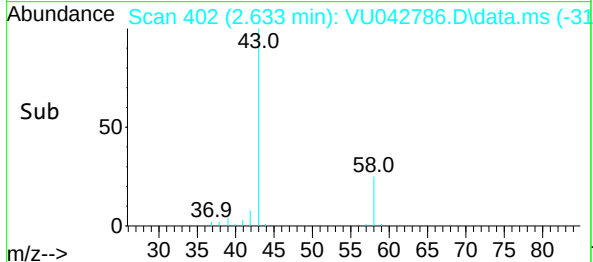
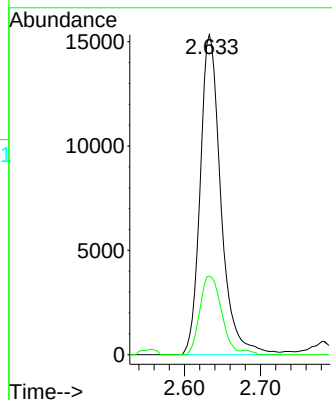


#16
Acetone
Concen: 22.03 ug/l
RT: 2.633 min Scan# 402
Delta R.T. -0.006 min
Lab File: VU042786.D
Acq: 25 Mar 2021 15:36

Instrument :
MSVOA_U
ClientSampleId :
GRAY-INTERIOR-BLOCK-1-2

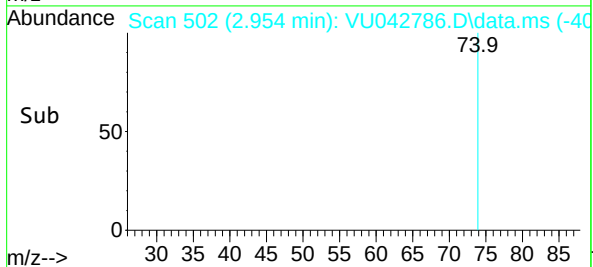
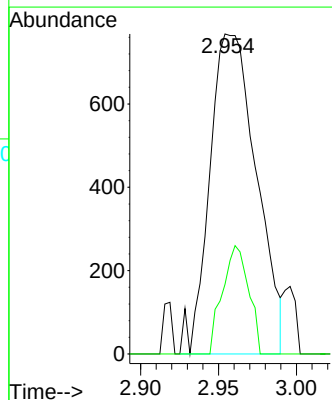
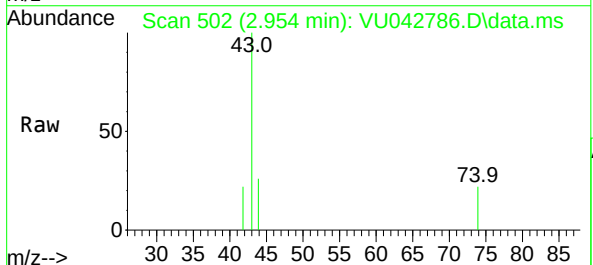


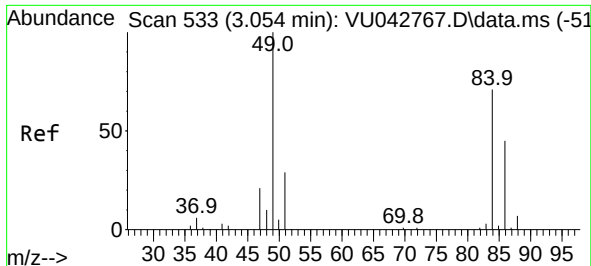
Tgt Ion: 43 Resp: 29053
Ion Ratio Lower Upper
43 100
58 24.6 21.6 32.4



#18
Methyl Acetate
Concen: 0.84 ug/l
RT: 2.954 min Scan# 502
Delta R.T. -0.000 min
Lab File: VU042786.D
Acq: 25 Mar 2021 15:36

Tgt Ion: 43 Resp: 1603
Ion Ratio Lower Upper
43 100
74 18.8 16.2 24.4



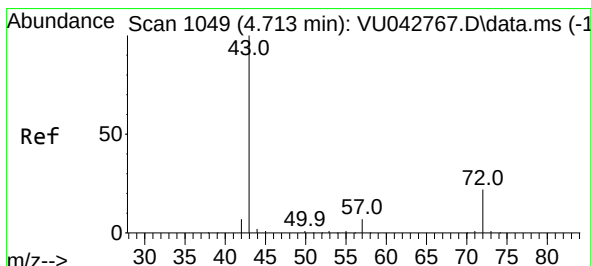
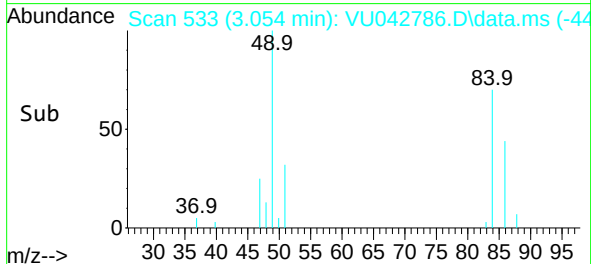
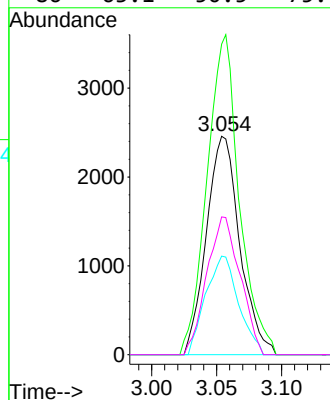
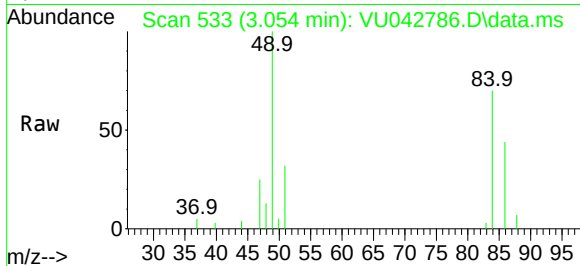


#20
Methylene Chloride
Concen: 3.67 ug/l
RT: 3.054 min Scan# 533
Delta R.T. -0.000 min
Lab File: VU042786.D
Acq: 25 Mar 2021 15:36

Instrument :
MSVOA_U
ClientSampleId :
GRAY-INTERIOR-BLOCK-1-2

Tgt Ion: 84 Resp: 4393

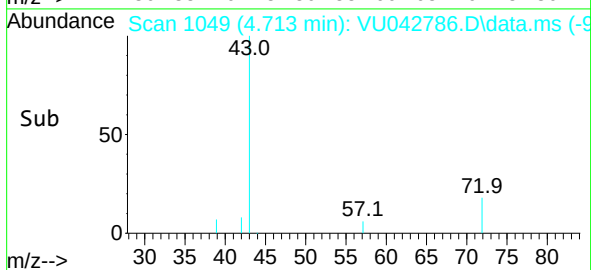
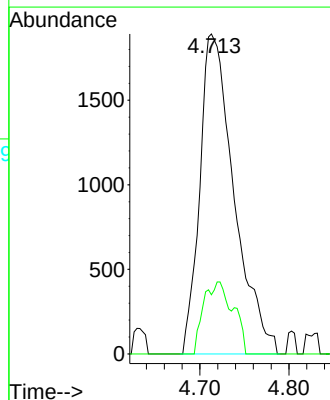
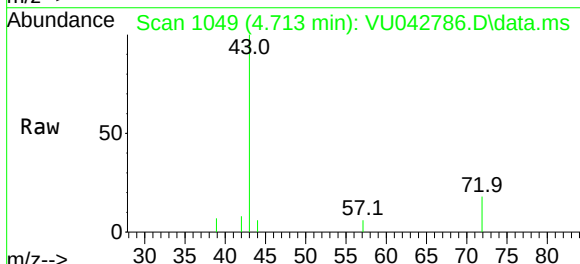
Ion	Ratio	Lower	Upper
84	100		
49	142.2	113.0	169.4
51	45.1	32.9	49.3
86	63.1	50.5	75.7

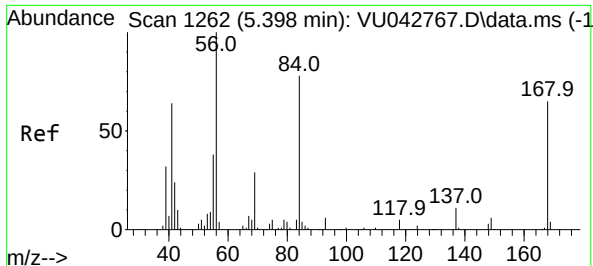


#25
2-Butanone
Concen: 3.73 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. -0.000 min
Lab File: VU042786.D
Acq: 25 Mar 2021 15:36

Tgt Ion: 43 Resp: 5056

Ion	Ratio	Lower	Upper
43	100		
72	18.5	17.7	26.5

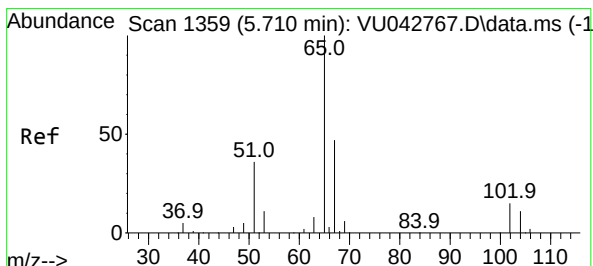
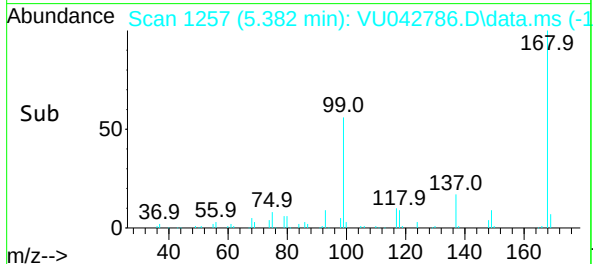
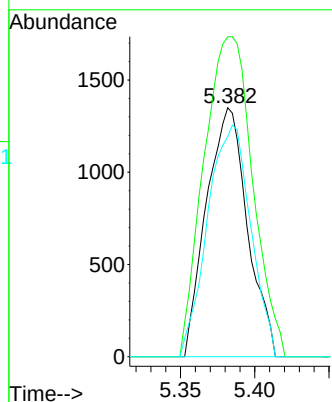
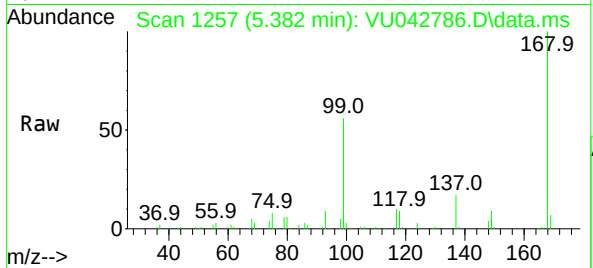




#31
Cyclohexane
Concen: 1.25 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.016 min
Lab File: VU042786.D
Acq: 25 Mar 2021 15:36

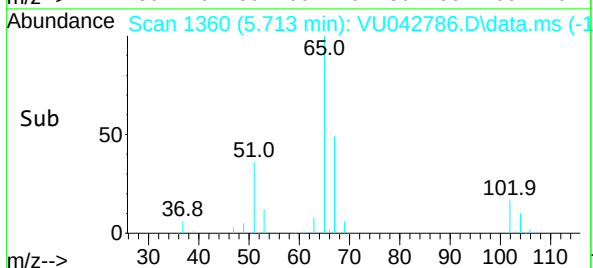
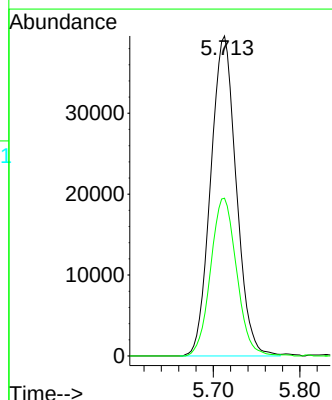
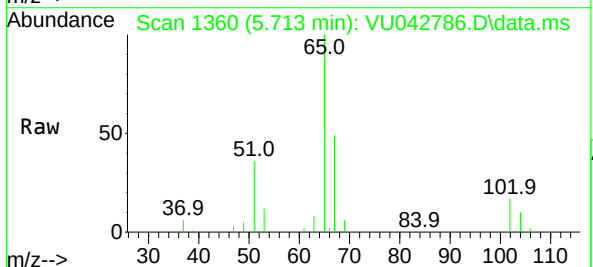
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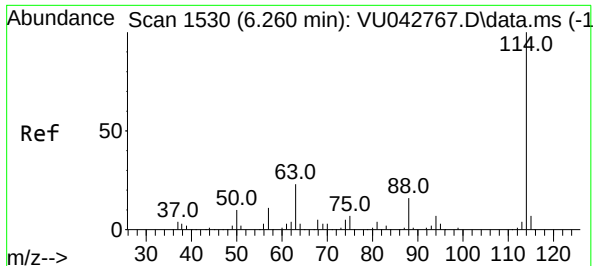
Tgt Ion: 56 Resp: 2590
Ion Ratio Lower Upper
56 100
69 128.4 23.3 34.9#
84 88.4 62.2 93.4



#33
1,2-Dichloroethane-d4
Concen: 48.78 ug/l
RT: 5.713 min Scan# 1360
Delta R.T. 0.003 min
Lab File: VU042786.D
Acq: 25 Mar 2021 15:36

Tgt Ion: 65 Resp: 81199
Ion Ratio Lower Upper
65 100
67 50.0 0.0 98.8

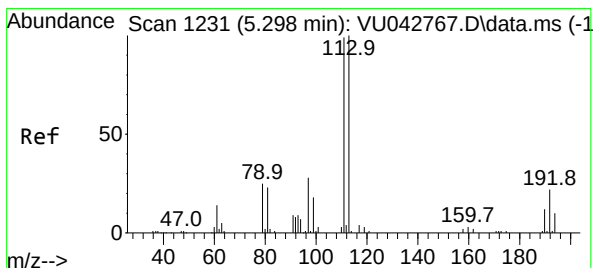
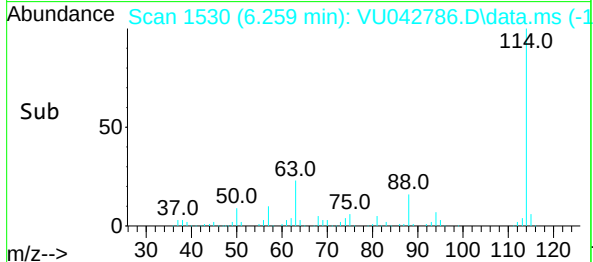
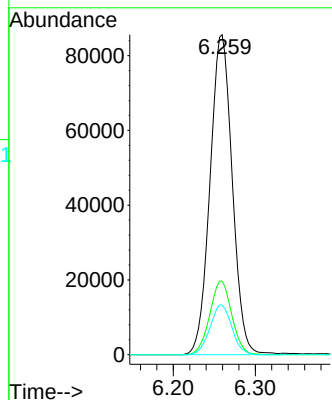
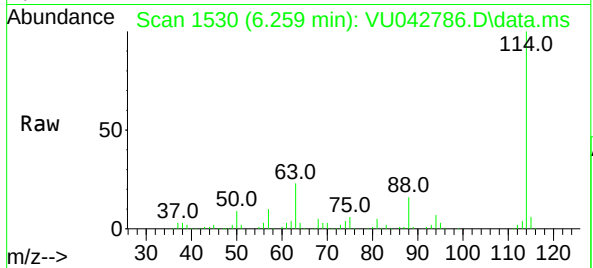




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.259 min Scan# 1530
Delta R.T. -0.001 min
Lab File: VU042786.D
Acq: 25 Mar 2021 15:36

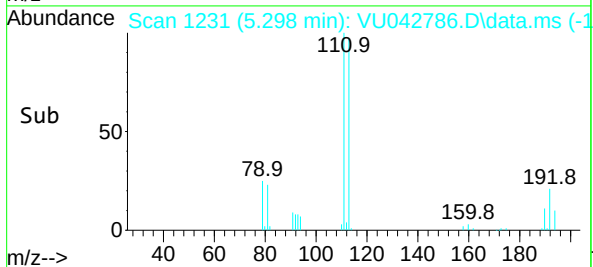
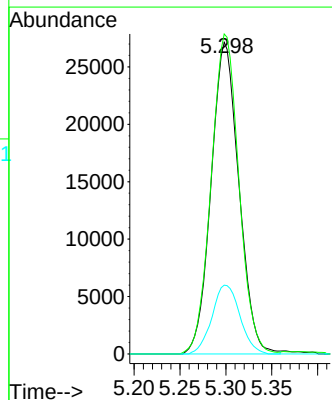
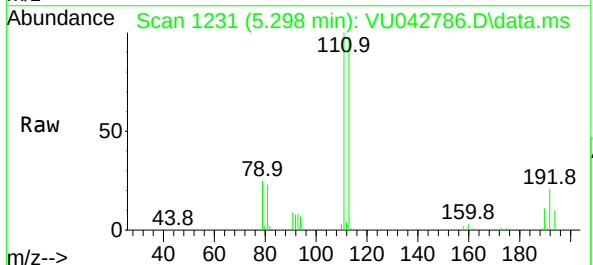
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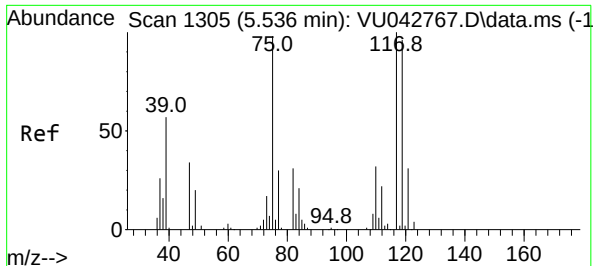
Tgt Ion:	114	Resp:	161130
Ion Ratio	Lower	Upper	
114	100		
63	23.0	0.0	46.8
88	15.5	0.0	32.2



#35
Dibromofluoromethane
Concen: 47.51 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VU042786.D
Acq: 25 Mar 2021 15:36

Tgt Ion:	113	Resp:	57128
Ion Ratio	Lower	Upper	
113	100		
111	102.4	82.1	123.1
192	22.3	17.6	26.4

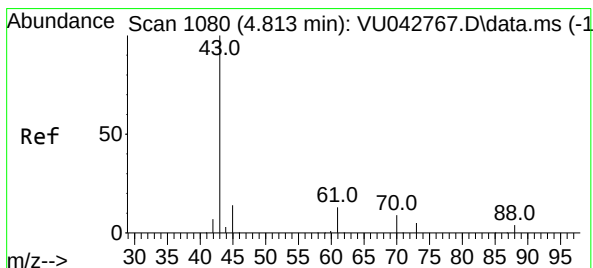
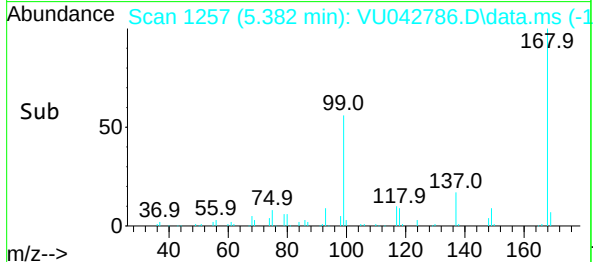
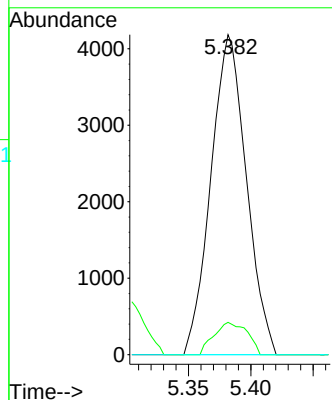
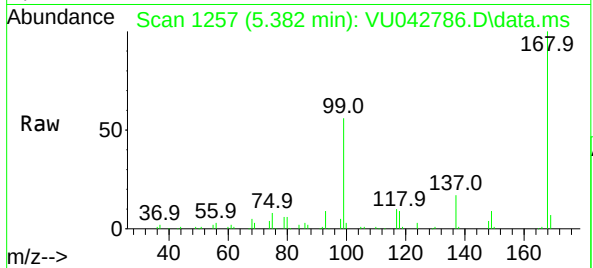




#36
1,1-Dichloropropene
Concen: 5.19 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.154 min
Lab File: VU042786.D
Acq: 25 Mar 2021 15:36

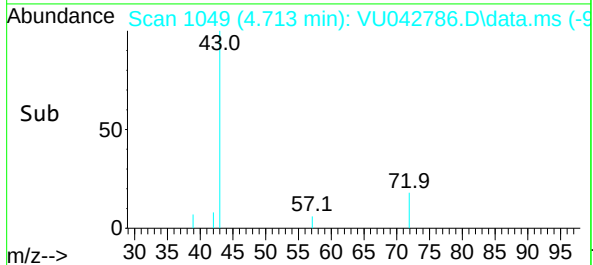
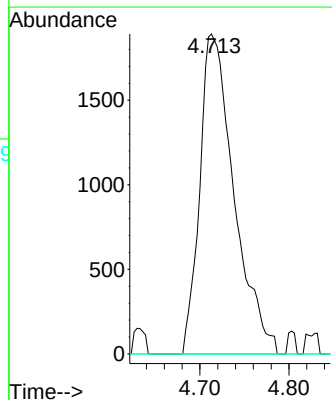
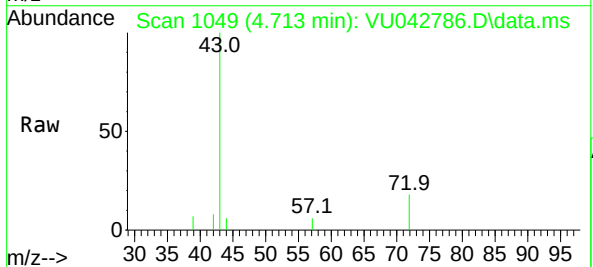
Instrument :
MSVOA_U
ClientSampleId :
GRAY-INTERIOR-BLOCK-1-2

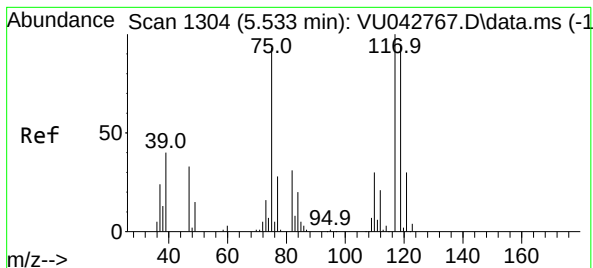
Tgt Ion: 75 Resp: 8272
Ion Ratio Lower Upper
75 100
110 9.5 16.6 49.7#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 2.04 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. -0.100 min
Lab File: VU042786.D
Acq: 25 Mar 2021 15:36

Tgt Ion: 43 Resp: 5056
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.0 6.6 9.8#

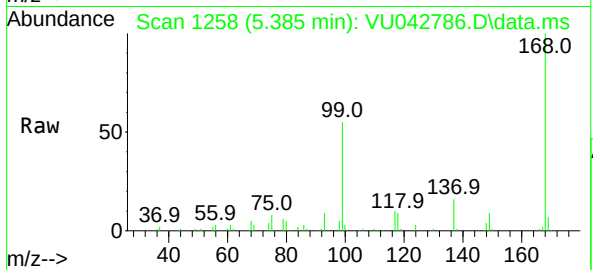




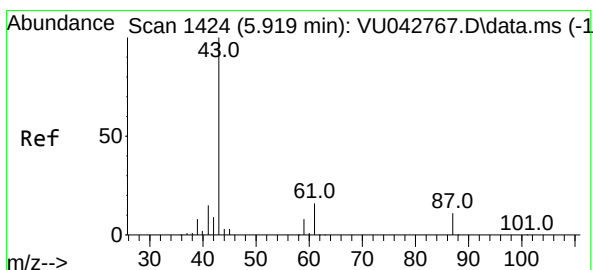
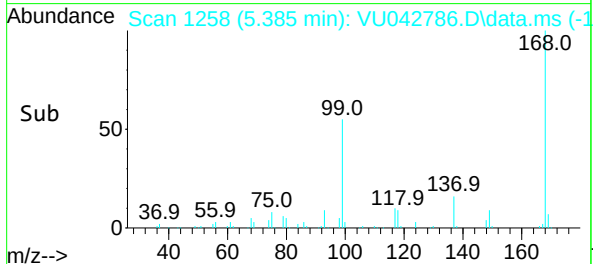
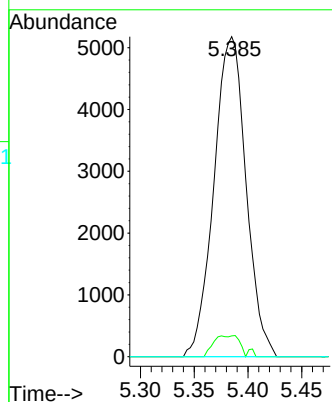
#38

Carbon Tetrachloride
Concen: 5.92 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU042786.D
Acq: 25 Mar 2021 15:36

Instrument :
MSVOA_U
ClientSampleId :
GRAY-INTERIOR-BLOCK-1-2

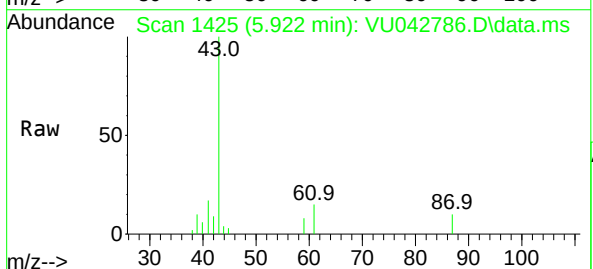


Tgt Ion:117 Resp: 10768
Ion Ratio Lower Upper
117 100
119 6.5 75.2 112.8#
121 0.0 24.2 36.4#

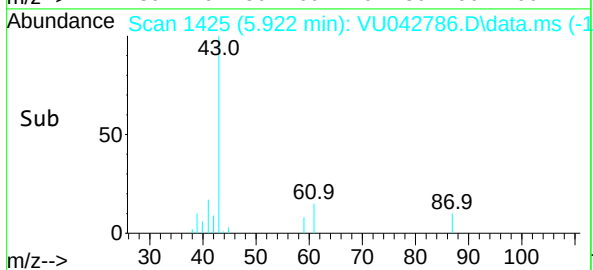
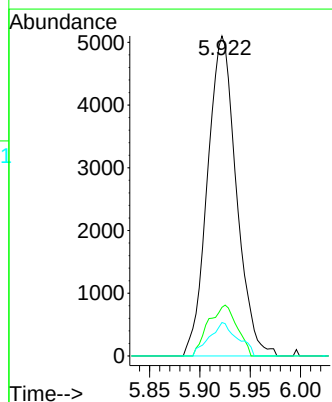


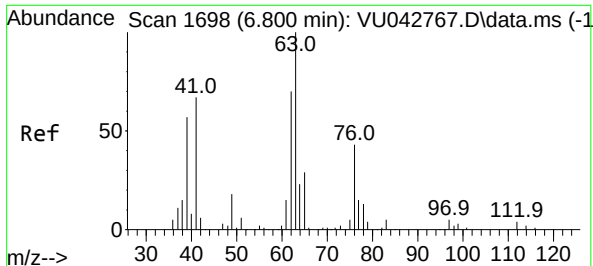
#43

Isopropyl Acetate
Concen: 2.73 ug/l
RT: 5.922 min Scan# 1425
Delta R.T. 0.003 min
Lab File: VU042786.D
Acq: 25 Mar 2021 15:36



Tgt Ion: 43 Resp: 10181
Ion Ratio Lower Upper
43 100
61 15.8 13.4 20.0
87 10.2 8.7 13.1

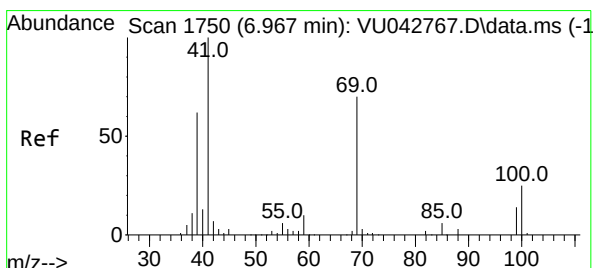
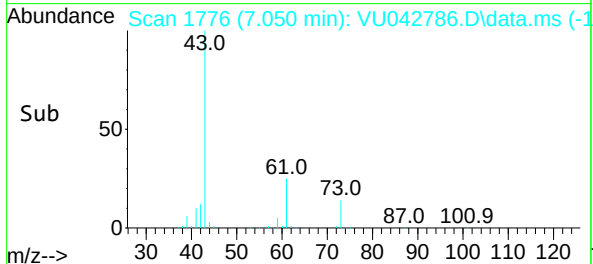
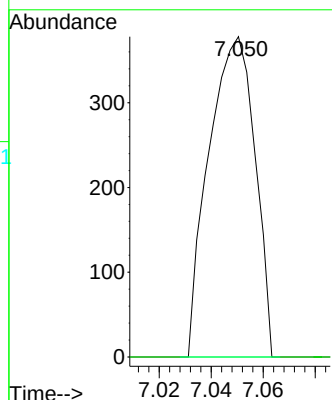
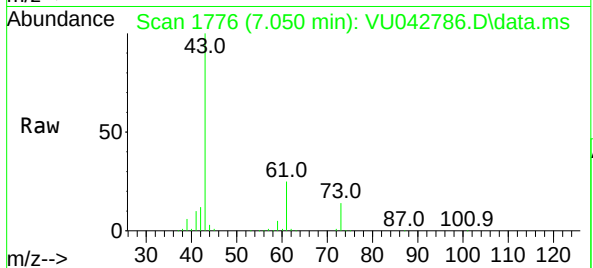




#45
1,2-Dichloropropane
Concen: 0.37 ug/l
RT: 7.050 min Scan# 1776
Delta R.T. 0.251 min
Lab File: VU042786.D
Acq: 25 Mar 2021 15:36

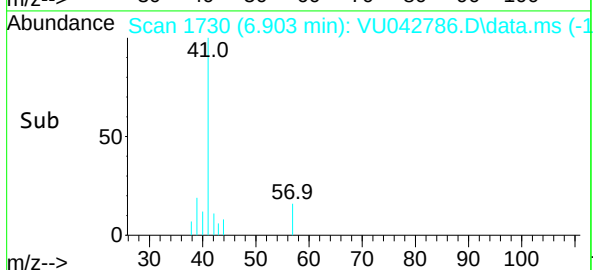
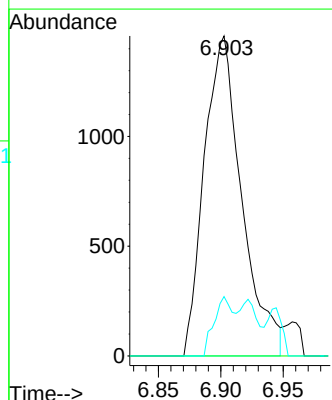
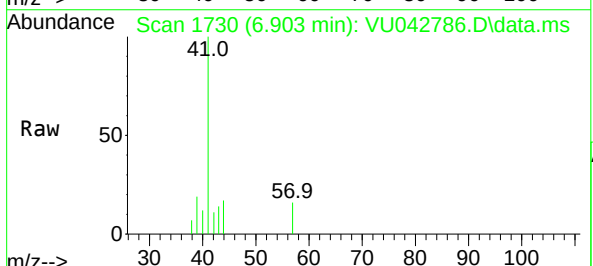
Instrument :
MSVOA_U
ClientSampleId :
GRAY-INTERIOR-BLOCK-1-2

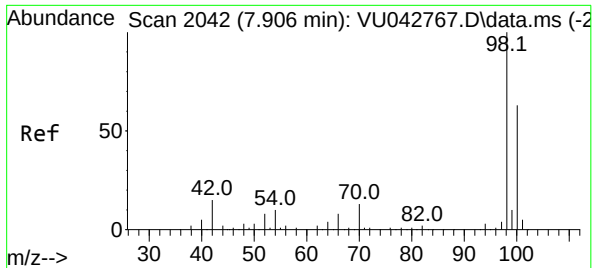
Tgt Ion: 63 Resp: 466
Ion Ratio Lower Upper
63 100
65 0.0 23.5 35.3#



#48
Methyl methacrylate
Concen: 1.70 ug/l
RT: 6.903 min Scan# 1730
Delta R.T. -0.064 min
Lab File: VU042786.D
Acq: 25 Mar 2021 15:36

Tgt Ion: 41 Resp: 3051
Ion Ratio Lower Upper
41 100
69 0.0 55.9 83.9#
39 0.0 49.7 74.5#

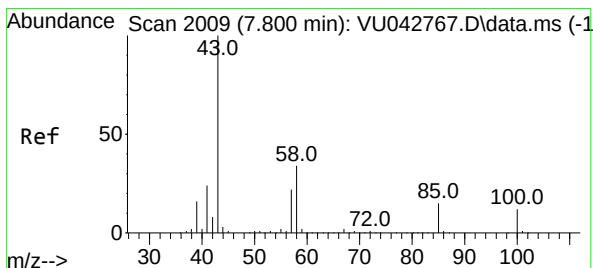
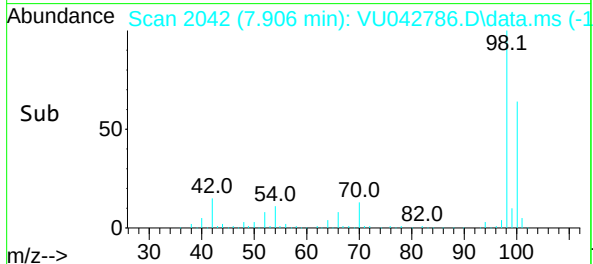
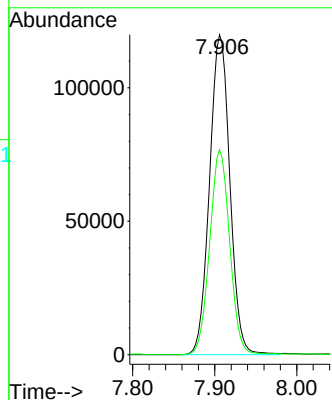
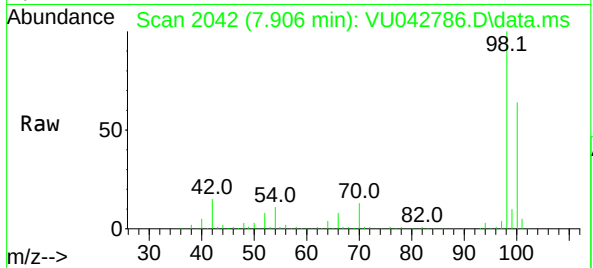




#50
Toluene-d8
Concen: 48.83 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU042786.D
Acq: 25 Mar 2021 15:36

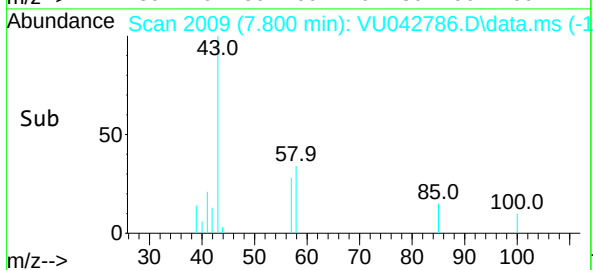
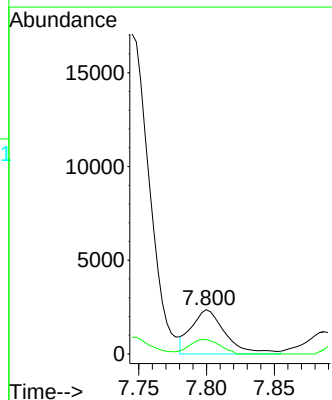
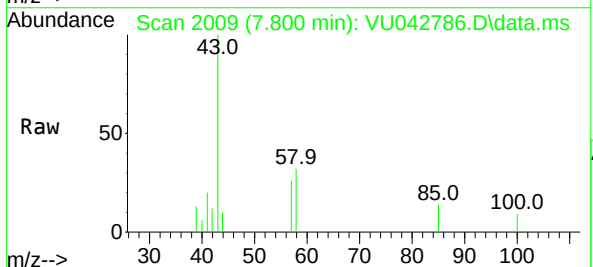
Instrument :
MSVOA_U
ClientSampleId :
GRAY-INTERIOR-BLOCK-1-2

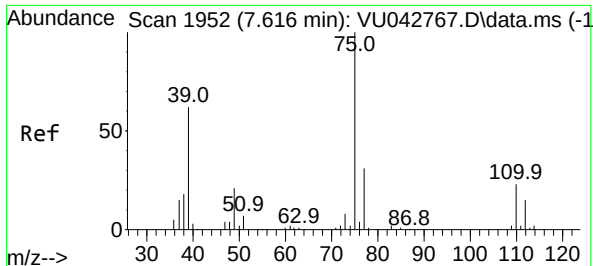
Tgt Ion: 98 Resp: 206588
Ion Ratio Lower Upper
98 100
100 63.1 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 1.58 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU042786.D
Acq: 25 Mar 2021 15:36

Tgt Ion: 43 Resp: 4126
Ion Ratio Lower Upper
43 100
58 29.5 27.4 41.2

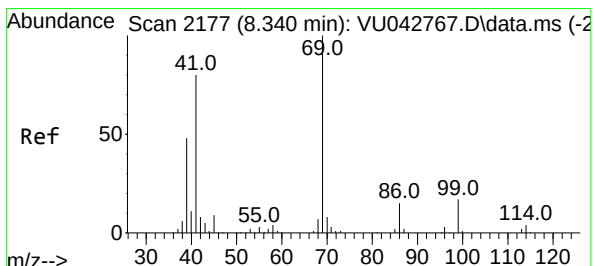
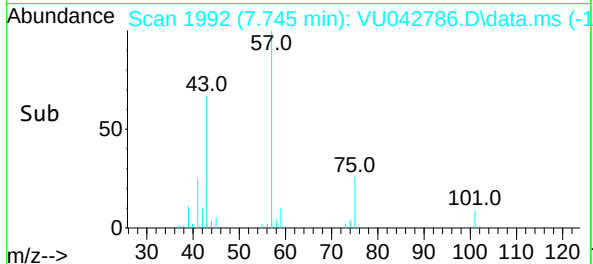
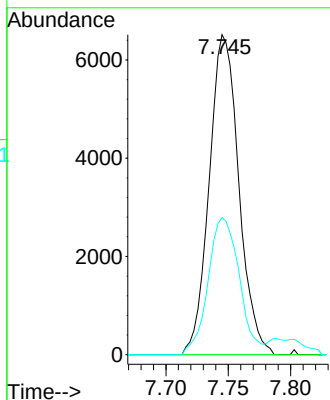
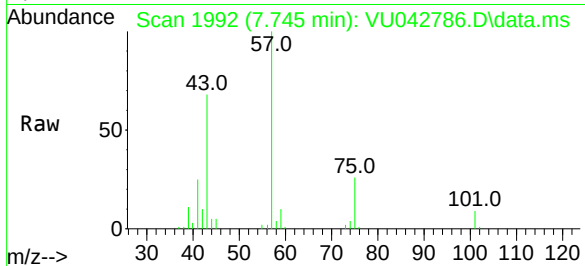




#54
 cis-1,3-Dichloropropene
 Concen: 5.31 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.128 min
 Lab File: VU042786.D
 Acq: 25 Mar 2021 15:36

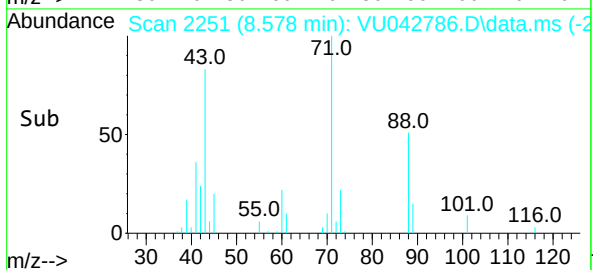
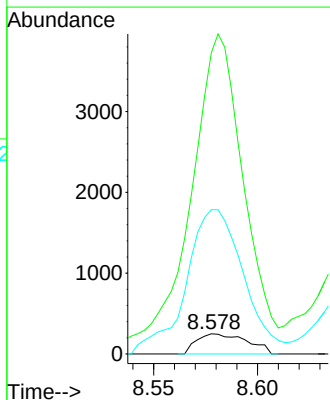
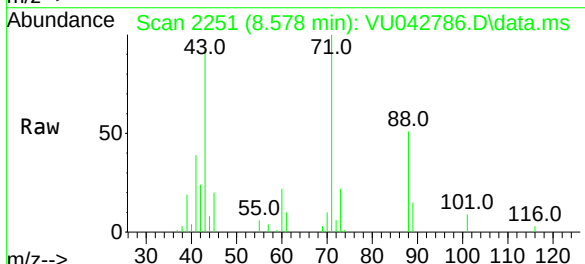
Instrument :
 MSVOA_U
 ClientSampleId :
 GRAY-INTERIOR-BLOCK-1-2

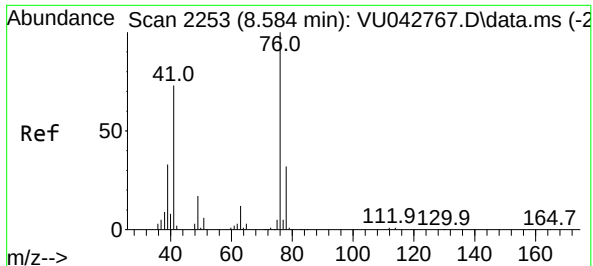
Tgt Ion: 75 Resp: 10783
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 42.8 49.2 73.8#



#56
 Ethyl methacrylate
 Concen: 0.22 ug/l
 RT: 8.578 min Scan# 2251
 Delta R.T. 0.238 min
 Lab File: VU042786.D
 Acq: 25 Mar 2021 15:36

Tgt Ion: 69 Resp: 419
 Ion Ratio Lower Upper
 69 100
 41 1707.2 64.6 97.0#
 39 821.0 38.2 57.2#





#57

1,3-Dichloropropane

Concen: 2.00 ug/l

RT: 8.732 min Scan# 2299

Delta R.T. 0.148 min

Lab File: VU042786.D

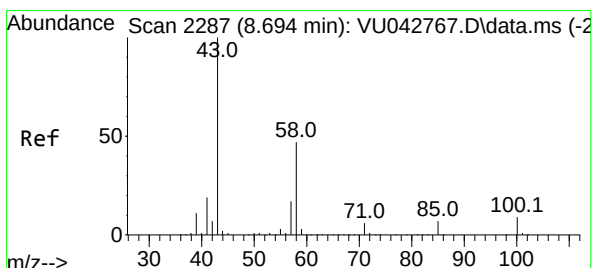
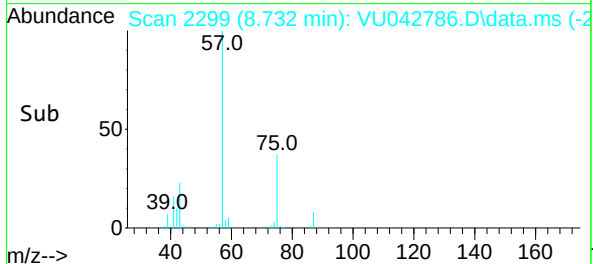
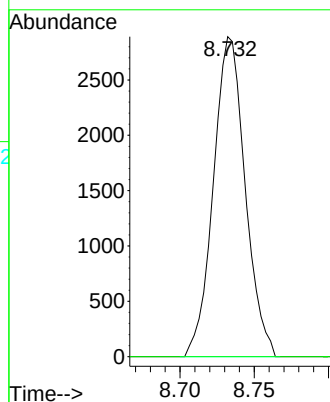
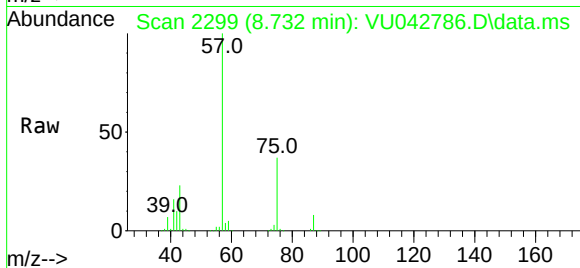
Acq: 25 Mar 2021 15:36

Tgt Ion: 76 Resp: 4307

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 38.18 ug/l

RT: 8.735 min Scan# 2300

Delta R.T. 0.042 min

Lab File: VU042786.D

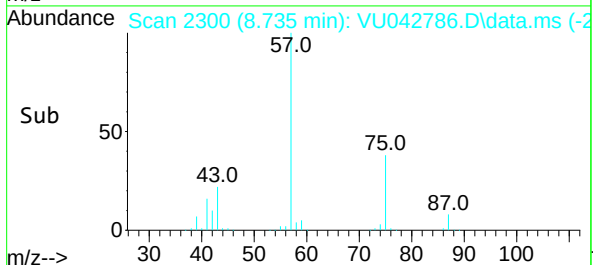
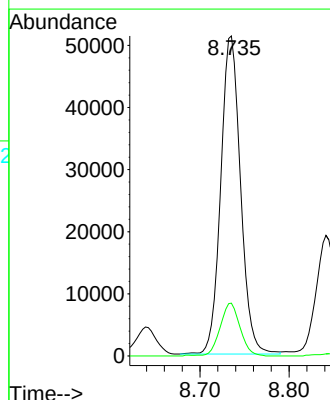
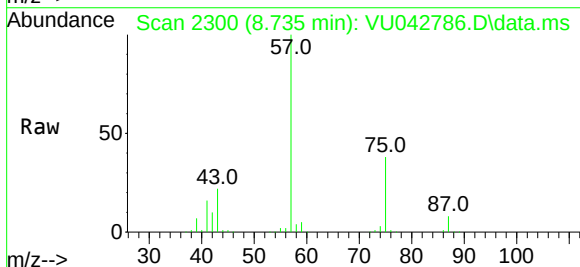
Acq: 25 Mar 2021 15:36

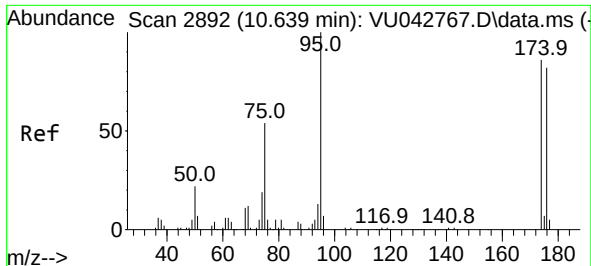
Tgt Ion: 43 Resp: 79126

Ion Ratio Lower Upper

43 100

58 16.7 23.8 71.2#

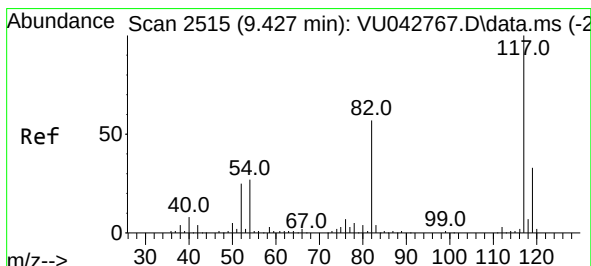
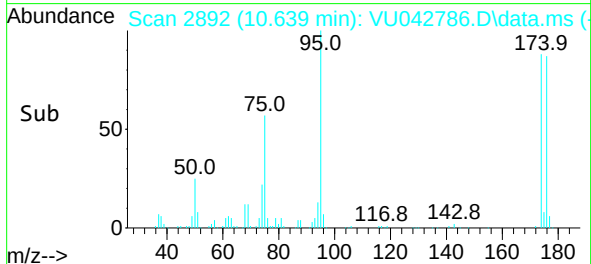
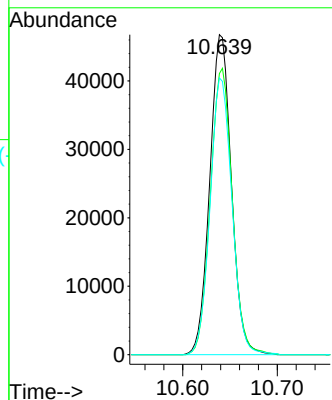
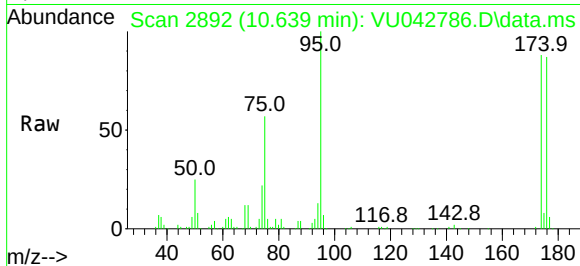




#62
4-Bromofluorobenzene
Concen: 45.26 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU042786.D
Acq: 25 Mar 2021 15:36

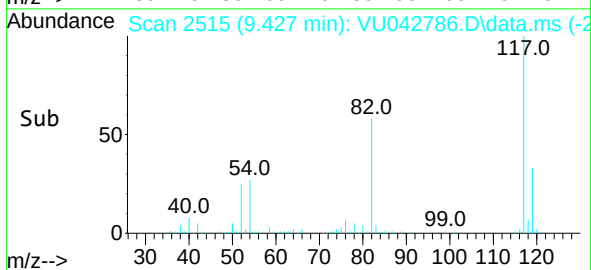
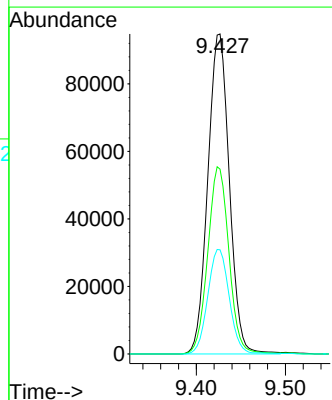
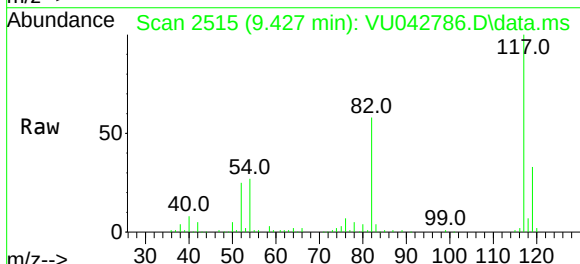
Instrument :
MSVOA_U
ClientSampleId :
GRAY-INTERIOR-BLOCK-1-2

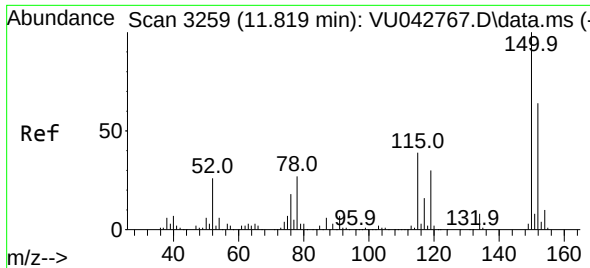
Tgt Ion:	95	Resp:	74415
Ion Ratio	Lower	Upper	
95	100		
174	90.7	0.0	175.2
176	87.4	0.0	167.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.427 min Scan# 2515
Delta R.T. -0.000 min
Lab File: VU042786.D
Acq: 25 Mar 2021 15:36

Tgt Ion:	117	Resp:	158847
Ion Ratio	Lower	Upper	
117	100		
82	57.8	45.5	68.3
119	32.6	26.2	39.4

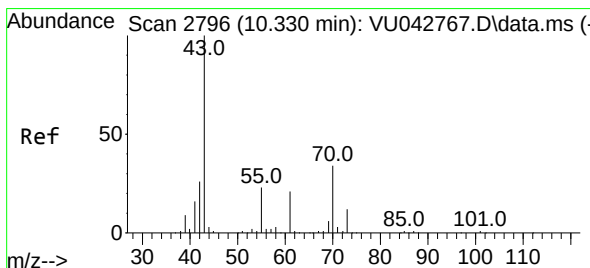
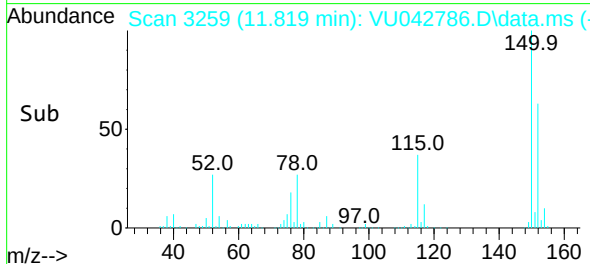
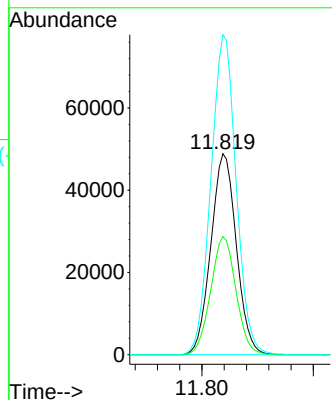
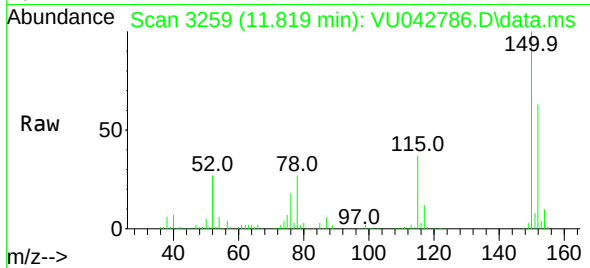




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU042786.D
 Acq: 25 Mar 2021 15:36

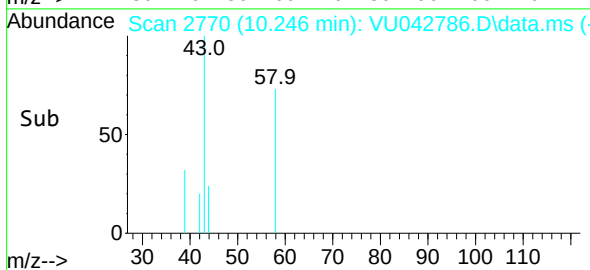
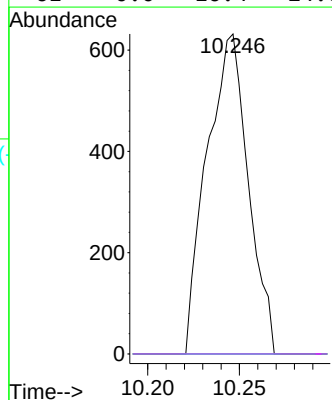
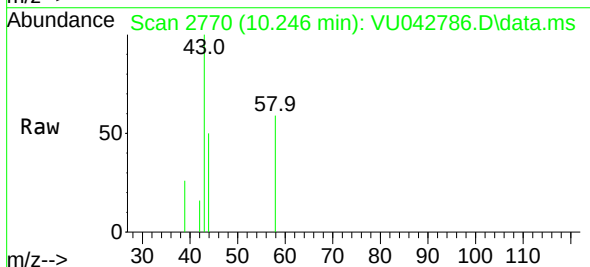
Instrument :
 MSVOA_U
 ClientSampleId :
 GRAY-INTERIOR-BLOCK-1-2

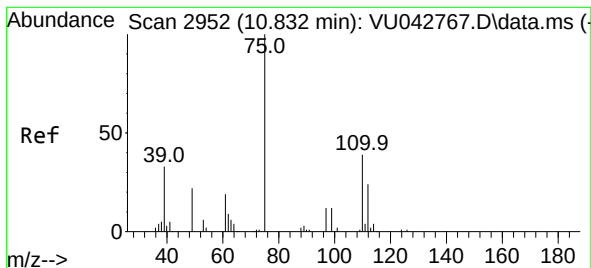
Tgt Ion:152 Resp: 77597
 Ion Ratio Lower Upper
 152 100
 115 58.3 41.0 123.0
 150 157.6 0.0 341.0



#74
 N-ethyl acetate
 Concen: 0.36 ug/l
 RT: 10.246 min Scan# 2770
 Delta R.T. -0.084 min
 Lab File: VU042786.D
 Acq: 25 Mar 2021 15:36

Tgt Ion: 43 Resp: 989
 Ion Ratio Lower Upper
 43 100
 70 0.0 27.8 41.6#
 55 0.0 18.4 27.6#
 61 0.0 16.4 24.6#

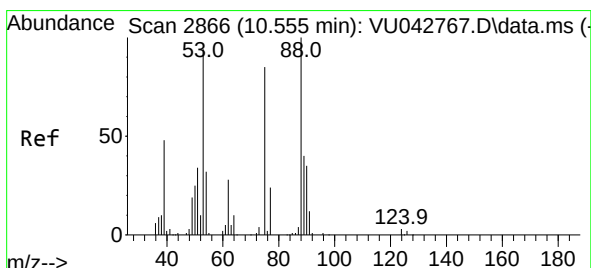
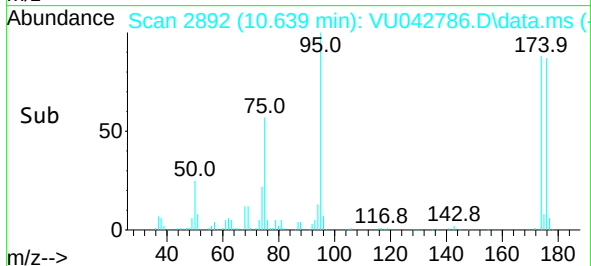
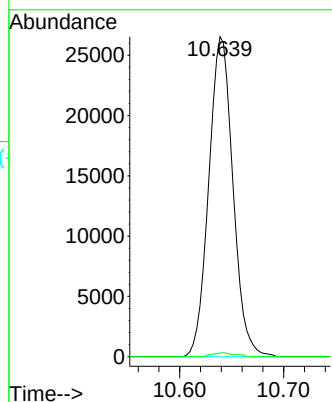
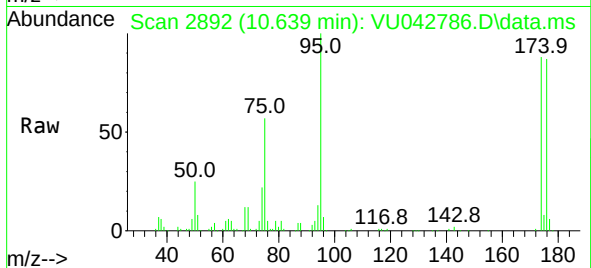




#76
1,2,3-Trichloropropane
Concen: 21.72 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU042786.D
Acq: 25 Mar 2021 15:36

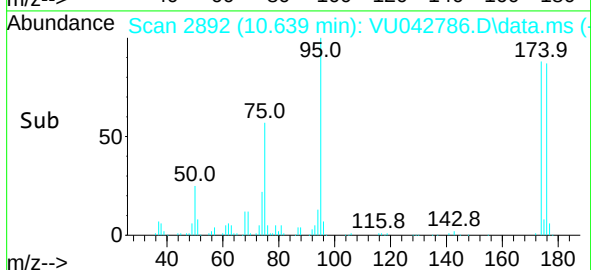
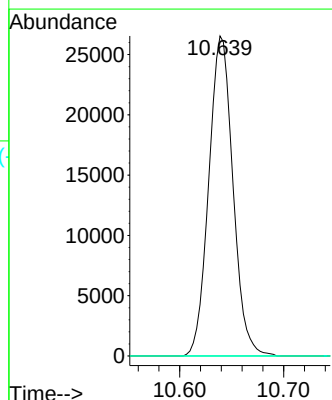
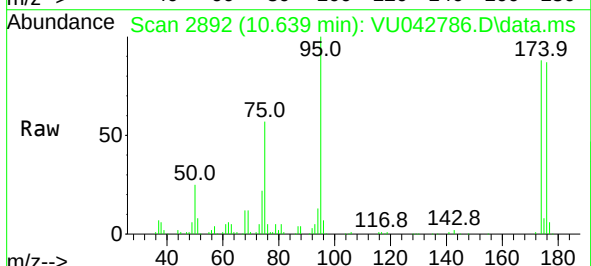
Instrument :
MSVOA_U
ClientSampleId :
GRAY-INTERIOR-BLOCK-1-2

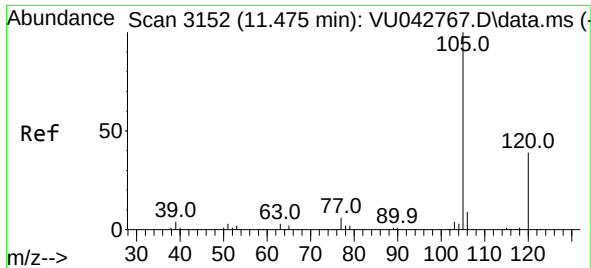
Tgt Ion: 75 Resp: 42865
Ion Ratio Lower Upper
75 100
77 1.1 19.6 58.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.35 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.083 min
Lab File: VU042786.D
Acq: 25 Mar 2021 15:36

Tgt Ion: 75 Resp: 42865
Ion Ratio Lower Upper
75 100
53 0.0 88.3 132.5#
89 0.0 35.7 53.5#

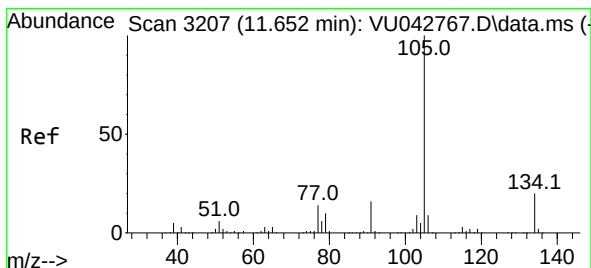
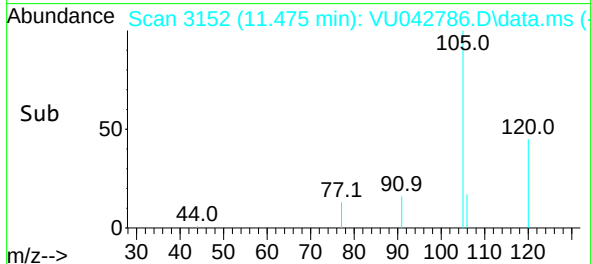
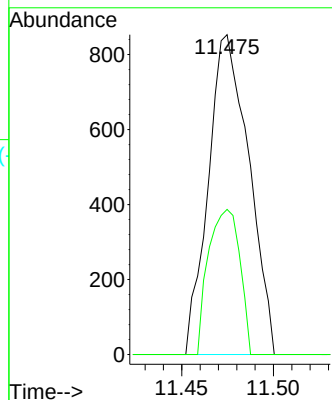
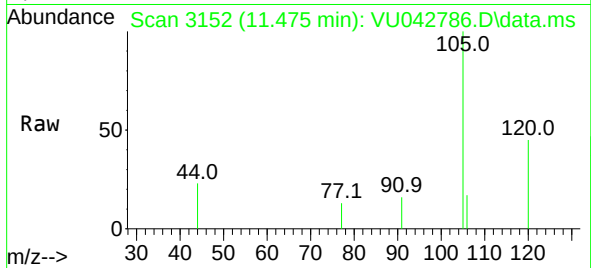




#84
1,2,4-Trimethylbenzene
Concen: 0.31 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VU042786.D
Acq: 25 Mar 2021 15:36

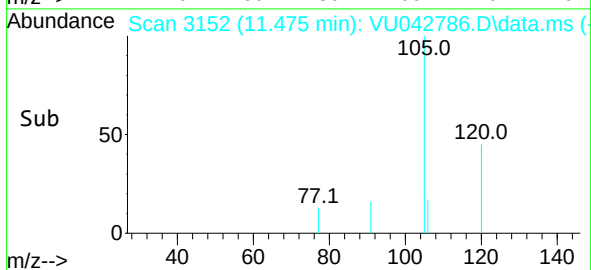
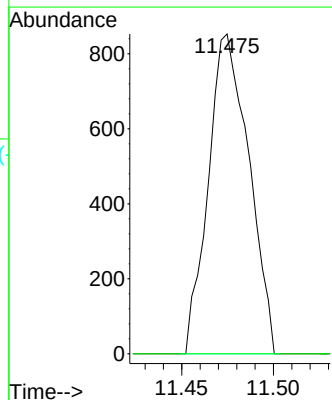
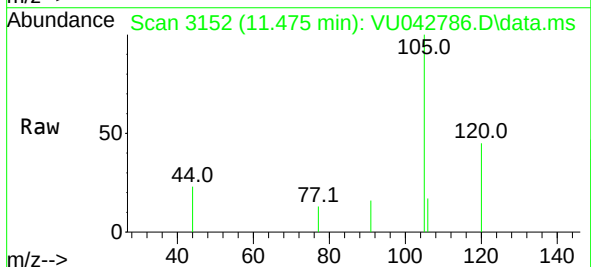
Instrument :
MSVOA_U
ClientSampleId :
GRAY-INTERIOR-BLOCK-1-2

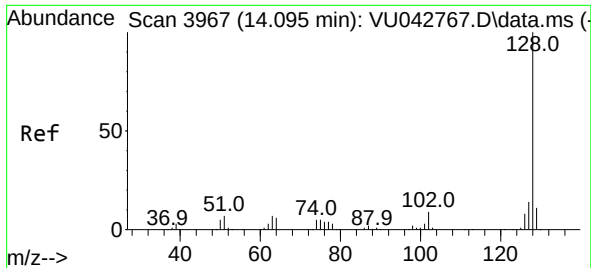
Tgt Ion:105 Resp: 1313
Ion Ratio Lower Upper
105 100
120 35.0 22.3 66.8



#85
sec-Butylbenzene
Concen: 0.27 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. -0.177 min
Lab File: VU042786.D
Acq: 25 Mar 2021 15:36

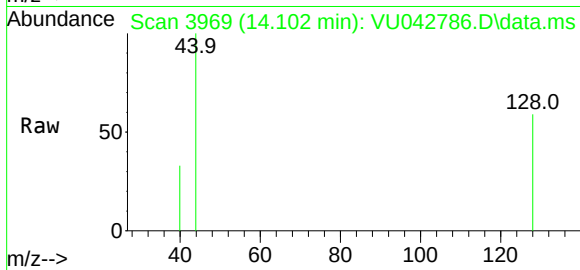
Tgt Ion:105 Resp: 1313
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.5#





#95
Naphthalene
Concen: 2.60 ug/l
RT: 14.102 min Scan# 3969
Delta R.T. 0.007 min
Lab File: VU042786.D
Acq: 25 Mar 2021 15:36

Instrument :
MSVOA_U
ClientSampleId :
GRAY-INTERIOR-BLOCK-1-2



Tgt Ion:128 Resp: 158
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.7 13.1#

