

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041921\
 Data File : VU043202.D
 Acq On : 19 Apr 2021 18:21
 Operator : SY/MD
 Sample : PB135814ZHE#05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

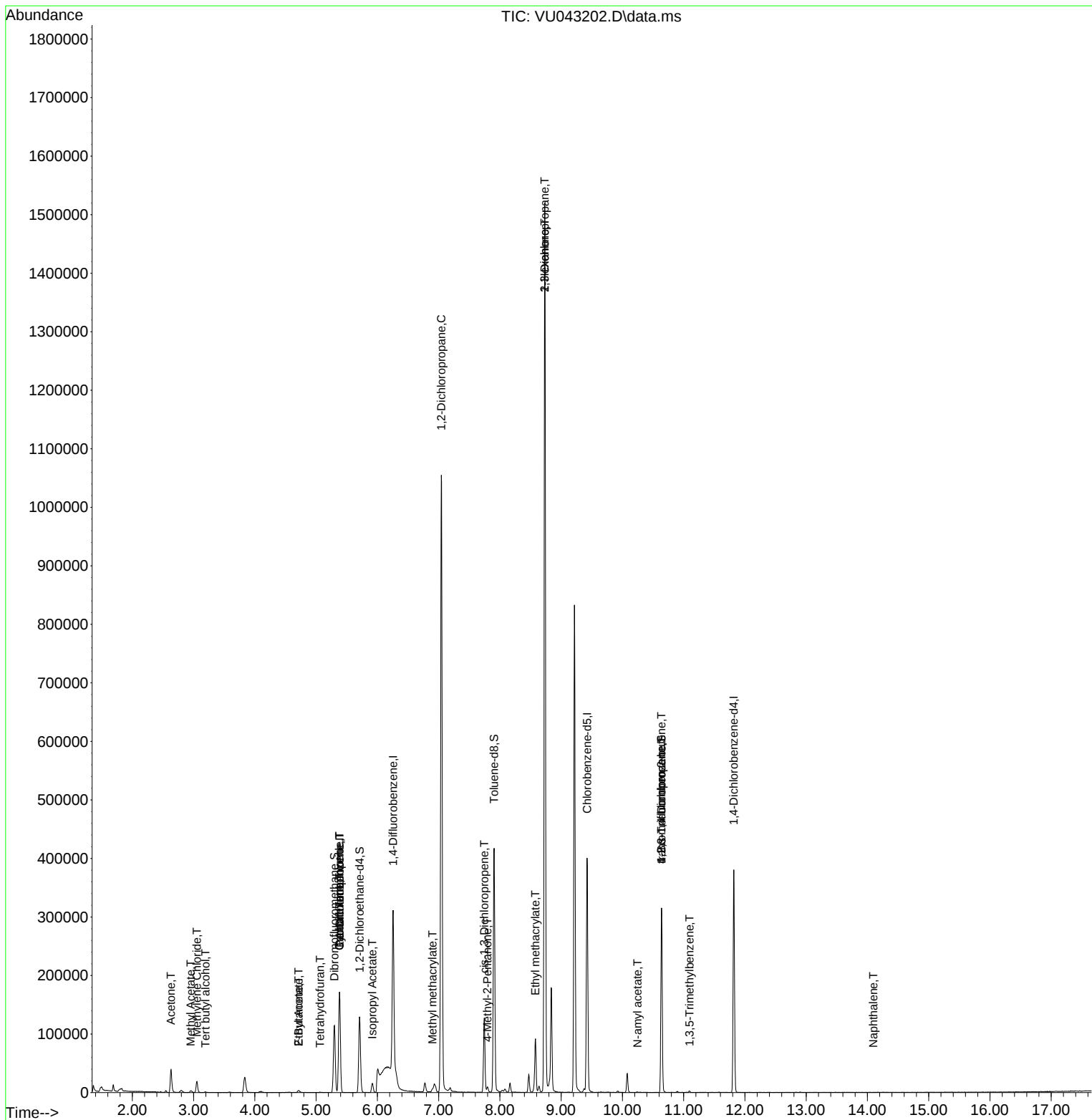
Quant Time: Apr 20 02:58:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U041221W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 12 13:17:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.382	168	117059	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	203024	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	197717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	91182	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	100070	50.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.70%	
35) Dibromofluoromethane	5.298	113	69884	45.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.62%	
50) Toluene-d8	7.906	98	255965	47.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.84%	
62) 4-Bromofluorobenzene	10.639	95	90429	41.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.66%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	334	Below Cal	#	41
11) Tert butyl alcohol	3.195	59	1479	2.92	ug/l #	94
16) Acetone	2.629	43	46954	40.29	ug/l	99
18) Methyl Acetate	2.951	43	4976	2.02	ug/l	93
20) Methylene Chloride	3.054	84	7885	5.64	ug/l	99
25) 2-Butanone	4.713	43	6592	3.69	ug/l #	89
29) Tetrahydrofuran	5.063	42	440	0.39	ug/l #	37
31) Cyclohexane	5.378	56	2968	1.22	ug/l #	37
36) 1,1-Dichloropropene	5.382	75	9964	4.63	ug/l #	51
37) Ethyl Acetate	4.713	43	6592	1.79	ug/l #	71
38) Carbon Tetrachloride	5.378	117	11774	5.10	ug/l #	16
43) Isopropyl Acetate	5.919	43	17582	3.35	ug/l	95
45) 1,2-Dichloropropane	7.044	63	1018	0.59	ug/l #	43
48) Methyl methacrylate	6.899	41	6796	2.58	ug/l #	17
51) 4-Methyl-2-Pentanone	7.796	43	5929	1.53	ug/l	98
54) cis-1,3-Dichloropropene	7.745	75	18724	6.94	ug/l #	73
56) Ethyl methacrylate	8.578	69	667	0.25	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	12485	4.42	ug/l #	43
59) 2-Hexanone	8.732	43	237473	74.22	ug/l #	53
74) N-amyl acetate	10.246	43	1005	0.26	ug/l #	48
76) 1,2,3-Trichloropropane	10.639	75	53601	20.12	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.095	105	1866	0.35	ug/l	87
81) trans-1,4-Dichloro-2-b...	10.639	75	53601	59.11	ug/l #	7
95) Naphthalene	14.098	128	127	2.76	ug/l #	69

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

Quant Time: Apr 20 02:58:13 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U041221W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 12 13:17:29 2021
Response via : Initial Calibration

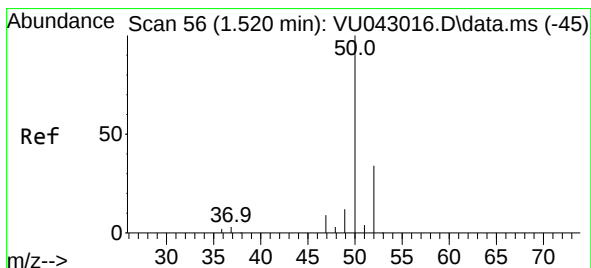
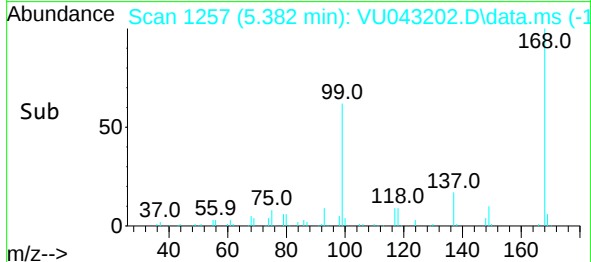
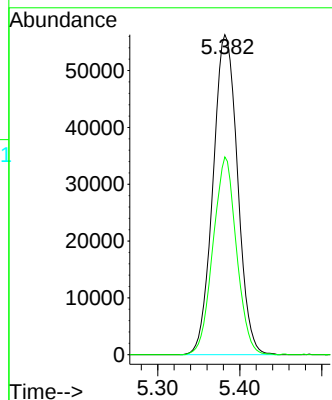
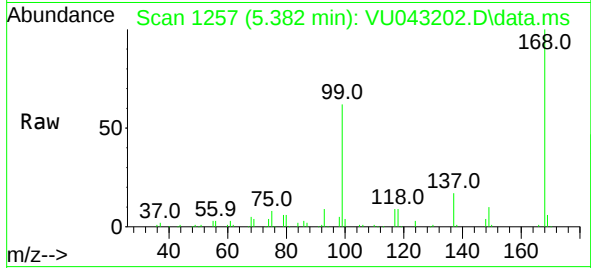




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043202.D
Acq: 19 Apr 2021 18:21

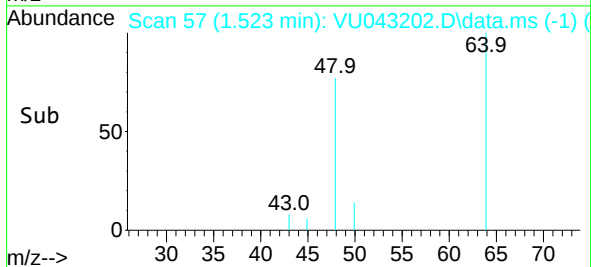
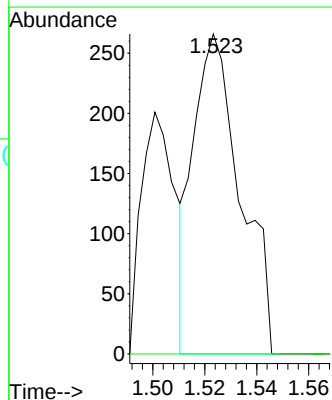
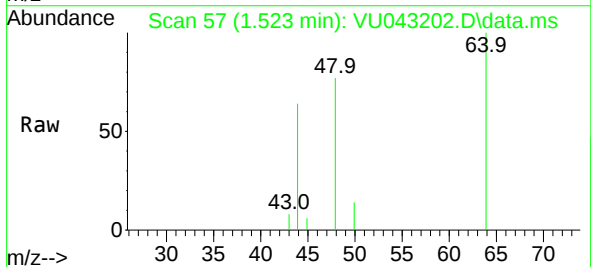
Instrument :
MSVOA_U
ClientSampleId :

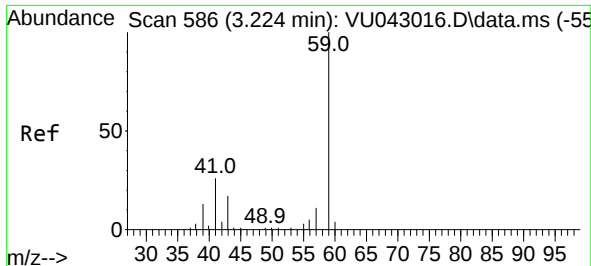
Tgt Ion:168 Resp: 117059
Ion Ratio Lower Upper
168 100
99 61.8 45.0 67.4



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043202.D
Acq: 19 Apr 2021 18:21

Tgt Ion: 50 Resp: 334
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

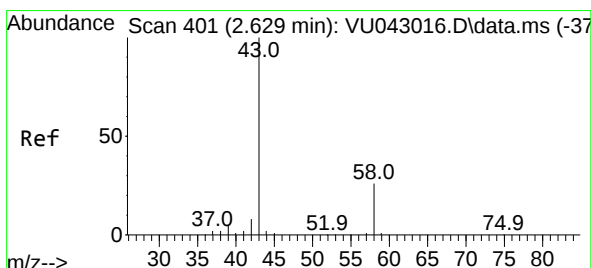
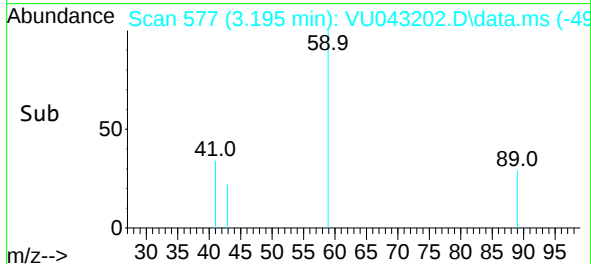
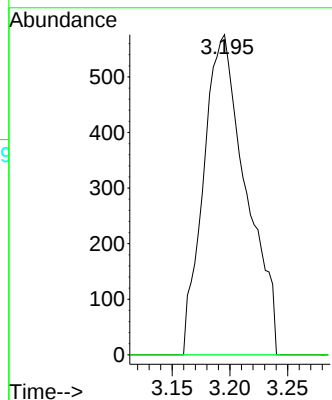
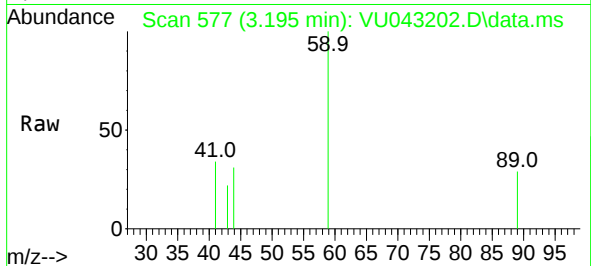




#11
Tert butyl alcohol
Concen: 2.92 ug/l
RT: 3.195 min Scan# 577
Delta R.T. -0.029 min
Lab File: VU043202.D
Acq: 19 Apr 2021 18:21

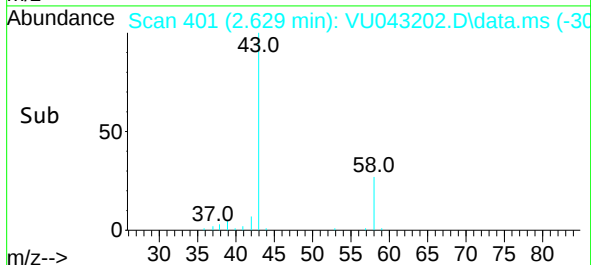
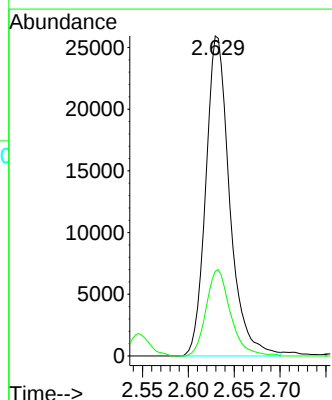
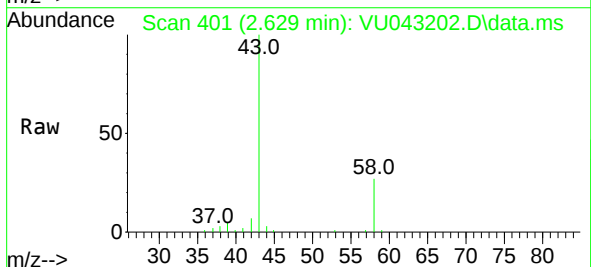
Instrument :
MSVOA_U
ClientSampleId :

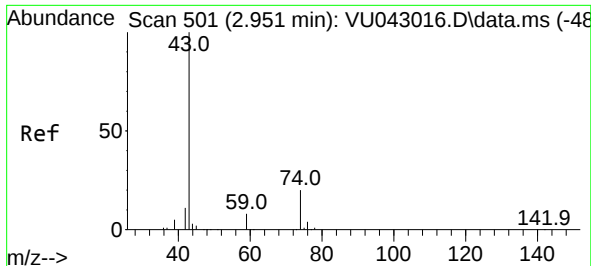
Tgt Ion: 59 Resp: 1479
Ion Ratio Lower Upper
59 100
57 0.0 1.6 2.4#



#16
Acetone
Concen: 40.29 ug/l
RT: 2.629 min Scan# 401
Delta R.T. 0.000 min
Lab File: VU043202.D
Acq: 19 Apr 2021 18:21

Tgt Ion: 43 Resp: 46954
Ion Ratio Lower Upper
43 100
58 26.5 21.5 32.3

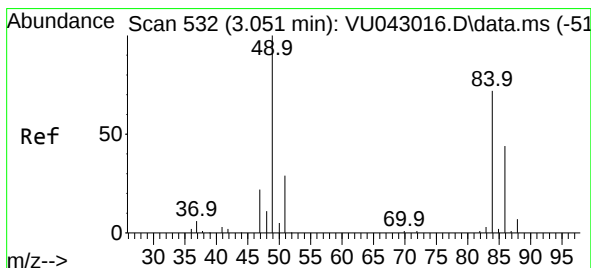
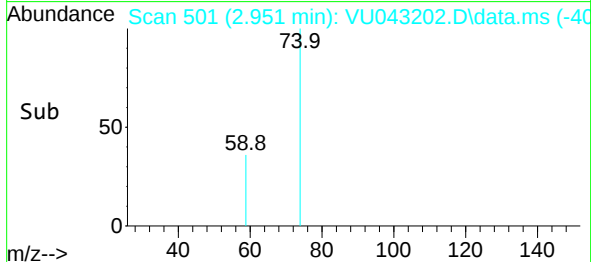
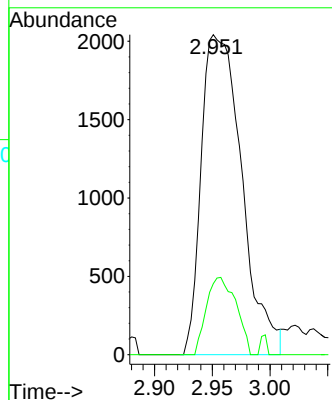
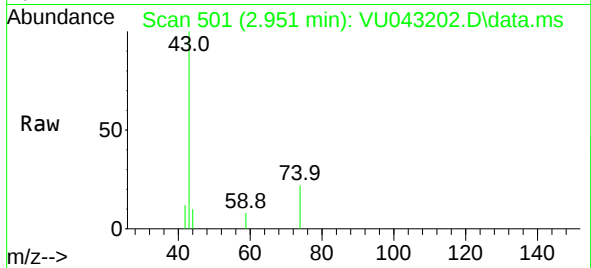




#18
Methyl Acetate
Concen: 2.02 ug/l
RT: 2.951 min Scan# 501
Delta R.T. -0.000 min
Lab File: VU043202.D
Acq: 19 Apr 2021 18:21

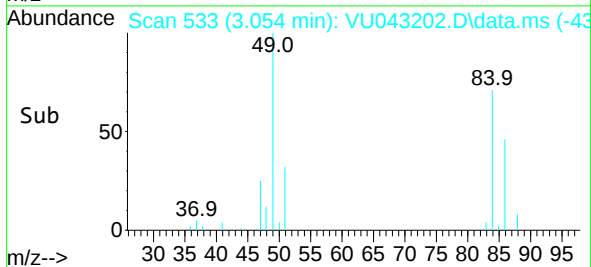
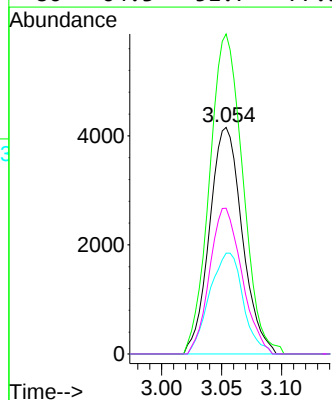
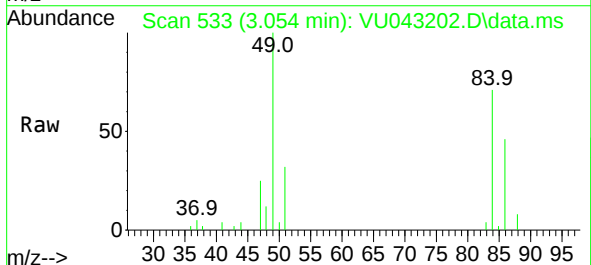
Instrument :
MSVOA_U
ClientSampled :

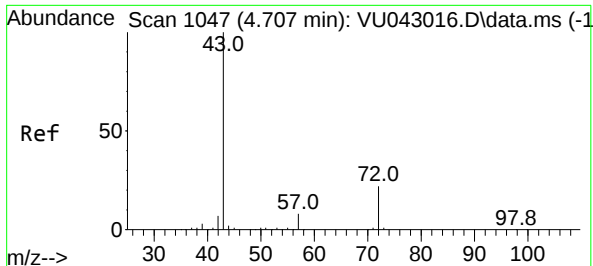
Tgt Ion: 43 Resp: 4976
Ion Ratio Lower Upper
43 100
74 17.7 16.6 25.0



#20
Methylene Chloride
Concen: 5.64 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU043202.D
Acq: 19 Apr 2021 18:21

Tgt Ion: 84 Resp: 7885
Ion Ratio Lower Upper
84 100
49 141.2 112.6 169.0
51 44.5 33.7 50.5
86 64.3 51.7 77.5

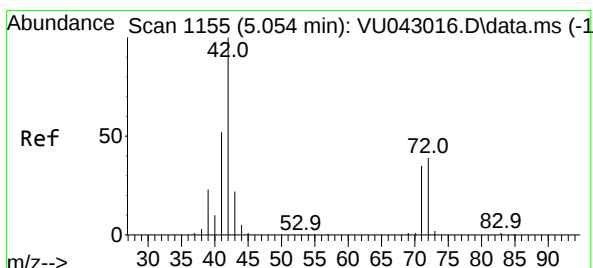
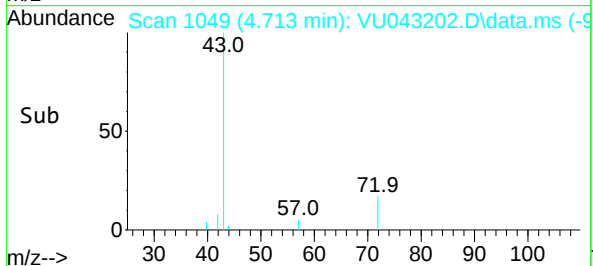
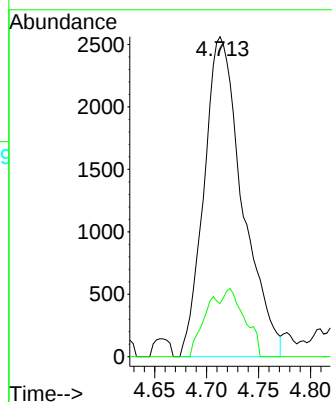
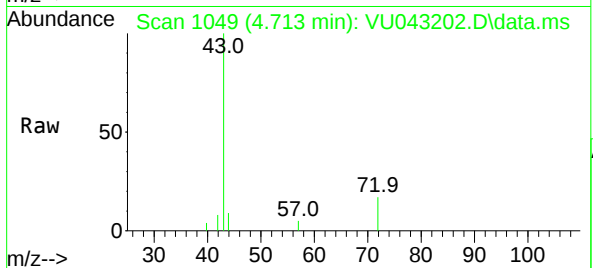




#25
2-Butanone
Concen: 3.69 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. 0.006 min
Lab File: VU043202.D
Acq: 19 Apr 2021 18:21

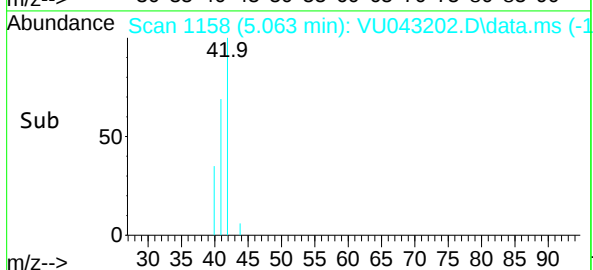
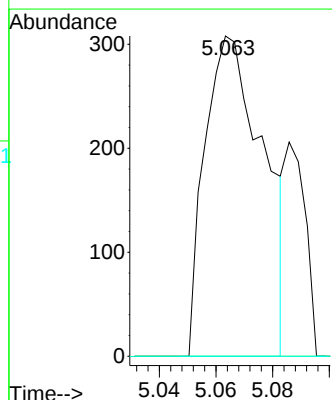
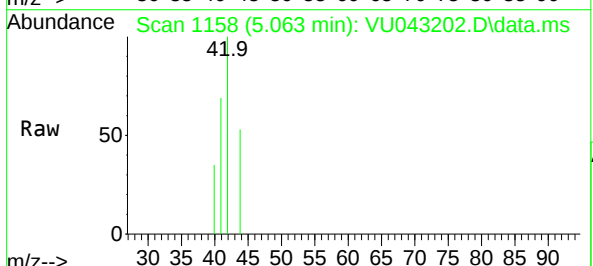
Instrument :
MSVOA_U
ClientSampled :

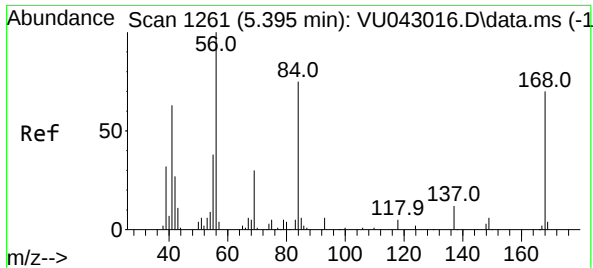
Tgt Ion: 43 Resp: 6592
Ion Ratio Lower Upper
43 100
72 16.6 17.4 26.0#



#29
Tetrahydrofuran
Concen: 0.39 ug/l
RT: 5.063 min Scan# 1158
Delta R.T. 0.009 min
Lab File: VU043202.D
Acq: 19 Apr 2021 18:21

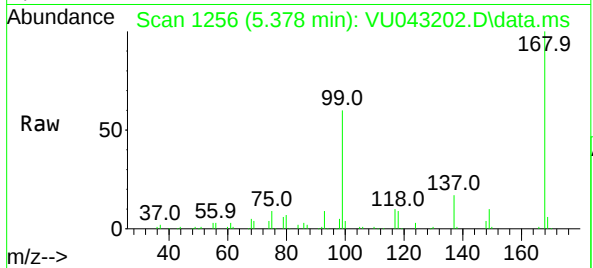
Tgt Ion: 42 Resp: 440
Ion Ratio Lower Upper
42 100
72 0.0 31.5 47.3#
71 0.0 29.5 44.3#



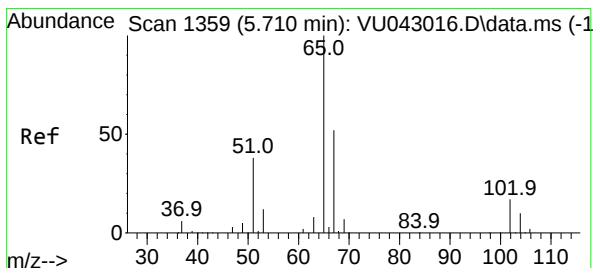
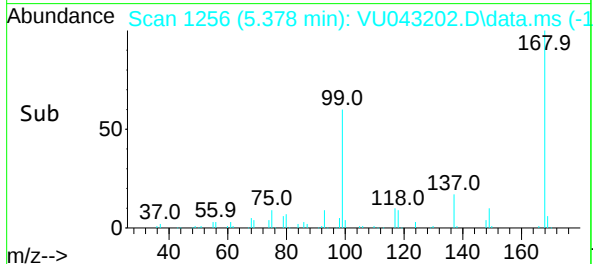
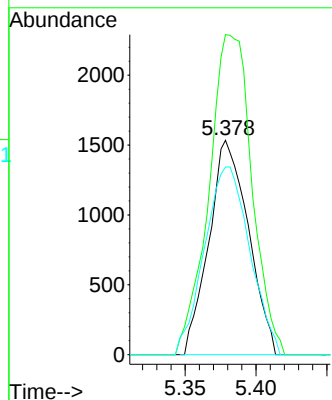


#31
Cyclohexane
Concen: 1.22 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.017 min
Lab File: VU043202.D
Acq: 19 Apr 2021 18:21

Instrument :
MSVOA_U
ClientSampleId :

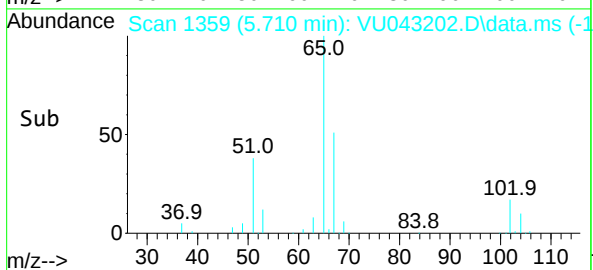
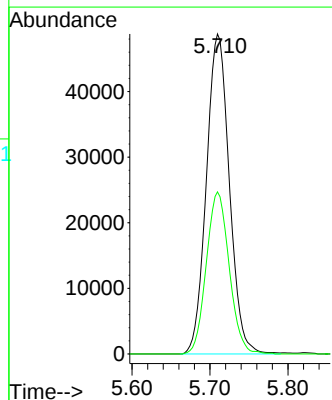
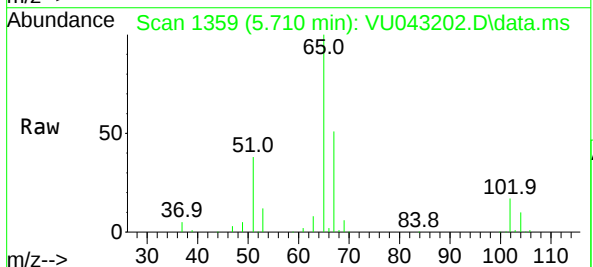


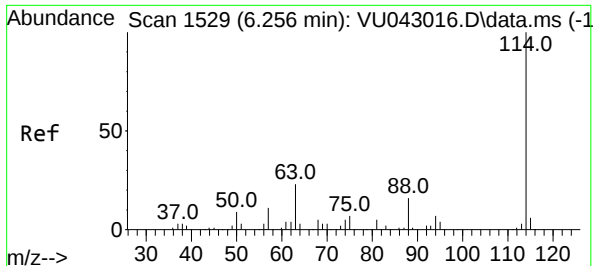
Tgt Ion: 56 Resp: 2968
Ion Ratio Lower Upper
56 100
69 142.5 24.9 37.3#
84 87.5 63.7 95.5



#33
1,2-Dichloroethane-d4
Concen: 50.85 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU043202.D
Acq: 19 Apr 2021 18:21

Tgt Ion: 65 Resp: 100070
Ion Ratio Lower Upper
65 100
67 50.4 0.0 99.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. 0.000 min

Lab File: VU043202.D

Acq: 19 Apr 2021 18:21

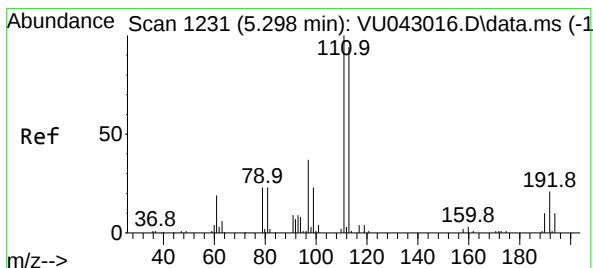
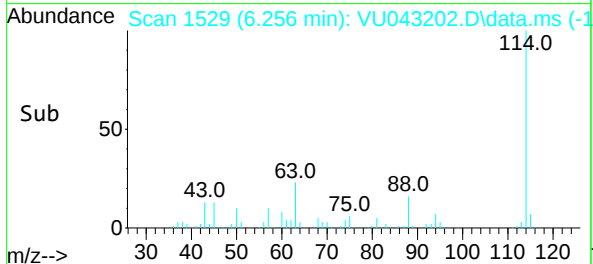
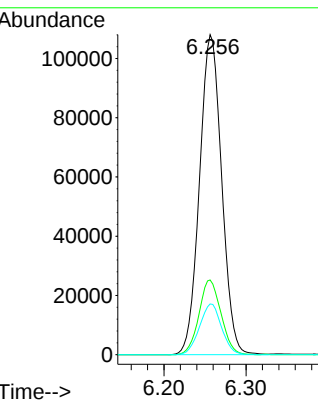
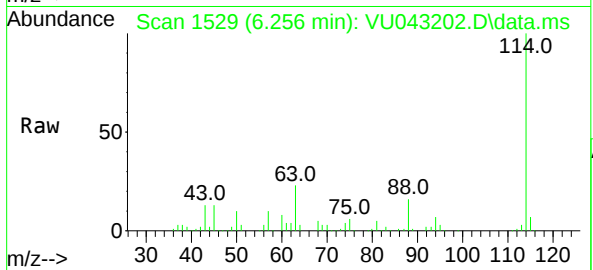
Tgt Ion:114 Resp: 203024

Ion Ratio Lower Upper

114 100

63 23.4 0.0 44.2

88 15.9 0.0 33.4



#35

Dibromofluoromethane

Concen: 45.81 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VU043202.D

Acq: 19 Apr 2021 18:21

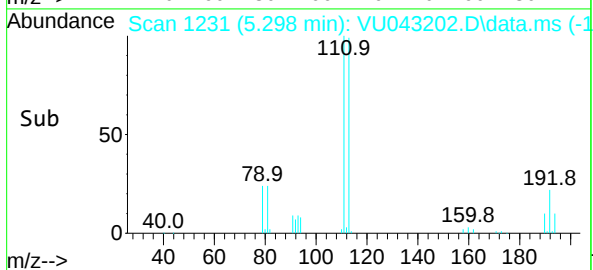
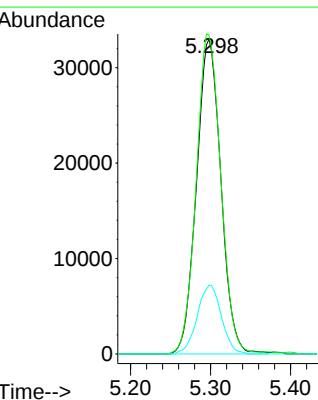
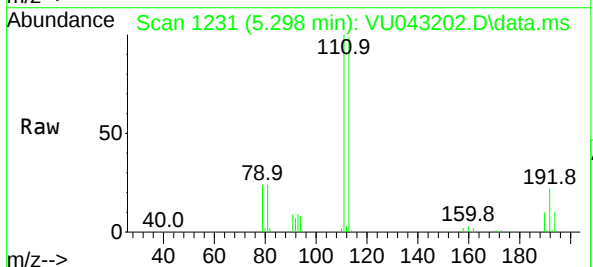
Tgt Ion:113 Resp: 69884

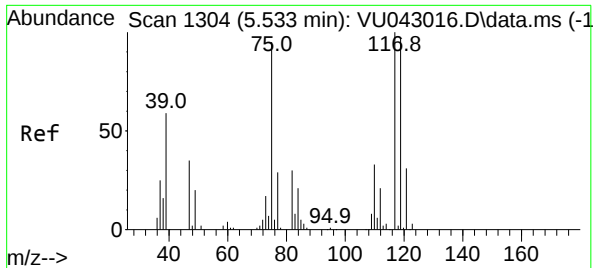
Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.8

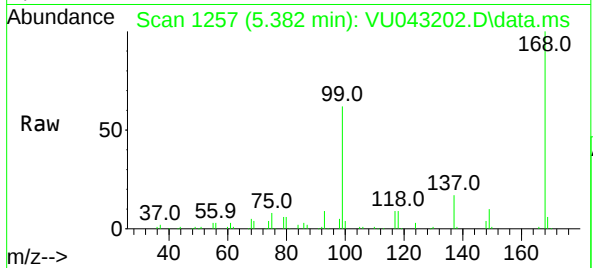
192 21.6 17.2 25.8



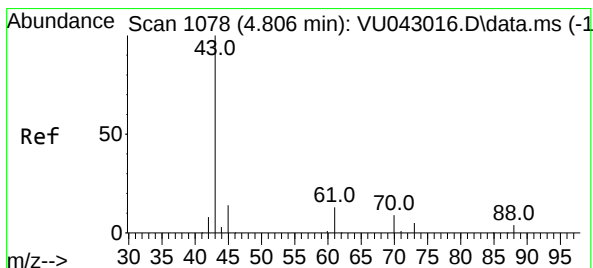
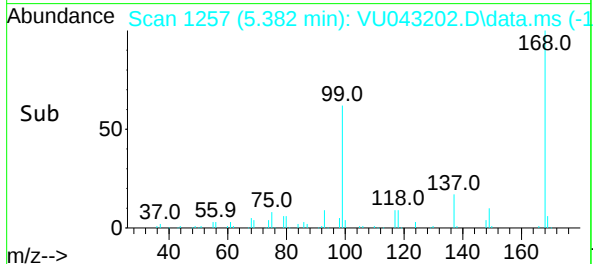
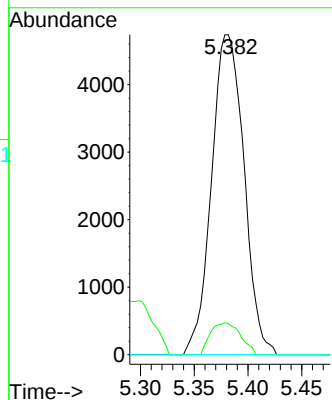


#36
1,1-Dichloropropene
Concen: 4.63 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043202.D
Acq: 19 Apr 2021 18:21

Instrument :
MSVOA_U
ClientSampled :

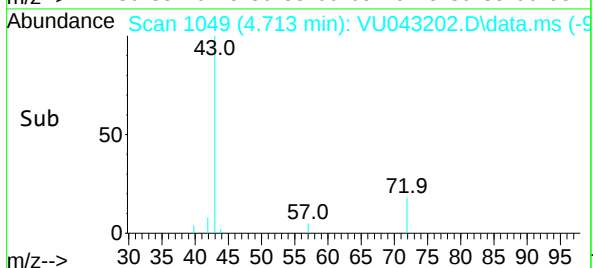
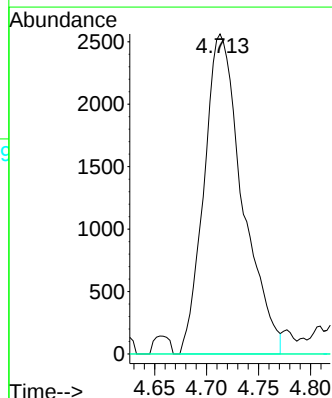
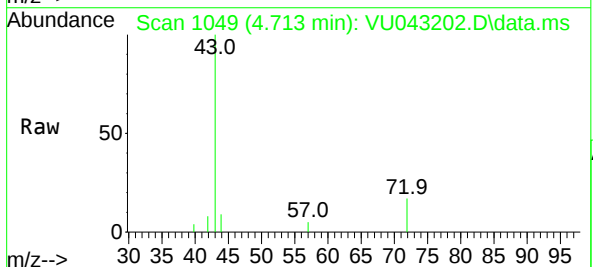


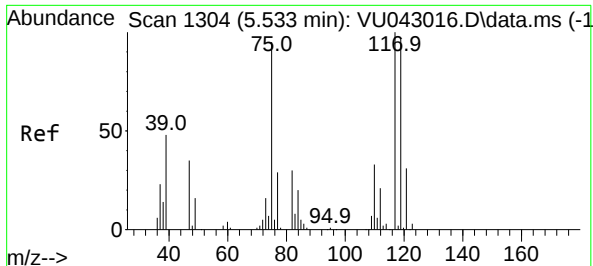
Tgt Ion: 75 Resp: 9964
Ion Ratio Lower Upper
75 100
110 9.2 16.8 50.3#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 1.79 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. -0.093 min
Lab File: VU043202.D
Acq: 19 Apr 2021 18:21

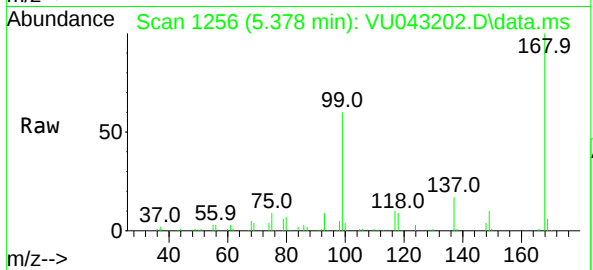
Tgt Ion: 43 Resp: 6592
Ion Ratio Lower Upper
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61 0.0 10.1 15.1#
70 0.0 7.2 10.8#



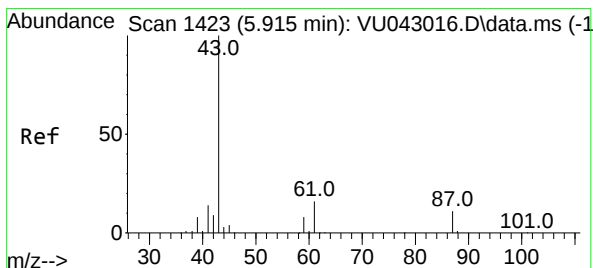
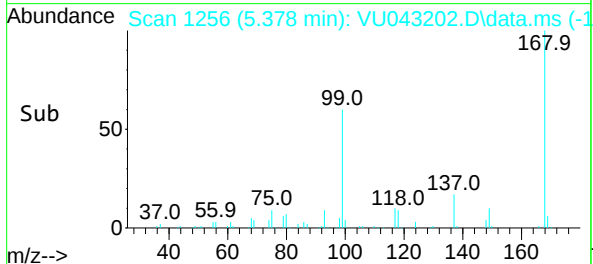
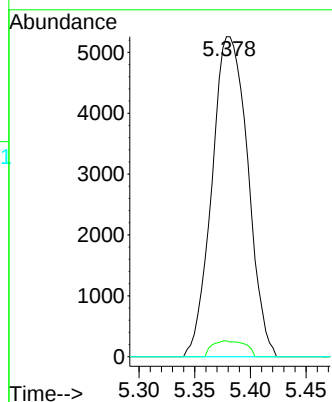


#38
Carbon Tetrachloride
Concen: 5.10 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.155 min
Lab File: VU043202.D
Acq: 19 Apr 2021 18:21

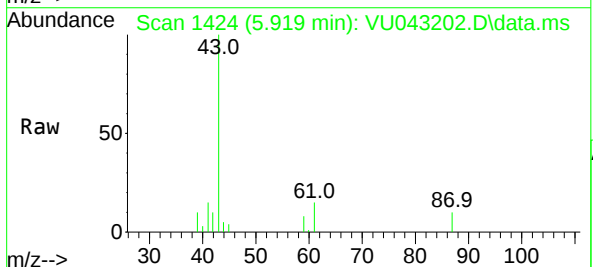
Instrument :
MSVOA_U
ClientSampleId :



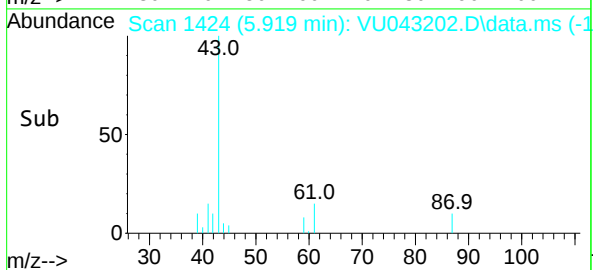
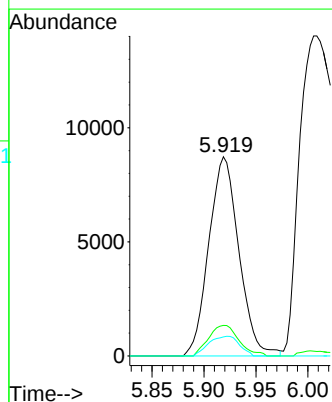
Tgt Ion:117 Resp: 11774
Ion Ratio Lower Upper
117 100
119 5.0 75.5 113.3#
121 0.0 24.7 37.1#

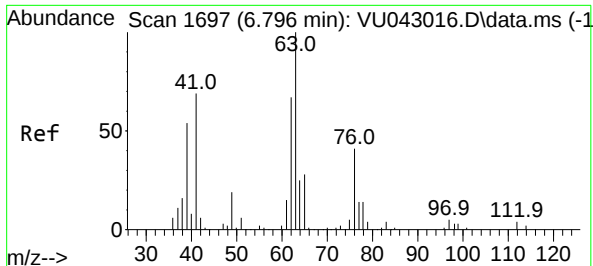


#43
Isopropyl Acetate
Concen: 3.35 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. 0.004 min
Lab File: VU043202.D
Acq: 19 Apr 2021 18:21



Tgt Ion: 43 Resp: 17582
Ion Ratio Lower Upper
43 100
61 15.5 14.4 21.6
87 10.0 8.8 13.2



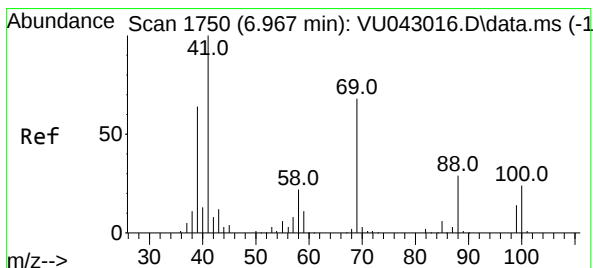
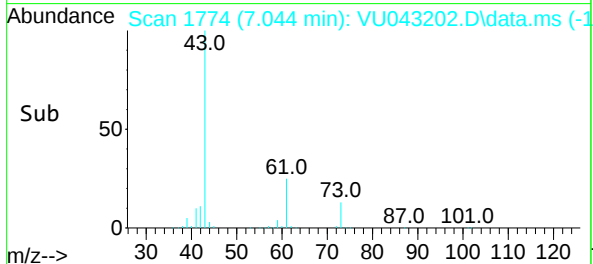
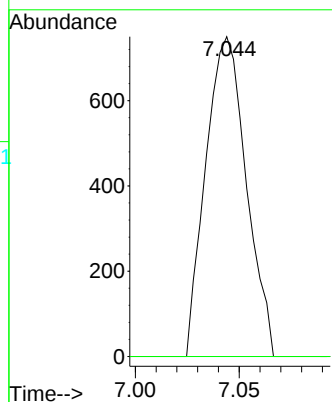
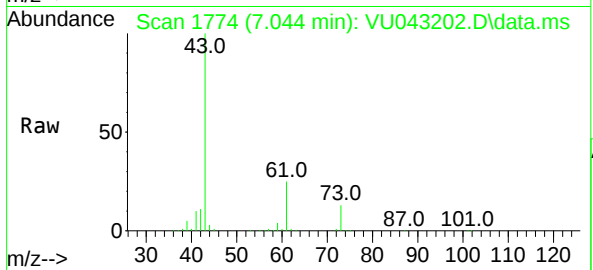


#45

1,2-Dichloropropane
Concen: 0.59 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.248 min
Lab File: VU043202.D
Acq: 19 Apr 2021 18:21

Instrument :
MSVOA_U
ClientSampled :

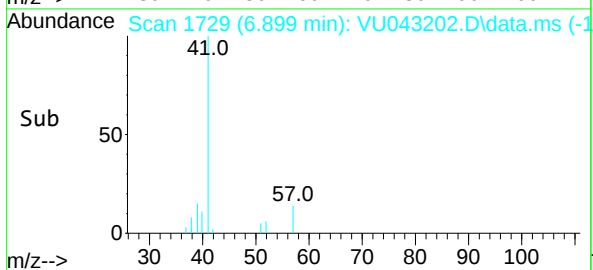
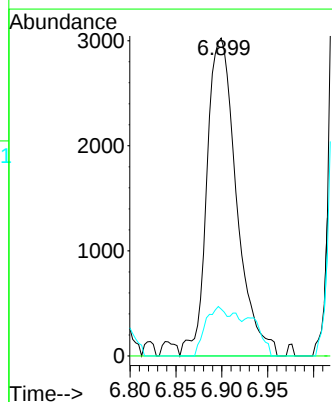
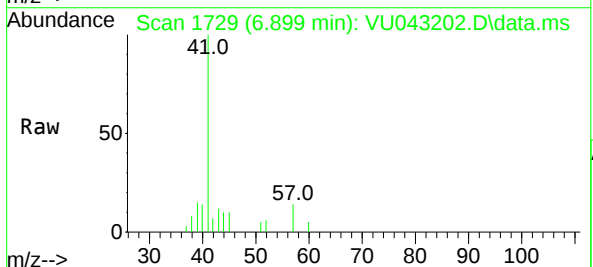
Tgt Ion: 63 Resp: 1018
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.2#

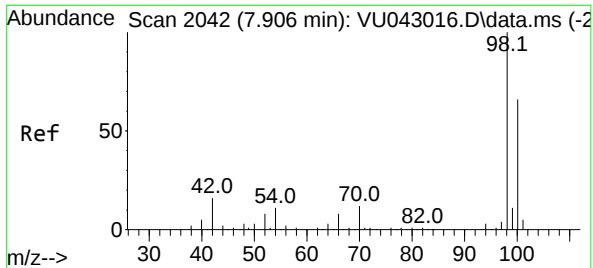


#48

Methyl methacrylate
Concen: 2.58 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.068 min
Lab File: VU043202.D
Acq: 19 Apr 2021 18:21

Tgt Ion: 41 Resp: 6796
Ion Ratio Lower Upper
41 100
69 0.0 57.0 85.6#
39 0.0 48.4 72.6#

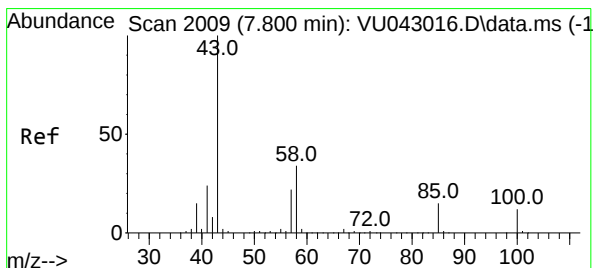
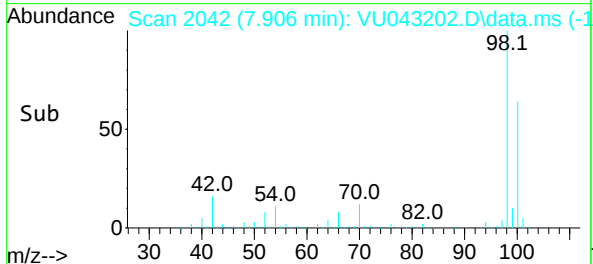
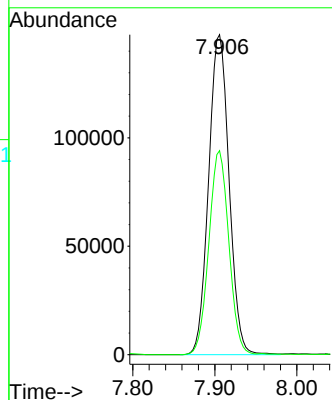
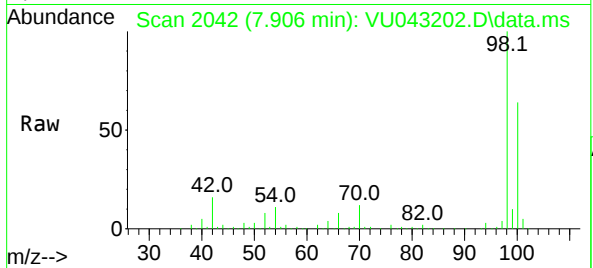




#50
Toluene-d8
Concen: 47.42 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043202.D
Acq: 19 Apr 2021 18:21

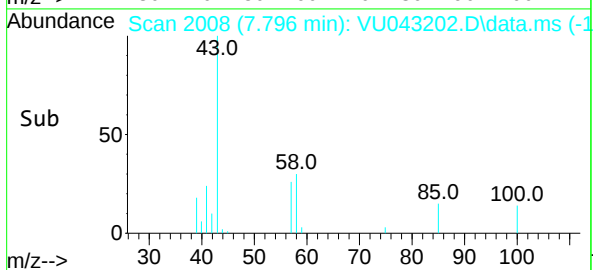
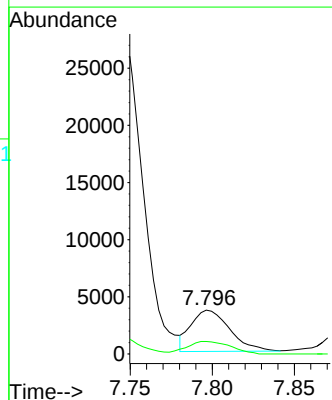
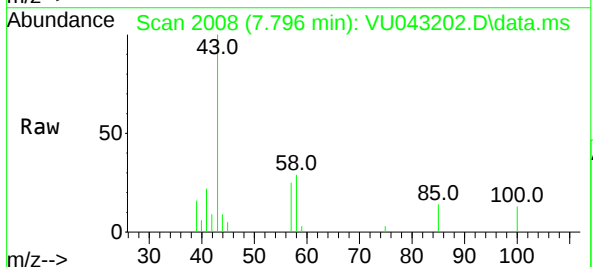
Instrument :
MSVOA_U
ClientSampled :

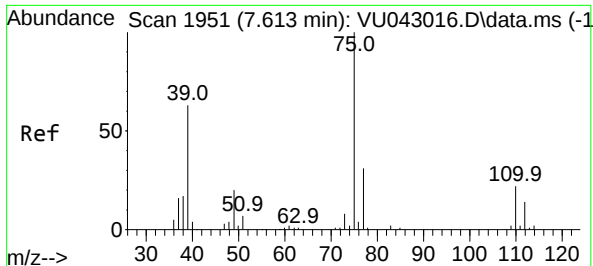
Tgt Ion: 98 Resp: 255965
Ion Ratio Lower Upper
98 100
100 62.3 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.53 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.004 min
Lab File: VU043202.D
Acq: 19 Apr 2021 18:21

Tgt Ion: 43 Resp: 5929
Ion Ratio Lower Upper
43 100
58 33.8 28.1 42.1

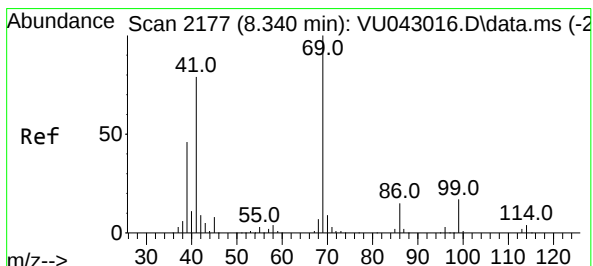
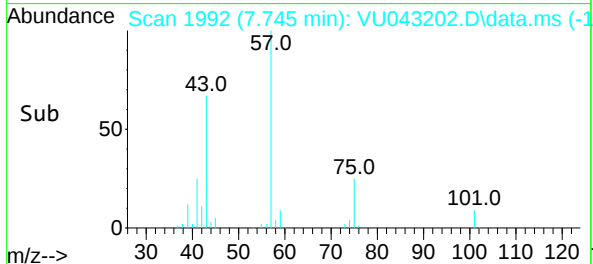
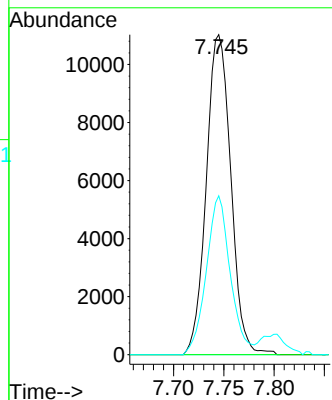
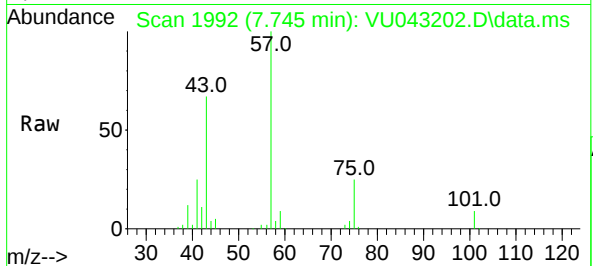




#54
cis-1,3-Dichloropropene
Concen: 6.94 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU043202.D
Acq: 19 Apr 2021 18:21

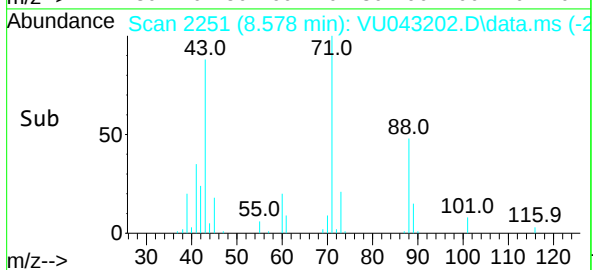
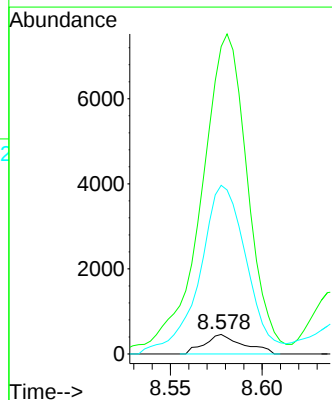
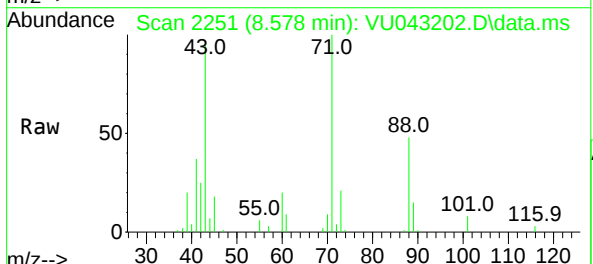
Instrument :
MSVOA_U
ClientSampled :

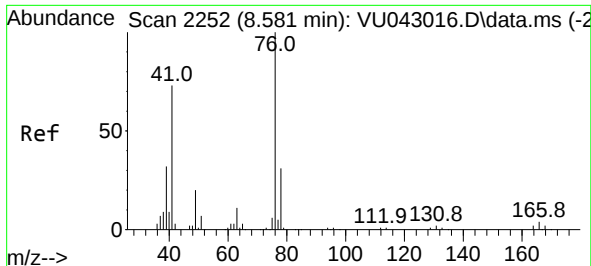
Tgt Ion: 75 Resp: 18724
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 49.6 46.1 69.1



#56
Ethyl methacrylate
Concen: 0.25 ug/l
RT: 8.578 min Scan# 2251
Delta R.T. 0.238 min
Lab File: VU043202.D
Acq: 19 Apr 2021 18:21

Tgt Ion: 69 Resp: 667
Ion Ratio Lower Upper
69 100
41 2004.3 62.8 94.2#
39 1058.6 36.2 54.2#





#57

1,3-Dichloropropane

Concen: 4.42 ug/l

RT: 8.732 min Scan# 2299

Delta R.T. 0.151 min

Lab File: VU043202.D

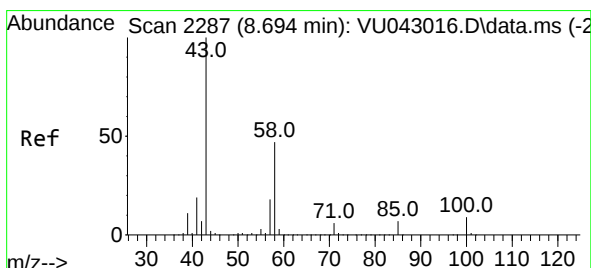
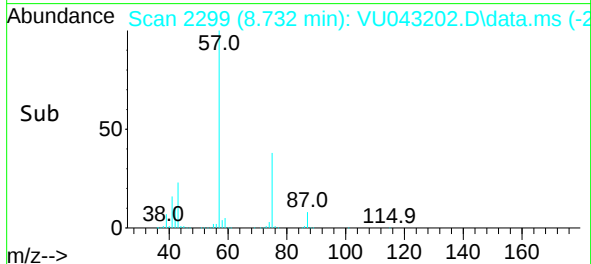
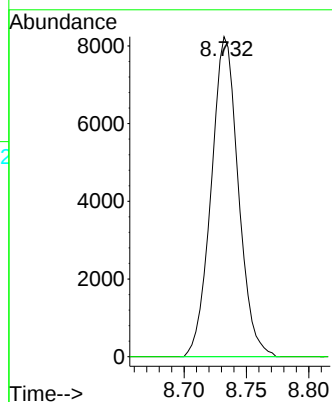
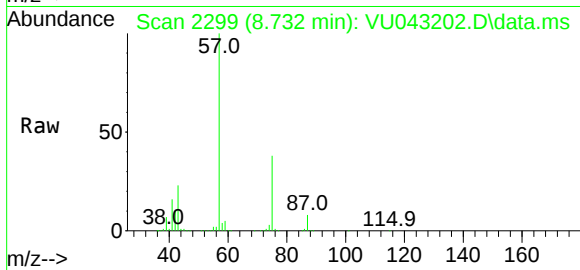
Acq: 19 Apr 2021 18:21

Tgt Ion: 76 Resp: 12485

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#



#59

2-Hexanone

Concen: 74.22 ug/l

RT: 8.732 min Scan# 2299

Delta R.T. 0.038 min

Lab File: VU043202.D

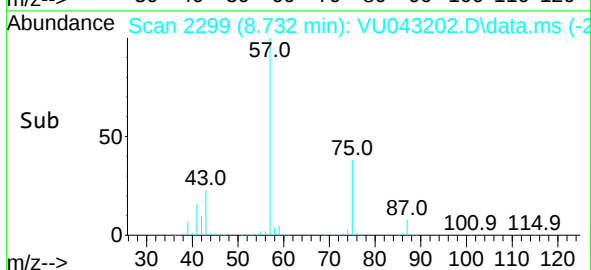
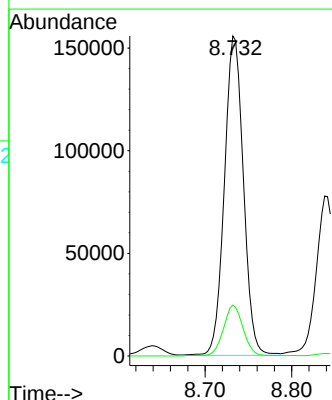
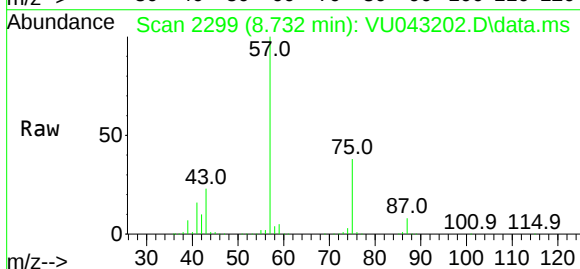
Acq: 19 Apr 2021 18:21

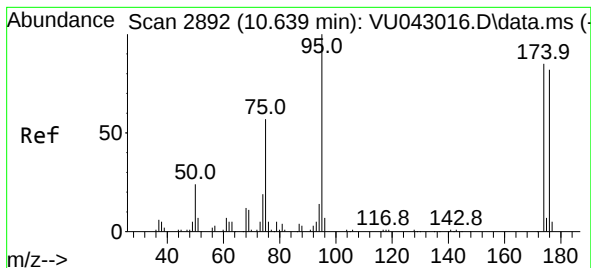
Tgt Ion: 43 Resp: 237473

Ion Ratio Lower Upper

43 100

58 16.6 24.0 72.0#

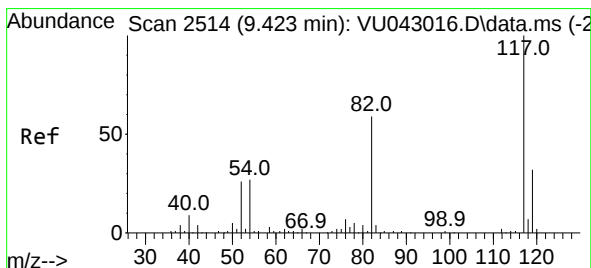
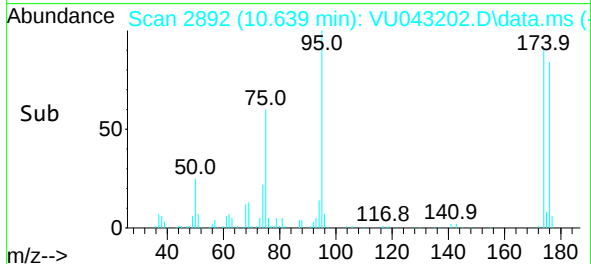
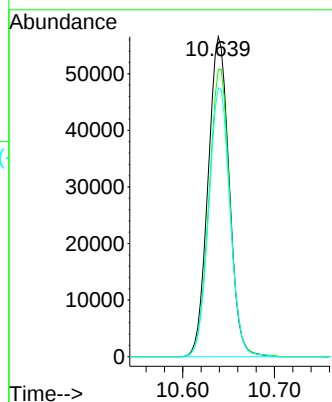
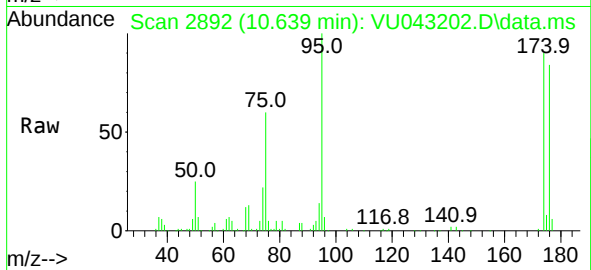




#62
4-Bromofluorobenzene
Concen: 41.83 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043202.D
Acq: 19 Apr 2021 18:21

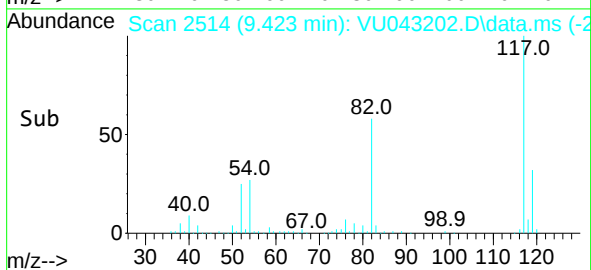
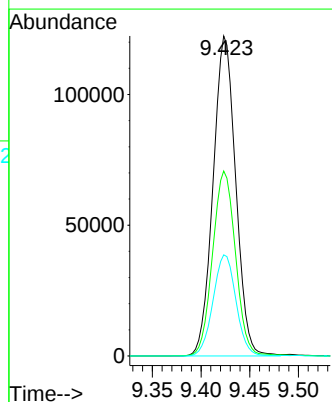
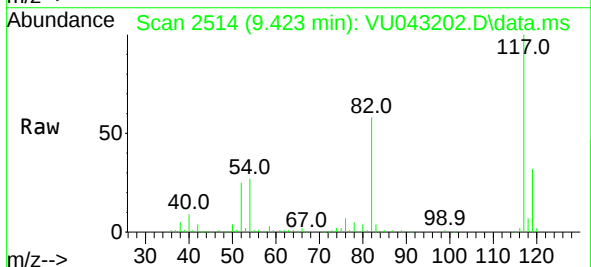
Instrument :
MSVOA_U
ClientSampleId :

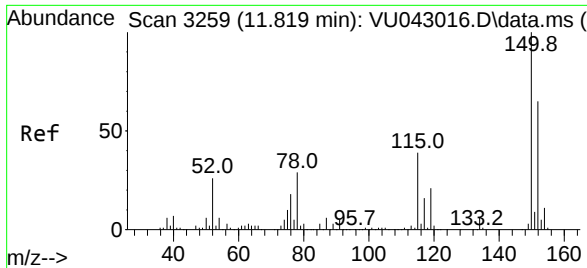
Tgt Ion: 95 Resp: 90429
Ion Ratio Lower Upper
95 100
174 89.9 0.0 172.2
176 84.7 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043202.D
Acq: 19 Apr 2021 18:21

Tgt Ion: 117 Resp: 197717
Ion Ratio Lower Upper
117 100
82 57.7 45.8 68.6
119 31.6 25.8 38.8

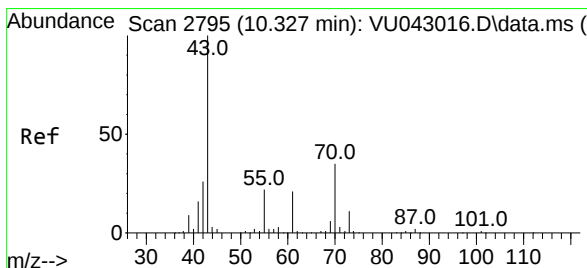
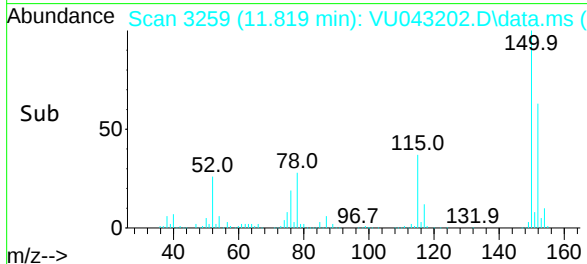
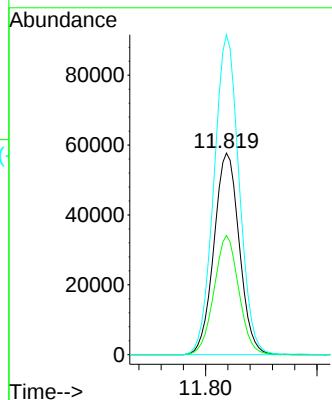
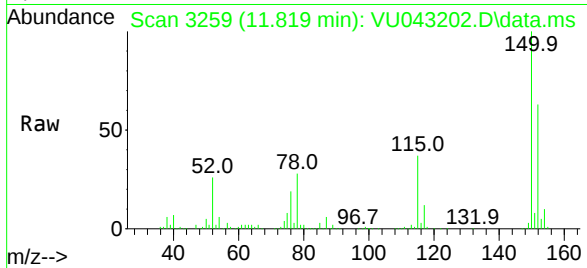




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU043202.D
 Acq: 19 Apr 2021 18:21

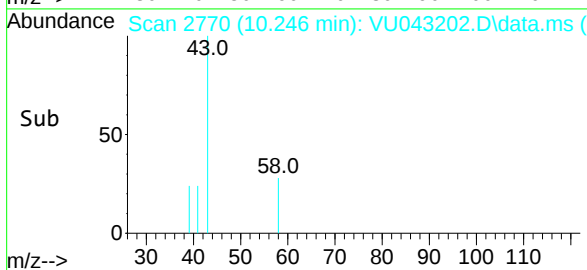
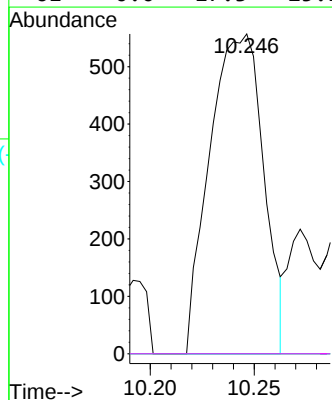
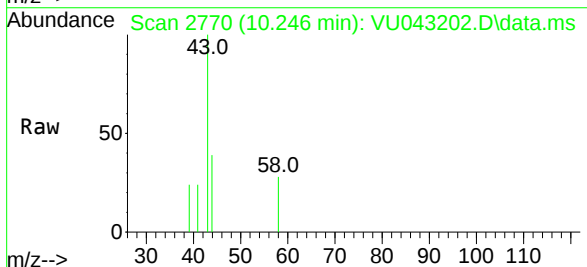
Instrument :
 MSVOA_U
 ClientSampled :

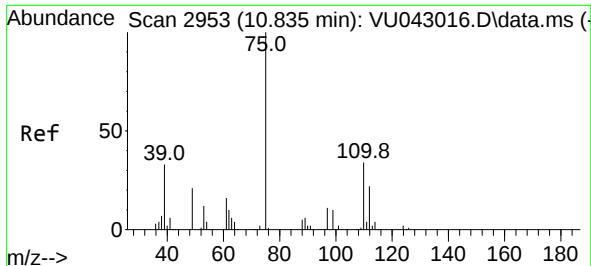
Tgt Ion:152 Resp: 91182
 Ion Ratio Lower Upper
 152 100
 115 57.7 41.5 124.6
 150 157.7 0.0 342.4



#74
 N-ethyl acetate
 Concen: 0.26 ug/l
 RT: 10.246 min Scan# 2770
 Delta R.T. -0.081 min
 Lab File: VU043202.D
 Acq: 19 Apr 2021 18:21

Tgt Ion: 43 Resp: 1005
 Ion Ratio Lower Upper
 43 100
 70 0.0 28.3 42.5#
 55 0.0 17.2 25.8#
 61 0.0 17.3 25.9#

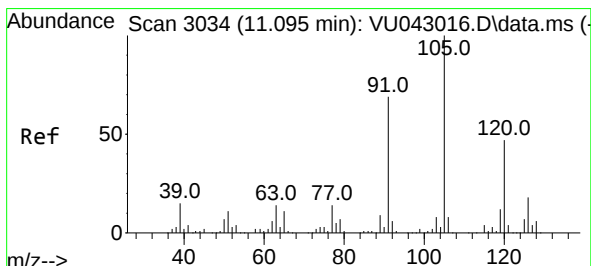
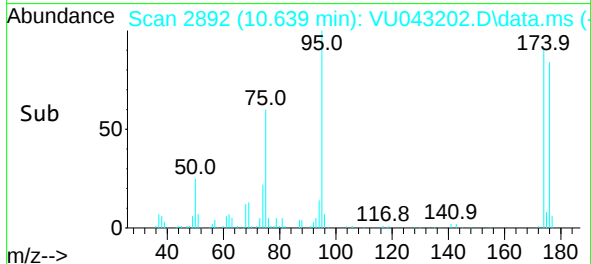
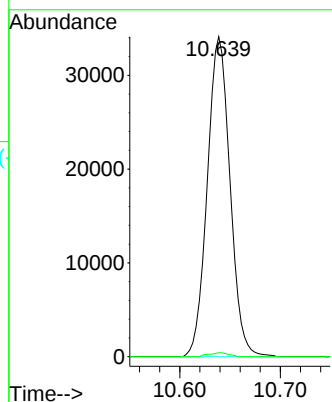
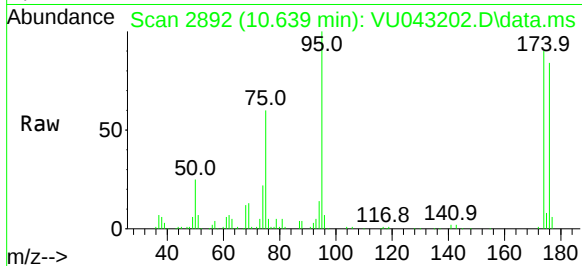




#76
1,2,3-Trichloropropane
Concen: 20.12 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.196 min
Lab File: VU043202.D
Acq: 19 Apr 2021 18:21

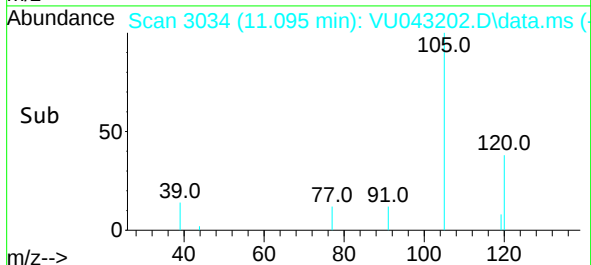
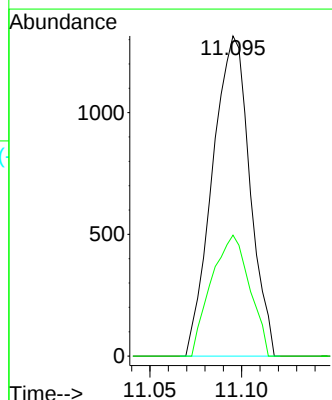
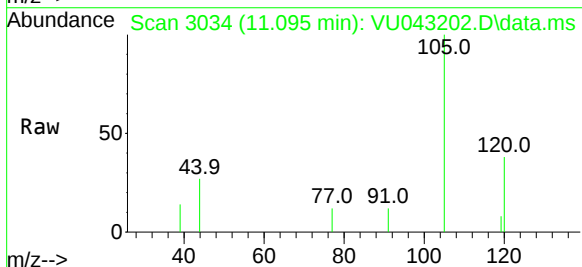
Instrument :
MSVOA_U
ClientSampled :

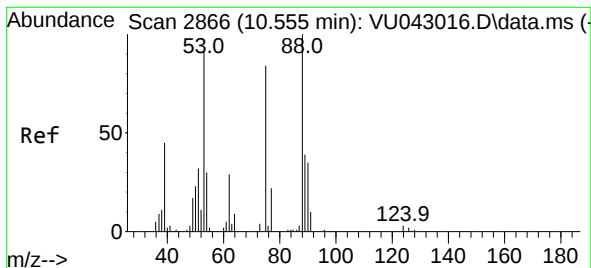
Tgt Ion: 75 Resp: 53601
Ion Ratio Lower Upper
75 100
77 1.1 20.2 60.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.35 ug/l
RT: 11.095 min Scan# 3034
Delta R.T. 0.000 min
Lab File: VU043202.D
Acq: 19 Apr 2021 18:21

Tgt Ion: 105 Resp: 1866
Ion Ratio Lower Upper
105 100
120 38.7 23.8 71.4

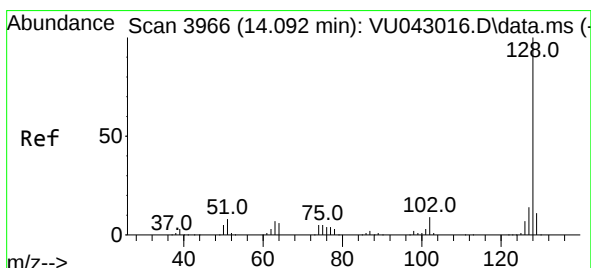
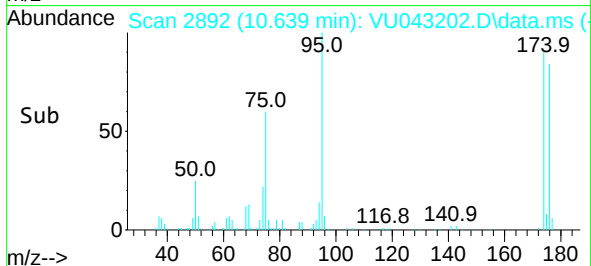
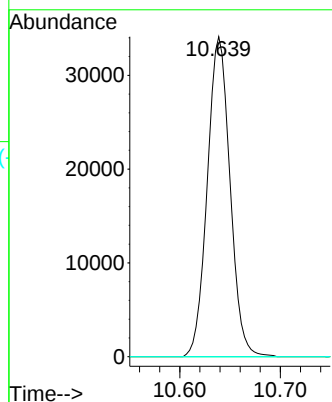
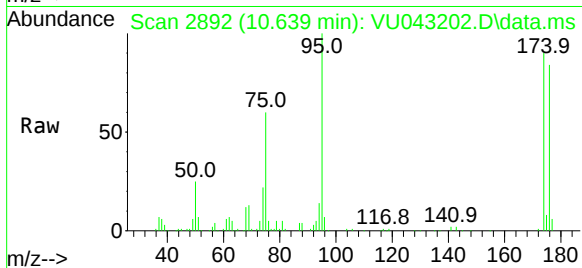




#81
trans-1,4-Dichloro-2-butene
Concen: 59.11 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU043202.D
Acq: 19 Apr 2021 18:21

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 53601
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#



#95
Naphthalene
Concen: 2.76 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.006 min
Lab File: VU043202.D
Acq: 19 Apr 2021 18:21

Tgt Ion:128 Resp: 127
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#

