

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042821\
 Data File : VU043383.D
 Acq On : 28 Apr 2021 14:08
 Operator : SY/MD
 Sample : M2206-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 29 08:38:10 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)

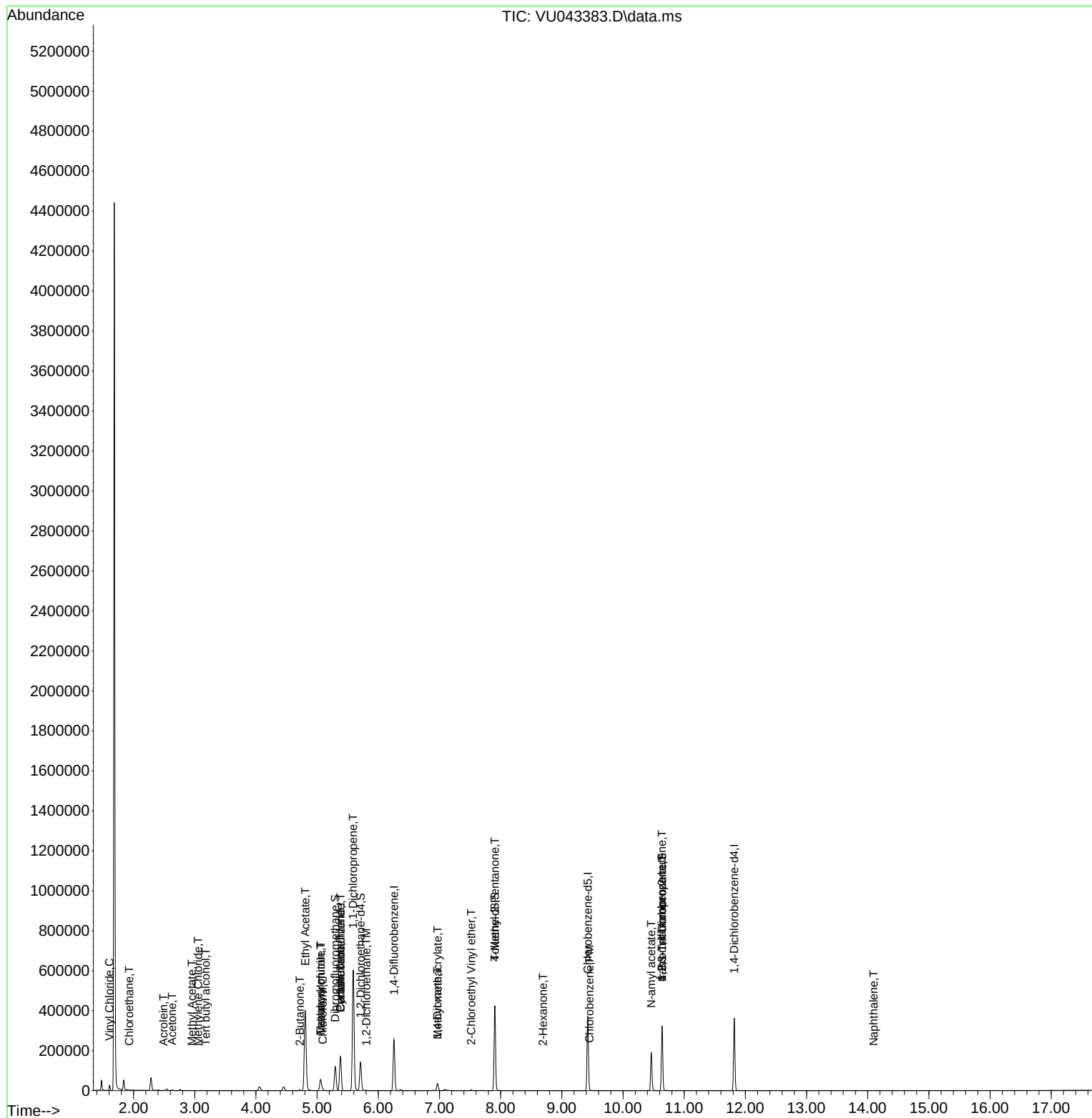
Internal Standards						
1) Pentafluorobenzene	5.382	168	114268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	187522	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	181654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	85901	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	107094	55.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.50%	
35) Dibromofluoromethane	5.295	113	72382	51.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.74%	
50) Toluene-d8	7.906	98	256092	51.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.72%	
62) 4-Bromofluorobenzene	10.639	95	96043	48.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.20%	
Target Compounds					Qvalue	
3) Chloromethane	1.520	50	522	Below Cal		96
4) Vinyl Chloride	1.607	62	16167	12.58	ug/l	98
6) Chloroethane	1.928	64	220	0.21	ug/l #	42
11) Tert butyl alcohol	3.179	59	460	0.93	ug/l #	94
13) Acrolein	2.488	56	1597	15.38	ug/l	97
16) Acetone	2.629	43	5007	4.13	ug/l	93
18) Methyl Acetate	2.951	43	1713	0.71	ug/l #	74
20) Methylene Chloride	3.054	84	326	0.24	ug/l #	84
25) 2-Butanone	4.716	43	5518	3.16	ug/l	94
29) Tetrahydrofuran	5.057	42	40772	37.11	ug/l	94
30) Chloroform	5.092	83	2072	0.78	ug/l	89
31) Cyclohexane	5.378	56	2980	1.26	ug/l #	46
36) 1,1-Dichloropropene	5.587	75	1951	0.98	ug/l #	42
37) Ethyl Acetate	4.806	43	91973	27.04	ug/l #	73
38) Carbon Tetrachloride	5.382	117	12064	5.66	ug/l #	16
41) Methacrylonitrile	5.060	41	24181	13.52	ug/l #	52
42) 1,2-Dichloroethane	5.803	62	1673	0.66	ug/l #	79
48) Methyl methacrylate	6.970	41	534	0.22	ug/l #	36
49) 1,4-Dioxane	6.967	88	22931	469.92	ug/l #	95
51) 4-Methyl-2-Pentanone	7.906	43	1473	0.41	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.520	63	1156	8.39	ug/l #	50
59) 2-Hexanone	8.690	43	776	0.26	ug/l	88
65) Chlorobenzene	9.452	112	1033	0.27	ug/l	91
74) N-amyl acetate	10.462	43	22831	6.16	ug/l #	53
76) 1,2,3-Trichloropropane	10.639	75	54773	21.82	ug/l #	37
81) trans-1,4-Dichloro-2-b...	10.639	75	54773	64.12	ug/l #	7
95) Naphthalene	14.098	128	257	2.78	ug/l #	69

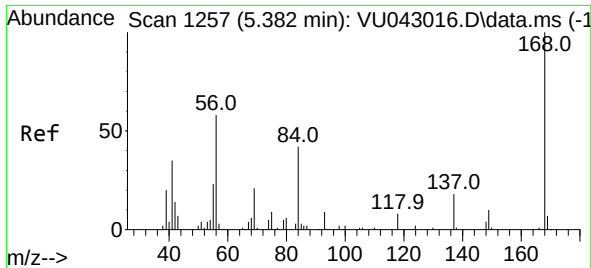
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

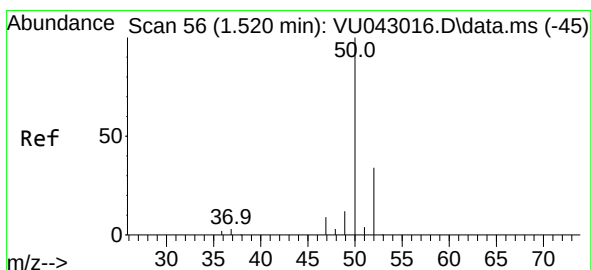
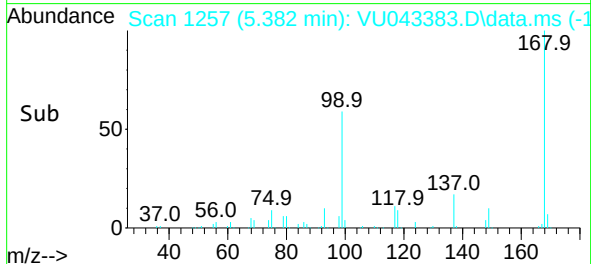
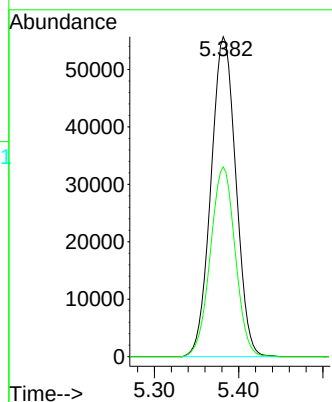
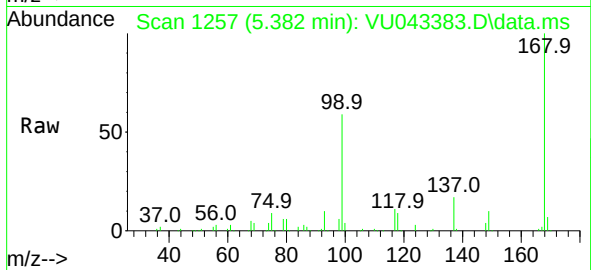




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043383.D
Acq: 28 Apr 2021 14:08

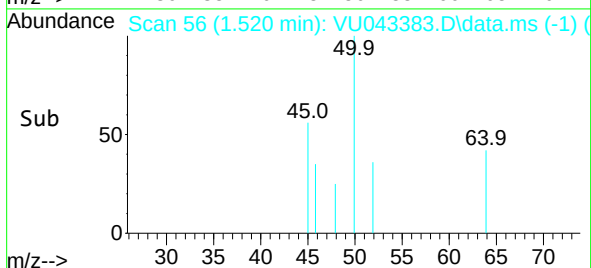
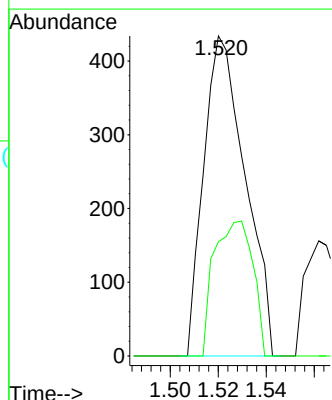
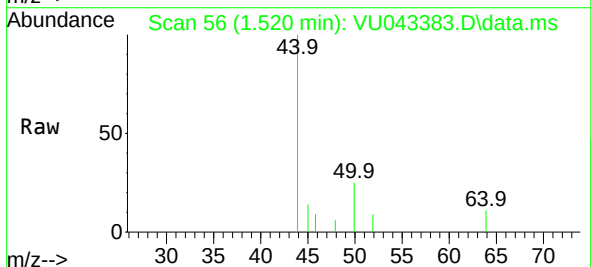
Instrument :
MSVOA_U
ClientSampled :

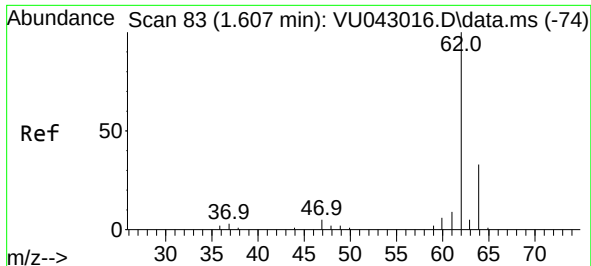
Tgt Ion:168 Resp: 114268
Ion Ratio Lower Upper
168 100
99 59.3 45.0 67.4



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU043383.D
Acq: 28 Apr 2021 14:08

Tgt Ion: 50 Resp: 522
Ion Ratio Lower Upper
50 100
52 35.7 26.6 40.0

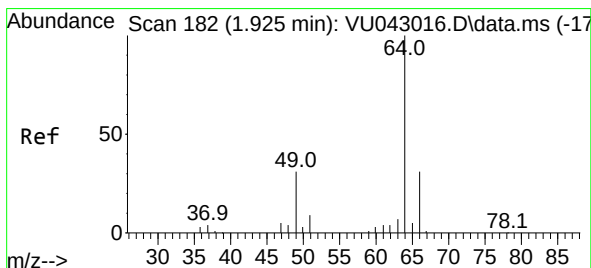
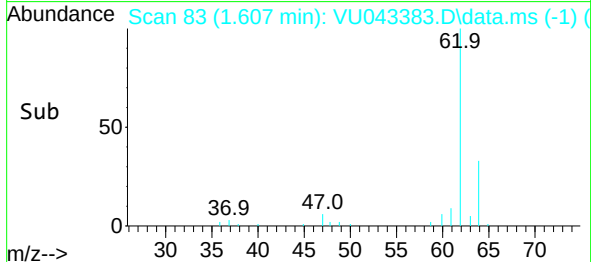
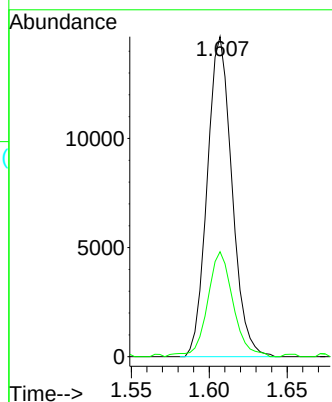
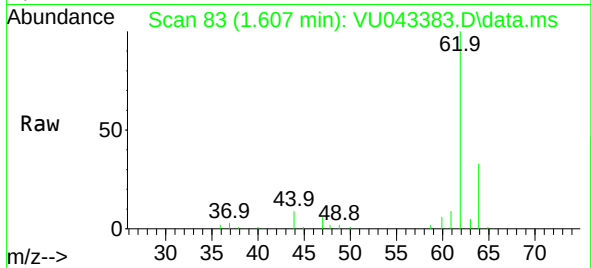




#4
 Vinyl Chloride
 Concen: 12.58 ug/l
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU043383.D
 Acq: 28 Apr 2021 14:08

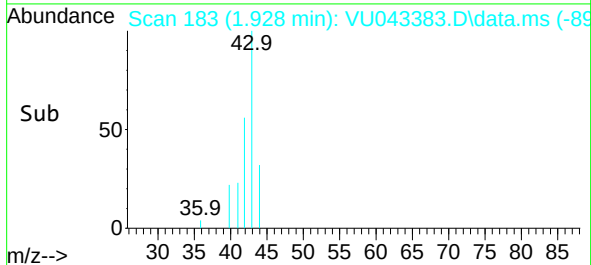
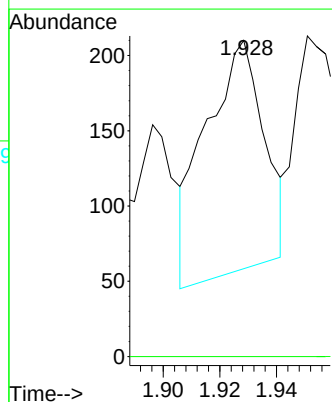
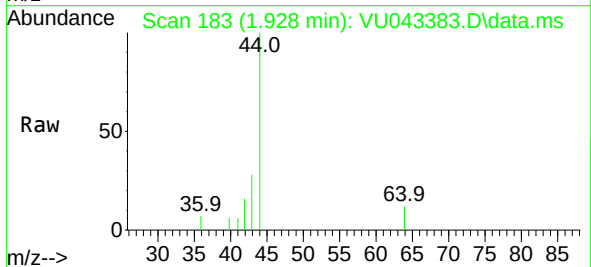
Instrument :
 MSVOA_U
 ClientSampled :

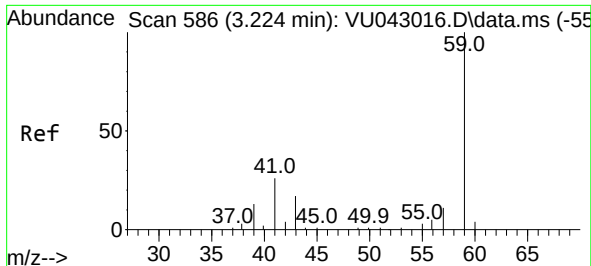
Tgt Ion: 62 Resp: 16167
 Ion Ratio Lower Upper
 62 100
 64 32.8 25.2 37.8



#6
 Chloroethane
 Concen: 0.21 ug/l
 RT: 1.928 min Scan# 183
 Delta R.T. 0.003 min
 Lab File: VU043383.D
 Acq: 28 Apr 2021 14:08

Tgt Ion: 64 Resp: 220
 Ion Ratio Lower Upper
 64 100
 66 0.0 26.4 39.6#



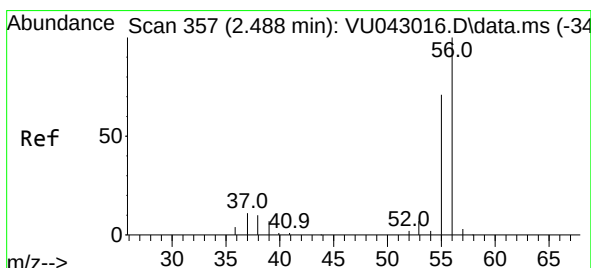
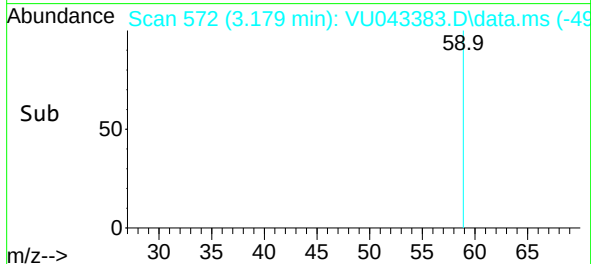
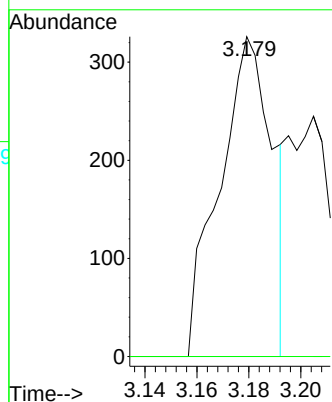
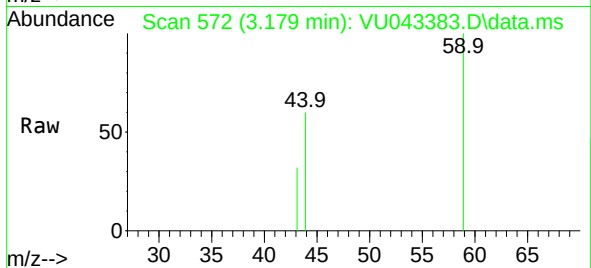


#11

Tert butyl alcohol
Concen: 0.93 ug/l
RT: 3.179 min Scan# 572
Delta R.T. -0.045 min
Lab File: VU043383.D
Acq: 28 Apr 2021 14:08

Instrument :
MSVOA_U
ClientSampleId :

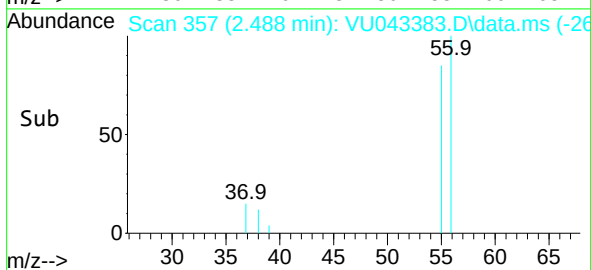
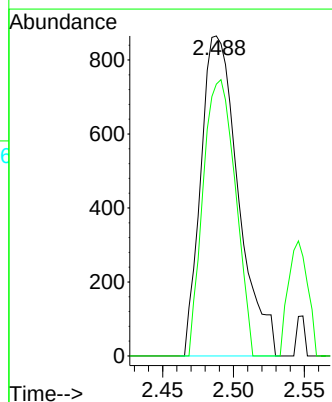
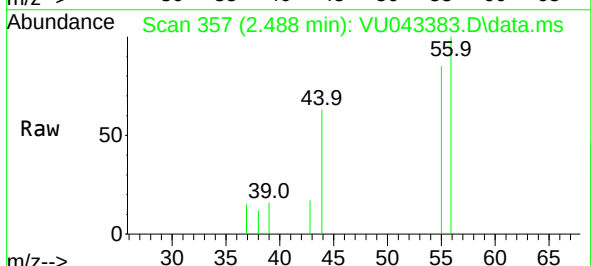
Tgt Ion: 59 Resp: 460
Ion Ratio Lower Upper
59 100
57 0.0 1.6 2.4#

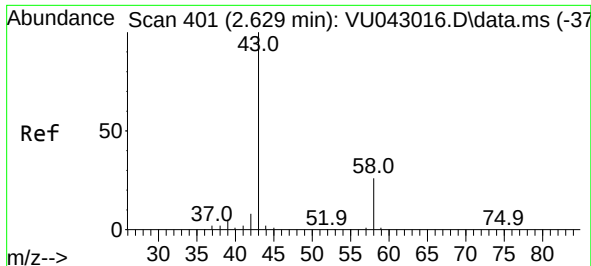


#13

Acrolein
Concen: 15.38 ug/l
RT: 2.488 min Scan# 357
Delta R.T. -0.000 min
Lab File: VU043383.D
Acq: 28 Apr 2021 14:08

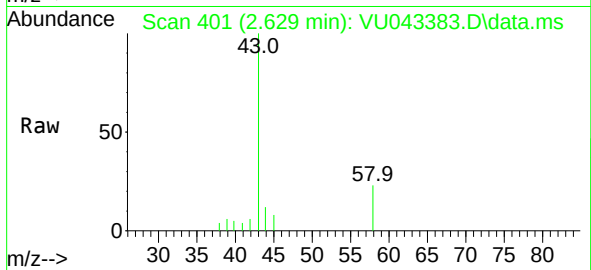
Tgt Ion: 56 Resp: 1597
Ion Ratio Lower Upper
56 100
55 73.8 57.3 85.9



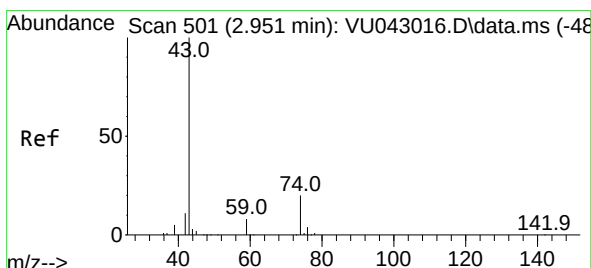
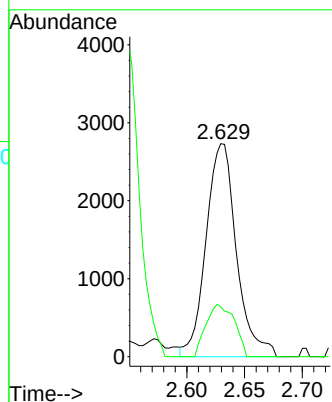
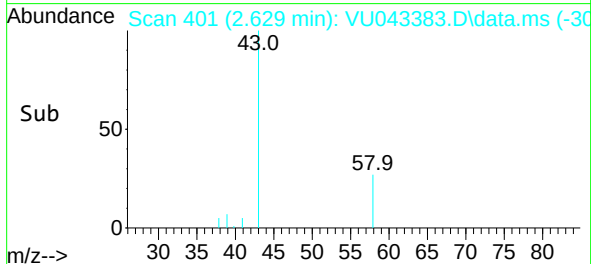


#16
Acetone
Concen: 4.13 ug/l
RT: 2.629 min Scan# 401
Delta R.T. 0.000 min
Lab File: VU043383.D
Acq: 28 Apr 2021 14:08

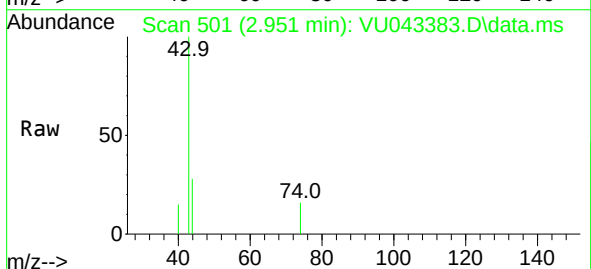
Instrument :
MSVOA_U
ClientSampled :



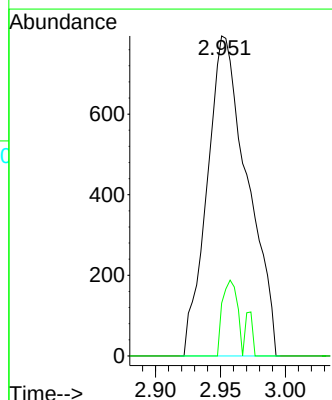
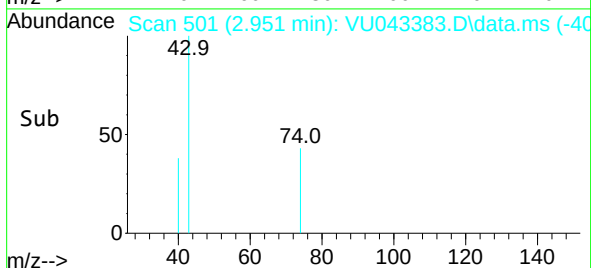
Tgt Ion: 43 Resp: 5007
Ion Ratio Lower Upper
43 100
58 23.4 21.5 32.3

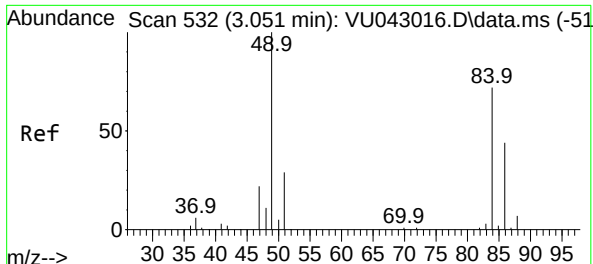


#18
Methyl Acetate
Concen: 0.71 ug/l
RT: 2.951 min Scan# 501
Delta R.T. -0.000 min
Lab File: VU043383.D
Acq: 28 Apr 2021 14:08



Tgt Ion: 43 Resp: 1713
Ion Ratio Lower Upper
43 100
74 8.7 16.6 25.0#





#20

Methylene Chloride

Concen: 0.24 ug/l

RT: 3.054 min Scan# 533

Delta R.T. 0.003 min

Lab File: VU043383.D

Acq: 28 Apr 2021 14:08

Tgt Ion: 84 Resp: 326

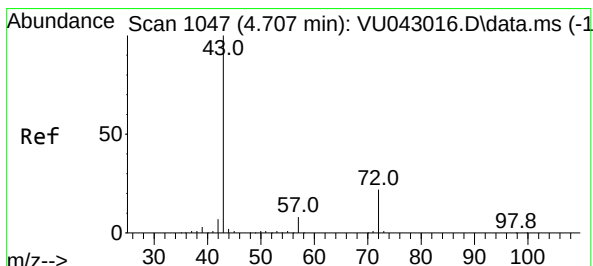
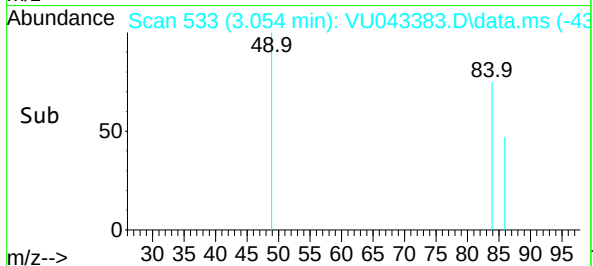
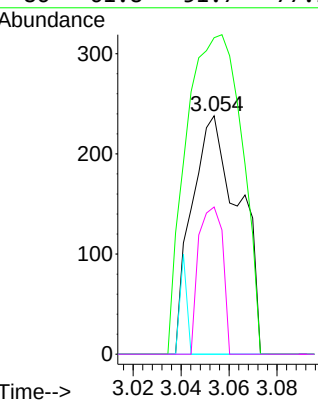
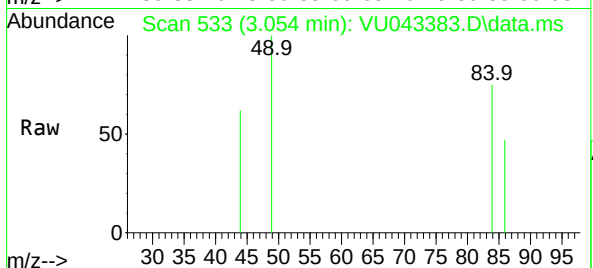
Ion Ratio Lower Upper

84 100

49 132.8 112.6 169.0

51 0.0 33.7 50.5#

86 61.8 51.7 77.5



#25

2-Butanone

Concen: 3.16 ug/l

RT: 4.716 min Scan# 1050

Delta R.T. 0.009 min

Lab File: VU043383.D

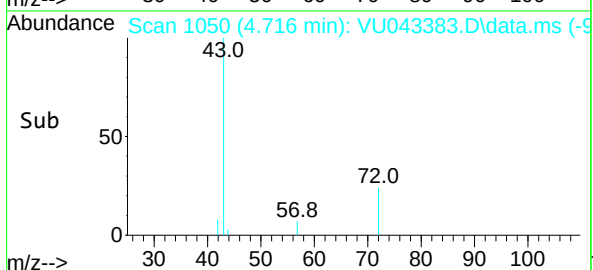
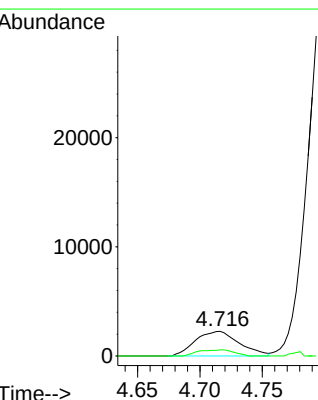
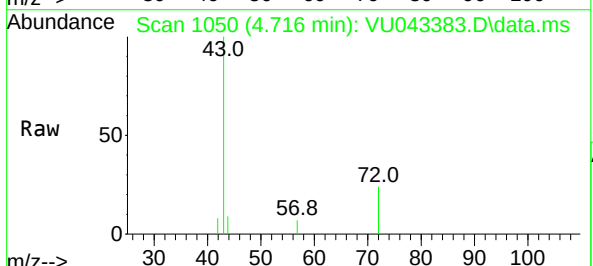
Acq: 28 Apr 2021 14:08

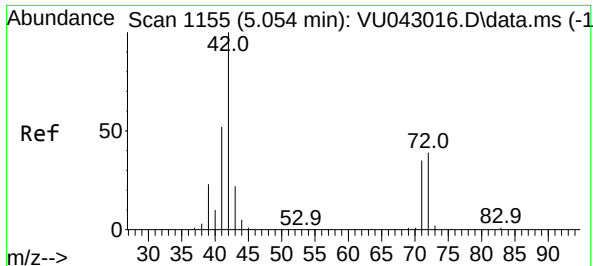
Tgt Ion: 43 Resp: 5518

Ion Ratio Lower Upper

43 100

72 24.4 17.4 26.0





#29

Tetrahydrofuran

Concen: 37.11 ug/l

RT: 5.057 min Scan# 1156

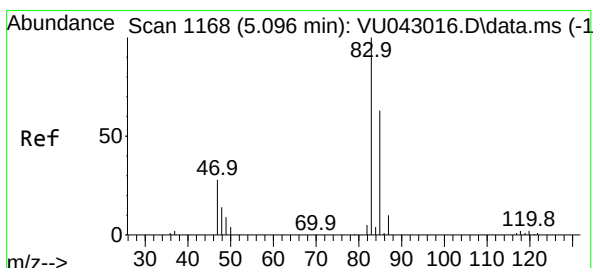
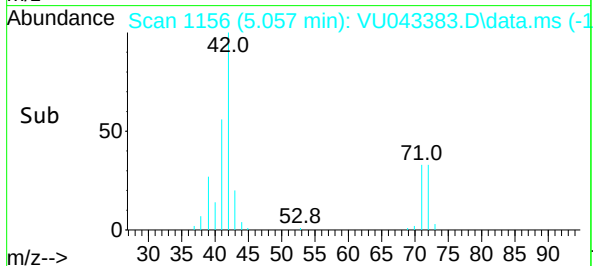
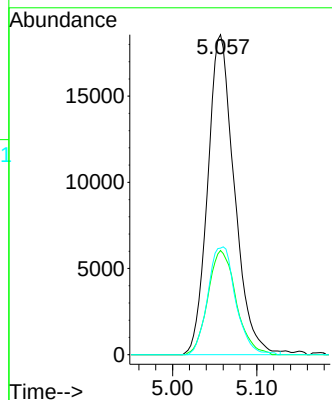
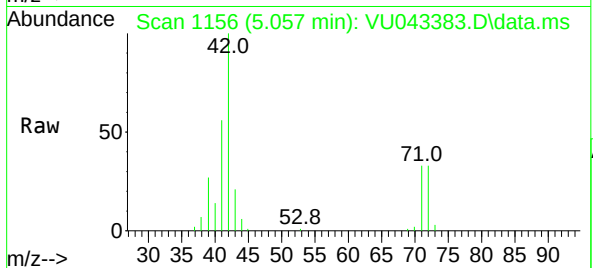
Delta R.T. 0.003 min

Lab File: VU043383.D

Acq: 28 Apr 2021 14:08

Tgt Ion:	42	Resp:	40772
Ion	Ratio	Lower	Upper
42	100		
72	34.4	31.5	47.3
71	35.1	29.5	44.3

Instrument :
MSVOA_U
ClientSampled :



#30

Chloroform

Concen: 0.78 ug/l

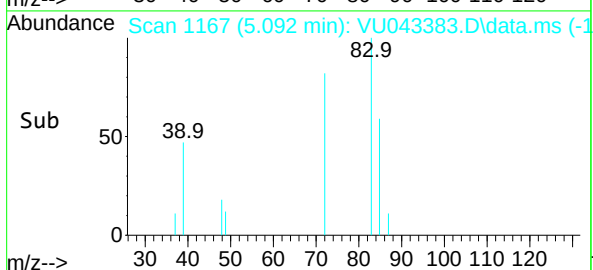
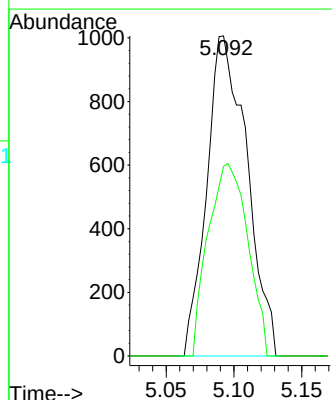
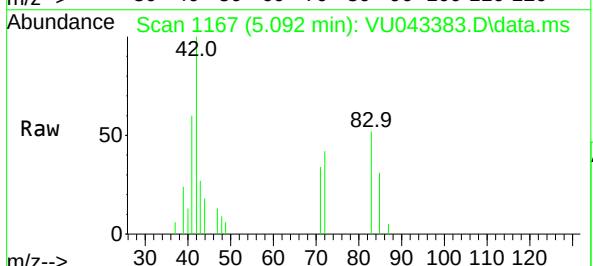
RT: 5.092 min Scan# 1167

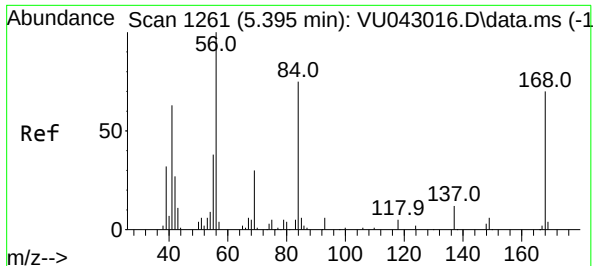
Delta R.T. -0.004 min

Lab File: VU043383.D

Acq: 28 Apr 2021 14:08

Tgt Ion:	83	Resp:	2072
Ion	Ratio	Lower	Upper
83	100		
85	59.2	54.6	81.8





#31

Cyclohexane

Concen: 1.26 ug/l

RT: 5.378 min Scan# 1256

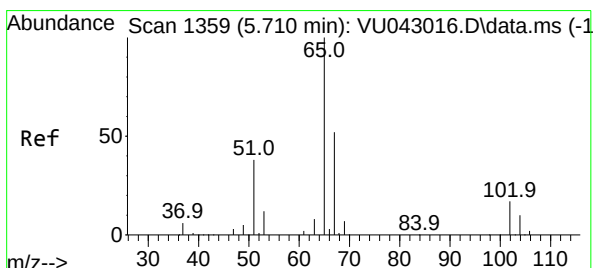
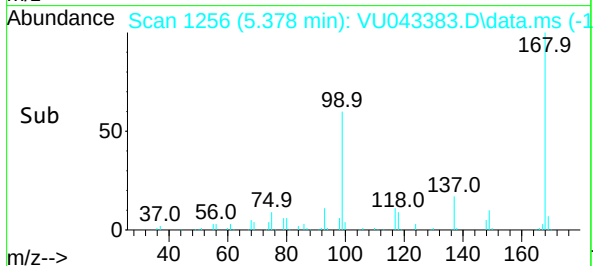
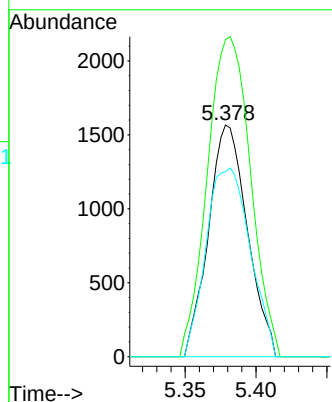
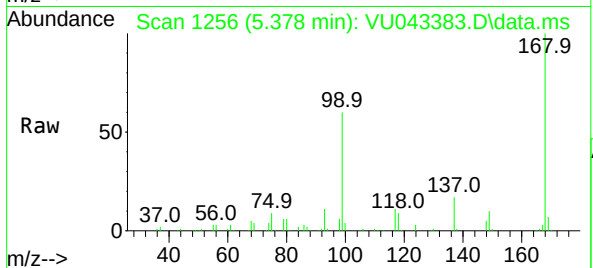
Delta R.T. -0.017 min

Lab File: VU043383.D

Acq: 28 Apr 2021 14:08

Tgt Ion: 56	Resp: 2980
Ion Ratio	Lower Upper
56 100	
69 136.8	24.9 37.3#
84 79.9	63.7 95.5

Instrument :
MSVOA_U
ClientSampleId :



#33

1,2-Dichloroethane-d4

Concen: 55.75 ug/l

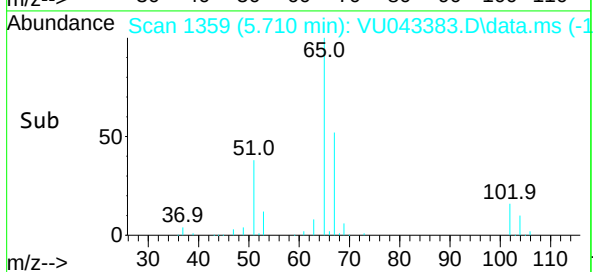
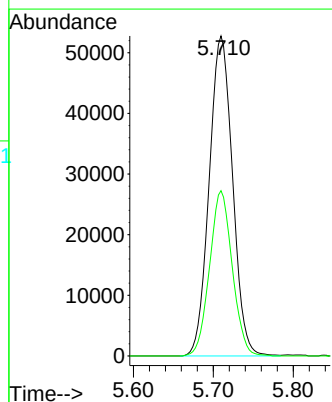
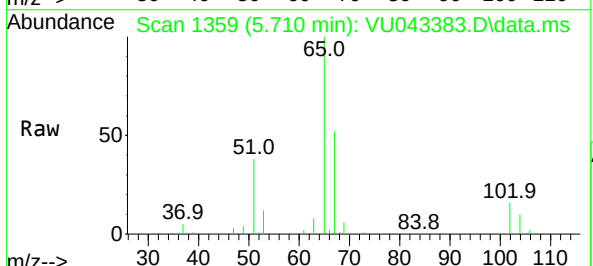
RT: 5.710 min Scan# 1359

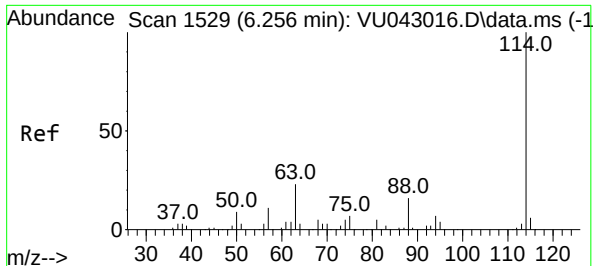
Delta R.T. -0.000 min

Lab File: VU043383.D

Acq: 28 Apr 2021 14:08

Tgt Ion: 65	Resp: 107094
Ion Ratio	Lower Upper
65 100	
67 50.1	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: VU043383.D

Acq: 28 Apr 2021 14:08

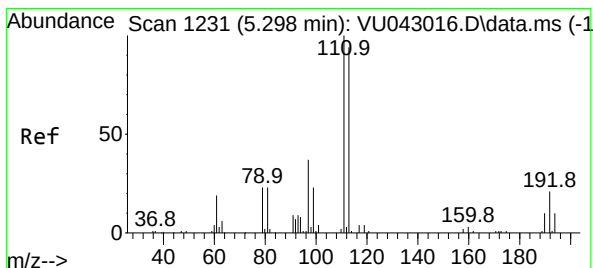
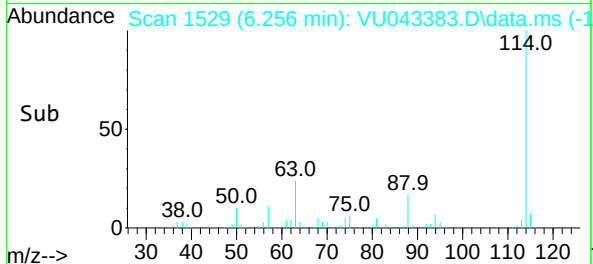
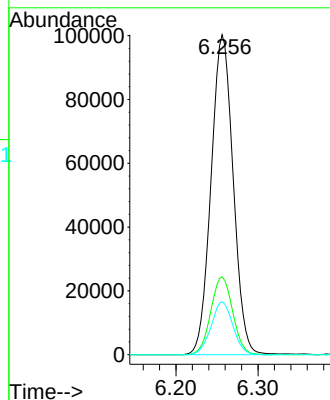
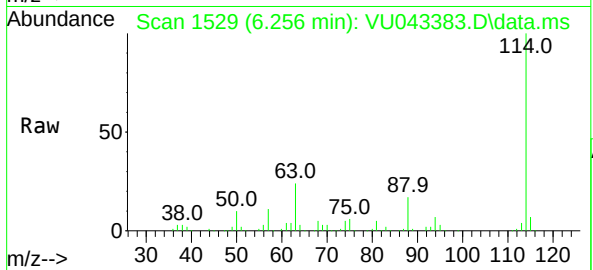
Tgt Ion:114 Resp: 187522

Ion Ratio Lower Upper

114 100

63 24.3 0.0 44.2

88 16.5 0.0 33.4



#35

Dibromofluoromethane

Concen: 51.37 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. -0.003 min

Lab File: VU043383.D

Acq: 28 Apr 2021 14:08

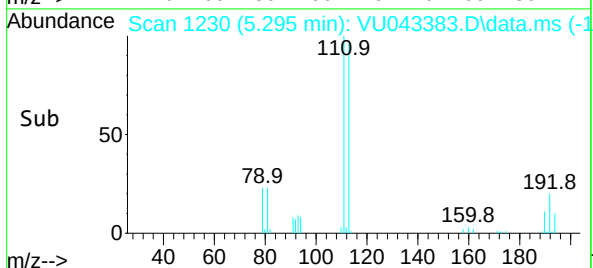
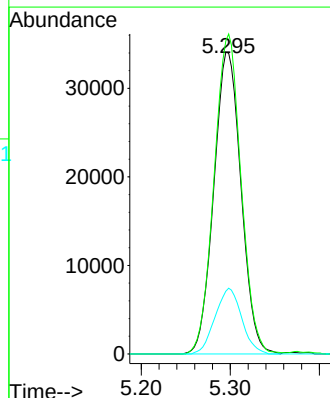
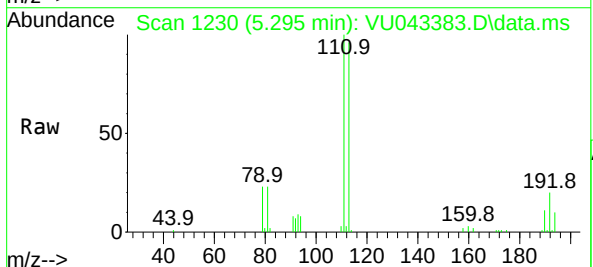
Tgt Ion:113 Resp: 72382

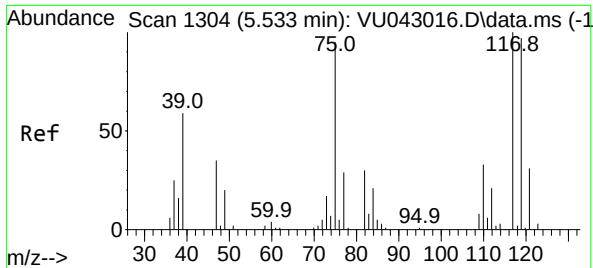
Ion Ratio Lower Upper

113 100

111 105.0 81.8 122.8

192 21.2 17.2 25.8

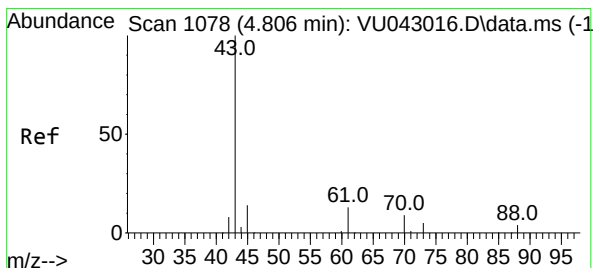
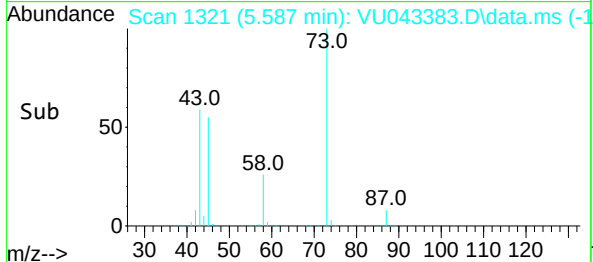
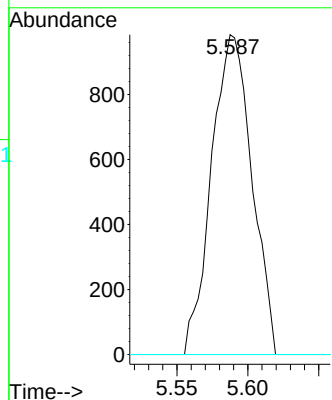
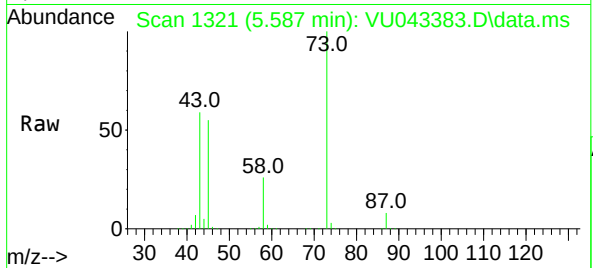




#36
1,1-Dichloropropene
Concen: 0.98 ug/l
RT: 5.587 min Scan# 1321
Delta R.T. 0.054 min
Lab File: VU043383.D
Acq: 28 Apr 2021 14:08

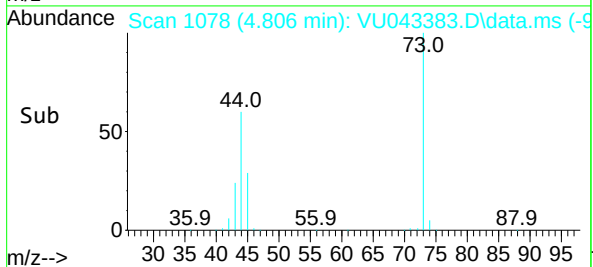
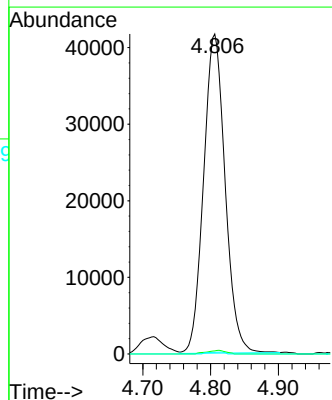
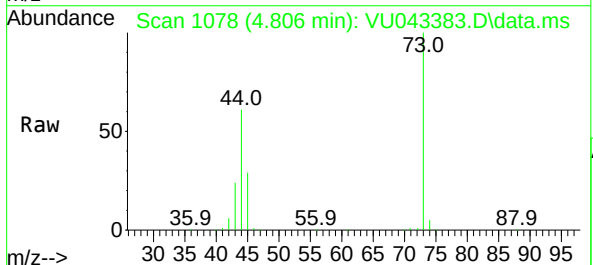
Instrument :
MSVOA_U
ClientSampled :

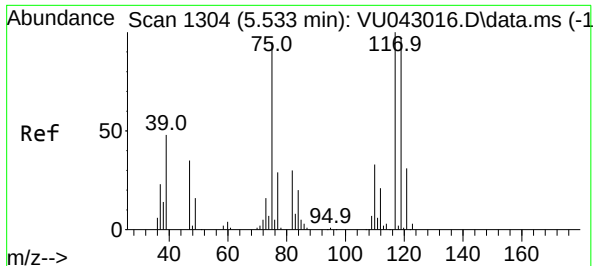
Tgt Ion: 75 Resp: 1951
Ion Ratio Lower Upper
75 100
110 0.0 16.8 50.3#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 27.04 ug/l
RT: 4.806 min Scan# 1078
Delta R.T. 0.000 min
Lab File: VU043383.D
Acq: 28 Apr 2021 14:08

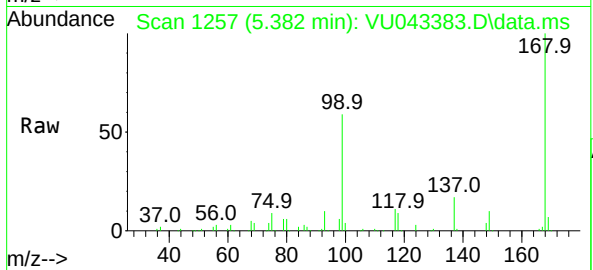
Tgt Ion: 43 Resp: 91973
Ion Ratio Lower Upper
43 100
61 1.0 10.1 15.1#
70 0.5 7.2 10.8#



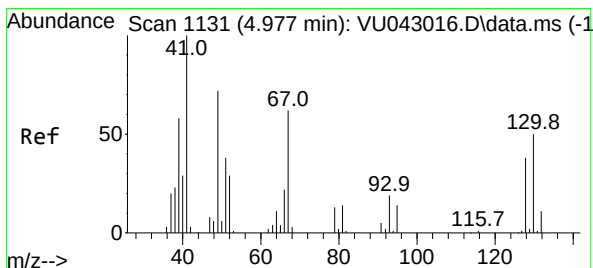
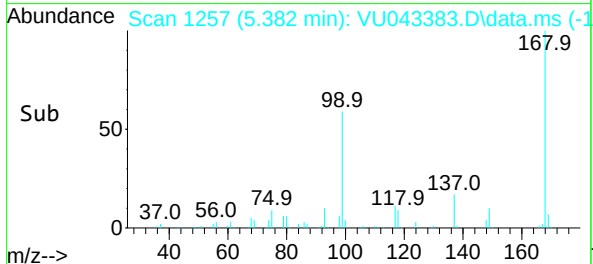
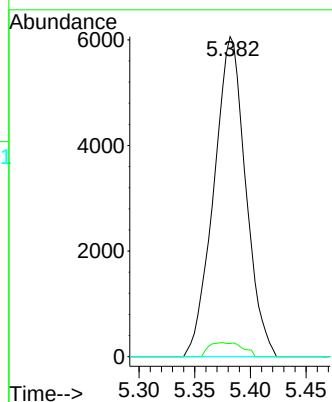


#38
Carbon Tetrachloride
Concen: 5.66 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043383.D
Acq: 28 Apr 2021 14:08

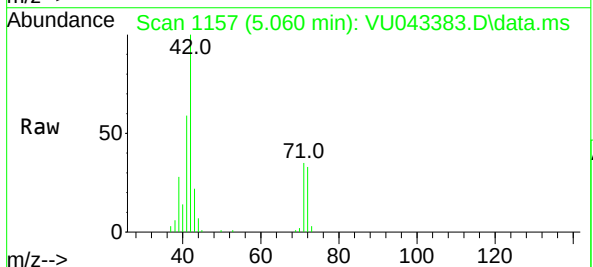
Instrument :
MSVOA_U
ClientSampled :



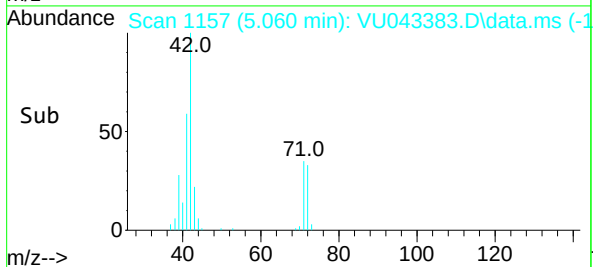
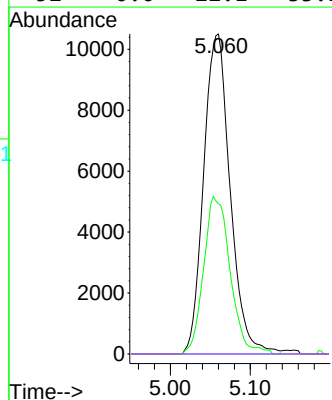
Tgt Ion:117 Resp: 12064
Ion Ratio Lower Upper
117 100
119 4.1 75.5 113.3#
121 0.0 24.7 37.1#

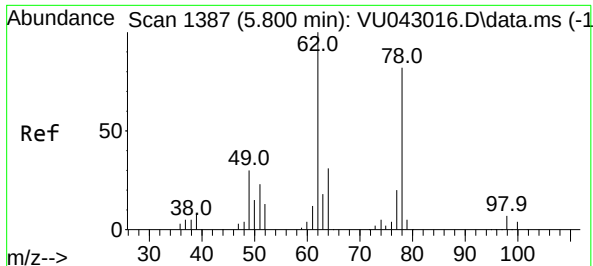


#41
Methacrylonitrile
Concen: 13.52 ug/l
RT: 5.060 min Scan# 1157
Delta R.T. 0.083 min
Lab File: VU043383.D
Acq: 28 Apr 2021 14:08



Tgt Ion: 41 Resp: 24181
Ion Ratio Lower Upper
41 100
39 49.3 45.1 67.7
67 0.0 50.2 75.2#
52 0.0 22.1 33.1#





#42

1,2-Dichloroethane

Concen: 0.66 ug/l

RT: 5.803 min Scan# 1388

Delta R.T. 0.003 min

Lab File: VU043383.D

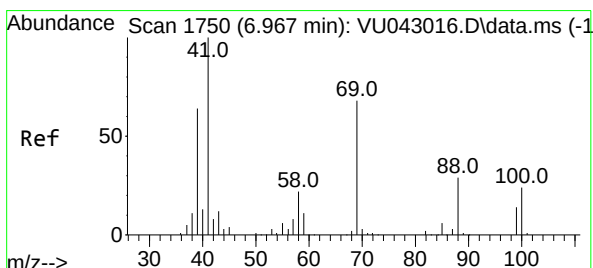
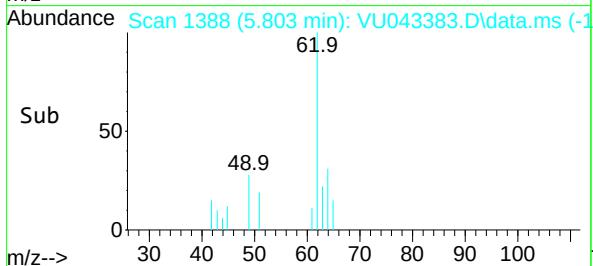
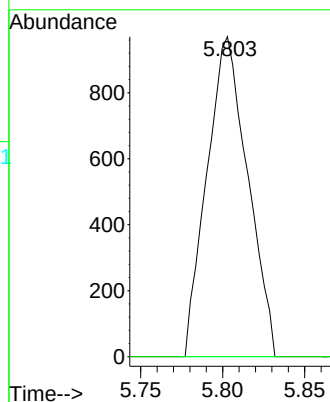
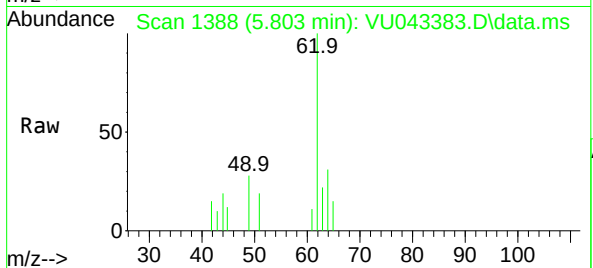
Acq: 28 Apr 2021 14:08

Tgt Ion: 62 Resp: 1673

Ion Ratio Lower Upper

62 100

98 0.0 0.0 14.8



#48

Methyl methacrylate

Concen: 0.22 ug/l

RT: 6.970 min Scan# 1751

Delta R.T. 0.003 min

Lab File: VU043383.D

Acq: 28 Apr 2021 14:08

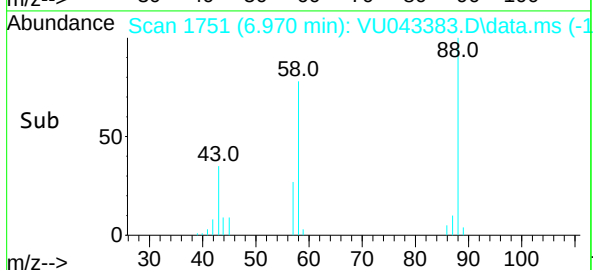
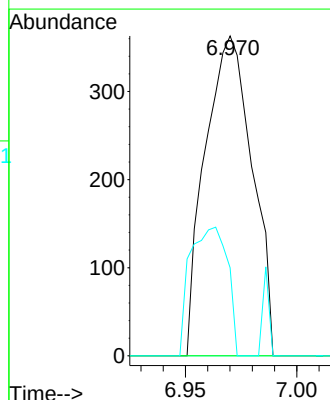
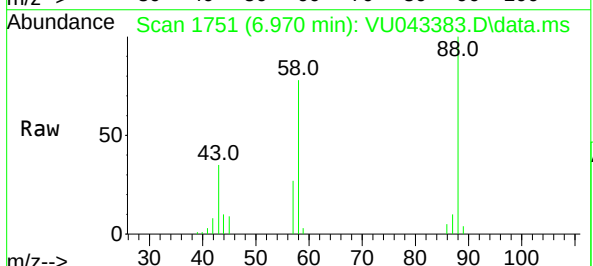
Tgt Ion: 41 Resp: 534

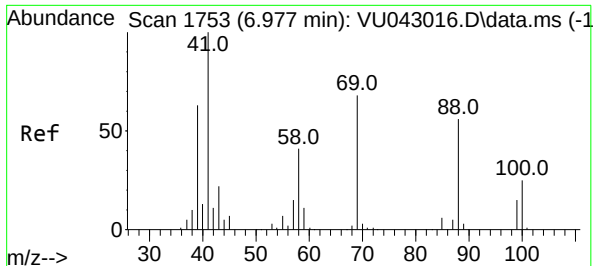
Ion Ratio Lower Upper

41 100

69 0.0 57.0 85.6#

39 31.8 48.4 72.6#





#49

1,4-Dioxane

Concen: 469.92 ug/l

RT: 6.967 min Scan# 1750

Delta R.T. -0.010 min

Lab File: VU043383.D

Acq: 28 Apr 2021 14:08

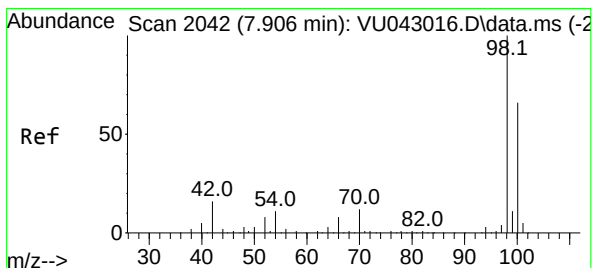
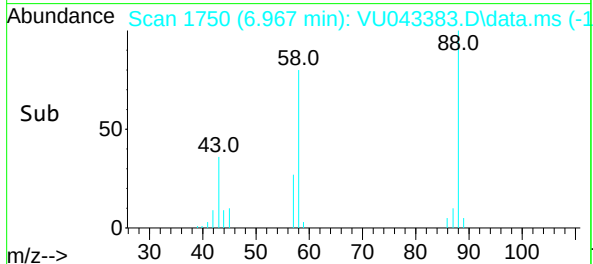
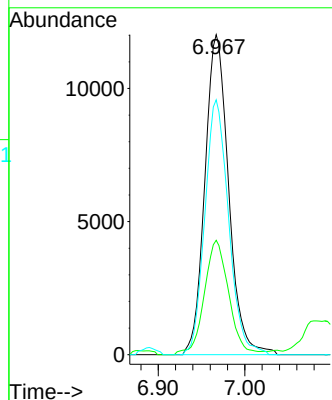
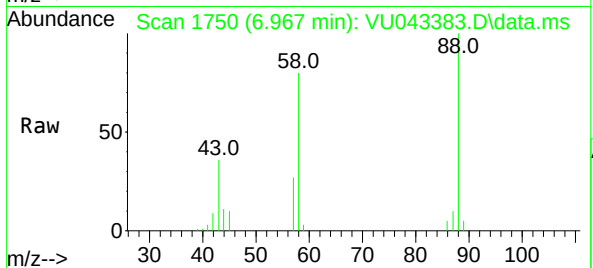
Tgt Ion: 88 Resp: 22931

Ion Ratio Lower Upper

88 100

43 36.7 0.0 0.0#

58 79.8 60.4 90.6



#50

Toluene-d8

Concen: 51.36 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU043383.D

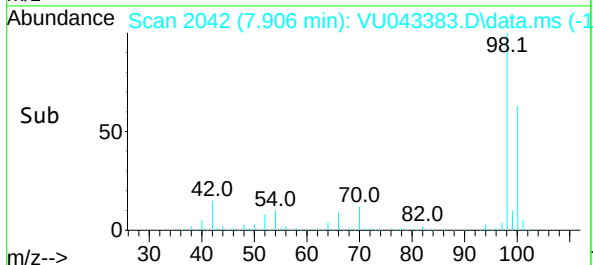
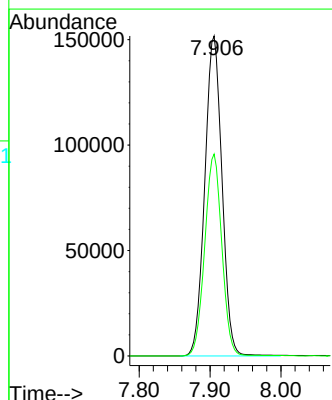
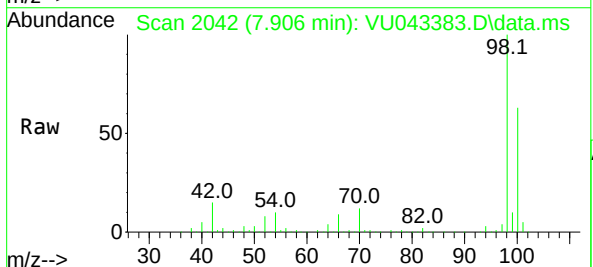
Acq: 28 Apr 2021 14:08

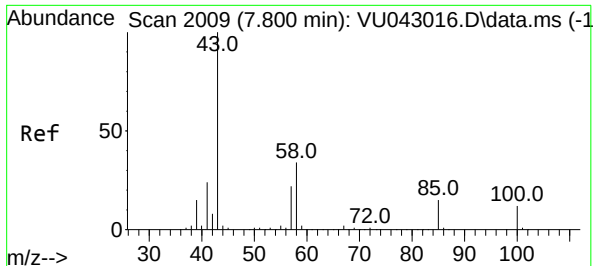
Tgt Ion: 98 Resp: 256092

Ion Ratio Lower Upper

98 100

100 62.5 50.2 75.2

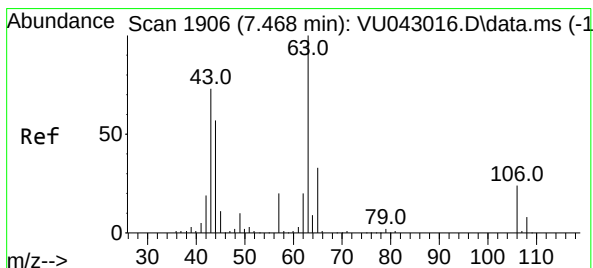
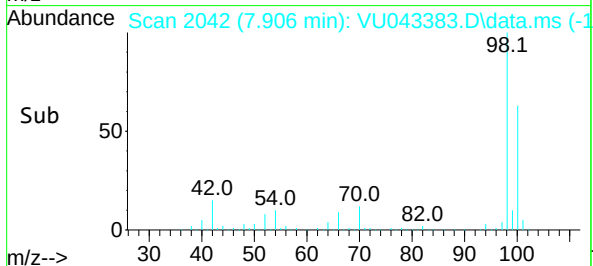
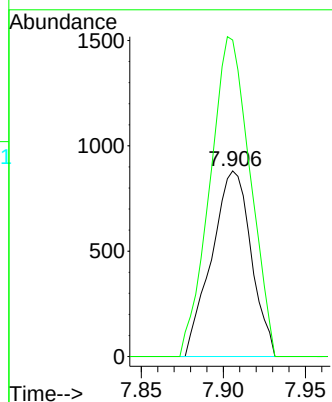
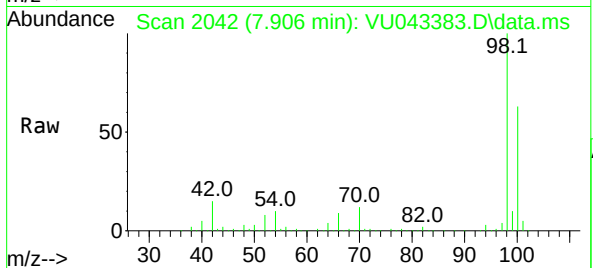




#51
4-Methyl-2-Pentanone
Concen: 0.41 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. 0.106 min
Lab File: VU043383.D
Acq: 28 Apr 2021 14:08

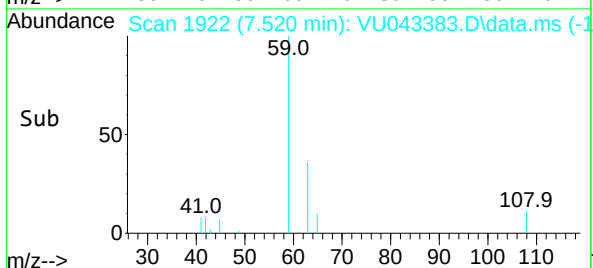
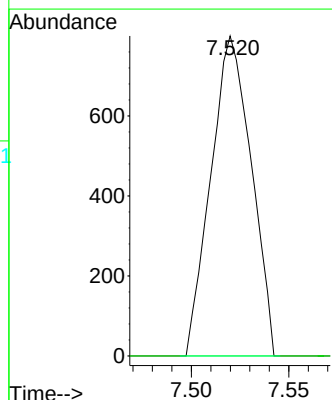
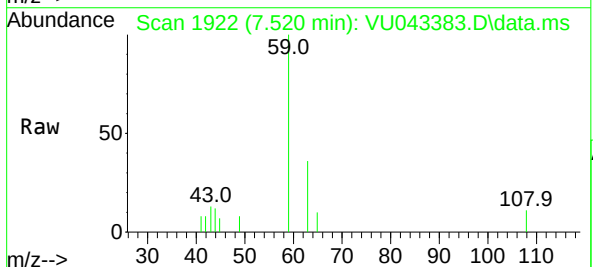
Instrument :
MSVOA_U
ClientSampled :

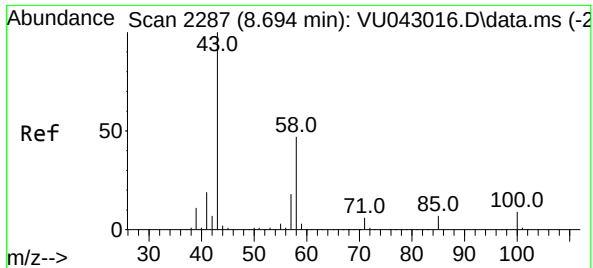
Tgt Ion: 43 Resp: 1473
Ion Ratio Lower Upper
43 100
58 174.9 28.1 42.1#



#58
2-Chloroethyl Vinyl ether
Concen: 8.39 ug/l
RT: 7.520 min Scan# 1922
Delta R.T. 0.052 min
Lab File: VU043383.D
Acq: 28 Apr 2021 14:08

Tgt Ion: 63 Resp: 1156
Ion Ratio Lower Upper
63 100
106 0.0 20.3 30.5#

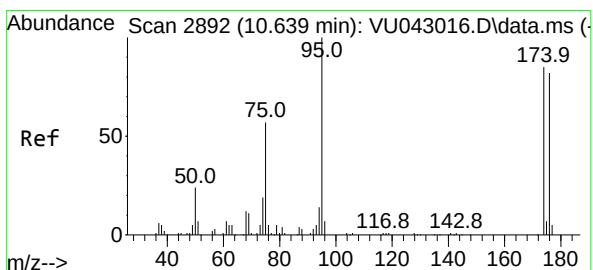
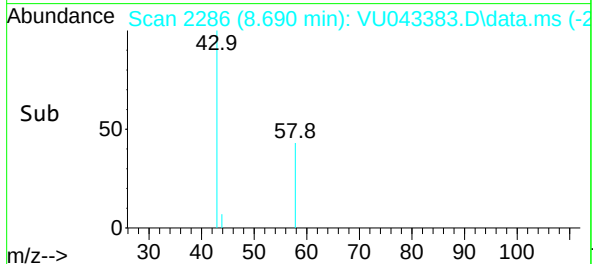
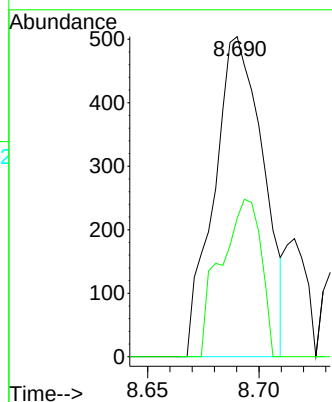
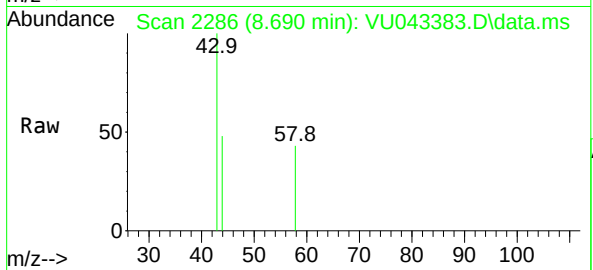




#59
2-Hexanone
Concen: 0.26 ug/l
RT: 8.690 min Scan# 2286
Delta R.T. -0.004 min
Lab File: VU043383.D
Acq: 28 Apr 2021 14:08

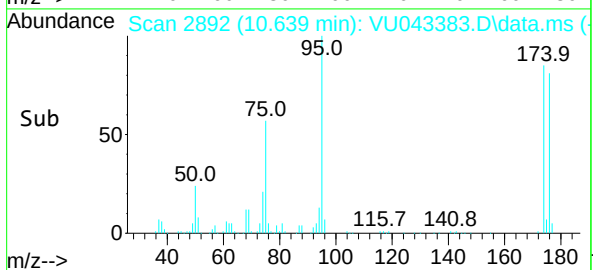
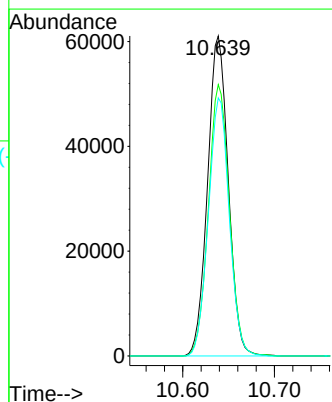
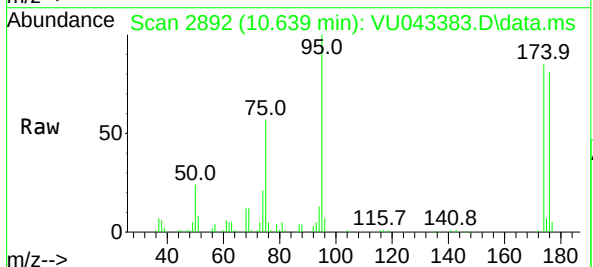
Instrument :
MSVOA_U
ClientSampled :

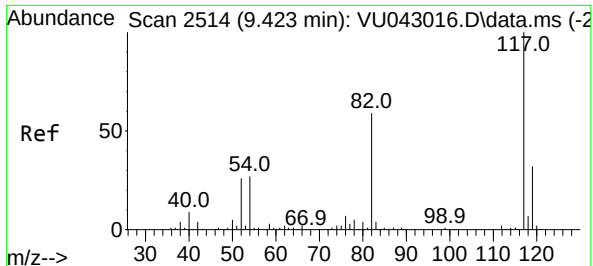
Tgt Ion: 43 Resp: 776
Ion Ratio Lower Upper
43 100
58 40.2 24.0 72.0



#62
4-Bromofluorobenzene
Concen: 48.10 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043383.D
Acq: 28 Apr 2021 14:08

Tgt Ion: 95 Resp: 96043
Ion Ratio Lower Upper
95 100
174 85.8 0.0 172.2
176 81.2 0.0 168.8

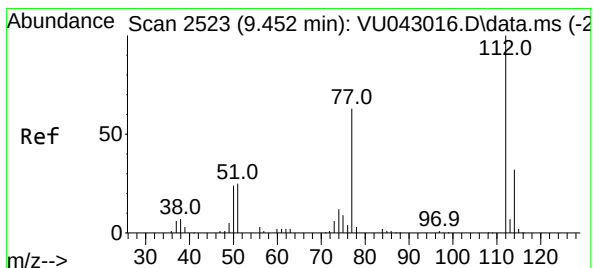
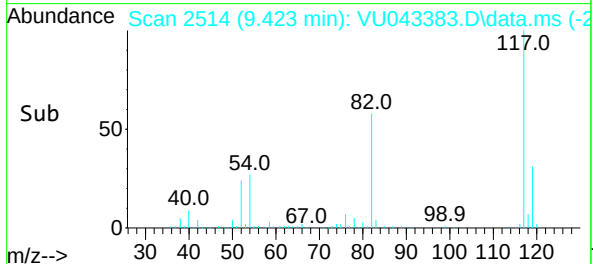
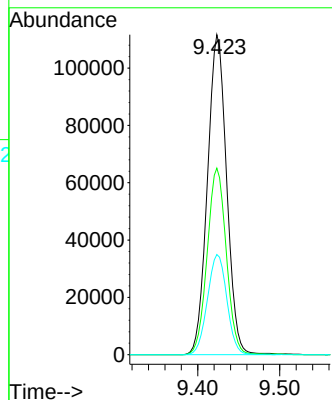
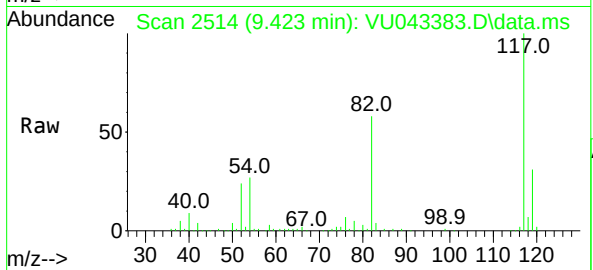




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043383.D
Acq: 28 Apr 2021 14:08

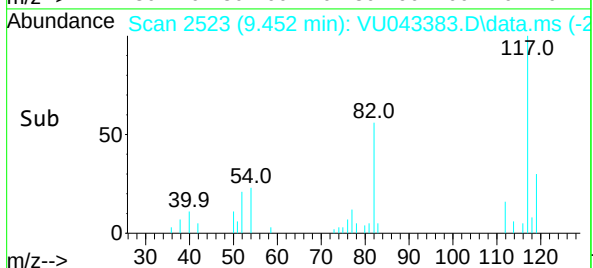
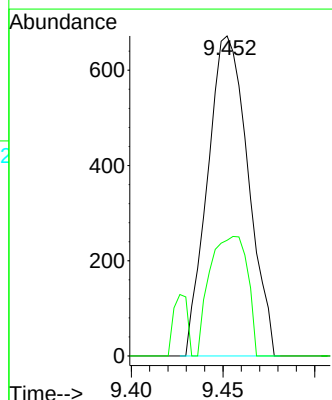
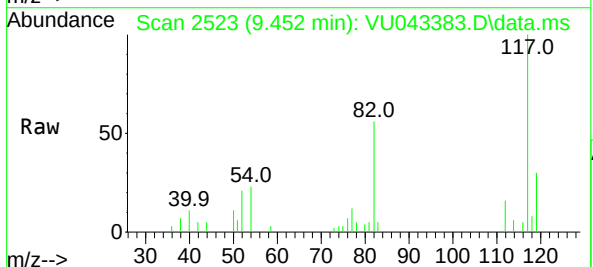
Instrument :
MSVOA_U
ClientSampleId :

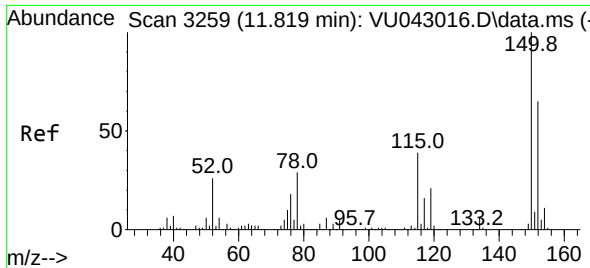
Tgt Ion:117 Resp: 181654
Ion Ratio Lower Upper
117 100
82 58.3 45.8 68.6
119 31.3 25.8 38.8



#65
Chlorobenzene
Concen: 0.27 ug/l
RT: 9.452 min Scan# 2523
Delta R.T. 0.000 min
Lab File: VU043383.D
Acq: 28 Apr 2021 14:08

Tgt Ion:112 Resp: 1033
Ion Ratio Lower Upper
112 100
114 36.2 25.0 37.4

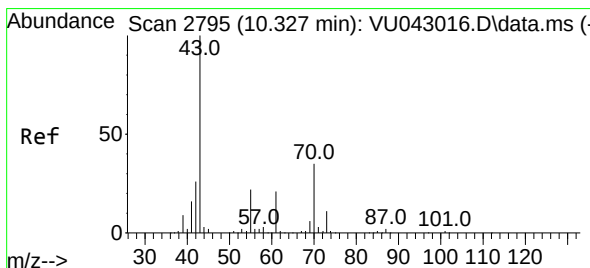
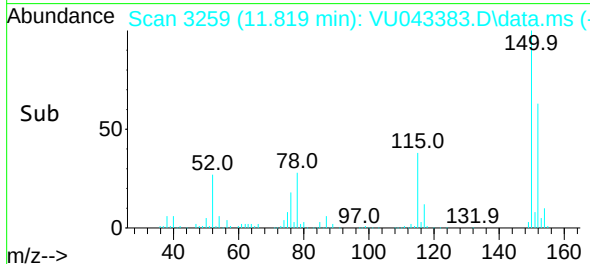
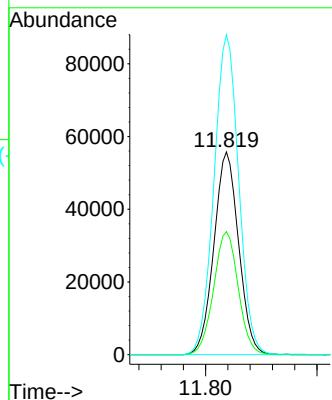
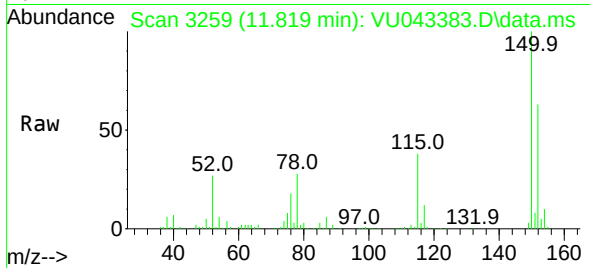




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU043383.D
Acq: 28 Apr 2021 14:08

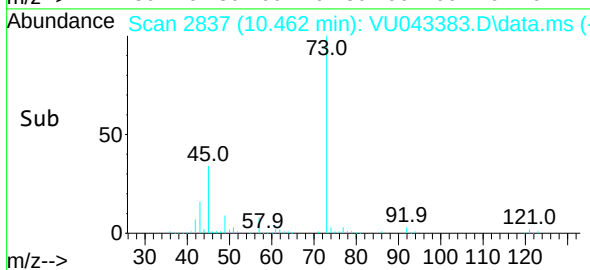
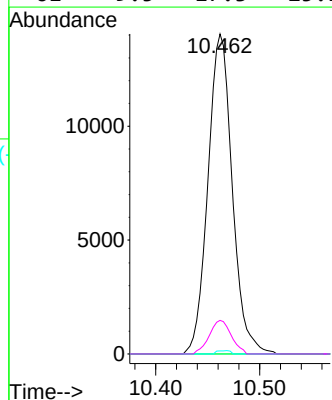
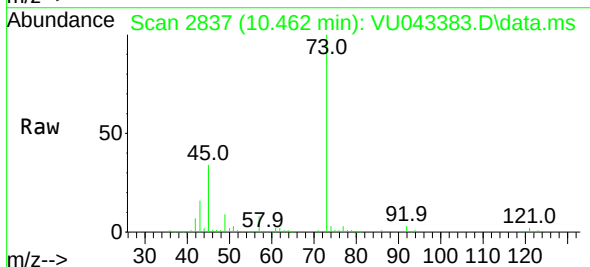
Instrument :
MSVOA_U
ClientSampleId :

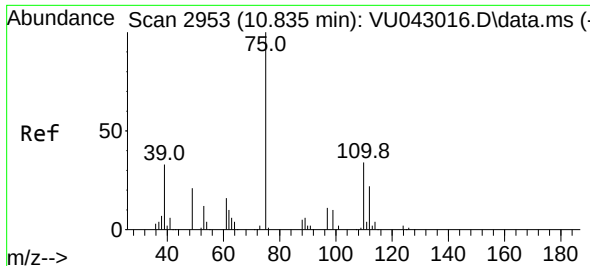
Tgt Ion:152 Resp: 85901
Ion Ratio Lower Upper
152 100
115 60.5 41.5 124.6
150 157.9 0.0 342.4



#74
N-ethyl acetate
Concen: 6.16 ug/l
RT: 10.462 min Scan# 2837
Delta R.T. 0.135 min
Lab File: VU043383.D
Acq: 28 Apr 2021 14:08

Tgt Ion: 43 Resp: 22831
Ion Ratio Lower Upper
43 100
70 0.0 28.3 42.5#
55 0.6 17.2 25.8#
61 9.5 17.3 25.9#

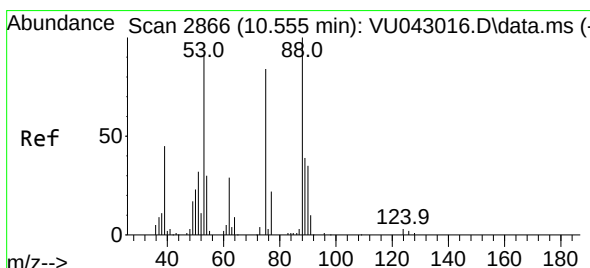
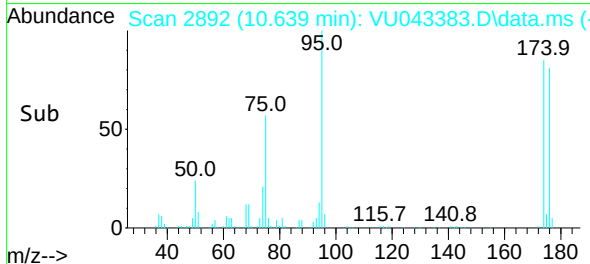
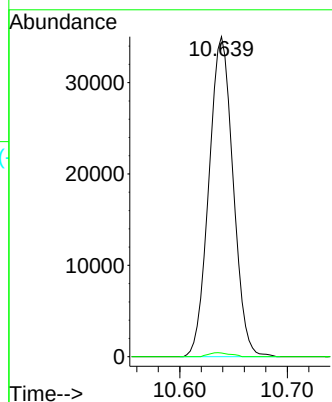
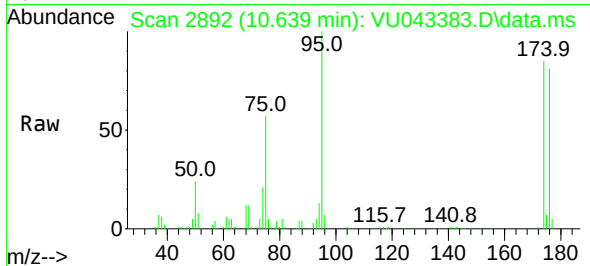




#76
1,2,3-Trichloropropane
Concen: 21.82 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.196 min
Lab File: VU043383.D
Acq: 28 Apr 2021 14:08

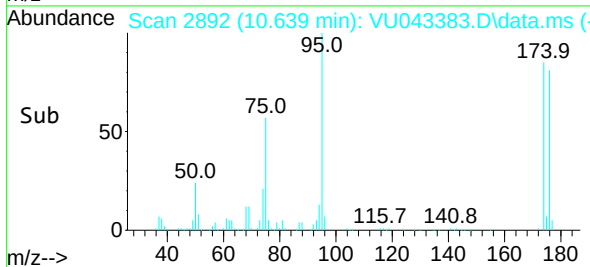
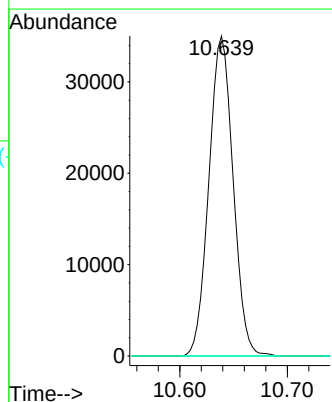
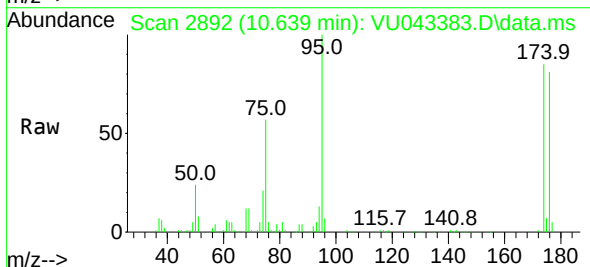
Instrument :
MSVOA_U
ClientSampled :

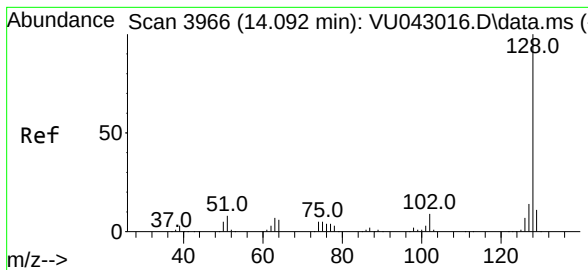
Tgt Ion: 75 Resp: 54773
Ion Ratio Lower Upper
75 100
77 1.1 20.2 60.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.12 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU043383.D
Acq: 28 Apr 2021 14:08

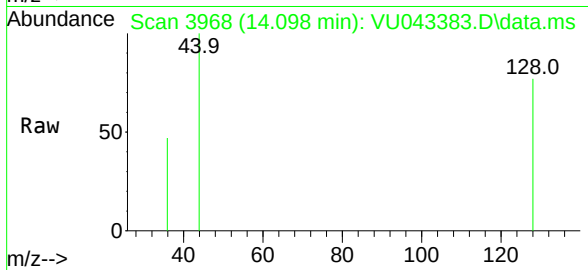
Tgt Ion: 75 Resp: 54773
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#





#95
Naphthalene
Concen: 2.78 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.006 min
Lab File: VU043383.D
Acq: 28 Apr 2021 14:08

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 257
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#

