

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050621\
 Data File : VU043588.D
 Acq On : 06 May 2021 17:09
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

Quant Time: May 07 02:06:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 06 07:26:23 2021
 Response via : Initial Calibration

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

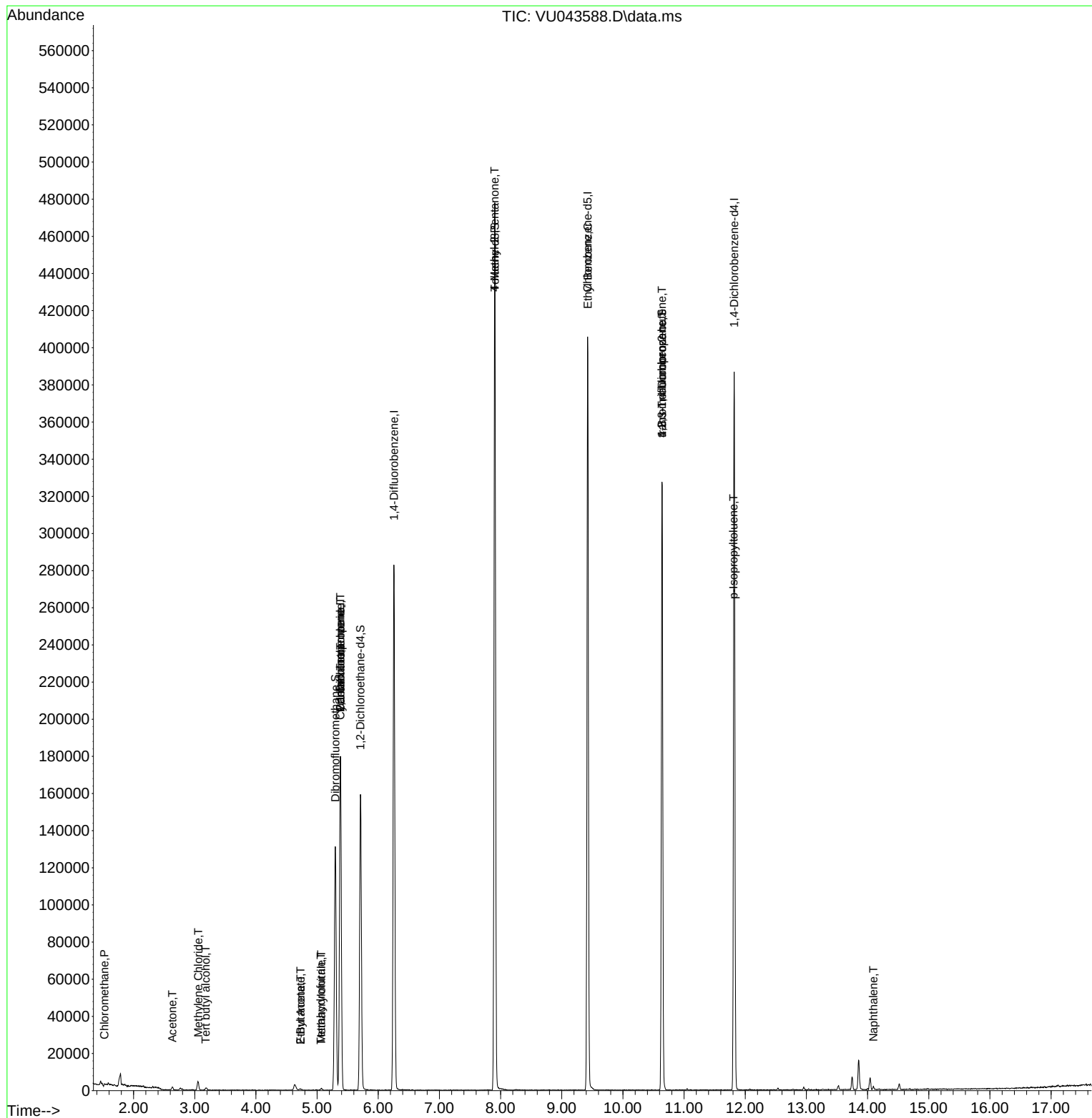
Internal Standards						
1) Pentafluorobenzene	5.382	168	115787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	203911	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	198596	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	89883	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	120783	51.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.06%	
35) Dibromofluoromethane	5.298	113	81723	50.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.50%	
50) Toluene-d8	7.906	98	284763	49.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.78%	
62) 4-Bromofluorobenzene	10.639	95	99292	45.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.52%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	539	0.56	ug/l #	75
11) Tert butyl alcohol	3.179	59	1502	2.39	ug/l #	73
16) Acetone	2.633	43	1632	1.25	ug/l	90
20) Methylene Chloride	3.057	84	1953	1.07	ug/l	97
25) 2-Butanone	4.729	43	1015	0.51	ug/l #	56
29) Tetrahydrofuran	5.060	42	265	0.23	ug/l #	91
31) Cyclohexane	5.378	56	3192	1.14	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	10455	4.52	ug/l #	50
37) Ethyl Acetate	4.729	43	1015	0.26	ug/l #	72
38) Carbon Tetrachloride	5.382	117	11856	5.05	ug/l #	17
41) Methacrylonitrile	5.070	41	426	2.06	ug/l #	45
51) 4-Methyl-2-Pentanone	7.902	43	1741	19.53	ug/l #	1
67) Ethyl Benzene	9.427	91	333	1.49	ug/l #	45
76) 1,2,3-Trichloropropane	10.639	75	57312	20.05	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.639	75	57312	65.31	ug/l #	3
86) p-Isopropyltoluene	11.809	119	41	1.48	ug/l #	1
95) Naphthalene	14.095	128	1814	1.75	ug/l #	83

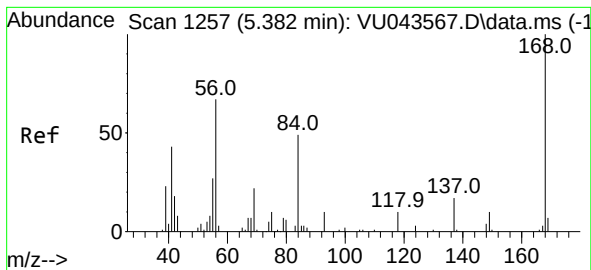
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 06 07:26:23 2021
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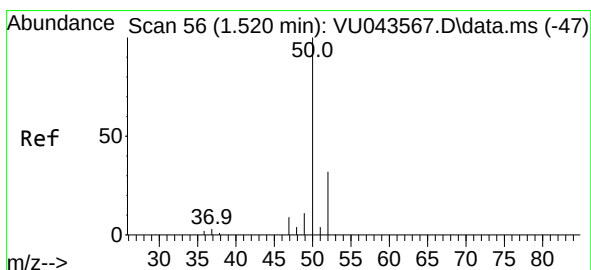
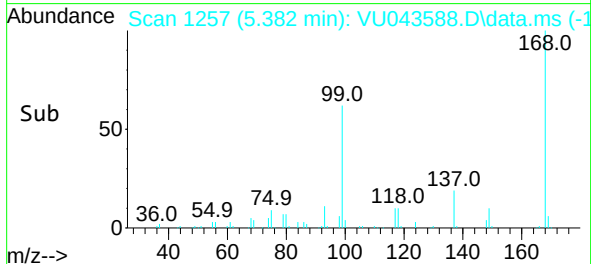
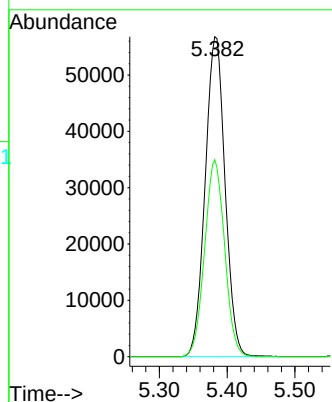
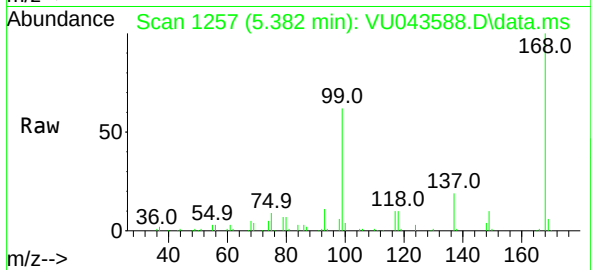




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043588.D
Acq: 06 May 2021 17:09

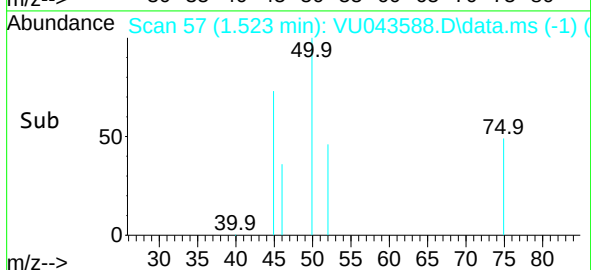
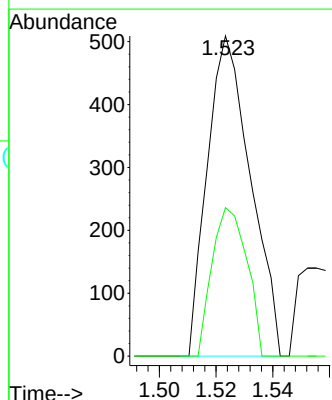
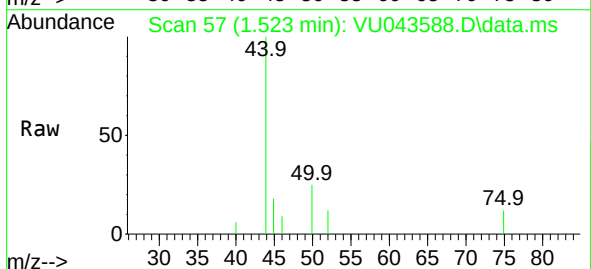
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

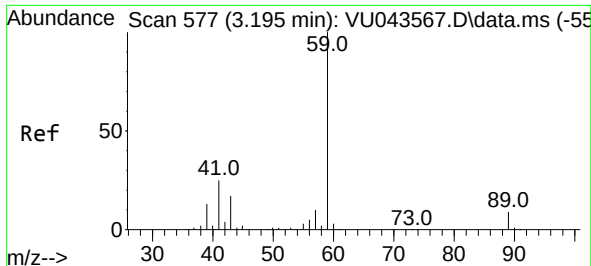
Tgt Ion:168 Resp: 115787
Ion Ratio Lower Upper
168 100
99 61.6 49.0 73.6



#3
Chloromethane
Concen: 0.56 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043588.D
Acq: 06 May 2021 17:09

Tgt Ion: 50 Resp: 539
Ion Ratio Lower Upper
50 100
52 46.4 25.9 38.9#



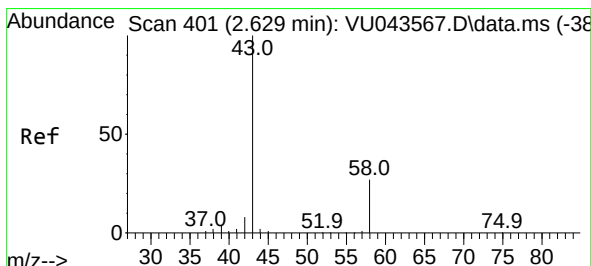
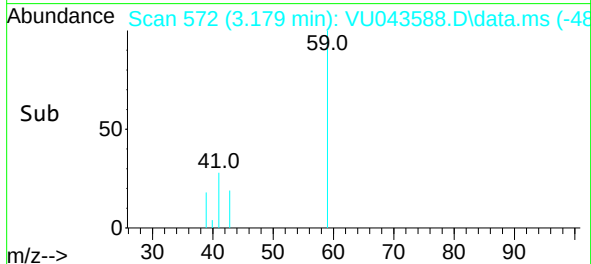
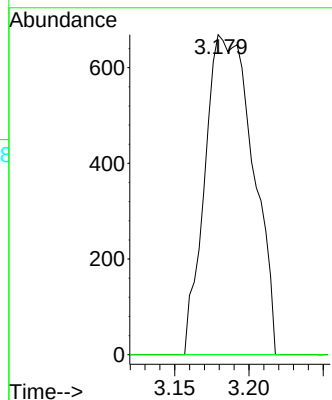
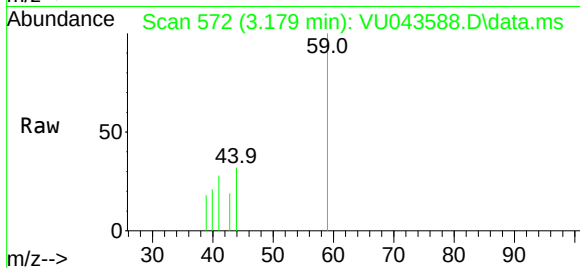


#11

Tert butyl alcohol
Concen: 2.39 ug/l
RT: 3.179 min Scan# 572
Delta R.T. -0.016 min
Lab File: VU043588.D
Acq: 06 May 2021 17:09

Instrument :
MSVOA_U
ClientSampled :
VIBLK

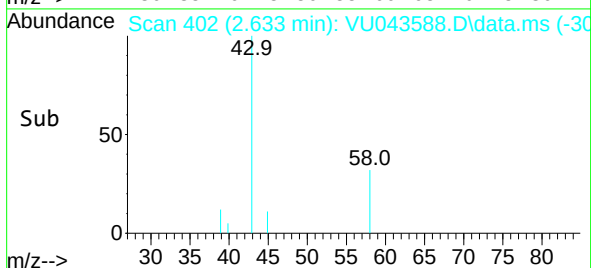
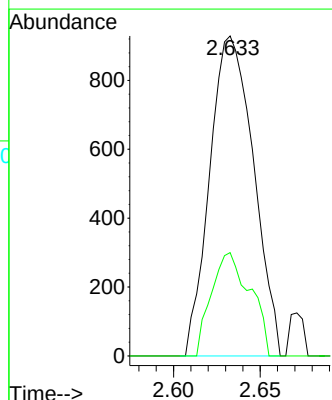
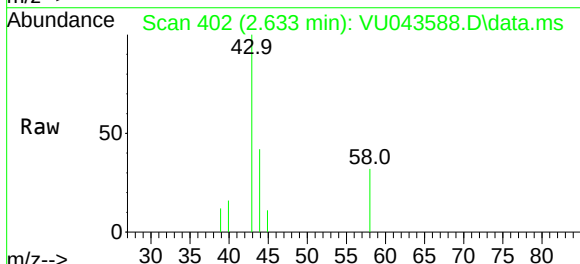
Tgt Ion: 59 Resp: 1502
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

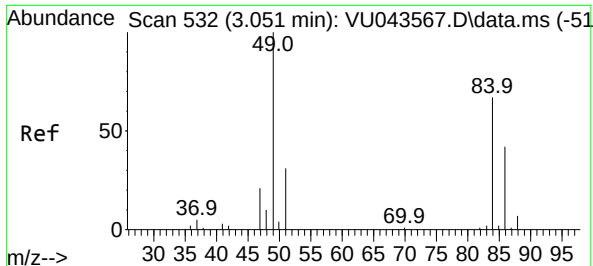


#16

Acetone
Concen: 1.25 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.003 min
Lab File: VU043588.D
Acq: 06 May 2021 17:09

Tgt Ion: 43 Resp: 1632
Ion Ratio Lower Upper
43 100
58 32.3 21.7 32.5





#20

Methylene Chloride

Concen: 1.07 ug/l

RT: 3.057 min Scan# 534

Delta R.T. 0.006 min

Lab File: VU043588.D

Acq: 06 May 2021 17:09

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

Tgt Ion: 84 Resp: 1953

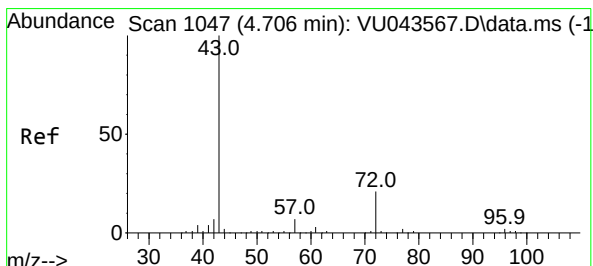
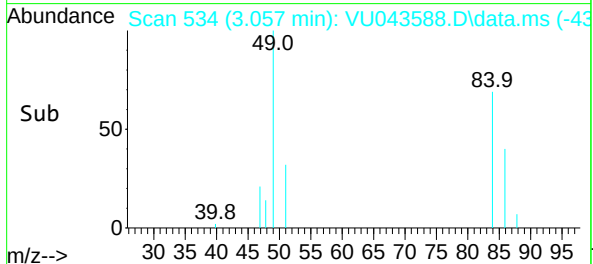
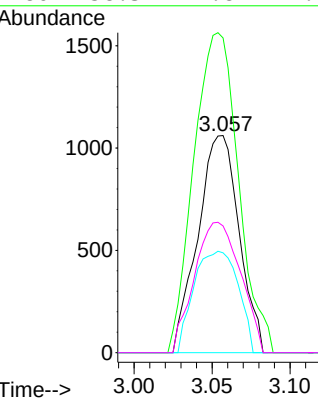
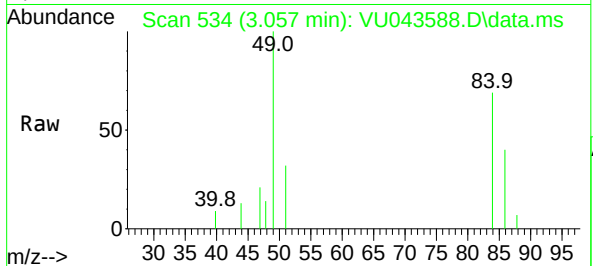
Ion Ratio Lower Upper

84 100

49 145.0 119.0 178.4

51 46.0 36.8 55.2

86 58.3 49.8 74.6



#25

2-Butanone

Concen: 0.51 ug/l

RT: 4.729 min Scan# 1054

Delta R.T. 0.023 min

Lab File: VU043588.D

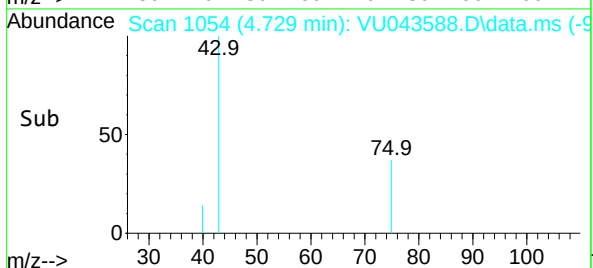
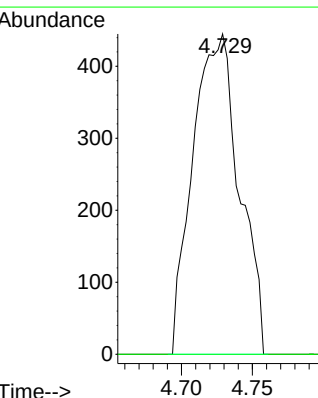
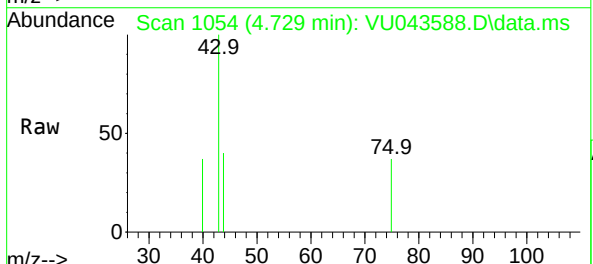
Acq: 06 May 2021 17:09

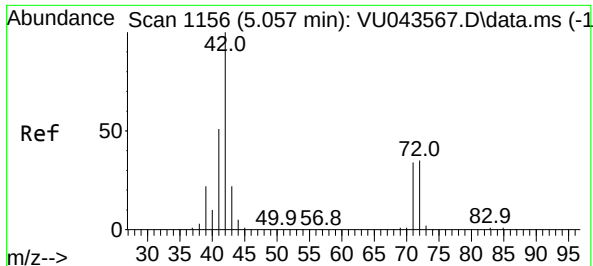
Tgt Ion: 43 Resp: 1015

Ion Ratio Lower Upper

43 100

72 0.0 16.5 24.7#





#29

Tetrahydrofuran

Concen: 0.23 ug/l

RT: 5.060 min Scan# 1157

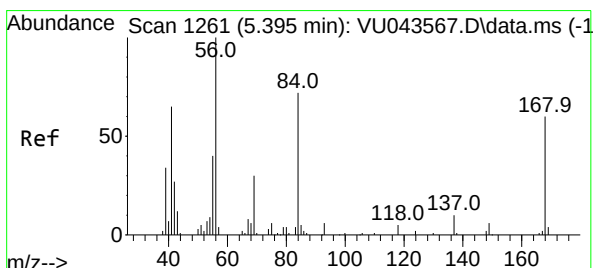
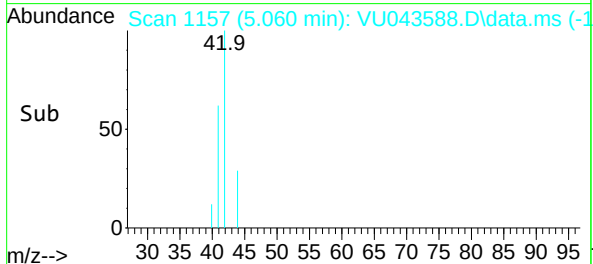
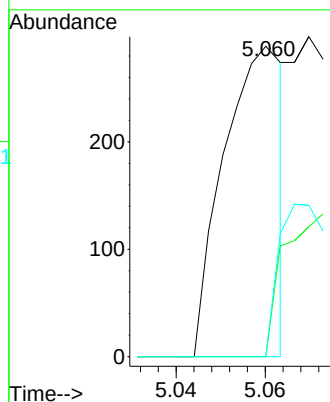
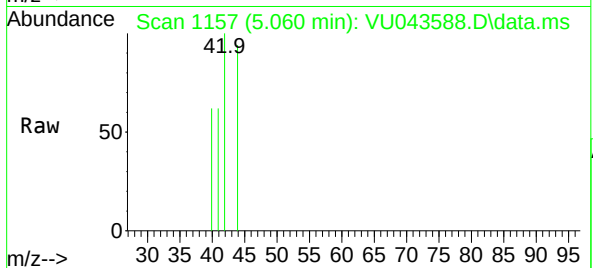
Delta R.T. 0.003 min

Lab File: VU043588.D

Acq: 06 May 2021 17:09

Tgt Ion:	42	Resp:	265
Ion	Ratio	Lower	Upper
42	100		
72	43.0	28.5	42.7#
71	37.4	27.4	41.2

Instrument :
MSVOA_U
ClientSampled :
VIBLK



#31

Cyclohexane

Concen: 1.14 ug/l

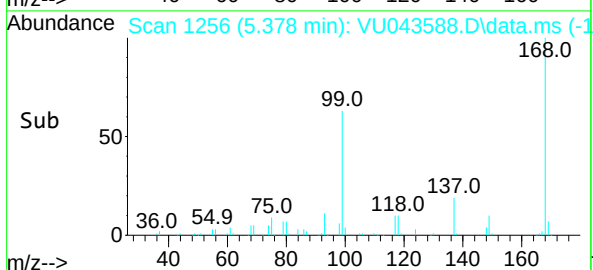
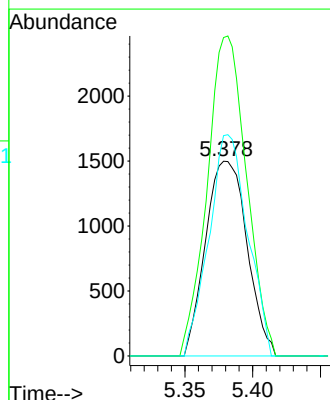
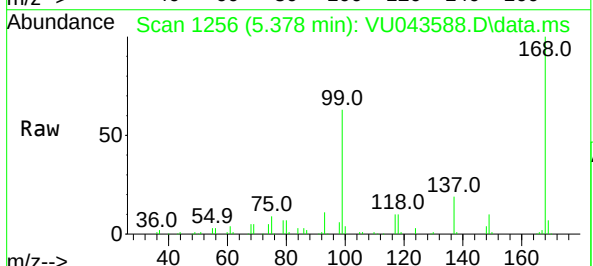
RT: 5.378 min Scan# 1256

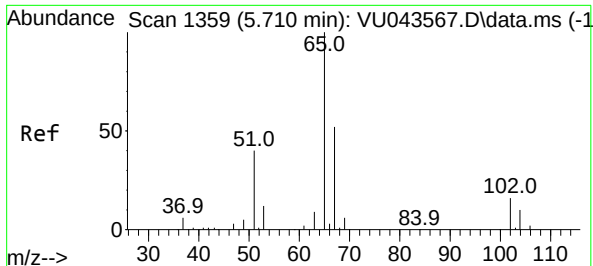
Delta R.T. -0.016 min

Lab File: VU043588.D

Acq: 06 May 2021 17:09

Tgt Ion:	56	Resp:	3192
Ion	Ratio	Lower	Upper
56	100		
69	163.5	23.9	35.9#
84	113.1	57.7	86.5#





#33

1,2-Dichloroethane-d4

Concen: 51.53 ug/l

RT: 5.710 min Scan# 1359

Delta R.T. 0.000 min

Lab File: VU043588.D

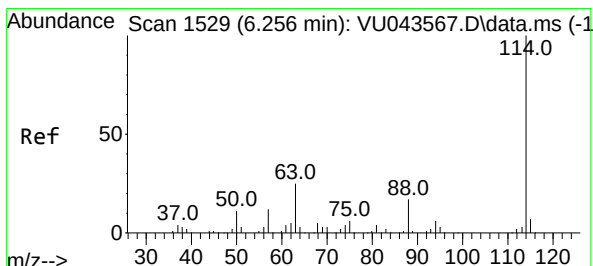
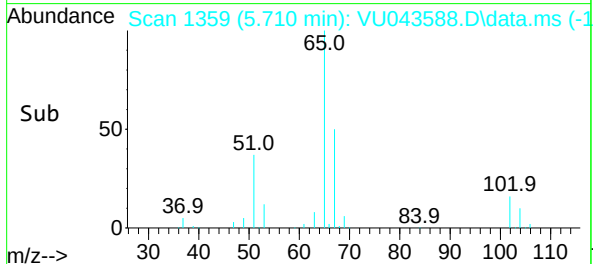
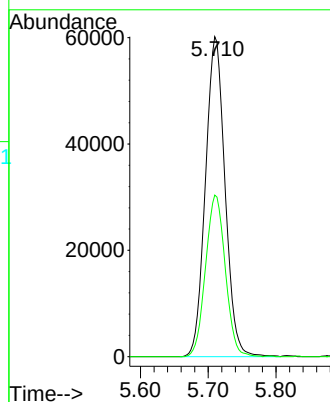
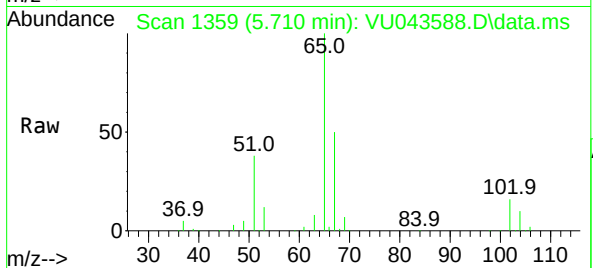
Acq: 06 May 2021 17:09

Tgt Ion: 65 Resp: 120783

Ion Ratio Lower Upper

65 100

67 50.9 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. 0.000 min

Lab File: VU043588.D

Acq: 06 May 2021 17:09

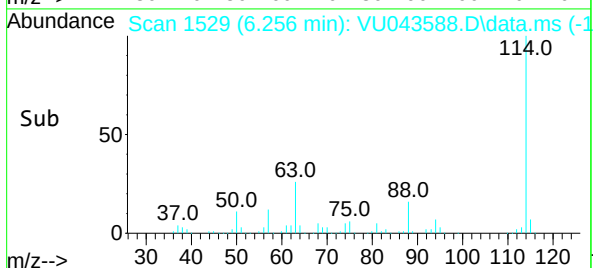
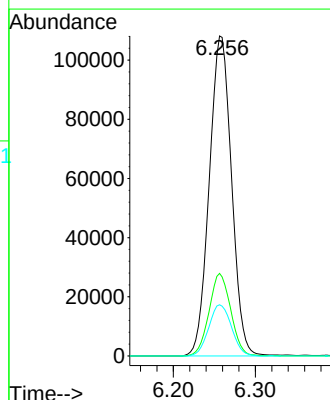
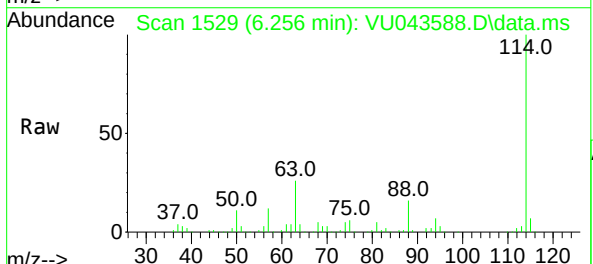
Tgt Ion: 114 Resp: 203911

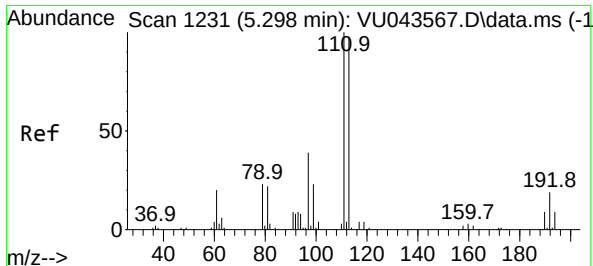
Ion Ratio Lower Upper

114 100

63 25.8 0.0 50.2

88 16.0 0.0 33.8

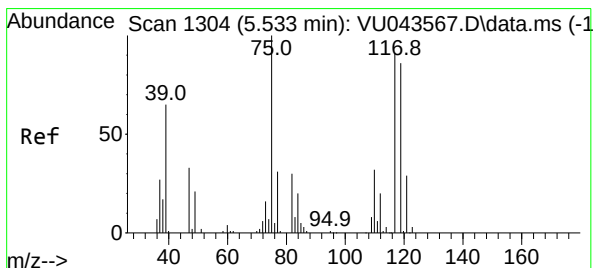
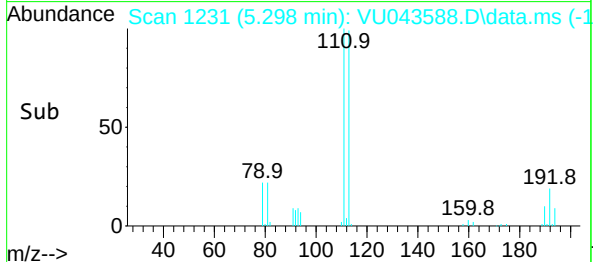
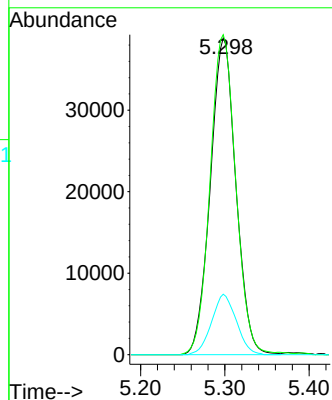
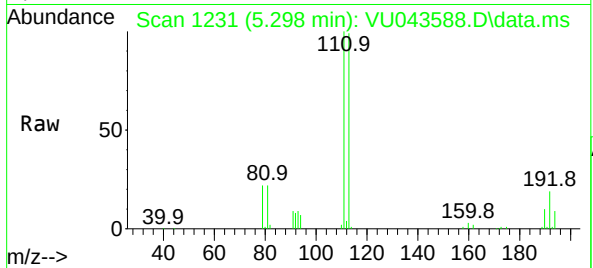




#35
Dibromofluoromethane
Concen: 50.25 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043588.D
Acq: 06 May 2021 17:09

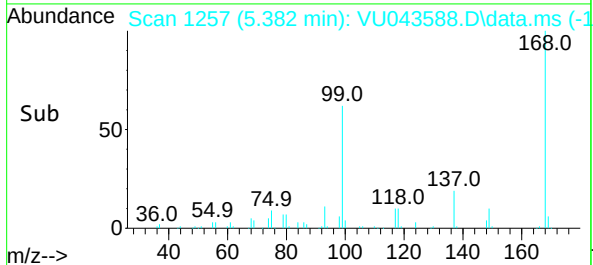
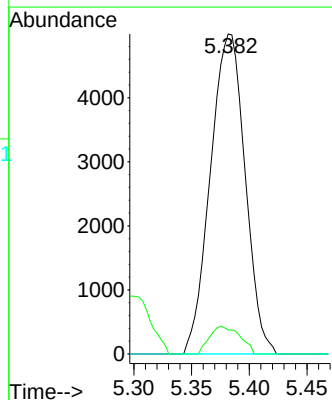
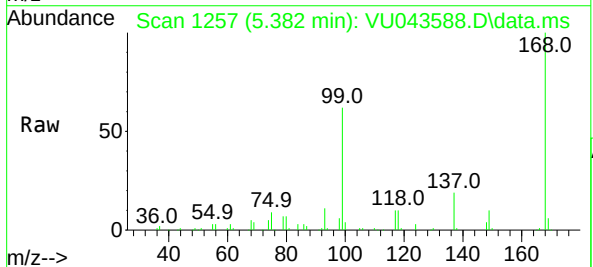
Instrument :
MSVOA_U
ClientSampled :
VIBLK

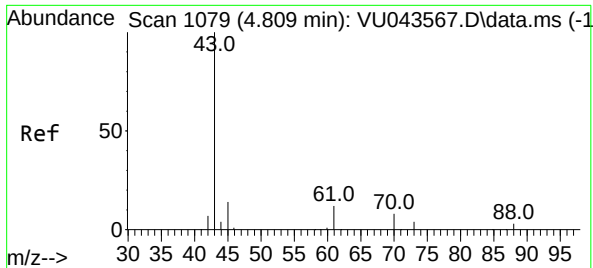
Tgt Ion:113 Resp: 81723
Ion Ratio Lower Upper
113 100
111 101.5 82.3 123.5
192 18.5 15.8 23.6



#36
1,1-Dichloropropene
Concen: 4.52 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043588.D
Acq: 06 May 2021 17:09

Tgt Ion: 75 Resp: 10455
Ion Ratio Lower Upper
75 100
110 7.6 16.2 48.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.26 ug/l

RT: 4.729 min Scan# 1054

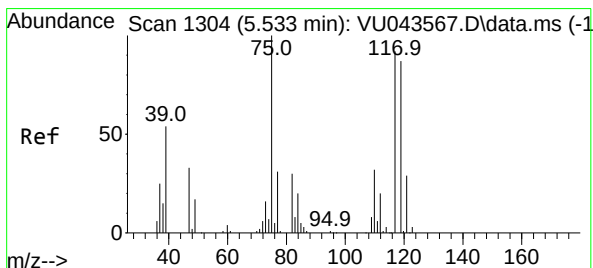
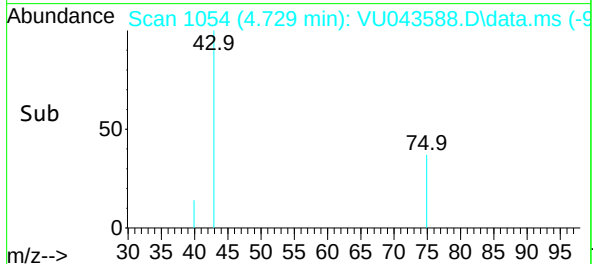
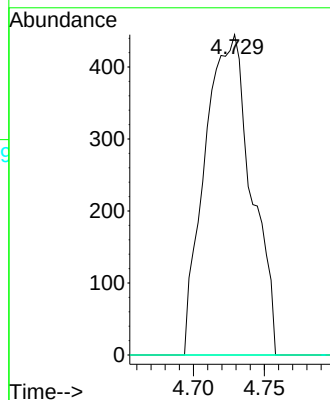
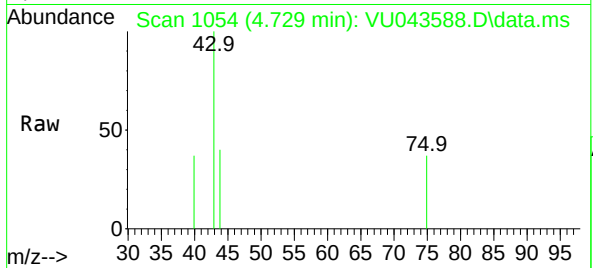
Delta R.T. -0.080 min

Lab File: VU043588.D

Acq: 06 May 2021 17:09

Tgt Ion: 43	Resp: 1015
Ion Ratio	Lower Upper
43 100	
61 0.0	9.7 14.5#
70 0.0	6.5 9.7#

Instrument :
MSVOA_U
ClientSampled :
VIBLK



#38

Carbon Tetrachloride

Concen: 5.05 ug/l

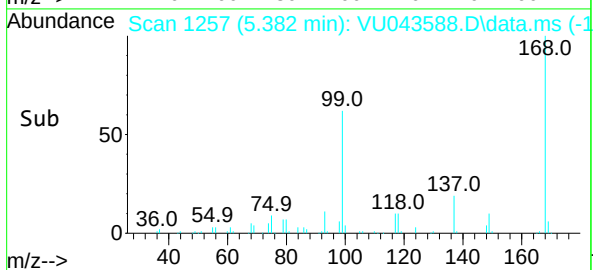
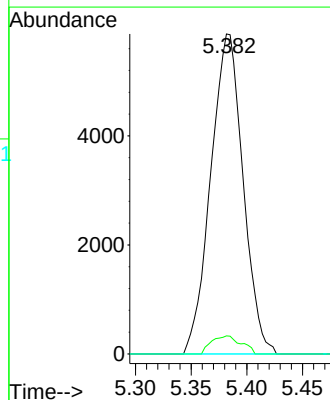
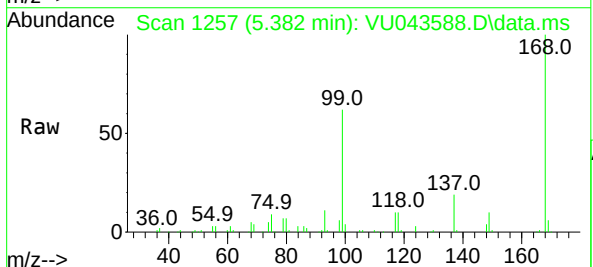
RT: 5.382 min Scan# 1257

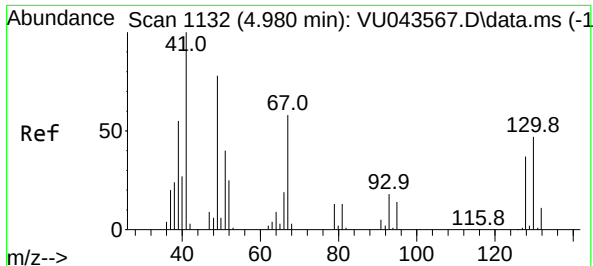
Delta R.T. -0.151 min

Lab File: VU043588.D

Acq: 06 May 2021 17:09

Tgt Ion: 117	Resp: 11856
Ion Ratio	Lower Upper
117 100	
119 5.7	75.4 113.0#
121 0.0	25.2 37.8#





#41

Methacrylonitrile

Concen: 2.06 ug/l

RT: 5.070 min Scan# 1160

Delta R.T. 0.090 min

Lab File: VU043588.D

Acq: 06 May 2021 17:09

Tgt Ion: 41 Resp: 426

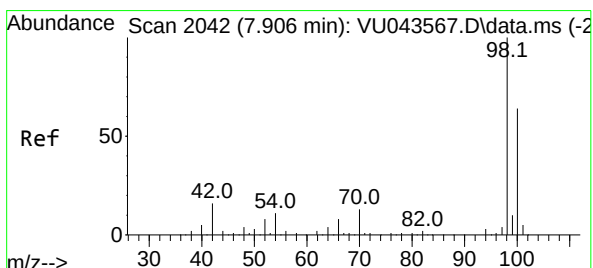
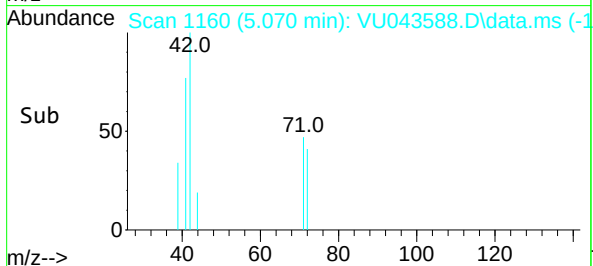
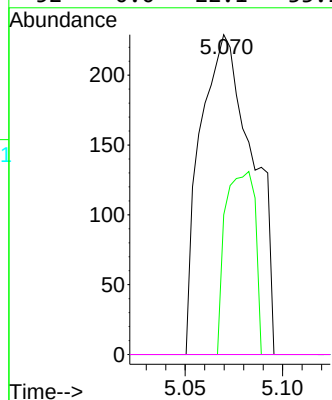
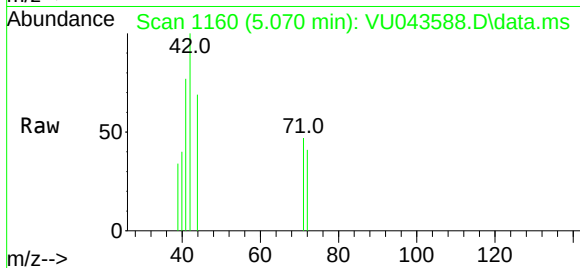
Ion Ratio Lower Upper

41 100

39 32.4 45.8 68.6#

67 0.0 46.5 69.7#

52 0.0 22.1 33.1#



#50

Toluene-d8

Concen: 49.39 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. 0.000 min

Lab File: VU043588.D

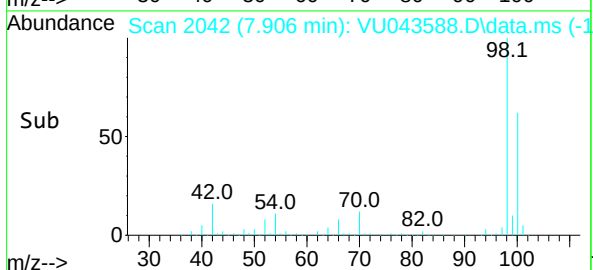
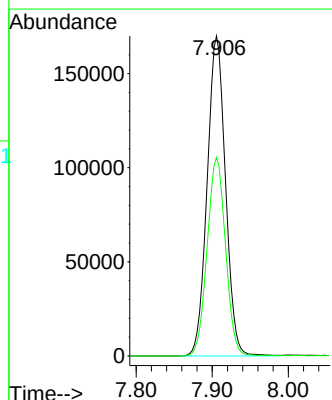
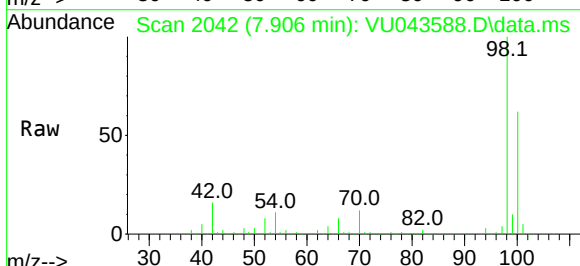
Acq: 06 May 2021 17:09

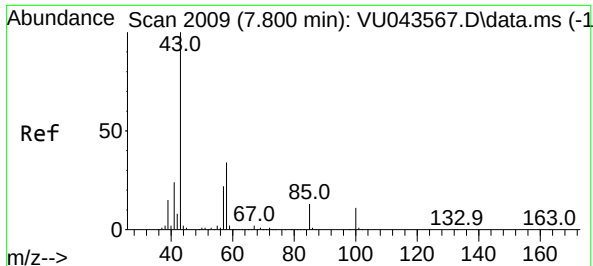
Tgt Ion: 98 Resp: 284763

Ion Ratio Lower Upper

98 100

100 62.3 50.5 75.7

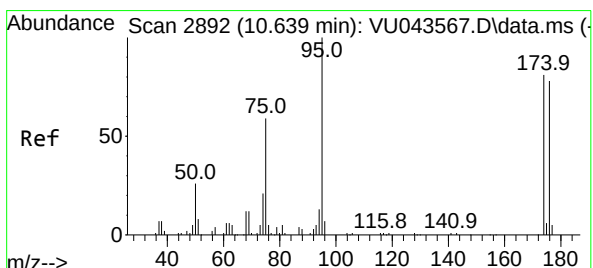
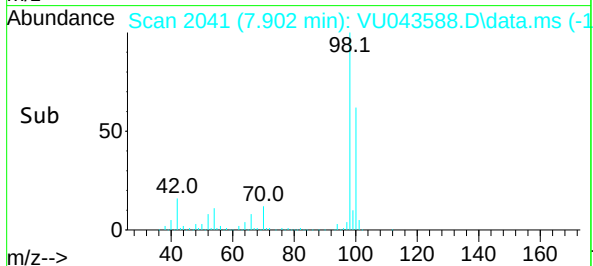
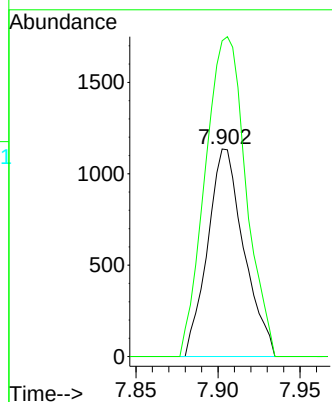
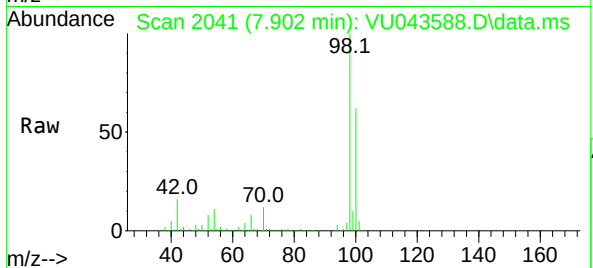




#51
4-Methyl-2-Pentanone
Concen: 19.53 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. 0.102 min
Lab File: VU043588.D
Acq: 06 May 2021 17:09

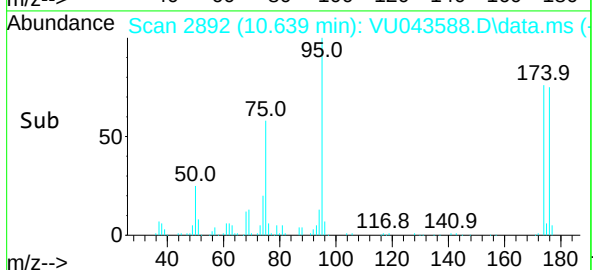
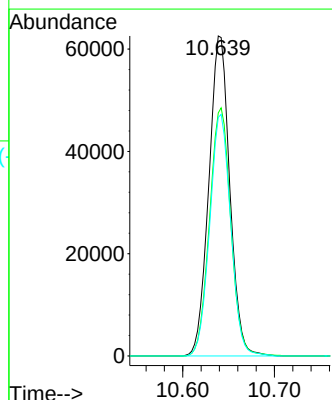
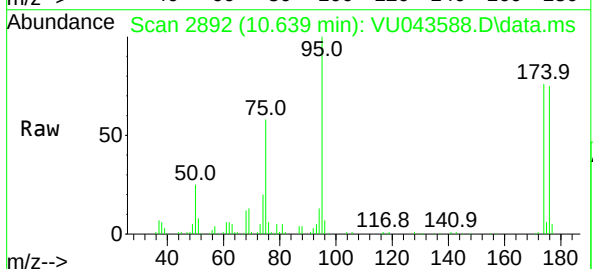
Instrument :
MSVOA_U
ClientSampled :
VIBLK

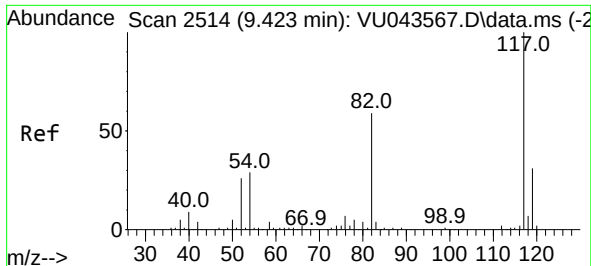
Tgt Ion: 43 Resp: 1741
Ion Ratio Lower Upper
43 100
58 173.6 27.2 40.8#



#62
4-Bromofluorobenzene
Concen: 45.26 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043588.D
Acq: 06 May 2021 17:09

Tgt Ion: 95 Resp: 99292
Ion Ratio Lower Upper
95 100
174 78.8 0.0 158.8
176 75.8 0.0 155.6

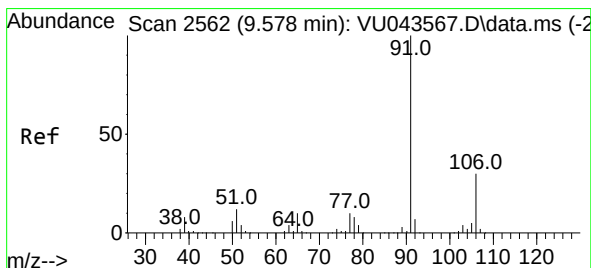
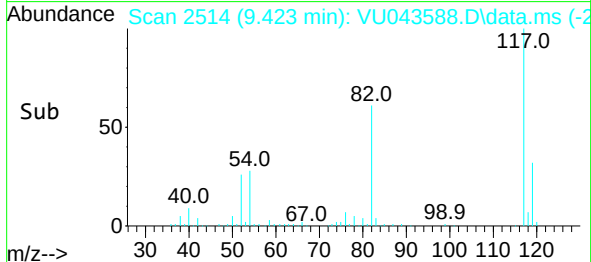
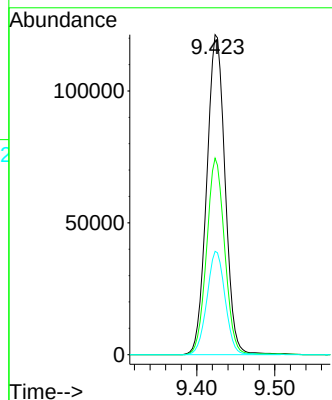
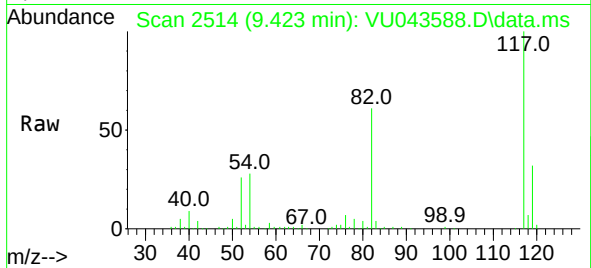




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043588.D
Acq: 06 May 2021 17:09

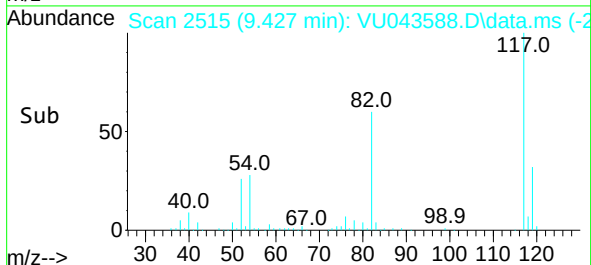
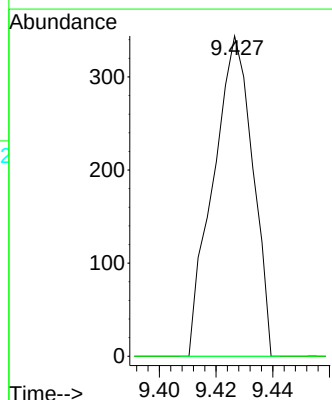
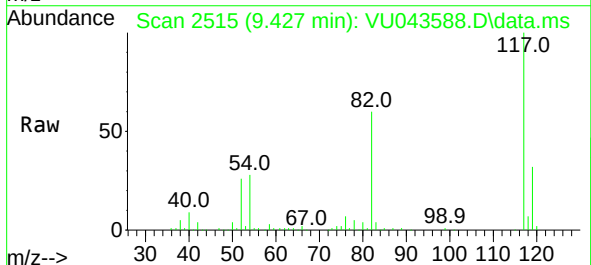
Instrument :
MSVOA_U
ClientSampled :
VIBLK

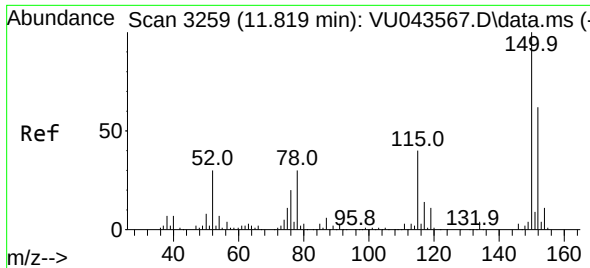
Tgt Ion:117 Resp: 198596
Ion Ratio Lower Upper
117 100
82 61.4 47.5 71.3
119 32.3 24.7 37.1



#67
Ethyl Benzene
Concen: 1.49 ug/l
RT: 9.427 min Scan# 2515
Delta R.T. -0.151 min
Lab File: VU043588.D
Acq: 06 May 2021 17:09

Tgt Ion: 91 Resp: 333
Ion Ratio Lower Upper
91 100
106 0.0 24.0 36.0#

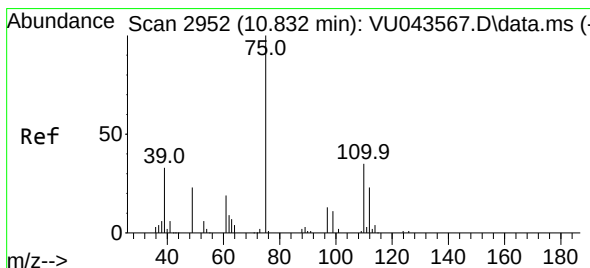
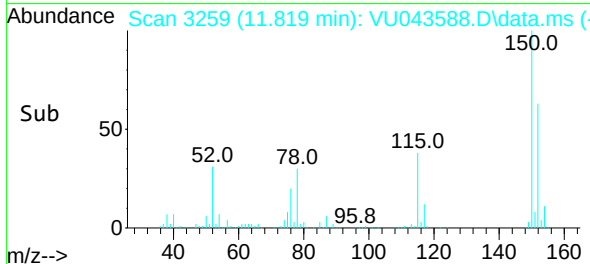
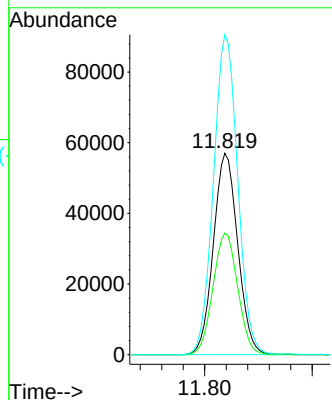
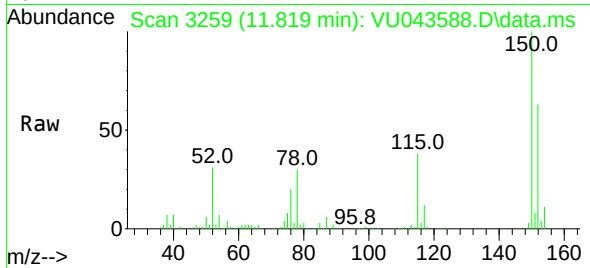




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. 0.000 min
 Lab File: VU043588.D
 Acq: 06 May 2021 17:09

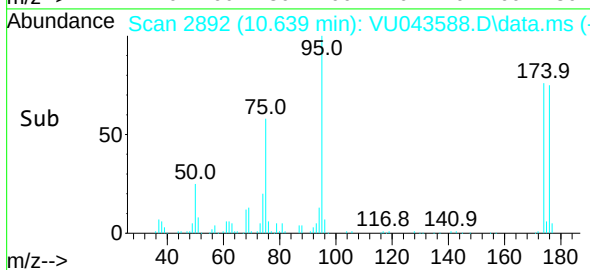
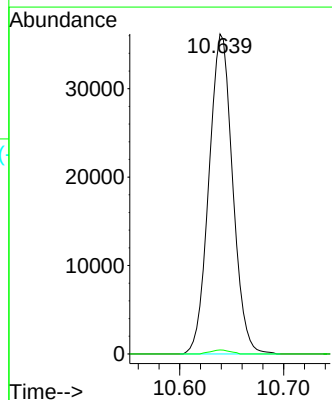
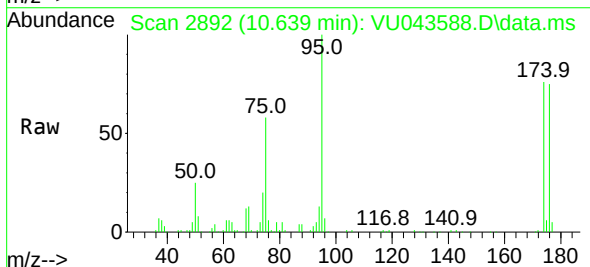
Instrument :
 MSVOA_U
 ClientSampled :
 VIBLK

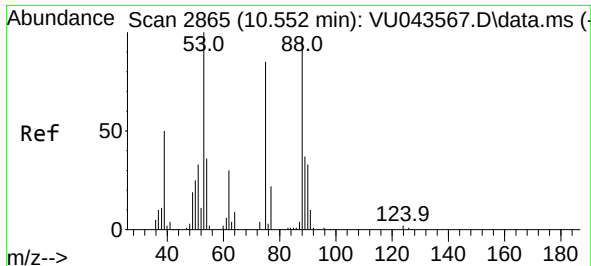
Tgt Ion:152 Resp: 89883
 Ion Ratio Lower Upper
 152 100
 115 61.0 46.1 138.3
 150 157.8 0.0 361.0



#76
 1,2,3-Trichloropropane
 Concen: 20.05 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.193 min
 Lab File: VU043588.D
 Acq: 06 May 2021 17:09

Tgt Ion: 75 Resp: 57312
 Ion Ratio Lower Upper
 75 100
 77 1.1 17.1 51.3#

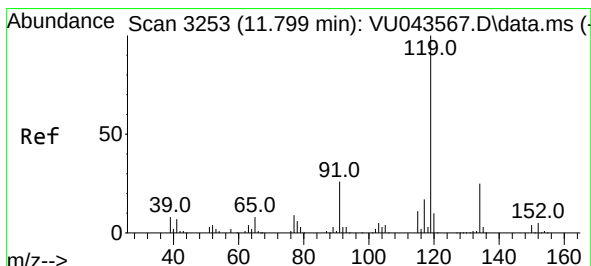
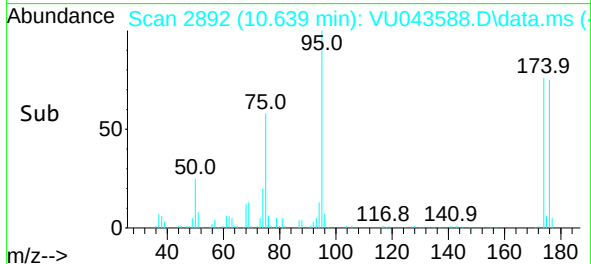
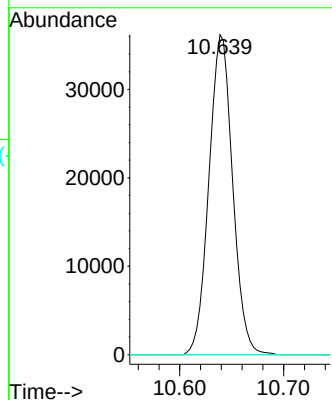
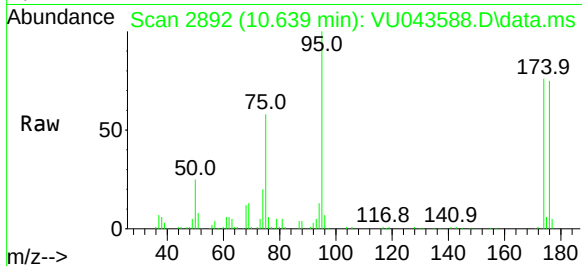




#81
trans-1,4-Dichloro-2-butene
Concen: 65.31 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU043588.D
Acq: 06 May 2021 17:09

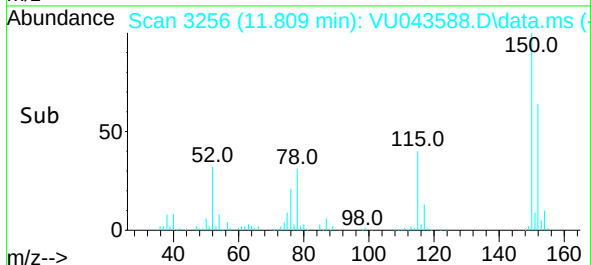
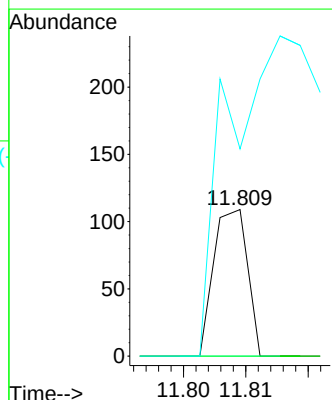
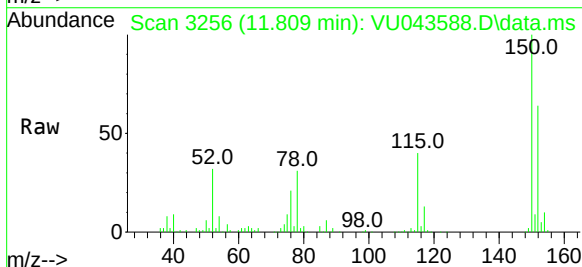
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

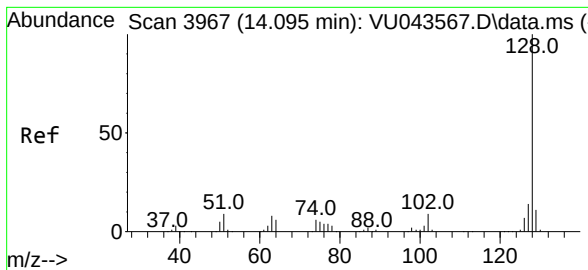
Tgt Ion: 75 Resp: 57312
Ion Ratio Lower Upper
75 100
53 0.0 95.8 143.8#
89 0.0 36.1 54.1#



#86
p-Isopropyltoluene
Concen: 1.48 ug/l
RT: 11.809 min Scan# 3256
Delta R.T. 0.010 min
Lab File: VU043588.D
Acq: 06 May 2021 17:09

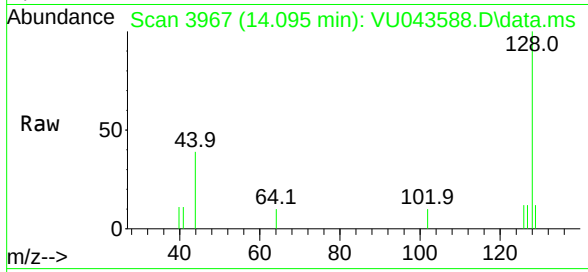
Tgt Ion: 119 Resp: 41
Ion Ratio Lower Upper
119 100
134 0.0 12.7 38.0#
91 792.7 13.3 39.9#





#95
 Naphthalene
 Concen: 1.75 ug/l
 RT: 14.095 min Scan# 3967
 Delta R.T. 0.000 min
 Lab File: VU043588.D
 Acq: 06 May 2021 17:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK



Tgt Ion:	128	Resp:	1814
Ion	Ratio	Lower	Upper
128	100		
127	6.6	10.7	16.1#
129	4.0	8.6	12.8#

