

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041621\
 Data File : VU043161.D
 Acq On : 16 Apr 2021 12:26
 Operator : SY/MD
 Sample : M2026-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FB-1

Quant Time: Apr 17 02:29:58 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)

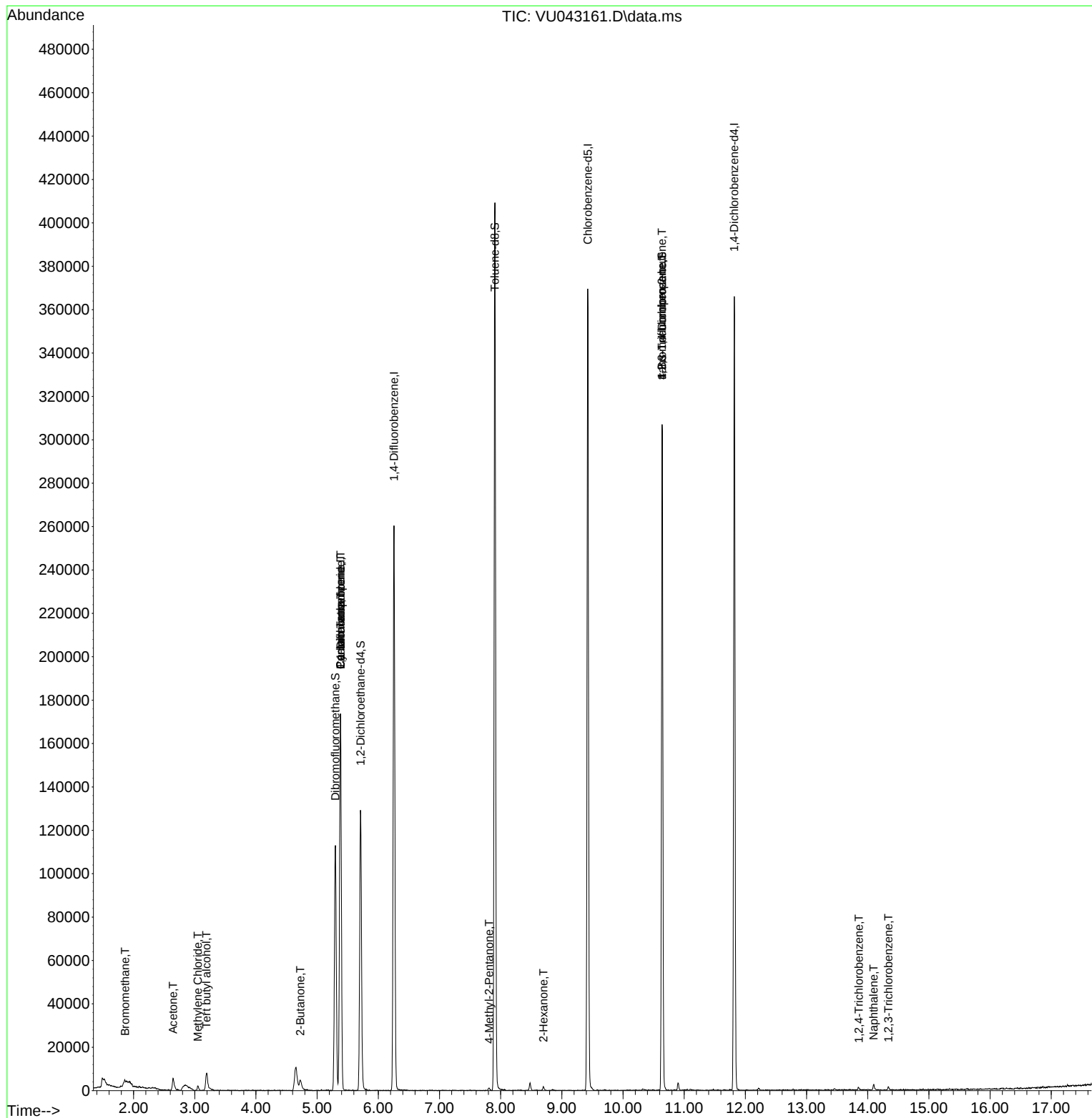
Internal Standards						
1) Pentafluorobenzene	5.382	168	117774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	196599	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	186864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	88190	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	101204	51.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.24%	
35) Dibromofluoromethane	5.298	113	69675	47.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.32%	
50) Toluene-d8	7.906	98	244884	46.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.70%	
62) 4-Bromofluorobenzene	10.639	95	88093	42.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.16%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	287	Below Cal		89
5) Bromomethane	1.861	94	276	0.38 ug/l		96
11) Tert butyl alcohol	3.192	59	5864	11.49 ug/l #		94
16) Acetone	2.646	43	8596	7.08 ug/l		98
20) Methylene Chloride	3.047	84	844	0.60 ug/l #		72
25) 2-Butanone	4.726	43	8016	4.46 ug/l		94
31) Cyclohexane	5.382	56	2959	1.21 ug/l #		1
36) 1,1-Dichloropropene	5.382	75	10034	4.81 ug/l #		49
38) Carbon Tetrachloride	5.382	117	12137	5.43 ug/l #		17
51) 4-Methyl-2-Pentanone	7.813	43	1016	0.27 ug/l #		73
59) 2-Hexanone	8.700	43	1409	0.45 ug/l		81
76) 1,2,3-Trichloropropane	10.639	75	51774	20.09 ug/l #		37
81) trans-1,4-Dichloro-2-b...	10.639	75	51774	59.03 ug/l #		7
93) 1,2,4-Trichlorobenzene	13.854	180	604	1.80 ug/l		89
94) Hexachlorobutadiene	14.037	225	47	Below Cal #		18
95) Naphthalene	14.098	128	2676	3.14 ug/l #		85
96) 1,2,3-Trichlorobenzene	14.340	180	684	1.80 ug/l #		81

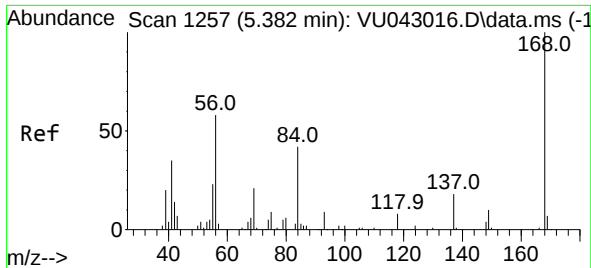
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U041221W.M
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Response via : Initial Calibration

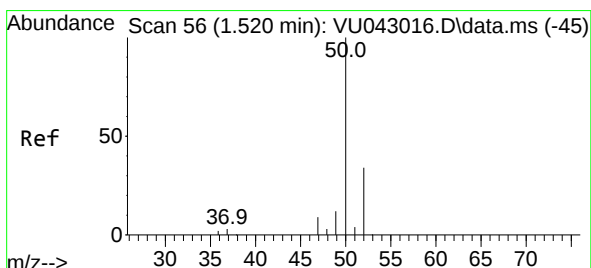
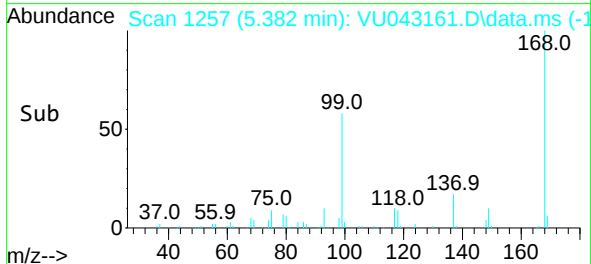
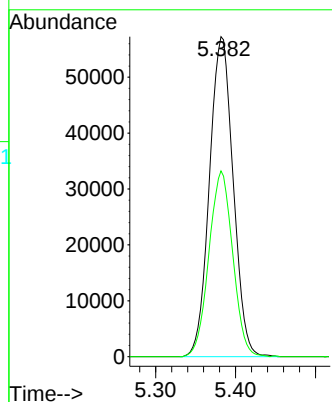
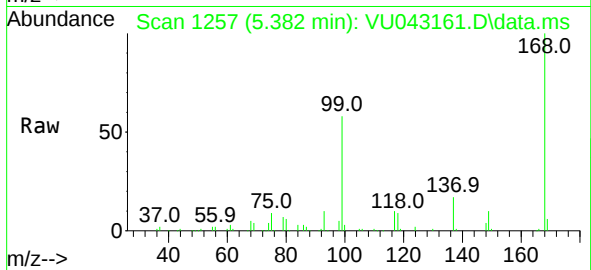




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043161.D
Acq: 16 Apr 2021 12:26

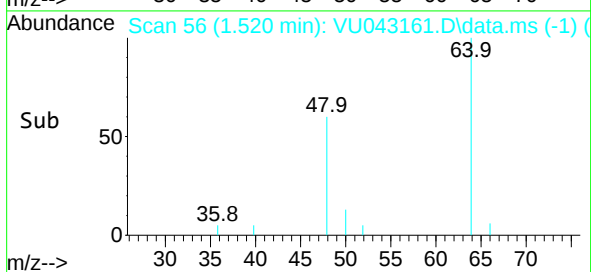
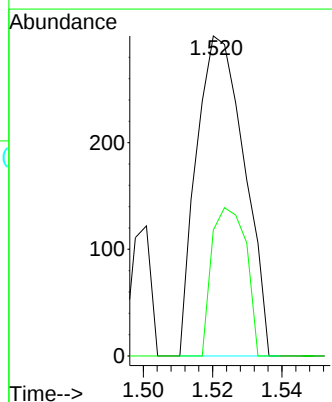
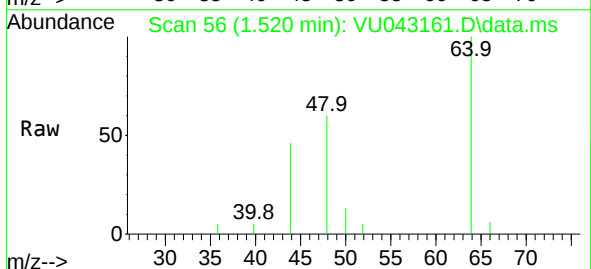
Instrument :
MSVOA_U
ClientSampled :
FB-1

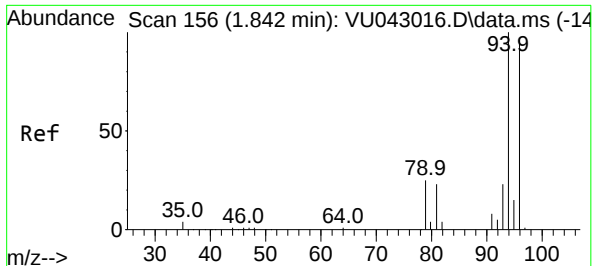
Tgt Ion:168 Resp: 117774
Ion Ratio Lower Upper
168 100
99 58.1 45.0 67.4



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU043161.D
Acq: 16 Apr 2021 12:26

Tgt Ion: 50 Resp: 287
Ion Ratio Lower Upper
50 100
52 39.3 26.6 40.0

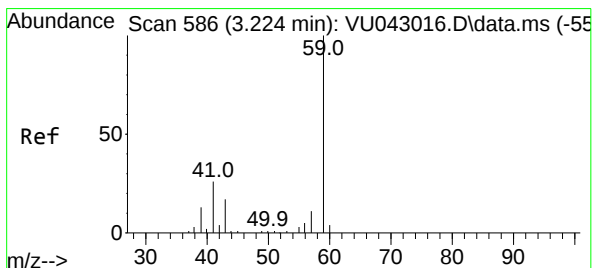
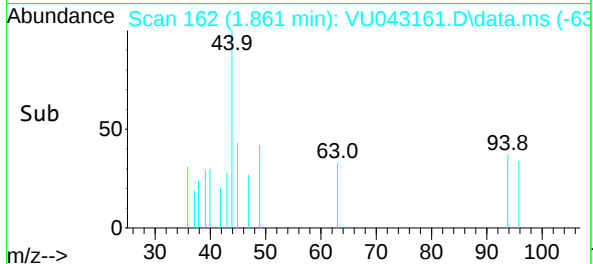
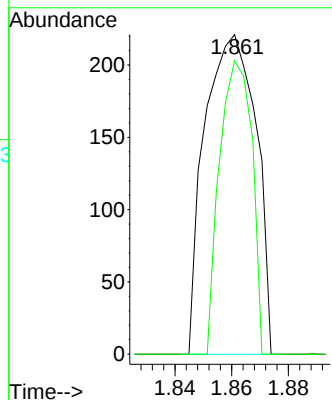
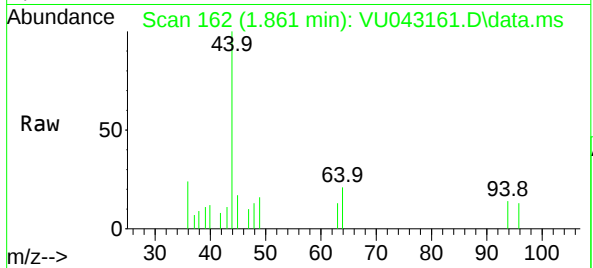




#5
Bromomethane
Concen: 0.38 ug/l
RT: 1.861 min Scan# 162
Delta R.T. 0.019 min
Lab File: VU043161.D
Acq: 16 Apr 2021 12:26

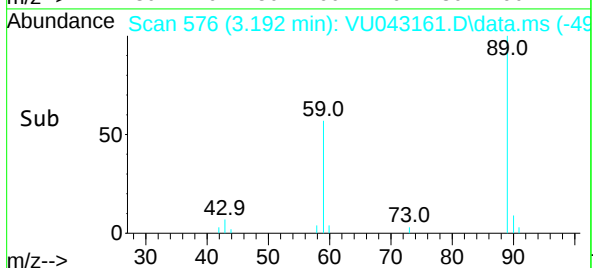
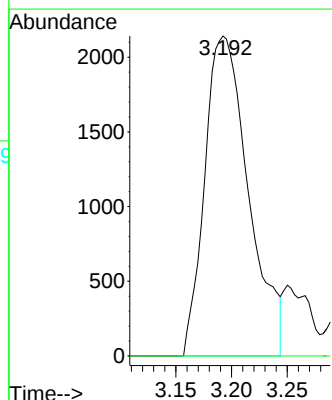
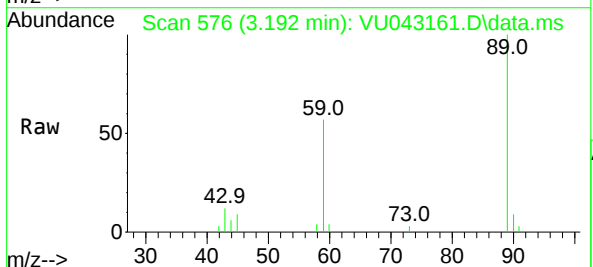
Instrument :
MSVOA_U
ClientSampled :
FB-1

Tgt Ion: 94 Resp: 276
Ion Ratio Lower Upper
94 100
96 91.9 76.6 115.0



#11
Tert butyl alcohol
Concen: 11.49 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.032 min
Lab File: VU043161.D
Acq: 16 Apr 2021 12:26

Tgt Ion: 59 Resp: 5864
Ion Ratio Lower Upper
59 100
57 0.0 1.6 2.4#

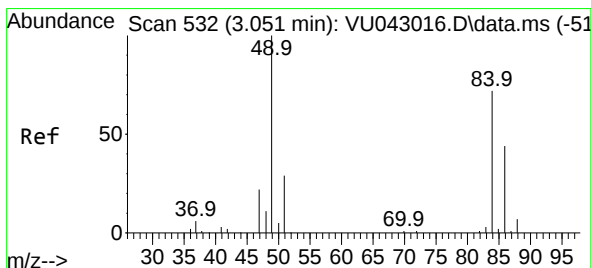
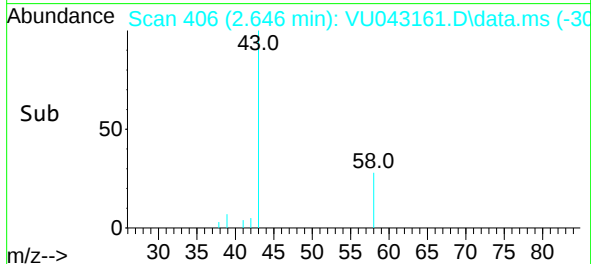
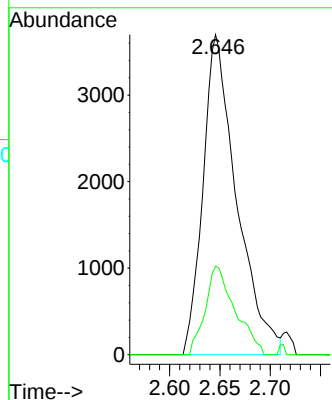
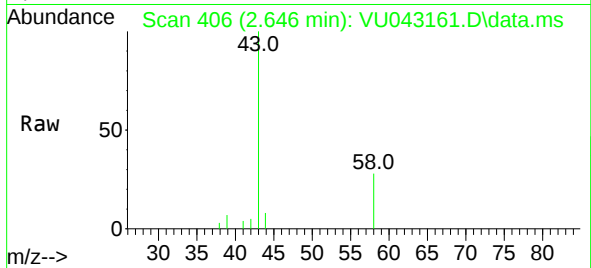




#16
Acetone
Concen: 7.08 ug/l
RT: 2.646 min Scan# 406
Delta R.T. 0.017 min
Lab File: VU043161.D
Acq: 16 Apr 2021 12:26

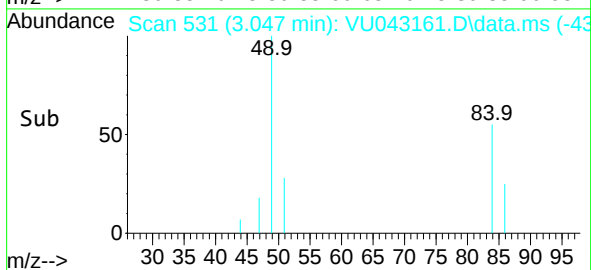
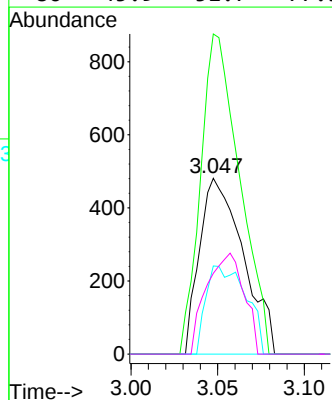
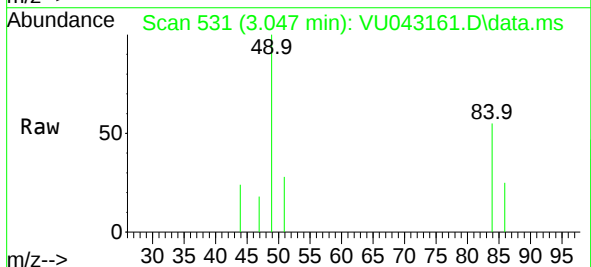
Instrument :
MSVOA_U
ClientSampled :
FB-1

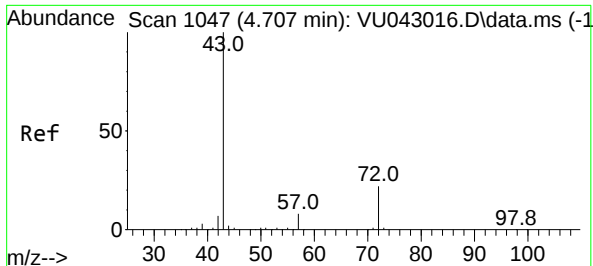
Tgt Ion: 43 Resp: 8596
Ion Ratio Lower Upper
43 100
58 27.7 21.5 32.3



#20
Methylene Chloride
Concen: 0.60 ug/l
RT: 3.047 min Scan# 531
Delta R.T. -0.004 min
Lab File: VU043161.D
Acq: 16 Apr 2021 12:26

Tgt Ion: 84 Resp: 844
Ion Ratio Lower Upper
84 100
49 182.1 112.6 169.0#
51 50.1 33.7 50.5
86 45.9 51.7 77.5#





#25

2-Butanone

Concen: 4.46 ug/l

RT: 4.726 min Scan# 1053

Delta R.T. 0.019 min

Lab File: VU043161.D

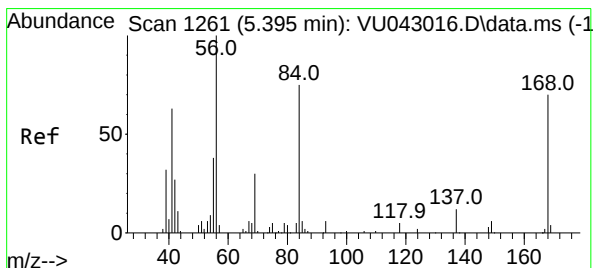
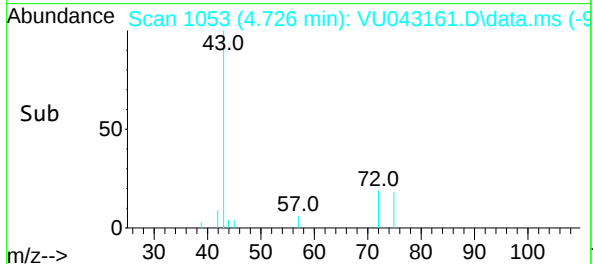
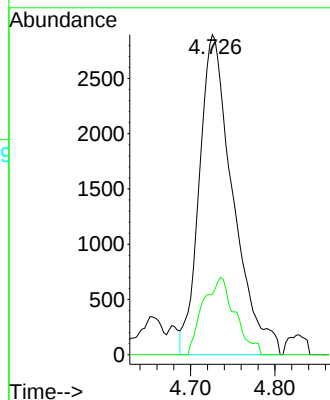
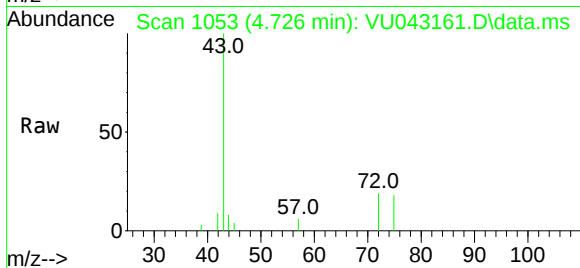
Acq: 16 Apr 2021 12:26

Tgt Ion: 43 Resp: 8016

Ion Ratio Lower Upper

43 100

72 18.9 17.4 26.0



#31

Cyclohexane

Concen: 1.21 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.013 min

Lab File: VU043161.D

Acq: 16 Apr 2021 12:26

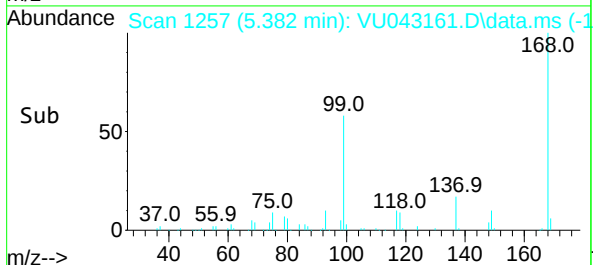
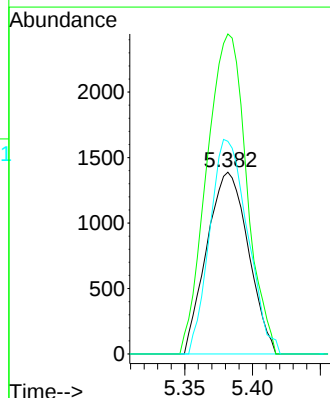
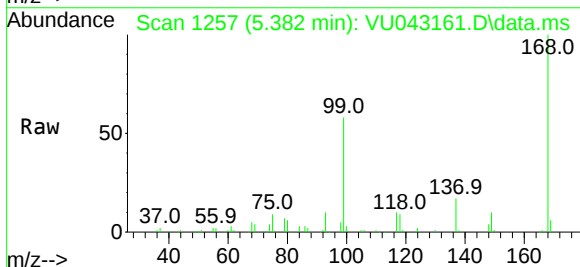
Tgt Ion: 56 Resp: 2959

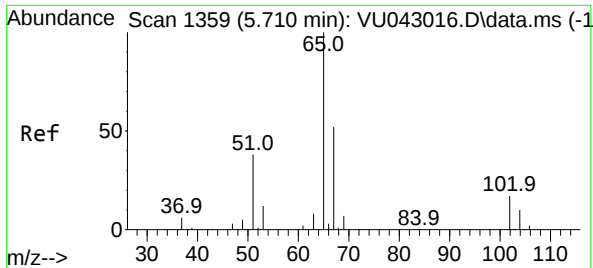
Ion Ratio Lower Upper

56 100

69 176.1 24.9 37.3#

84 117.0 63.7 95.5#





#33

1,2-Dichloroethane-d4

Concen: 51.12 ug/l

RT: 5.710 min Scan# 1359

Delta R.T. -0.000 min

Lab File: VU043161.D

Acq: 16 Apr 2021 12:26

Tgt Ion: 65 Resp: 101204

Ion Ratio Lower Upper

65 100

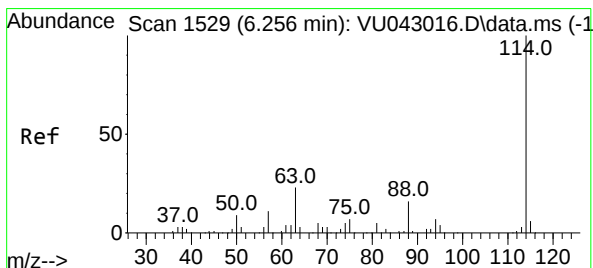
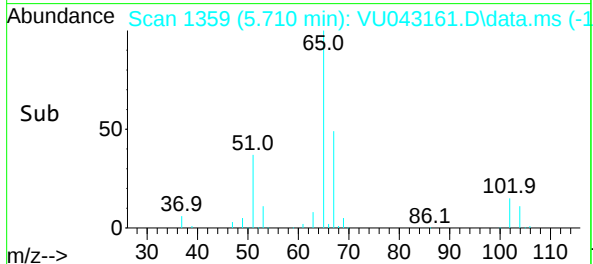
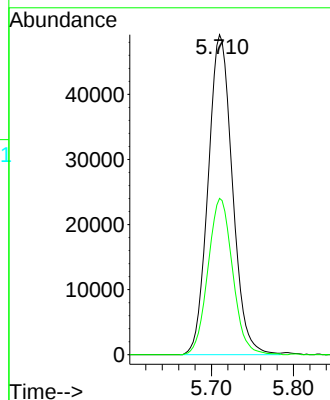
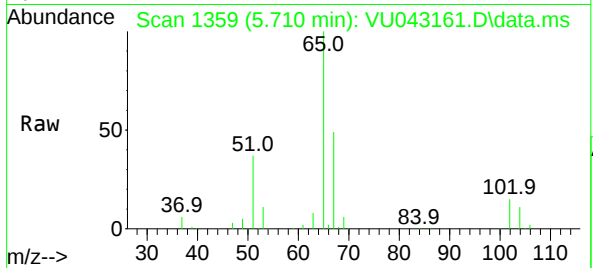
67 49.5 0.0 99.8

Instrument :

MSVOA_U

ClientSampled :

FB-1



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. 0.000 min

Lab File: VU043161.D

Acq: 16 Apr 2021 12:26

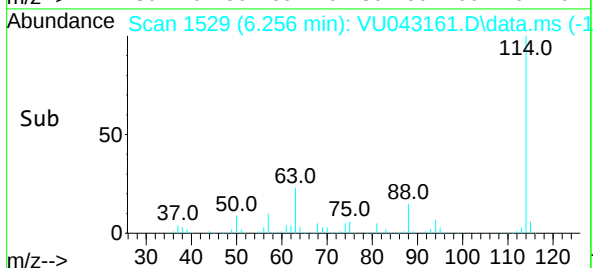
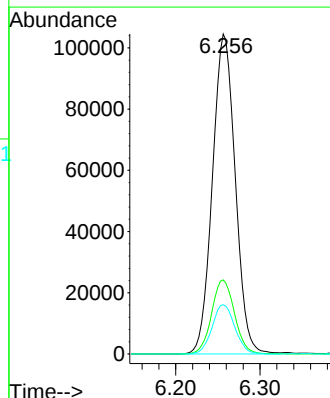
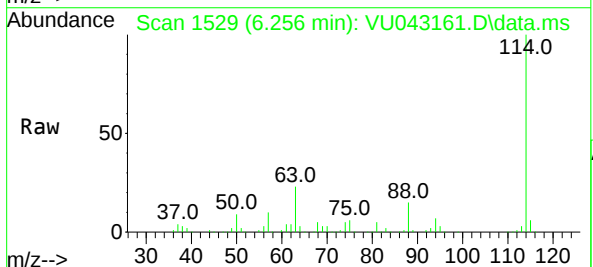
Tgt Ion: 114 Resp: 196599

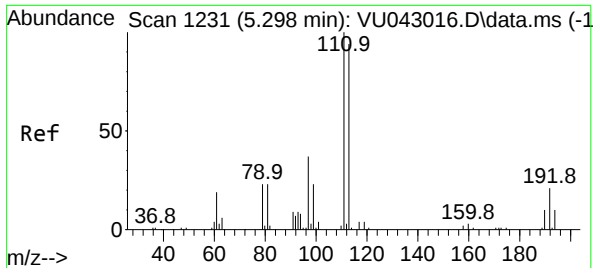
Ion Ratio Lower Upper

114 100

63 23.2 0.0 44.2

88 15.4 0.0 33.4

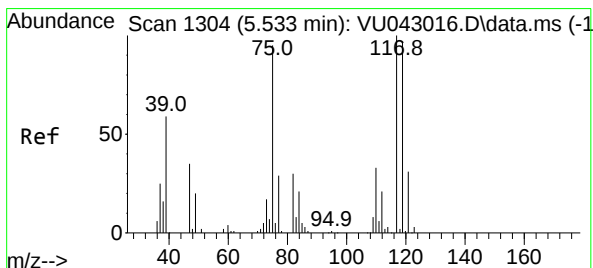
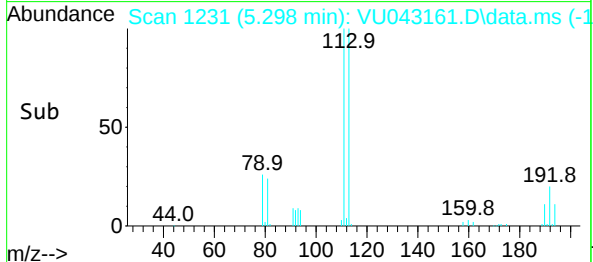
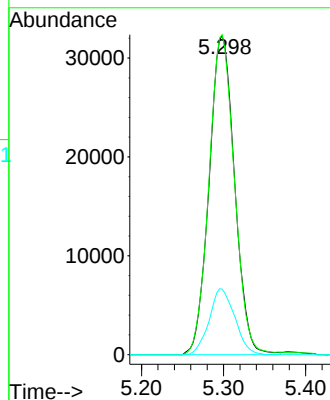
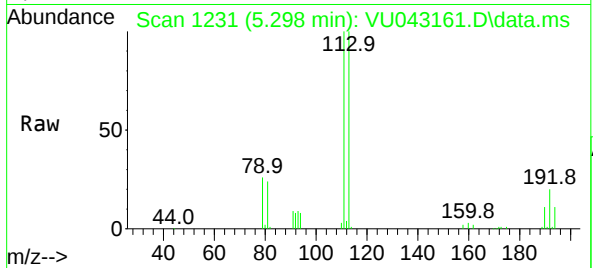




#35
Dibromofluoromethane
Concen: 47.16 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043161.D
Acq: 16 Apr 2021 12:26

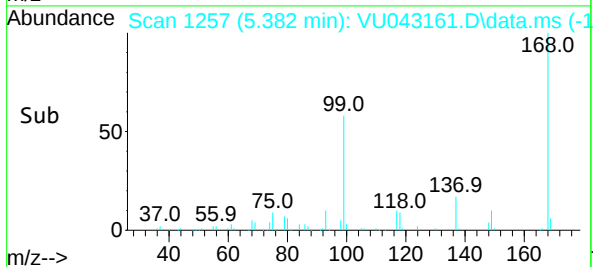
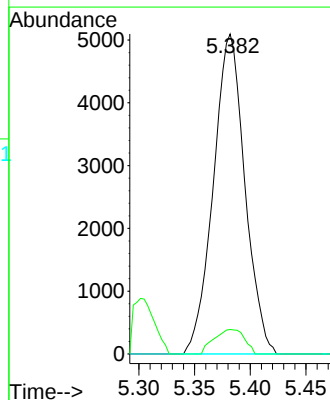
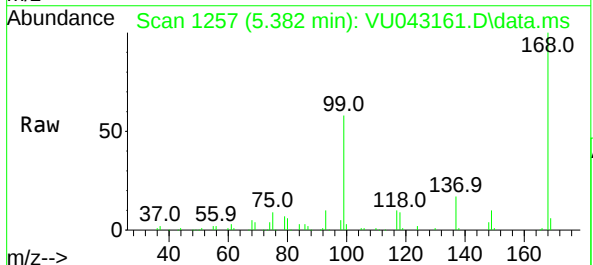
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ClientSampled :
FB-1

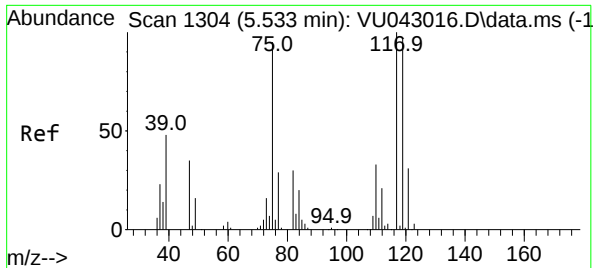
Tgt Ion:113 Resp: 69675
Ion Ratio Lower Upper
113 100
111 99.7 81.8 122.8
192 20.8 17.2 25.8



#36
1,1-Dichloropropene
Concen: 4.81 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043161.D
Acq: 16 Apr 2021 12:26

Tgt Ion: 75 Resp: 10034
Ion Ratio Lower Upper
75 100
110 7.3 16.8 50.3#
77 0.0 24.8 37.2#

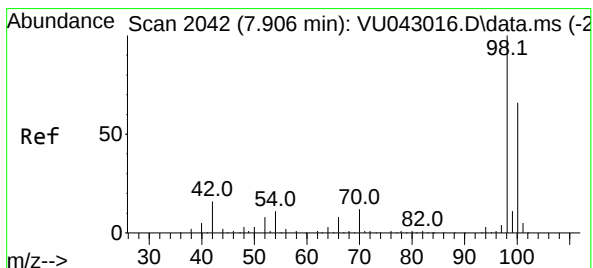
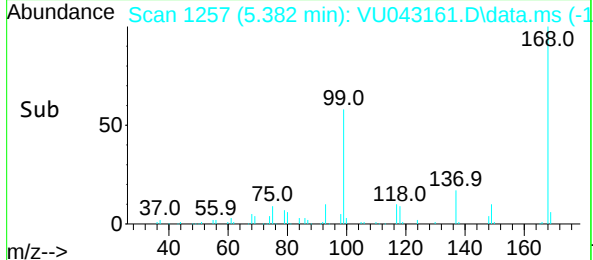
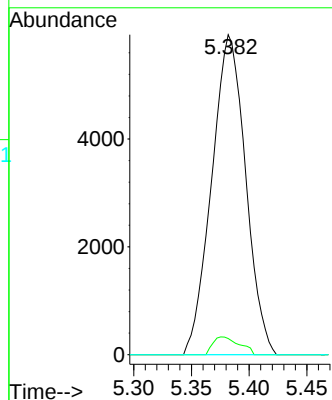
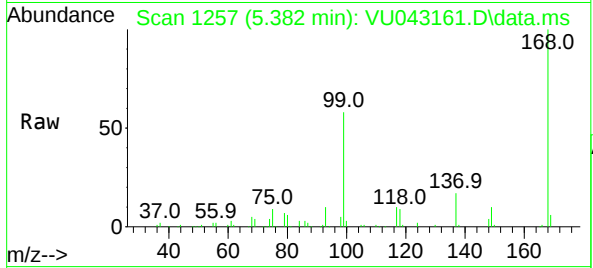




#38
Carbon Tetrachloride
Concen: 5.43 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043161.D
Acq: 16 Apr 2021 12:26

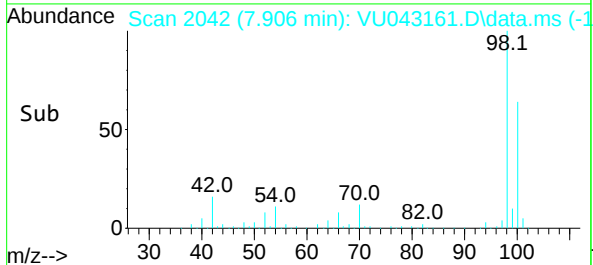
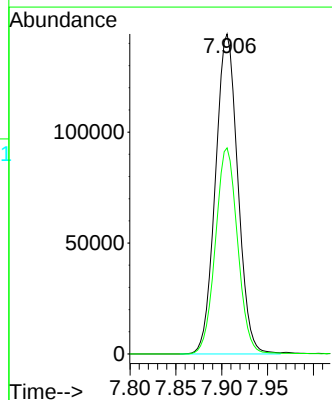
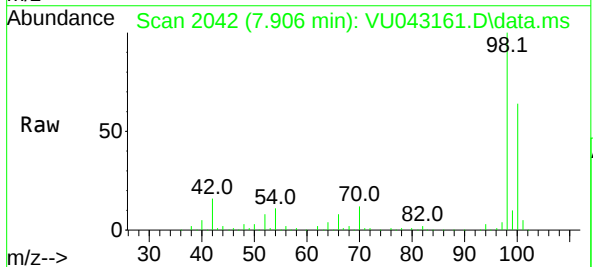
Instrument :
MSVOA_U
ClientSampled :
FB-1

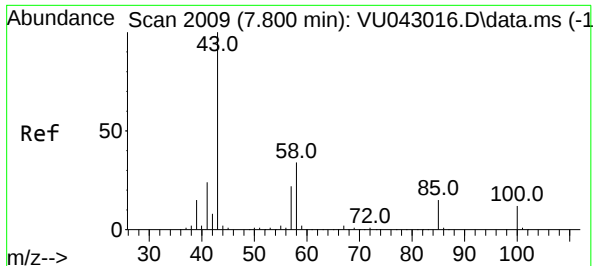
Tgt Ion:117 Resp: 12137
Ion Ratio Lower Upper
117 100
119 5.1 75.5 113.3#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 46.85 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043161.D
Acq: 16 Apr 2021 12:26

Tgt Ion: 98 Resp: 244884
Ion Ratio Lower Upper
98 100
100 63.9 50.2 75.2

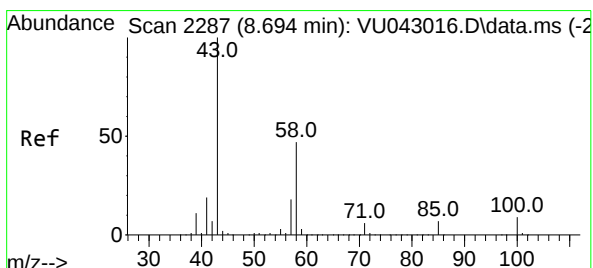
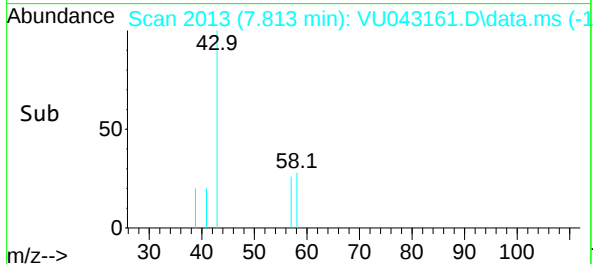
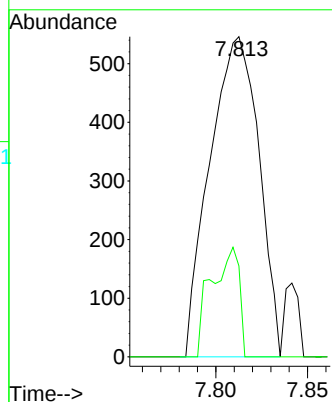
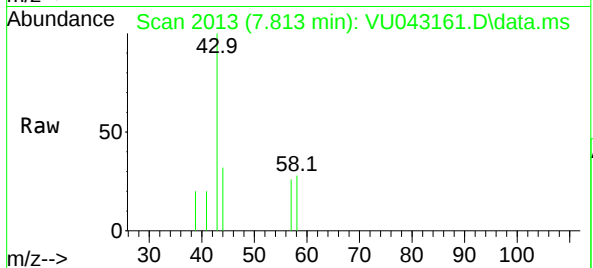




#51
4-Methyl-2-Pentanone
Concen: 0.27 ug/l
RT: 7.813 min Scan# 2013
Delta R.T. 0.013 min
Lab File: VU043161.D
Acq: 16 Apr 2021 12:26

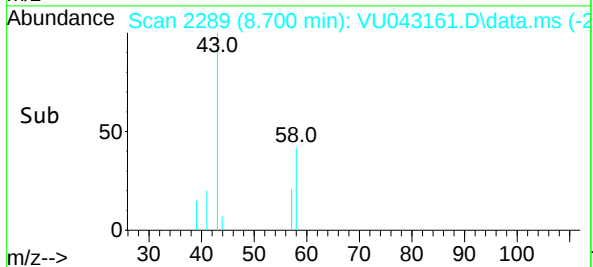
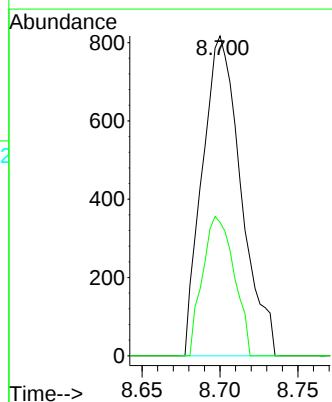
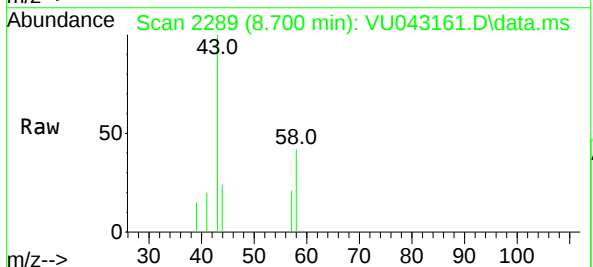
Instrument :
MSVOA_U
ClientSampled :
FB-1

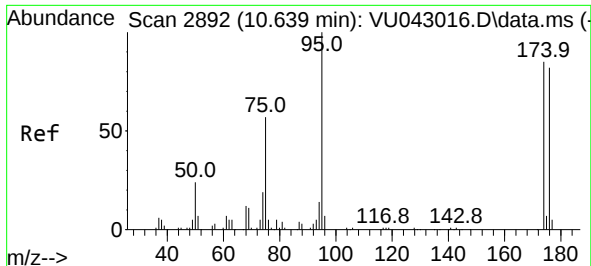
Tgt Ion: 43 Resp: 1016
Ion Ratio Lower Upper
43 100
58 19.4 28.1 42.1#



#59
2-Hexanone
Concen: 0.45 ug/l
RT: 8.700 min Scan# 2289
Delta R.T. 0.006 min
Lab File: VU043161.D
Acq: 16 Apr 2021 12:26

Tgt Ion: 43 Resp: 1409
Ion Ratio Lower Upper
43 100
58 35.5 24.0 72.0

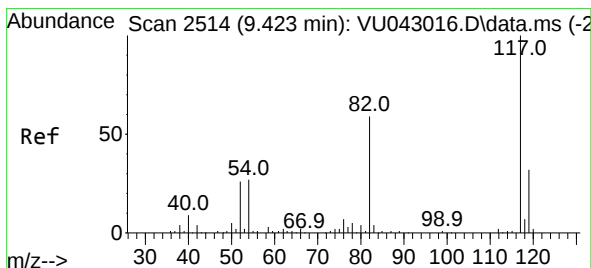
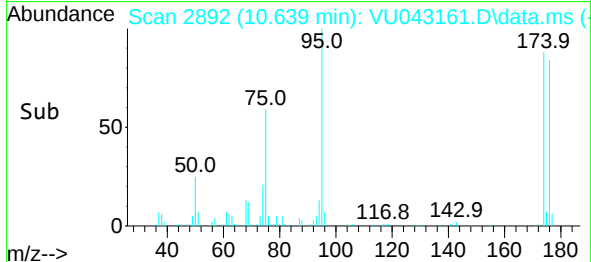
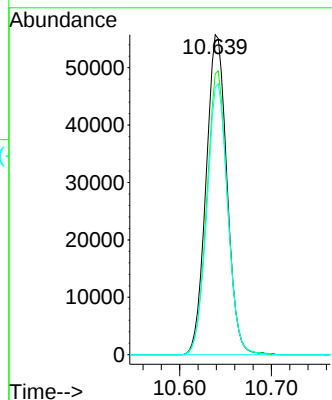
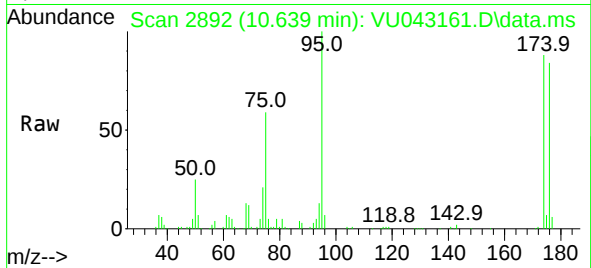




#62
4-Bromofluorobenzene
Concen: 42.08 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043161.D
Acq: 16 Apr 2021 12:26

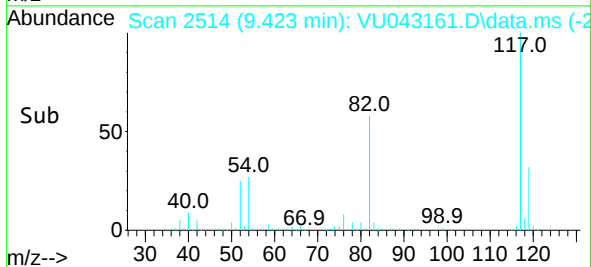
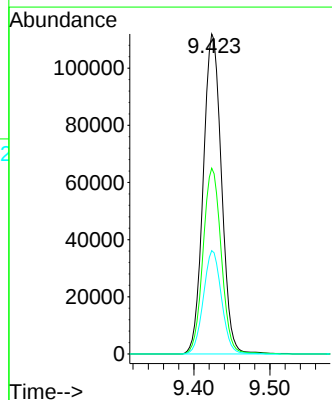
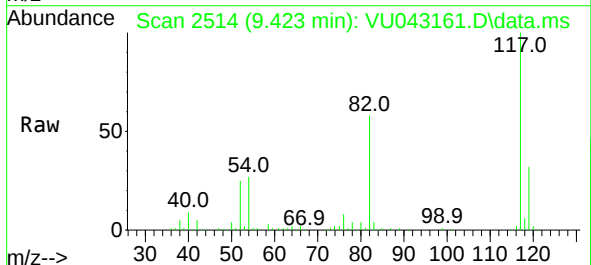
Instrument :
MSVOA_U
ClientSampleId :
FB-1

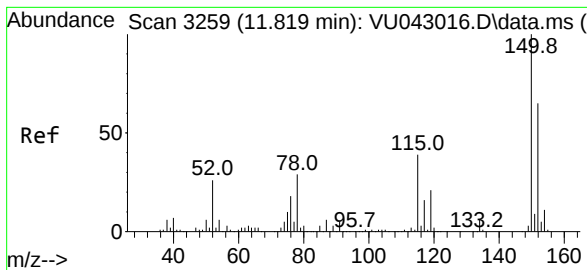
Tgt Ion: 95 Resp: 88093
Ion Ratio Lower Upper
95 100
174 87.9 0.0 172.2
176 84.7 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043161.D
Acq: 16 Apr 2021 12:26

Tgt Ion: 117 Resp: 186864
Ion Ratio Lower Upper
117 100
82 58.1 45.8 68.6
119 32.3 25.8 38.8

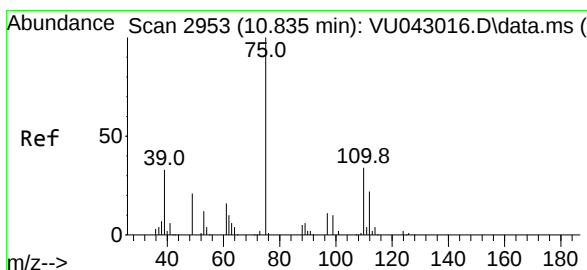
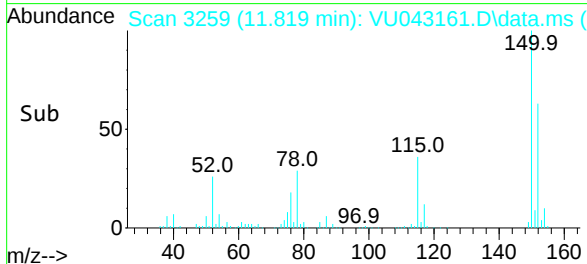
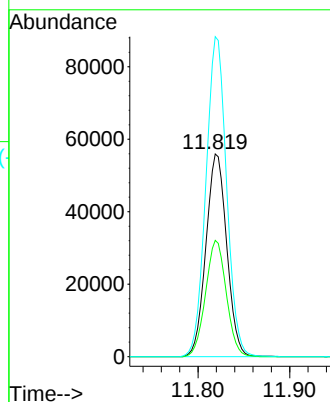
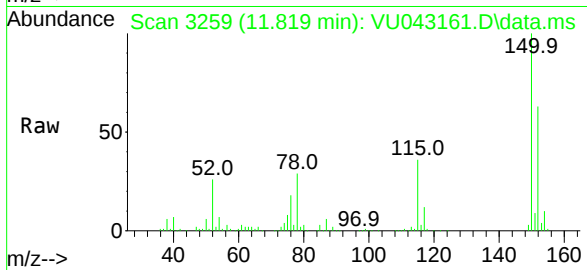




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU043161.D
 Acq: 16 Apr 2021 12:26

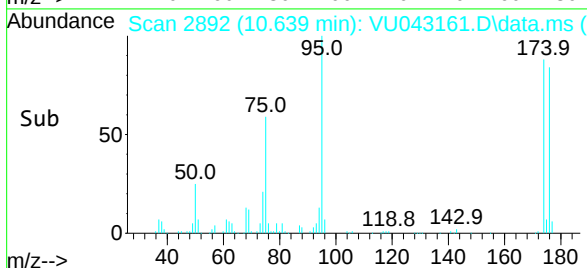
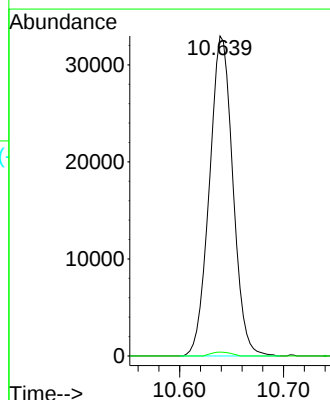
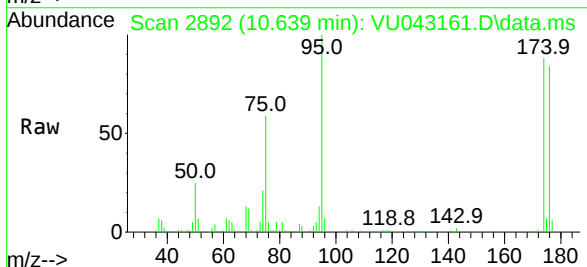
Instrument :
 MSVOA_U
 ClientSampled :
 FB-1

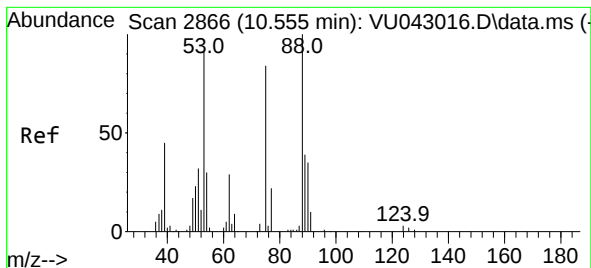
Tgt Ion:152 Resp: 88190
 Ion Ratio Lower Upper
 152 100
 115 57.1 41.5 124.6
 150 156.5 0.0 342.4



#76
 1,2,3-Trichloropropane
 Concen: 20.09 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.196 min
 Lab File: VU043161.D
 Acq: 16 Apr 2021 12:26

Tgt Ion: 75 Resp: 51774
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.2 60.5#

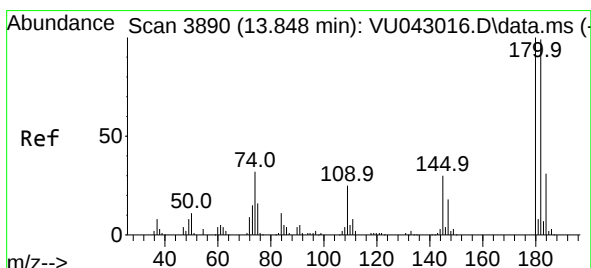
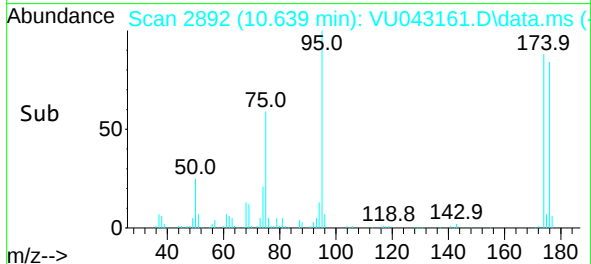
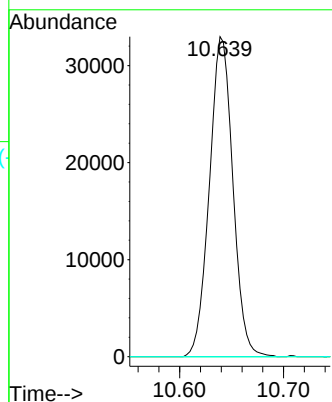
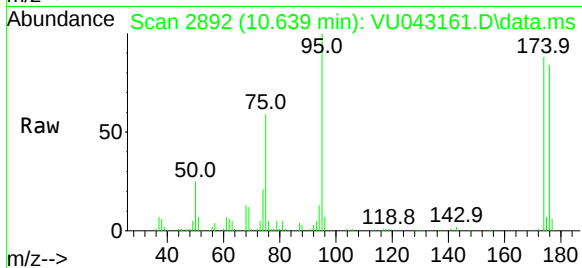




#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.03 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. 0.084 min
 Lab File: VU043161.D
 Acq: 16 Apr 2021 12:26

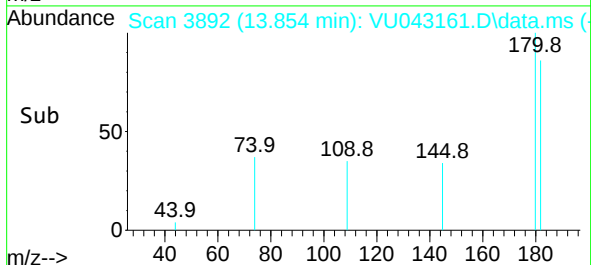
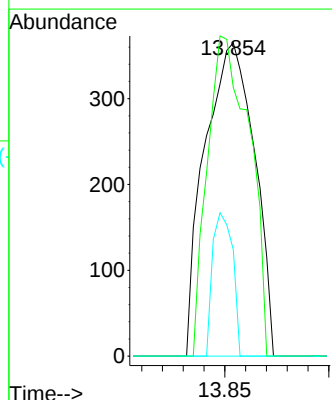
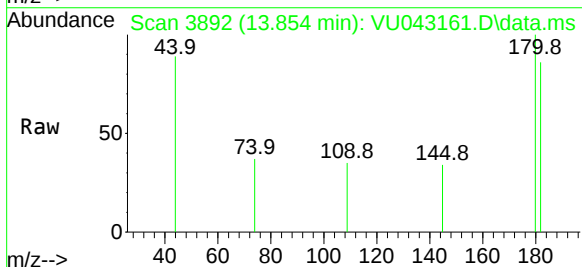
Instrument :
 MSVOA_U
 ClientSampled :
 FB-1

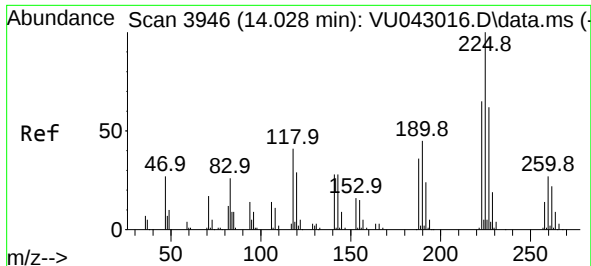
Tgt Ion: 75 Resp: 51774
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.6 128.4#
 89 0.0 35.7 53.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.80 ug/l
 RT: 13.854 min Scan# 3892
 Delta R.T. 0.006 min
 Lab File: VU043161.D
 Acq: 16 Apr 2021 12:26

Tgt Ion: 180 Resp: 604
 Ion Ratio Lower Upper
 180 100
 182 86.3 46.9 140.8
 145 18.5 14.4 43.4

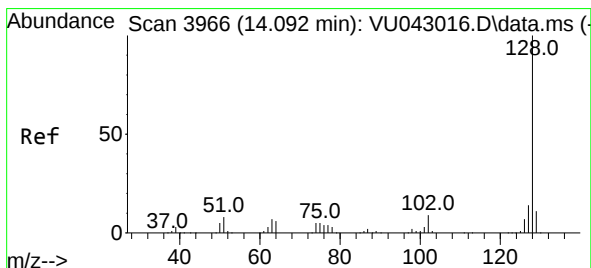
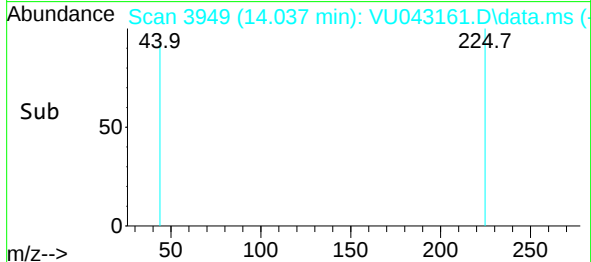
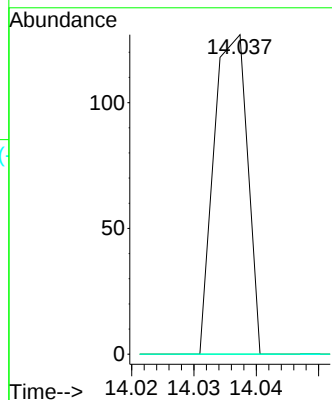
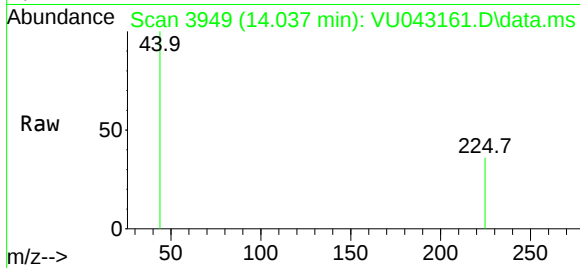




#94
Hexachlorobutadiene
Concen: Below Cal
RT: 14.037 min Scan# 3949
Delta R.T. 0.009 min
Lab File: VU043161.D
Acq: 16 Apr 2021 12:26

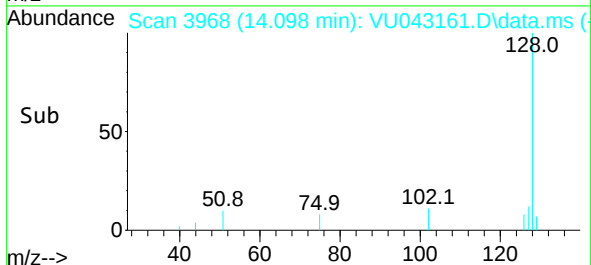
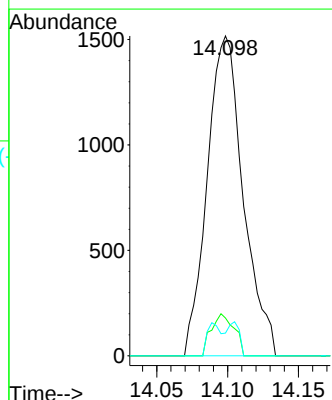
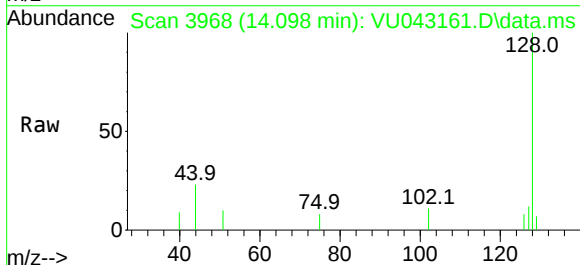
Instrument :
MSVOA_U
ClientSampled :
FB-1

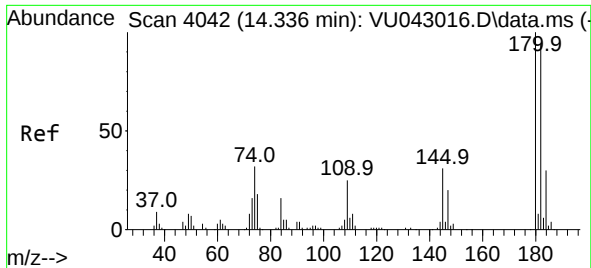
Tgt Ion:225 Resp: 47
Ion Ratio Lower Upper
225 100
223 0.0 32.3 96.9#
227 0.0 31.8 95.4#



#95
Naphthalene
Concen: 3.14 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.006 min
Lab File: VU043161.D
Acq: 16 Apr 2021 12:26

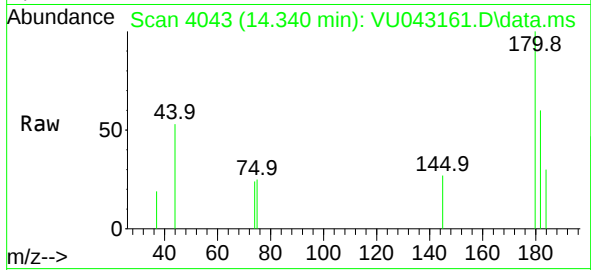
Tgt Ion:128 Resp: 2676
Ion Ratio Lower Upper
128 100
127 8.4 10.8 16.2#
129 3.7 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.80 ug/l
 RT: 14.340 min Scan# 4043
 Delta R.T. 0.004 min
 Lab File: VU043161.D
 Acq: 16 Apr 2021 12:26

Instrument :
 MSVOA_U
 ClientSampleId :
 FB-1



Tgt Ion:180 Resp: 684
 Ion Ratio Lower Upper
 180 100
 182 82.6 48.0 144.0
 145 11.1 15.5 46.5#

