

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041621\
 Data File : VU043165.D
 Acq On : 16 Apr 2021 13:56
 Operator : SY/MD
 Sample : M2061-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

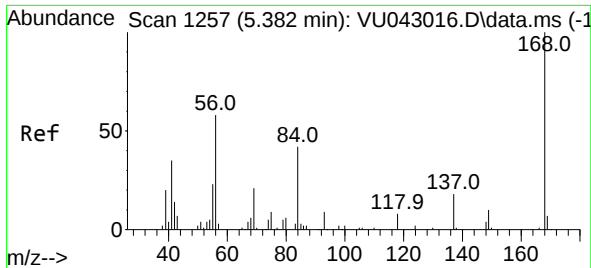
Instrument :
 MSVOA_U
 ClientSampleId :
 GWBR3-225-250-041521

Quant Time: Apr 17 02:31:06 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	109320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	181653	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.427	117	174049	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	83231	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	93774	51.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.06%	
35) Dibromofluoromethane	5.298	113	64651	47.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.72%	
50) Toluene-d8	7.906	98	228051	47.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.44%	
62) 4-Bromofluorobenzene	10.639	95	83581	43.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.42%	
Target Compounds						Qvalue
3) Chloromethane	1.523	50	334	Below Cal	#	41
4) Vinyl Chloride	1.610	62	379	0.31	ug/l #	67
5) Bromomethane	1.864	94	147	0.22	ug/l	83
6) Chloroethane	1.925	64	229	0.23	ug/l #	42
12) 1,1-Dichloroethene	2.584	96	58229	56.90	ug/l	97
16) Acetone	2.645	43	3638	3.06	ug/l	98
20) Methylene Chloride	3.060	84	577	0.44	ug/l #	90
24) 1,1-Dichloroethane	3.880	63	9231	3.84	ug/l	99
25) 2-Butanone	4.726	43	925	0.55	ug/l #	54
27) cis-1,2-Dichloroethene	4.678	96	35063	25.78	ug/l	90
29) Tetrahydrofuran	5.073	42	1180	1.12	ug/l #	73
30) Chloroform	5.102	83	813	0.32	ug/l #	82
31) Cyclohexane	5.382	56	2806	1.24	ug/l #	43
36) 1,1-Dichloropropene	5.382	75	9239	4.79	ug/l #	50
38) Carbon Tetrachloride	5.378	117	11505	5.57	ug/l #	18
41) Methacrylonitrile	5.070	41	413	0.24	ug/l #	52
42) 1,2-Dichloroethane	5.803	62	6963	2.85	ug/l	91
44) Trichloroethene	6.549	130	37154	26.60	ug/l	89
49) 1,4-Dioxane	6.999	88	1836	38.84	ug/l #	94
52) Toluene	7.976	92	70015	20.51	ug/l	100
53) t-1,3-Dichloropropene	7.973	75	960	0.40	ug/l #	1
76) 1,2,3-Trichloropropane	10.639	75	47205	19.41	ug/l #	37
81) trans-1,4-Dichloro-2-b...	10.639	75	47205	57.03	ug/l #	7
95) Naphthalene	14.098	128	221	2.78	ug/l #	69

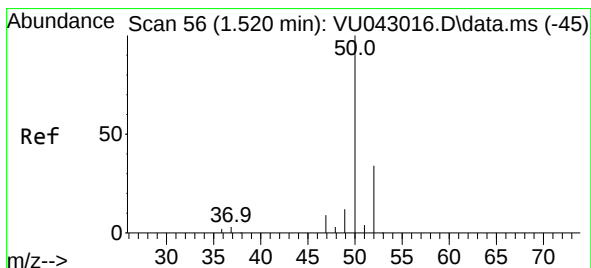
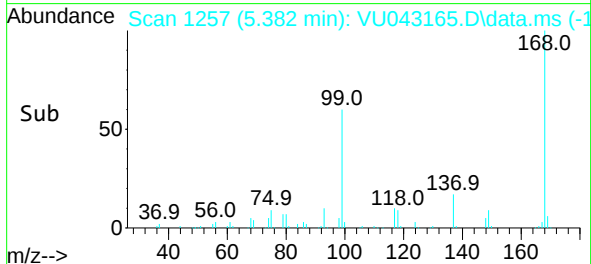
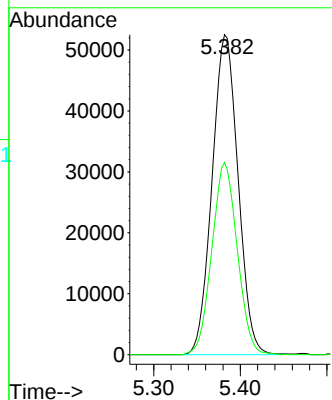
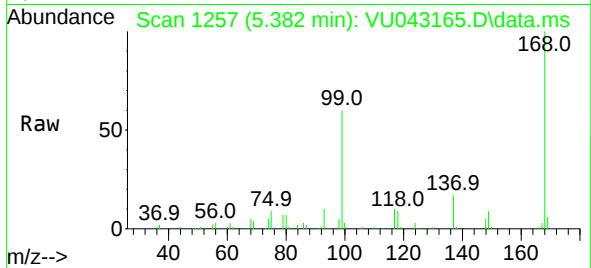
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043165.D
Acq: 16 Apr 2021 13:56

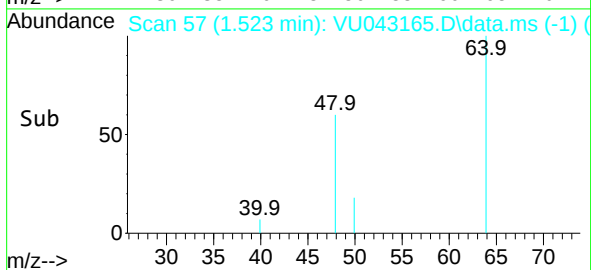
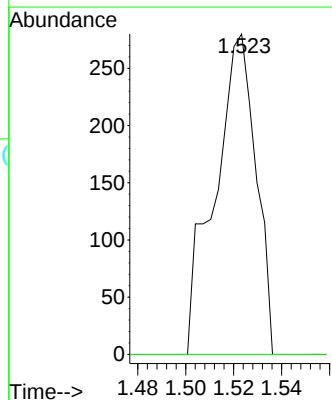
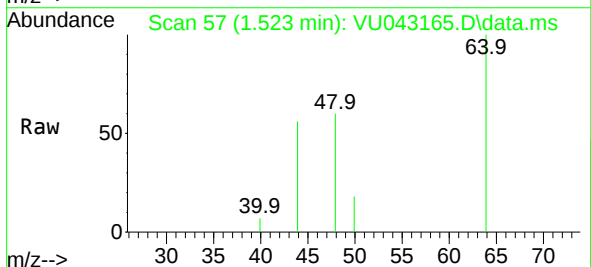
Instrument :
MSVOA_U
ClientSampleId :
GWBR3-225-250-041521

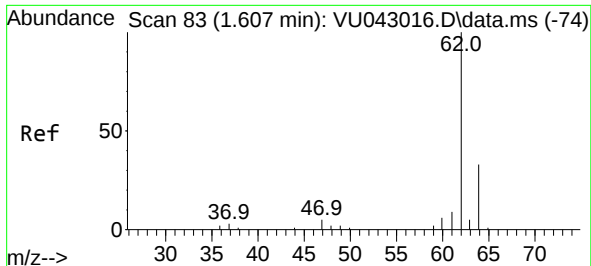
Tgt Ion:168 Resp: 109320
Ion Ratio Lower Upper
168 100
99 60.1 45.0 67.4



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043165.D
Acq: 16 Apr 2021 13:56

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

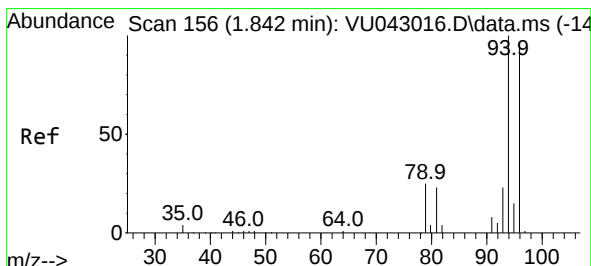
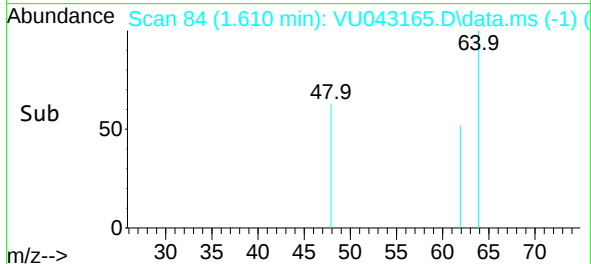
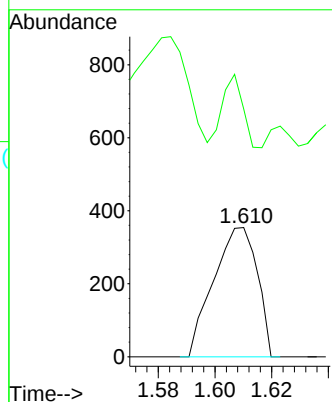
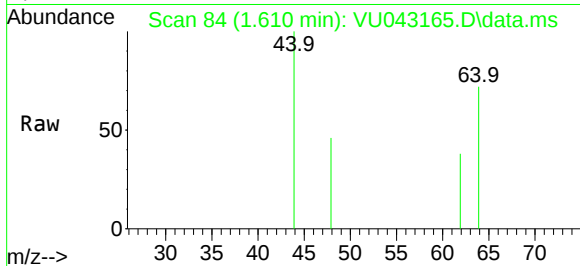




#4
 Vinyl Chloride
 Concen: 0.31 ug/l
 RT: 1.610 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VU043165.D
 Acq: 16 Apr 2021 13:56

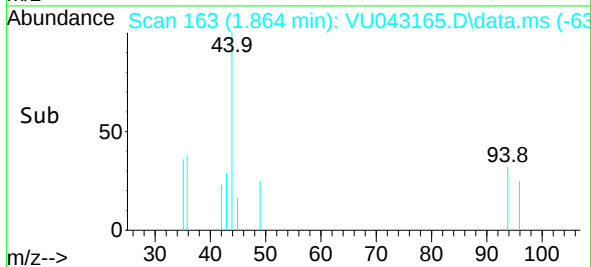
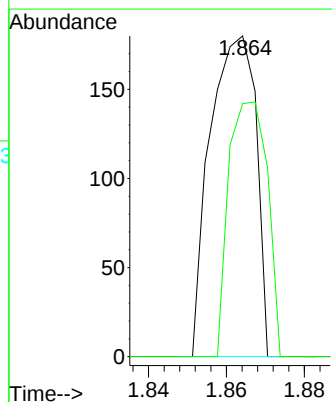
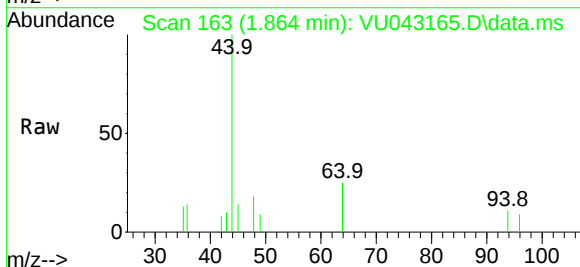
Instrument :
 MSVOA_U
 ClientSampleId :
 GWBR3-225-250-041521

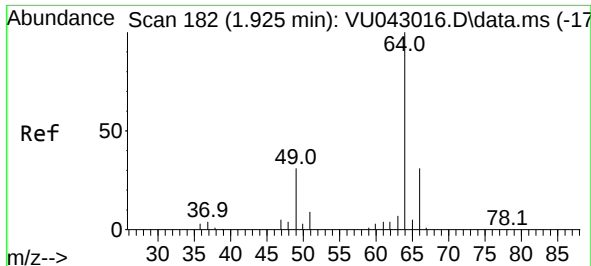
Tgt Ion: 62 Resp: 379
 Ion Ratio Lower Upper
 62 100
 64 13.3 25.2 37.8#



#5
 Bromomethane
 Concen: 0.22 ug/l
 RT: 1.864 min Scan# 163
 Delta R.T. 0.022 min
 Lab File: VU043165.D
 Acq: 16 Apr 2021 13:56

Tgt Ion: 94 Resp: 147
 Ion Ratio Lower Upper
 94 100
 96 78.9 76.6 115.0

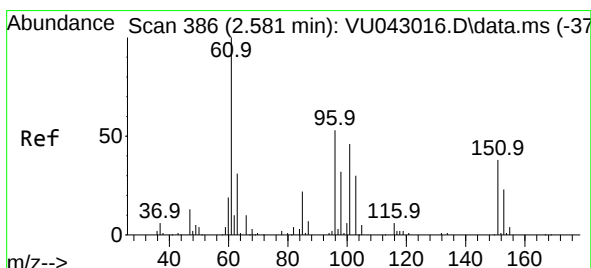
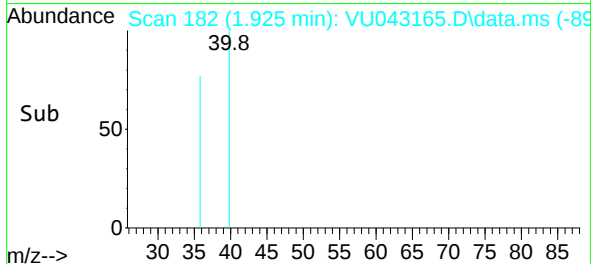
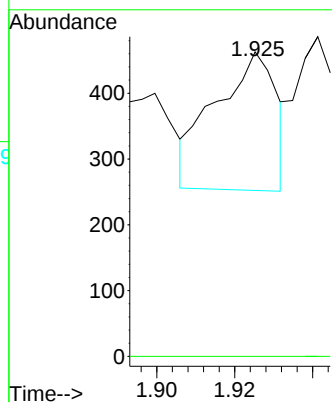
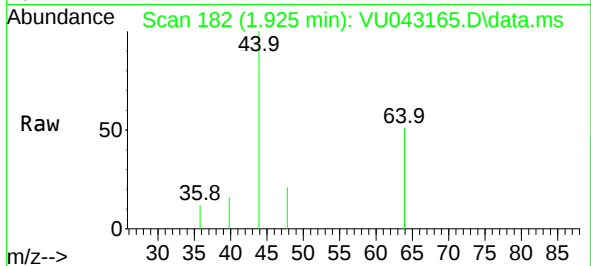




#6
Chloroethane
Concen: 0.23 ug/l
RT: 1.925 min Scan# 182
Delta R.T. 0.000 min
Lab File: VU043165.D
Acq: 16 Apr 2021 13:56

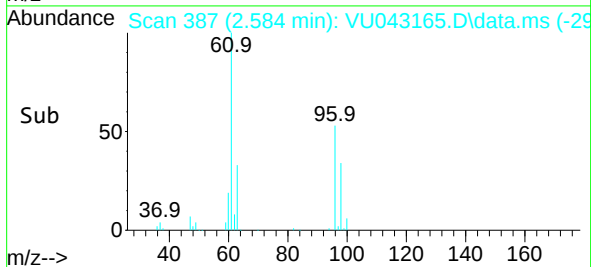
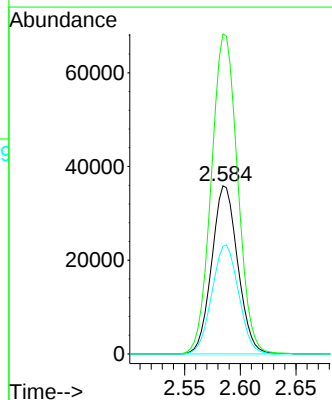
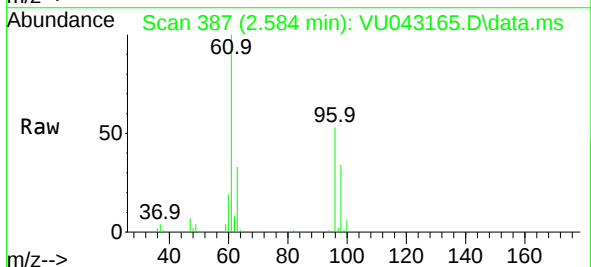
Instrument :
MSVOA_U
ClientSampleId :
GWBR3-225-250-041521

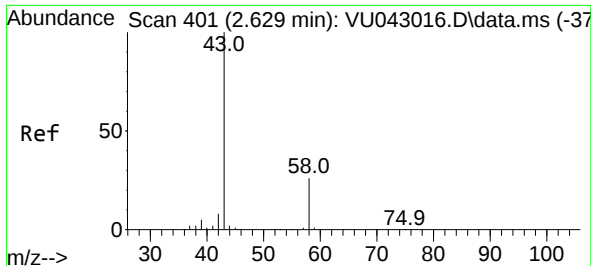
Tgt Ion: 64 Resp: 229
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#12
1,1-Dichloroethene
Concen: 56.90 ug/l
RT: 2.584 min Scan# 387
Delta R.T. 0.003 min
Lab File: VU043165.D
Acq: 16 Apr 2021 13:56

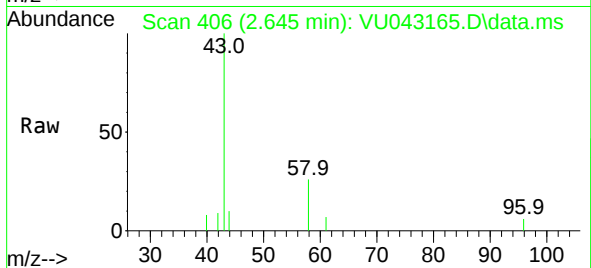
Tgt Ion: 96 Resp: 58229
Ion Ratio Lower Upper
96 100
61 190.3 147.4 221.0
98 64.1 51.4 77.2



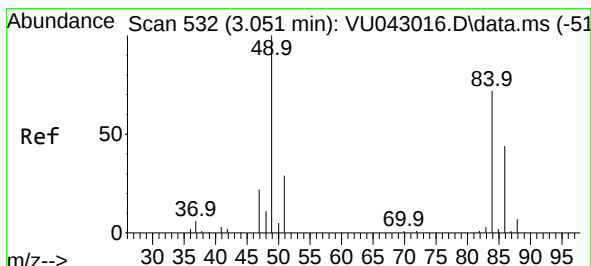
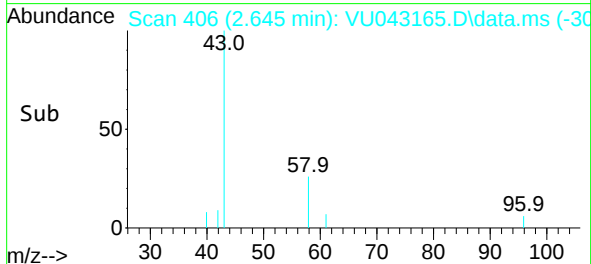
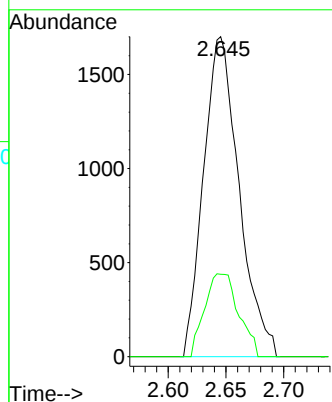


#16
Acetone
Concen: 3.06 ug/l
RT: 2.645 min Scan# 406
Delta R.T. 0.016 min
Lab File: VU043165.D
Acq: 16 Apr 2021 13:56

Instrument :
MSVOA_U
ClientSampleId :
GWBR3-225-250-041521

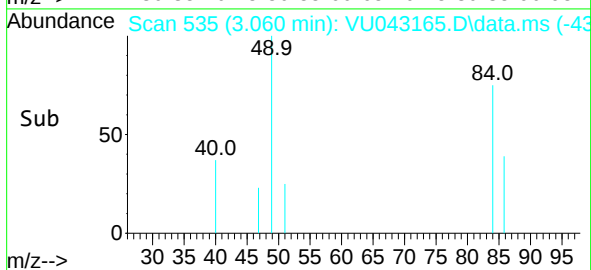
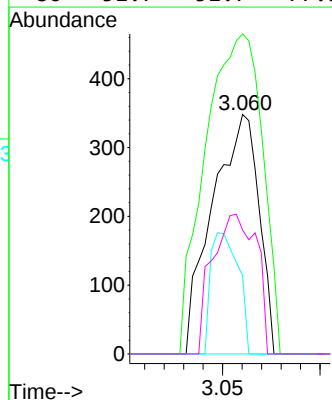
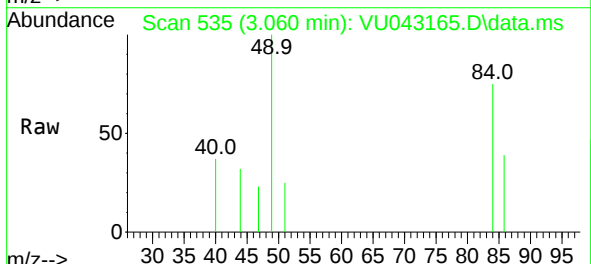


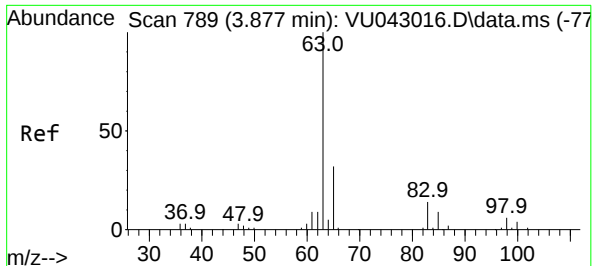
Tgt Ion: 43 Resp: 3638
Ion Ratio Lower Upper
43 100
58 25.7 21.5 32.3



#20
Methylene Chloride
Concen: 0.44 ug/l
RT: 3.060 min Scan# 535
Delta R.T. 0.009 min
Lab File: VU043165.D
Acq: 16 Apr 2021 13:56

Tgt Ion: 84 Resp: 577
Ion Ratio Lower Upper
84 100
49 133.6 112.6 169.0
51 32.8 33.7 50.5#
86 51.7 51.7 77.5





#24

1,1-Dichloroethane

Concen: 3.84 ug/l

RT: 3.880 min Scan# 790

Delta R.T. 0.003 min

Lab File: VU043165.D

Acq: 16 Apr 2021 13:56

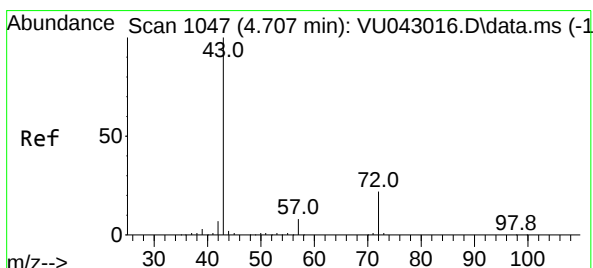
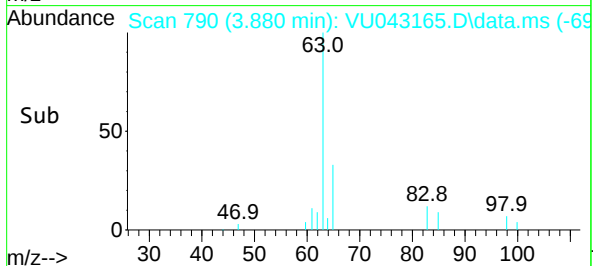
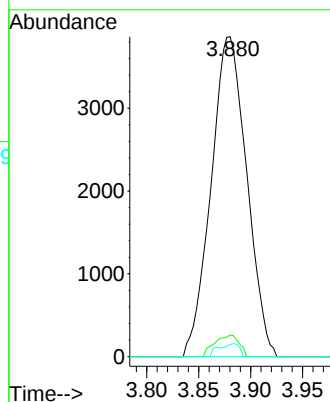
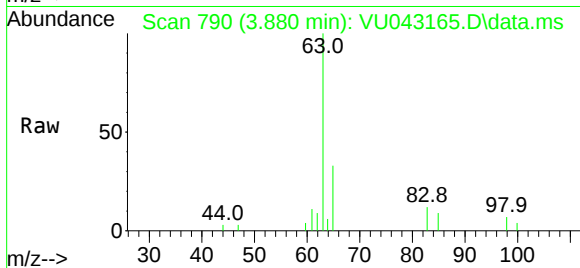
Tgt Ion: 63	Resp: 9231
Ion Ratio	Lower Upper
63 100	
98 6.8	3.1 9.3
100 3.8	2.1 6.2

Instrument :

MSVOA_U

ClientSampleId :

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#25

2-Butanone

Concen: 0.55 ug/l

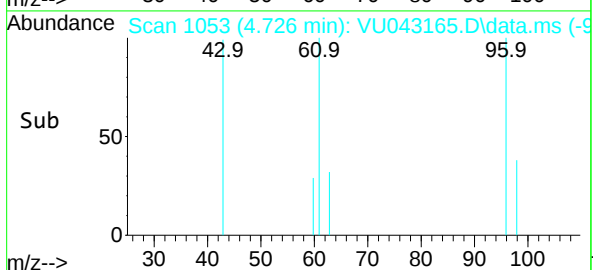
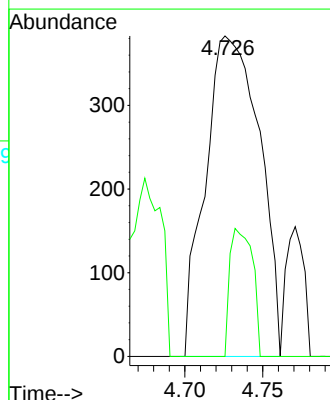
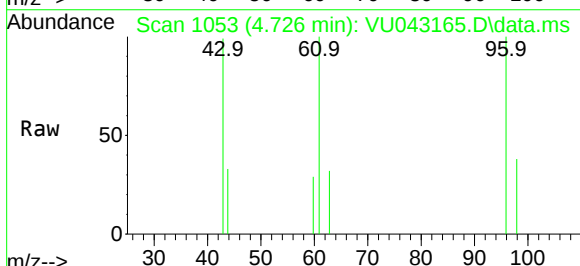
RT: 4.726 min Scan# 1053

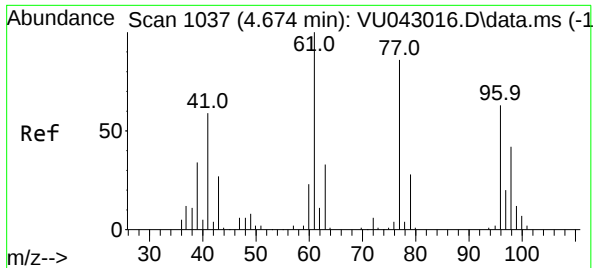
Delta R.T. 0.019 min

Lab File: VU043165.D

Acq: 16 Apr 2021 13:56

Tgt Ion: 43	Resp: 925
Ion Ratio	Lower Upper
43 100	
72 0.0	17.4 26.0#



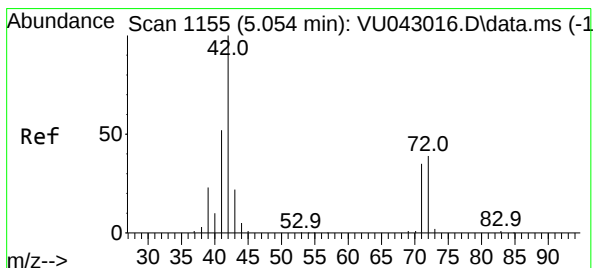
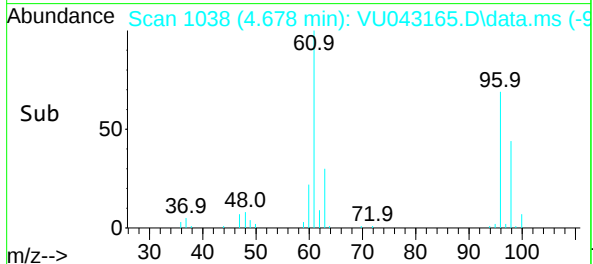
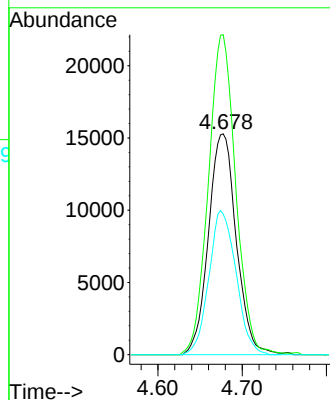
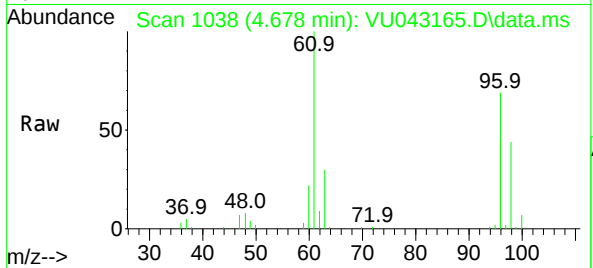


#27

cis-1,2-Dichloroethene
Concen: 25.78 ug/l
RT: 4.678 min Scan# 1038
Delta R.T. 0.004 min
Lab File: VU043165.D
Acq: 16 Apr 2021 13:56

Instrument :
MSVOA_U
ClientSampleId :
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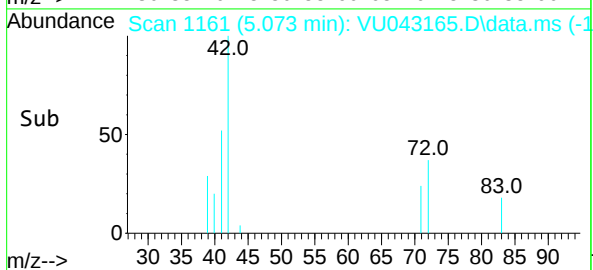
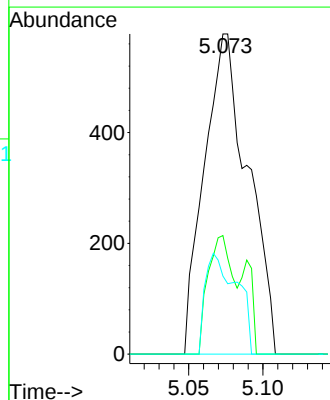
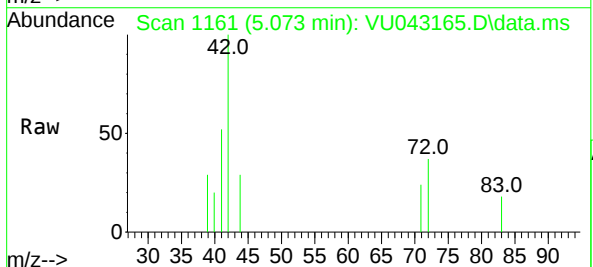
Tgt Ion:	96	Resp:	35063
Ion	Ratio	Lower	Upper
96	100		
61	142.4	0.0	322.2
98	63.7	0.0	128.6

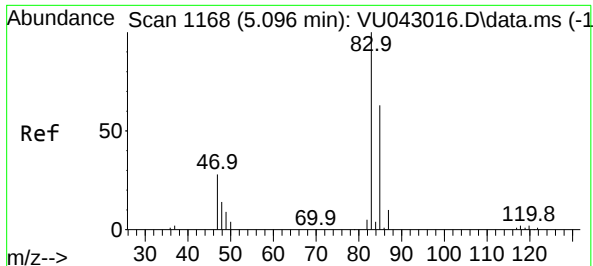


#29

Tetrahydrofuran
Concen: 1.12 ug/l
RT: 5.073 min Scan# 1161
Delta R.T. 0.019 min
Lab File: VU043165.D
Acq: 16 Apr 2021 13:56

Tgt Ion:	42	Resp:	1180
Ion	Ratio	Lower	Upper
42	100		
72	21.1	31.5	47.3#
71	22.7	29.5	44.3#





#30

Chloroform

Concen: 0.32 ug/l

RT: 5.102 min Scan# 1170

Delta R.T. 0.006 min

Lab File: VU043165.D

Acq: 16 Apr 2021 13:56

Instrument :

MSVOA_U

ClientSampleId :

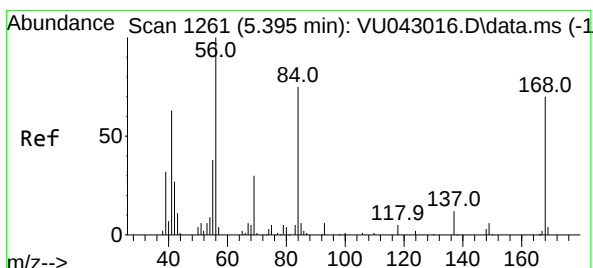
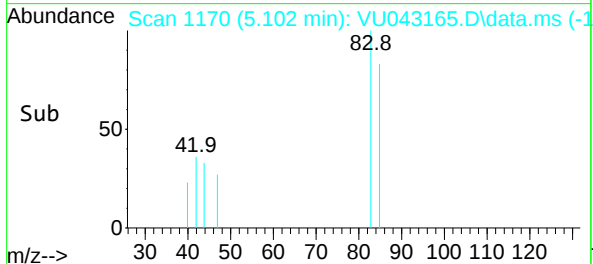
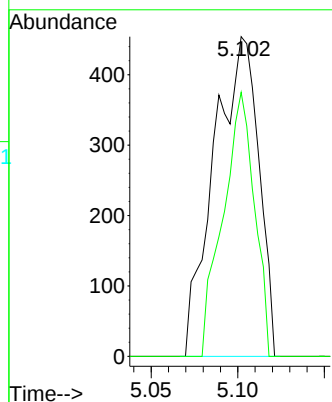
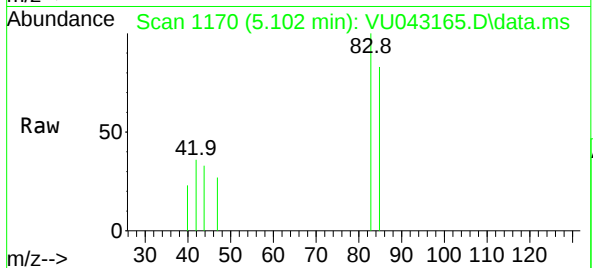
GWBR3-225-250-041521

Tgt Ion: 83 Resp: 813

Ion Ratio Lower Upper

83 100

85 82.6 54.6 81.8#



#31

Cyclohexane

Concen: 1.24 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.013 min

Lab File: VU043165.D

Acq: 16 Apr 2021 13:56

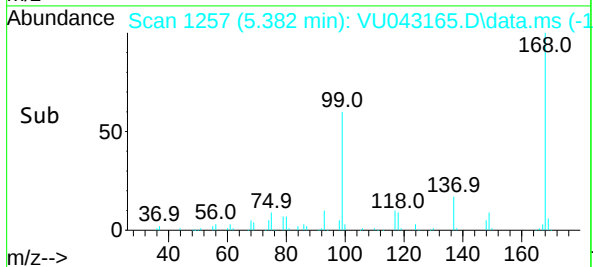
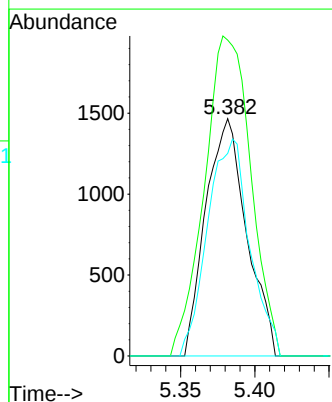
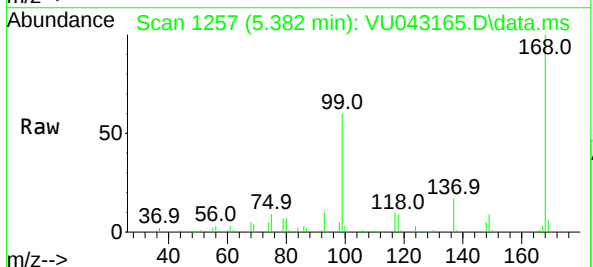
Tgt Ion: 56 Resp: 2806

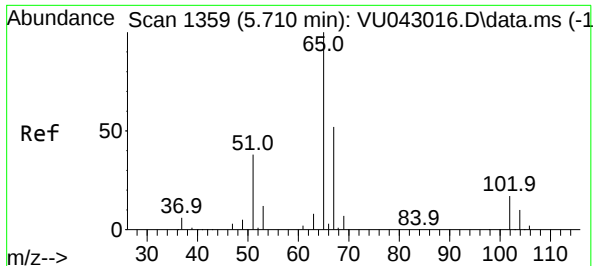
Ion Ratio Lower Upper

56 100

69 133.1 24.9 37.3#

84 85.4 63.7 95.5





#33

1,2-Dichloroethane-d4

Concen: 51.03 ug/l

RT: 5.710 min Scan# 1359

Delta R.T. -0.000 min

Lab File: VU043165.D

Acq: 16 Apr 2021 13:56

Tgt Ion: 65 Resp: 93774

Ion Ratio Lower Upper

65 100

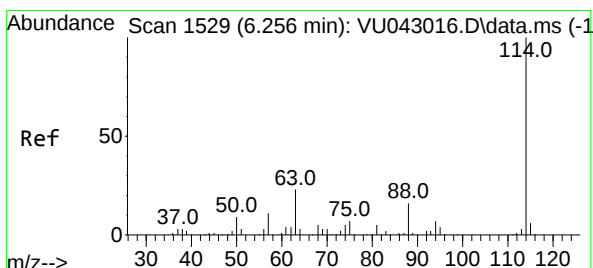
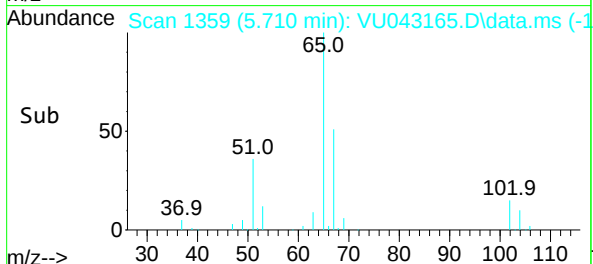
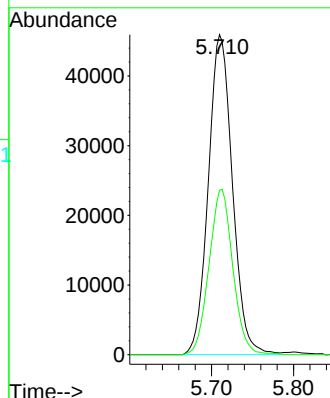
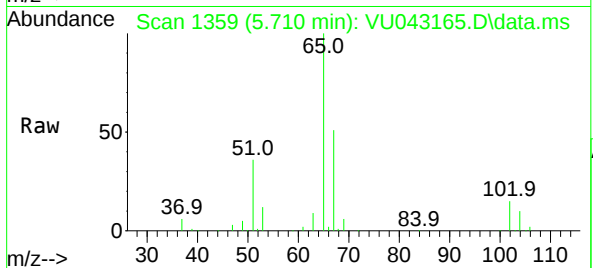
67 51.0 0.0 99.8

Instrument :

MSVOA_U

ClientSampleId :

GWBR3-225-250-041521



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. 0.000 min

Lab File: VU043165.D

Acq: 16 Apr 2021 13:56

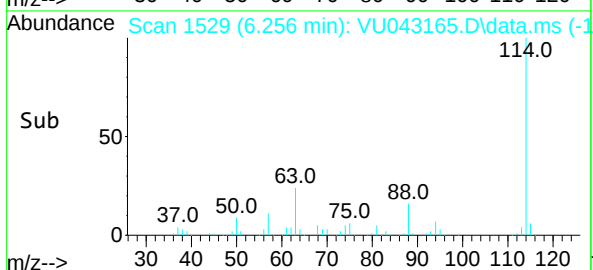
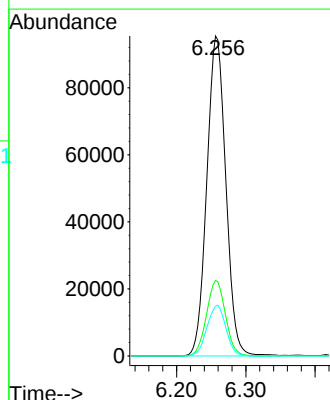
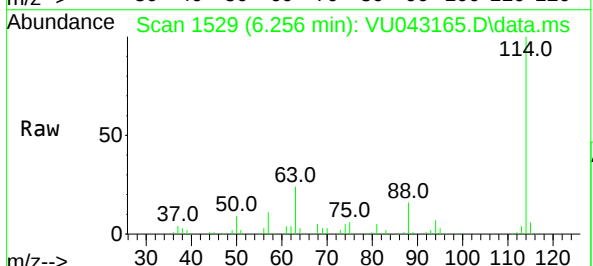
Tgt Ion: 114 Resp: 181653

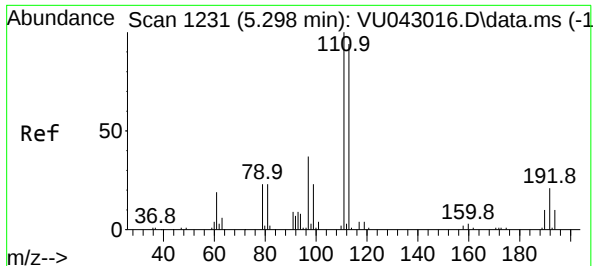
Ion Ratio Lower Upper

114 100

63 23.6 0.0 44.2

88 15.6 0.0 33.4

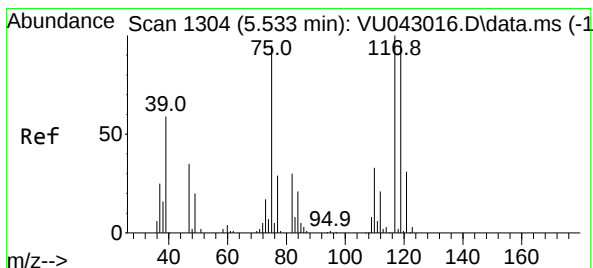
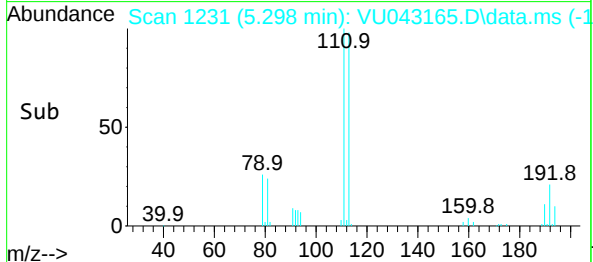
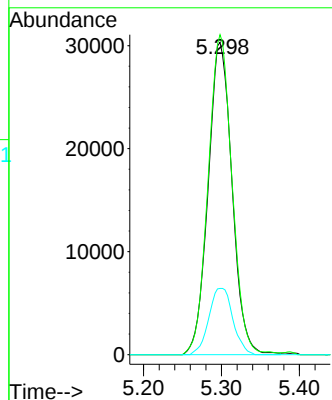
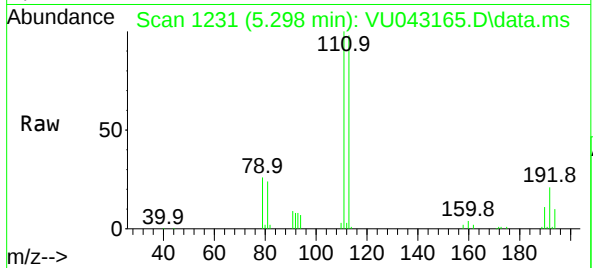




#35
Dibromofluoromethane
Concen: 47.36 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043165.D
Acq: 16 Apr 2021 13:56

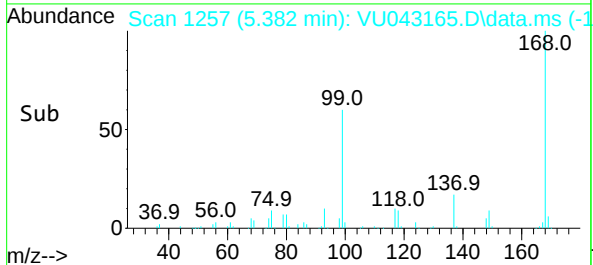
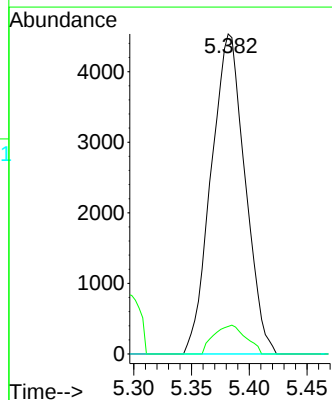
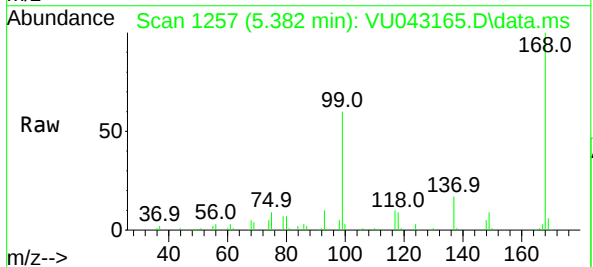
Instrument :
MSVOA_U
ClientSampleId :
GWBR3-225-250-041521

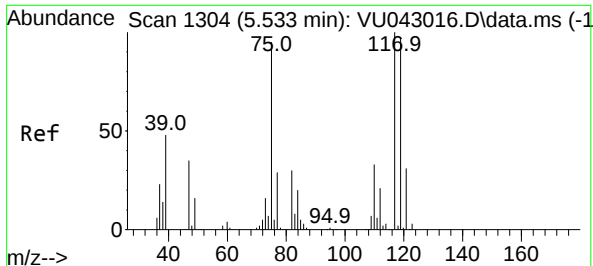
Tgt Ion:113	Resp:	64651
Ion Ratio	Lower	Upper
113	100	
111	102.5	81.8 122.8
192	21.4	17.2 25.8



#36
1,1-Dichloropropene
Concen: 4.79 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043165.D
Acq: 16 Apr 2021 13:56

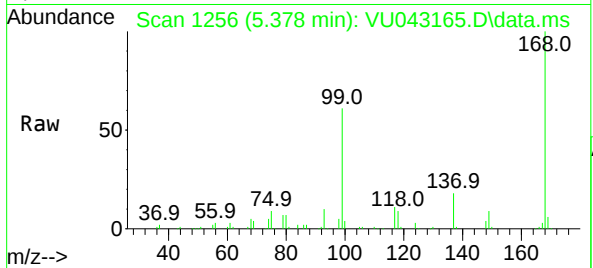
Tgt Ion: 75	Resp:	9239
Ion Ratio	Lower	Upper
75	100	
110	8.5	16.8 50.3#
77	0.0	24.8 37.2#



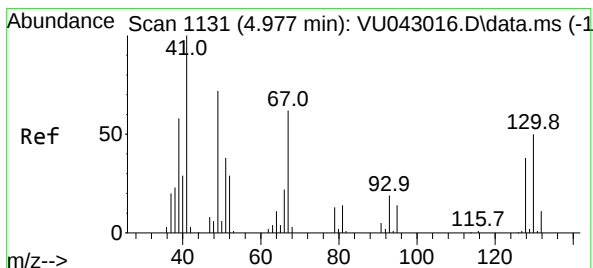
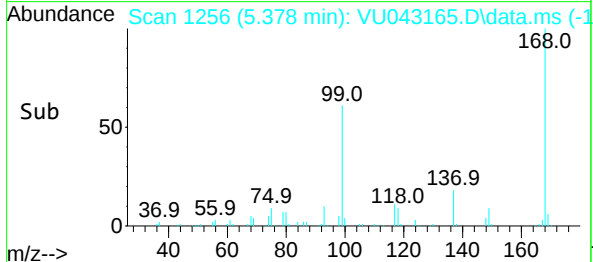
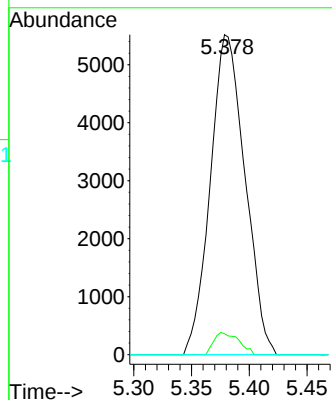


#38
Carbon Tetrachloride
Concen: 5.57 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.155 min
Lab File: VU043165.D
Acq: 16 Apr 2021 13:56

Instrument :
MSVOA_U
ClientSampleId :
GWBR3-225-250-041521

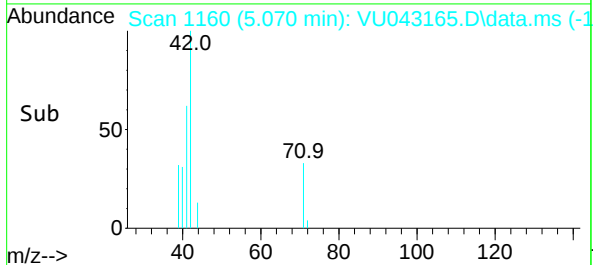
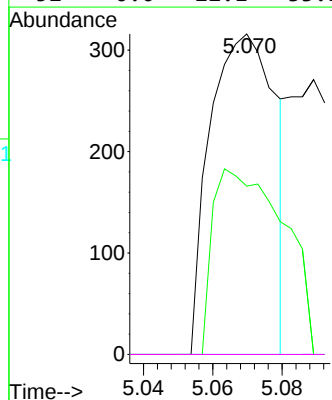
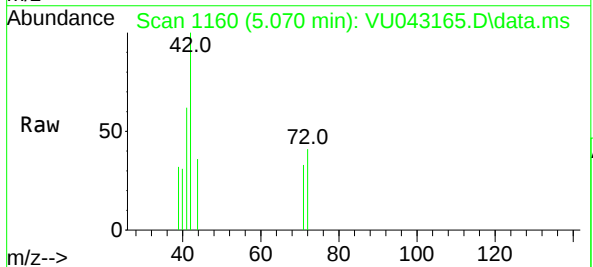


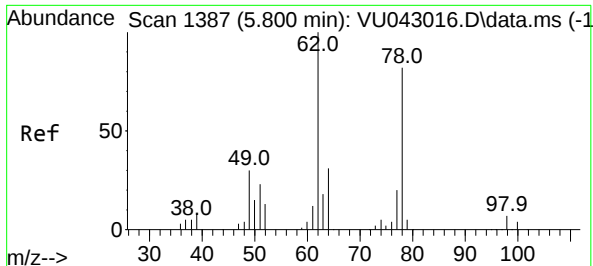
Tgt Ion: 117 Resp: 11505
Ion Ratio Lower Upper
117 100
119 6.6 75.5 113.3#
121 0.0 24.7 37.1#



#41
Methacrylonitrile
Concen: 0.24 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.093 min
Lab File: VU043165.D
Acq: 16 Apr 2021 13:56

Tgt Ion: 41 Resp: 413
Ion Ratio Lower Upper
41 100
39 63.2 45.1 67.7
67 0.0 50.2 75.2#
52 0.0 22.1 33.1#





#42

1,2-Dichloroethane

Concen: 2.85 ug/l

RT: 5.803 min Scan# 1388

Delta R.T. 0.003 min

Lab File: VU043165.D

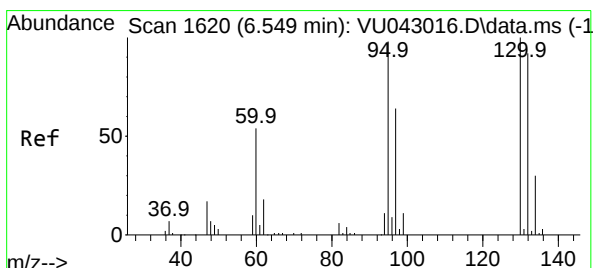
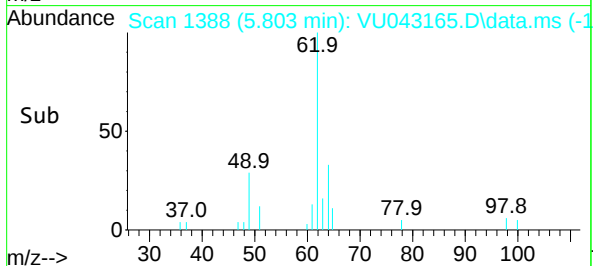
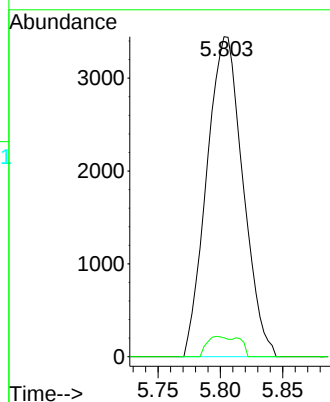
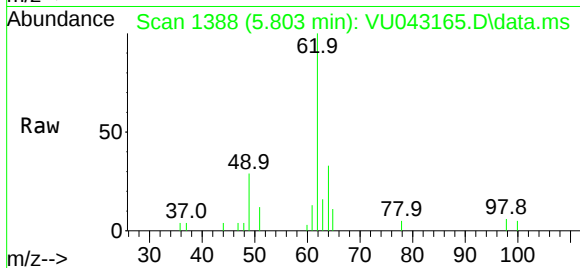
Acq: 16 Apr 2021 13:56

Tgt Ion: 62 Resp: 6963

Ion Ratio Lower Upper

62 100

98 4.2 0.0 14.8



#44

Trichloroethene

Concen: 26.60 ug/l

RT: 6.549 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VU043165.D

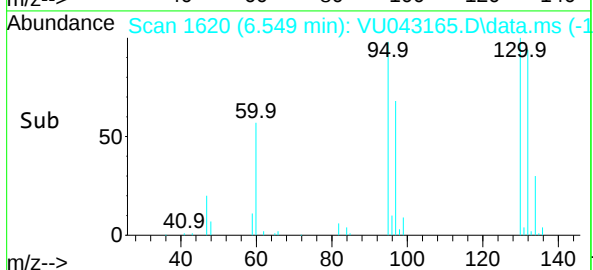
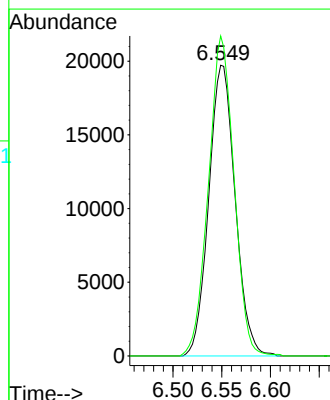
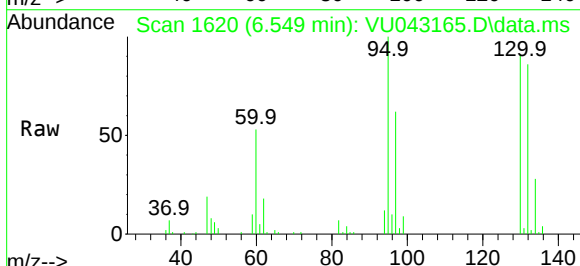
Acq: 16 Apr 2021 13:56

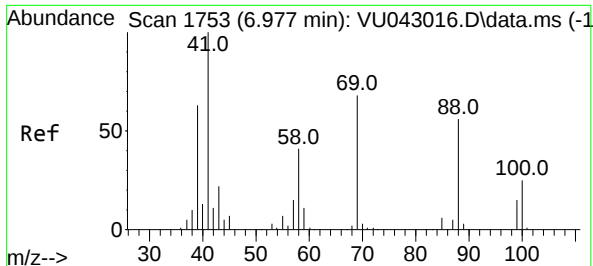
Tgt Ion: 130 Resp: 37154

Ion Ratio Lower Upper

130 100

95 110.1 0.0 197.8





#49

1,4-Dioxane

Concen: 38.84 ug/l

RT: 6.999 min Scan# 1760

Delta R.T. 0.022 min

Lab File: VU043165.D

Acq: 16 Apr 2021 13:56

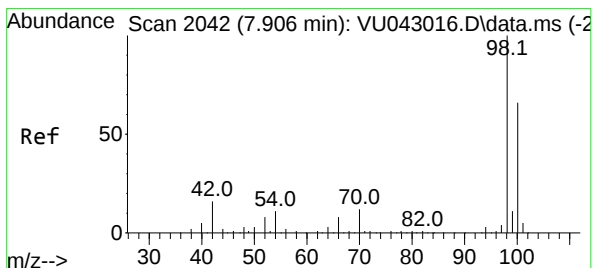
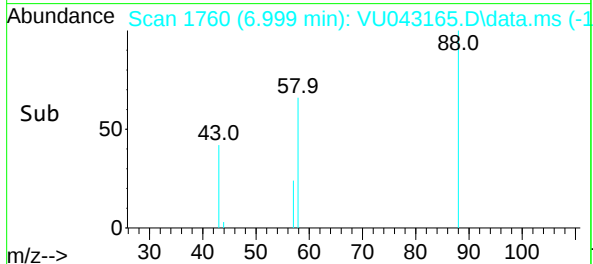
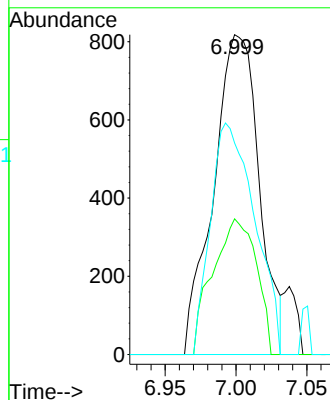
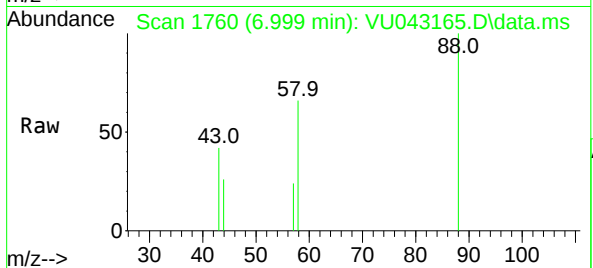
Tgt Ion: 88 Resp: 1836

Ion Ratio Lower Upper

88 100

43 40.5 0.0 0.0#

58 70.2 60.4 90.6



#50

Toluene-d8

Concen: 47.22 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU043165.D

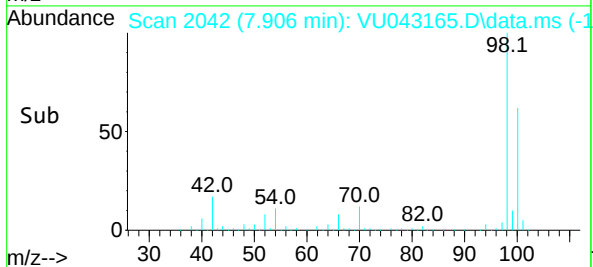
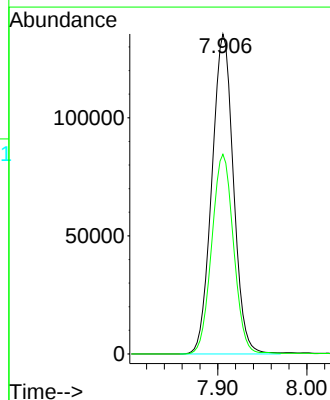
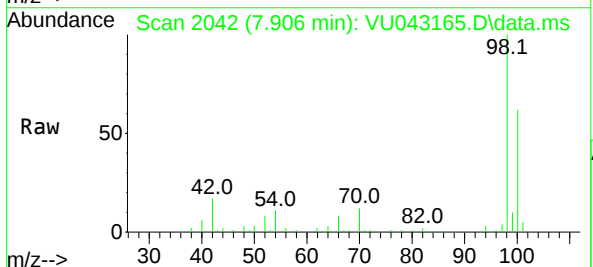
Acq: 16 Apr 2021 13:56

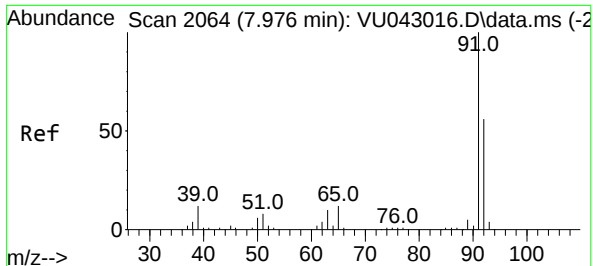
Tgt Ion: 98 Resp: 228051

Ion Ratio Lower Upper

98 100

100 63.1 50.2 75.2

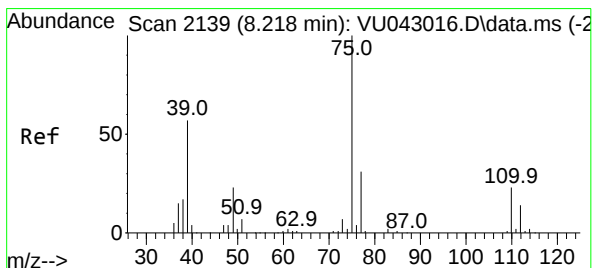
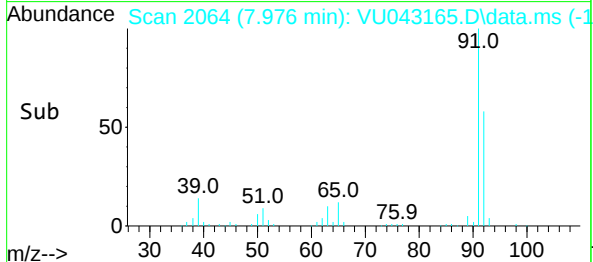
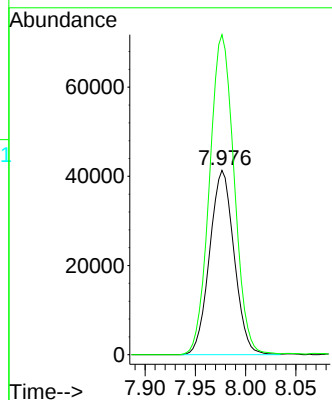
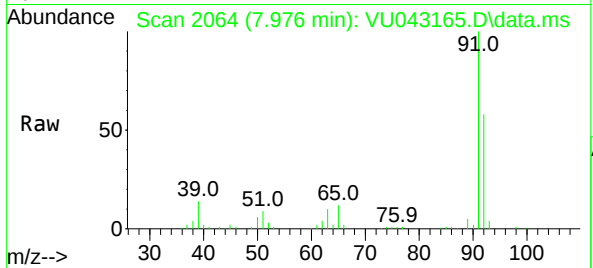




#52
Toluene
Concen: 20.51 ug/l
RT: 7.976 min Scan# 2064
Delta R.T. 0.000 min
Lab File: VU043165.D
Acq: 16 Apr 2021 13:56

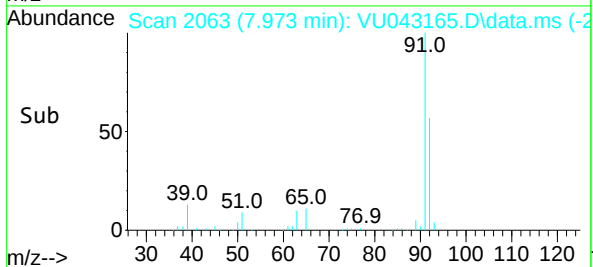
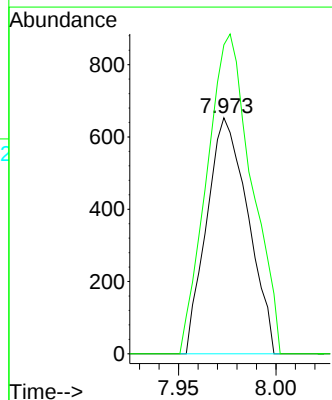
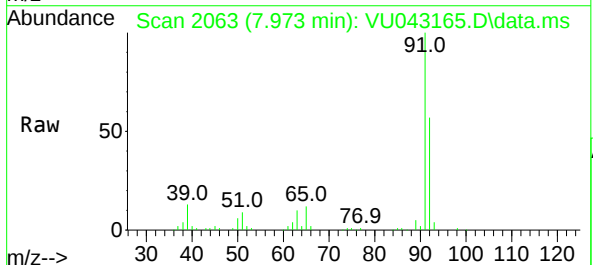
Instrument :
MSVOA_U
ClientSampleId :
GWBR3-225-250-041521

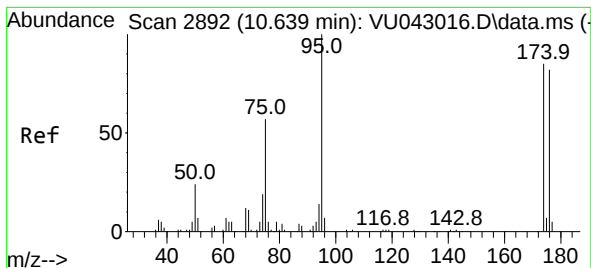
Tgt Ion: 92 Resp: 70015
Ion Ratio Lower Upper
92 100
91 174.8 140.3 210.5



#53
t-1,3-Dichloropropene
Concen: 0.40 ug/l
RT: 7.973 min Scan# 2063
Delta R.T. -0.245 min
Lab File: VU043165.D
Acq: 16 Apr 2021 13:56

Tgt Ion: 75 Resp: 960
Ion Ratio Lower Upper
75 100
77 130.9 25.6 38.4#

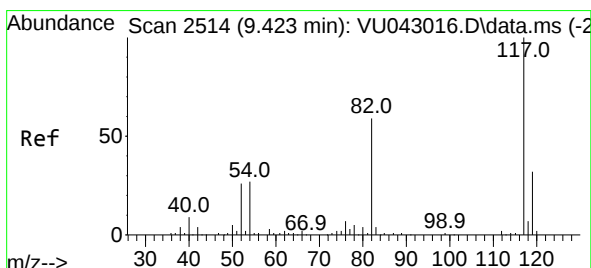
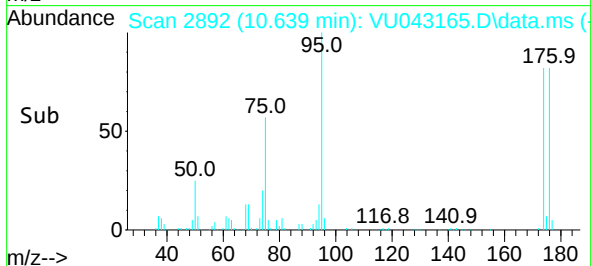
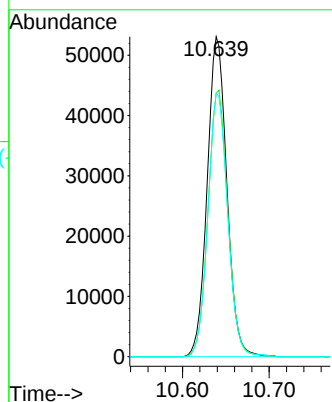
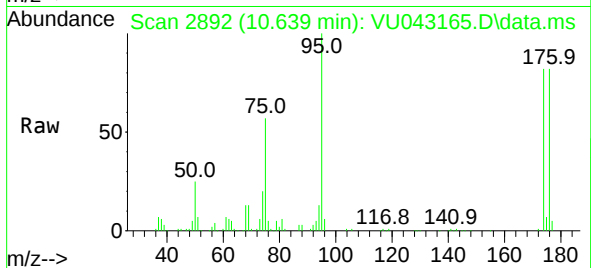




#62
4-Bromofluorobenzene
Concen: 43.21 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043165.D
Acq: 16 Apr 2021 13:56

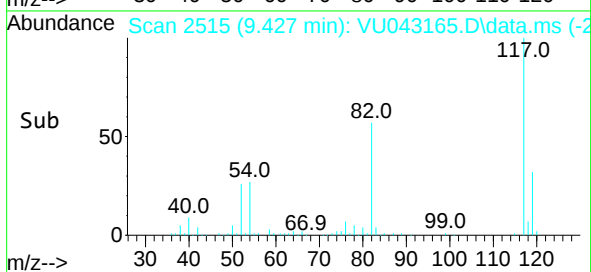
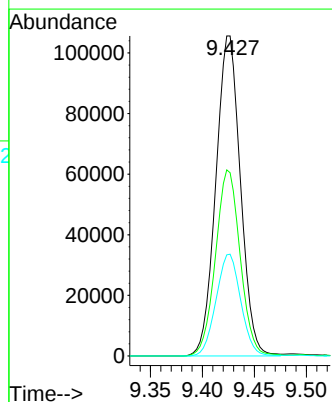
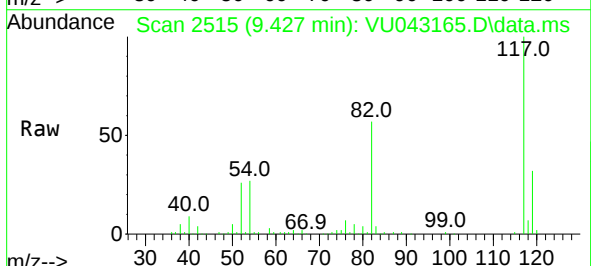
Instrument :
MSVOA_U
ClientSampleId :
GWBR3-225-250-041521

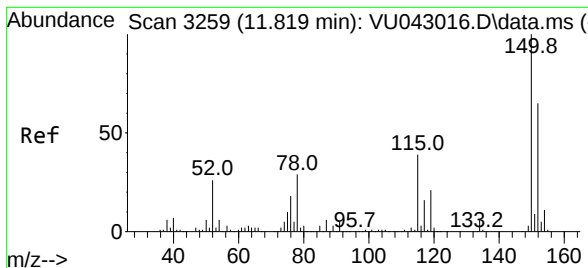
Tgt Ion: 95 Resp: 83581
Ion Ratio Lower Upper
95 100
174 84.2 0.0 172.2
176 83.0 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.427 min Scan# 2515
Delta R.T. 0.004 min
Lab File: VU043165.D
Acq: 16 Apr 2021 13:56

Tgt Ion: 117 Resp: 174049
Ion Ratio Lower Upper
117 100
82 57.3 45.8 68.6
119 31.8 25.8 38.8

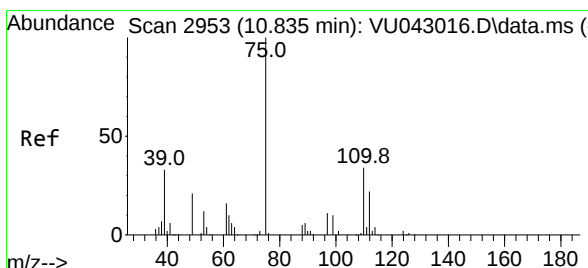
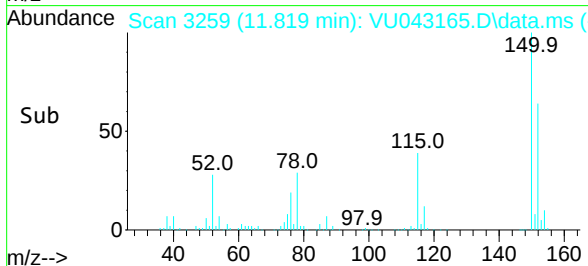
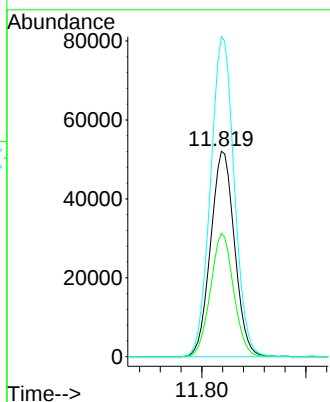
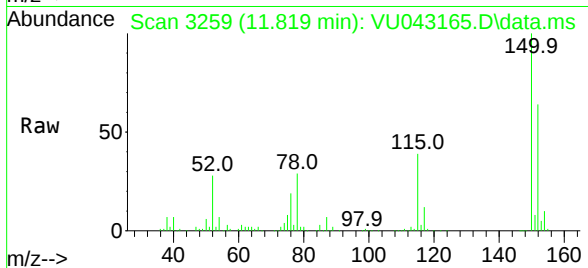




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU043165.D
 Acq: 16 Apr 2021 13:56

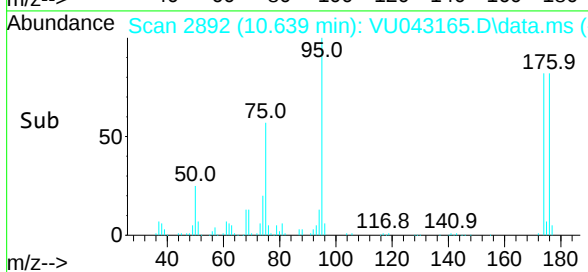
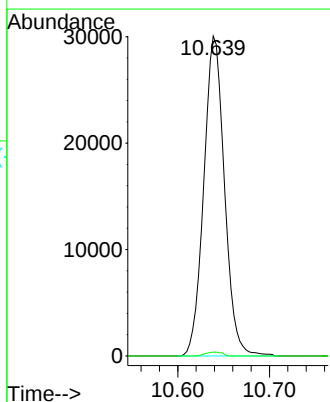
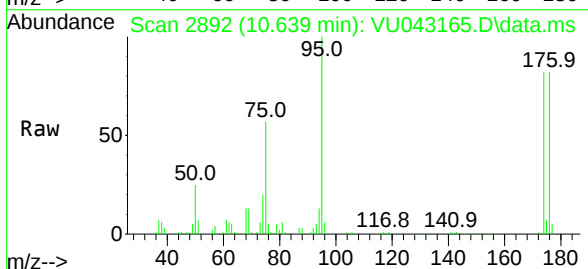
Instrument :
 MSVOA_U
 ClientSampleId :
 GWBR3-225-250-041521

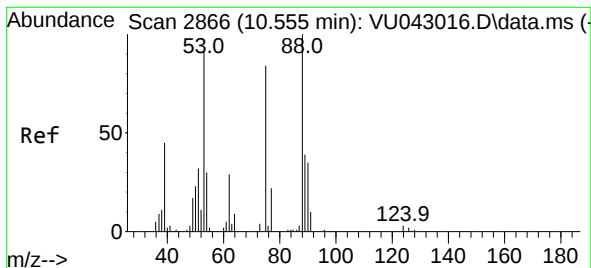
Tgt Ion:152 Resp: 83231
 Ion Ratio Lower Upper
 152 100
 115 58.1 41.5 124.6
 150 154.8 0.0 342.4



#76
 1,2,3-Trichloropropane
 Concen: 19.41 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.196 min
 Lab File: VU043165.D
 Acq: 16 Apr 2021 13:56

Tgt Ion: 75 Resp: 47205
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.2 60.5#

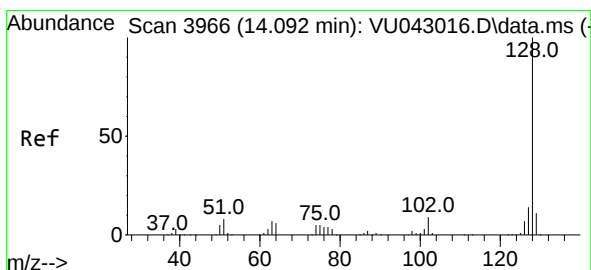
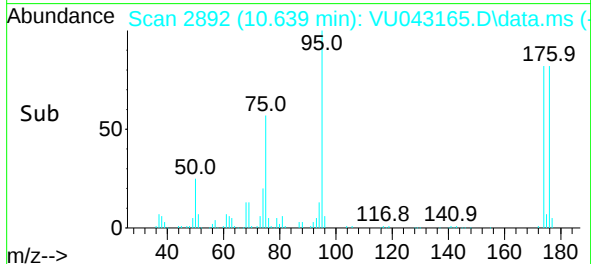
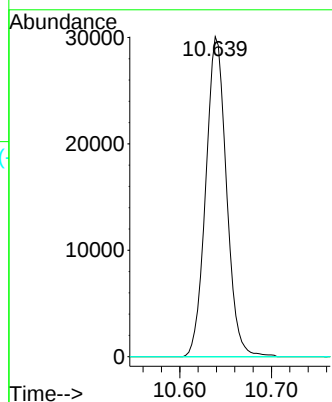
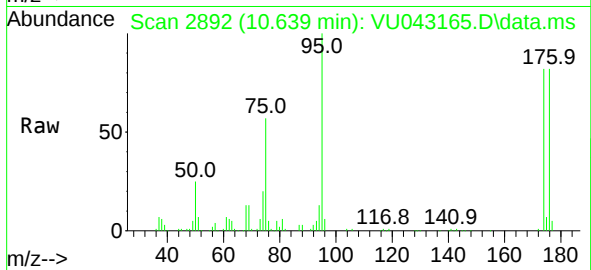




#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.03 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. 0.084 min
 Lab File: VU043165.D
 Acq: 16 Apr 2021 13:56

Instrument :
 MSVOA_U
 ClientSampleId :
 GWBR3-225-250-041521

Tgt Ion: 75 Resp: 47205
 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: VU043165.D
 Acq: 16 Apr 2021 13:56

Tgt Ion:128 Resp: 221
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.8 16.2#
 129 0.0 8.6 13.0#

