

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041621\
 Data File : VU043179.D
 Acq On : 16 Apr 2021 19:19
 Operator : SY/MD
 Sample : M2056-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VOC-TRIP-A

Quant Time: Apr 17 02:35:30 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)

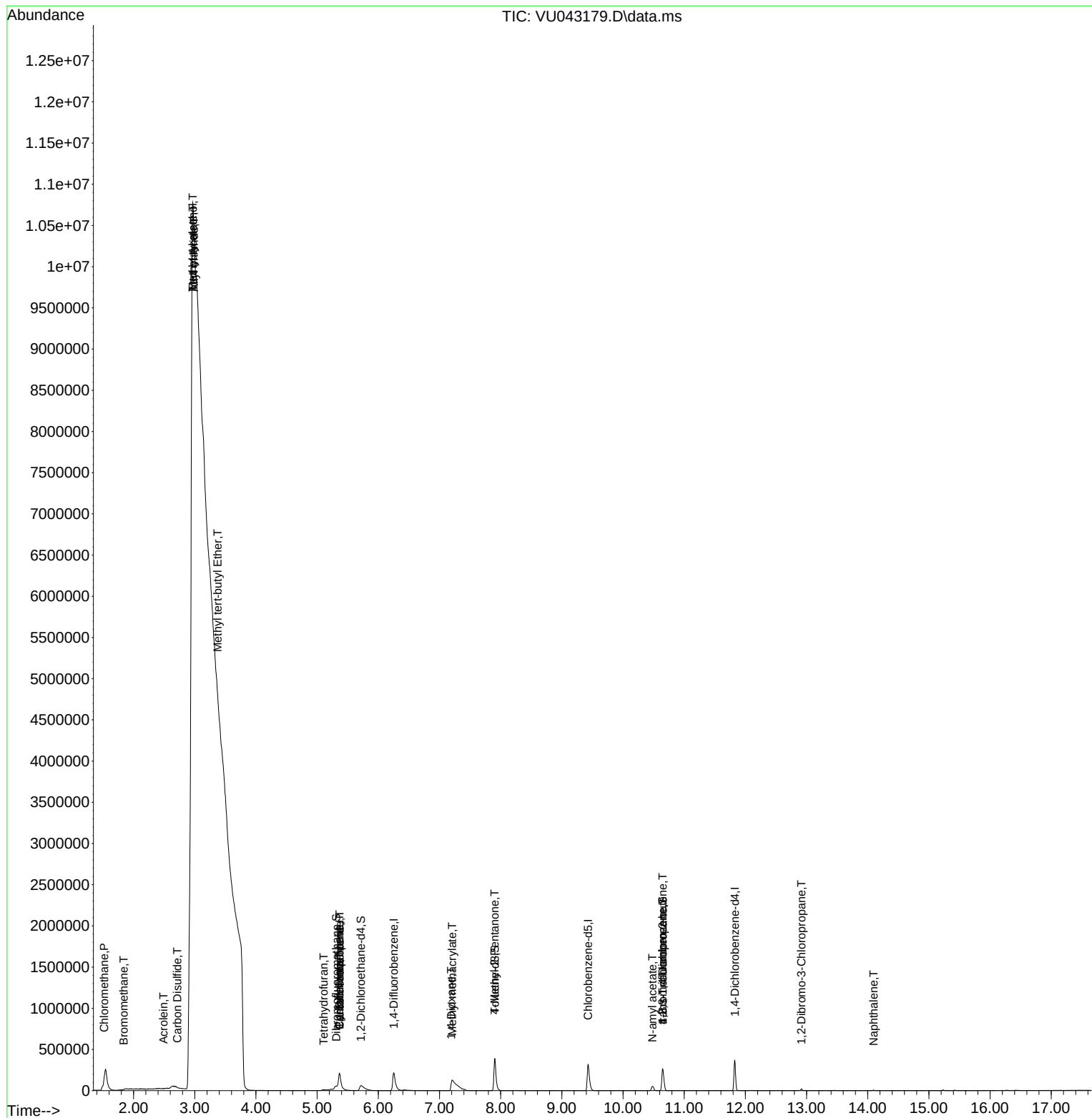
Internal Standards						
1) Pentafluorobenzene	5.369	168	163069	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.253	114	271591	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.430	117	249752	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.828	152	105512	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.716	65	132680	48.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.80%	
35) Dibromofluoromethane	5.314	113	79342	38.88	ug/l	0.02
Spiked Amount 50.000			Recovery	=	77.76%	
50) Toluene-d8	7.906	98	335331	46.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.88%	
62) 4-Bromofluorobenzene	10.648	95	118593	41.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.02%	
Target Compounds					Qvalue	
3) Chloromethane	1.520	50	6331	2.38	ug/l	99
5) Bromomethane	1.839	94	452	0.45	ug/l #	59
11) Tert butyl alcohol	2.967	59	4424324	6262.09	ug/l #	94
13) Acrolein	2.491	56	87	10.61	ug/l #	14
14) Allyl chloride	2.986	41	10768769	2906.95	ug/l #	41
17) Carbon Disulfide	2.713	76	7756	1.65	ug/l	96
18) Methyl Acetate	2.967	43	51816678	15121.80	ug/l	96
19) Methyl tert-butyl Ether	3.375	73	1673	0.28	ug/l #	66
29) Tetrahydrofuran	5.108	42	5778	3.68	ug/l #	83
31) Cyclohexane	5.362	56	3830	1.13	ug/l #	17
36) 1,1-Dichloropropene	5.366	75	13865	4.81	ug/l #	48
38) Carbon Tetrachloride	5.369	117	16480	5.33	ug/l #	16
48) Methyl methacrylate	7.208	41	44028	12.48	ug/l #	52
49) 1,4-Dioxane	7.192	88	216	3.06	ug/l #	12
51) 4-Methyl-2-Pentanone	7.903	43	2257	0.43	ug/l #	1
74) N-amyl acetate	10.481	43	19117	4.20	ug/l #	56
76) 1,2,3-Trichloropropane	10.648	75	67420	21.87	ug/l #	36
81) trans-1,4-Dichloro-2-b...	10.648	75	67420	64.25	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	12.918	75	666	0.76	ug/l #	1
95) Naphthalene	14.095	128	4801	3.34	ug/l #	94

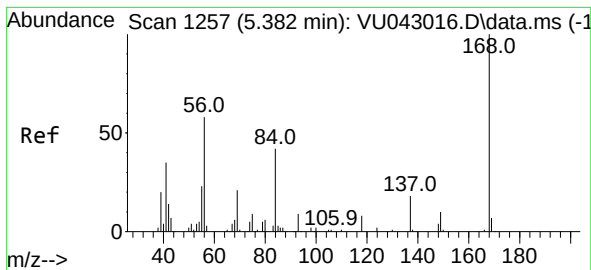
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

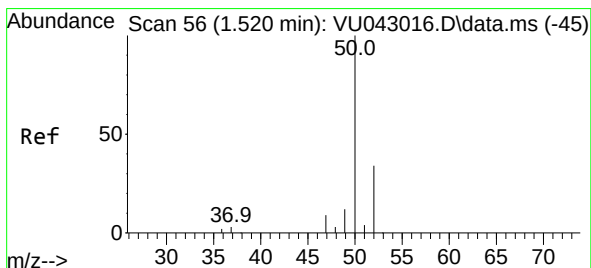
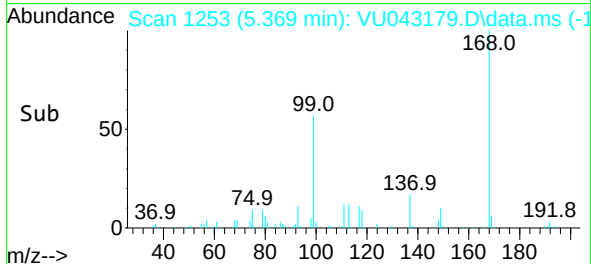
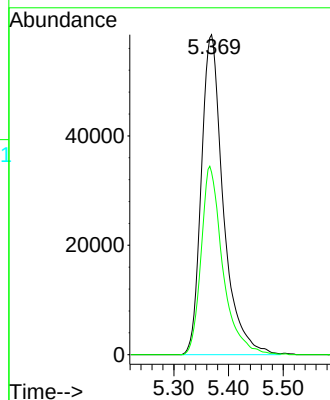
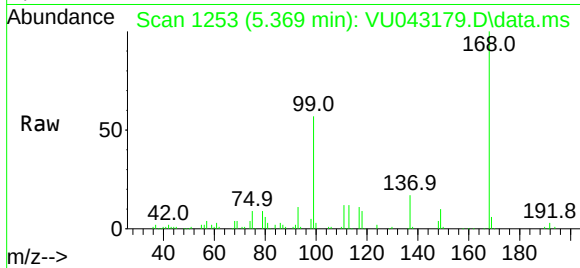




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.013 min
Lab File: VU043179.D
Acq: 16 Apr 2021 19:19

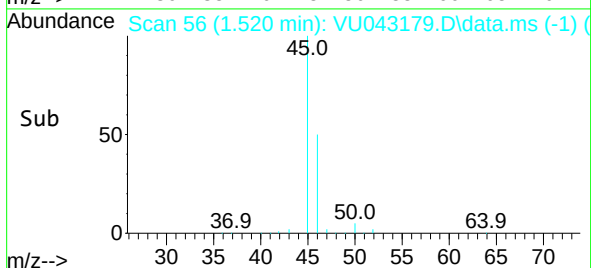
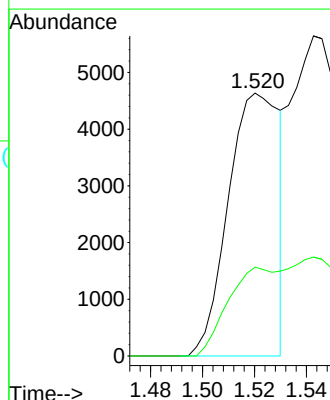
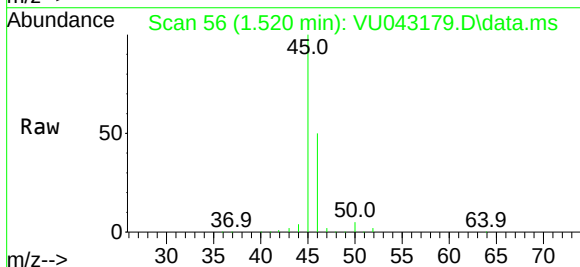
Instrument :
MSVOA_U
ClientSampleId :
VOC-TRIP-A

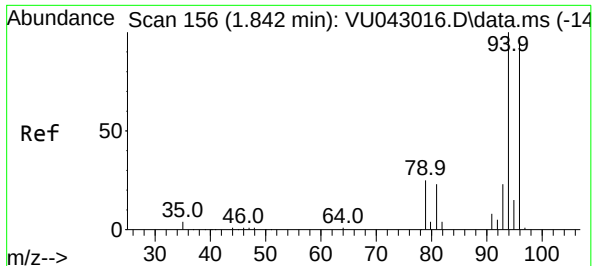
Tgt Ion:168 Resp: 163069
Ion Ratio Lower Upper
168 100
99 57.0 45.0 67.4



#3
Chloromethane
Concen: 2.38 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU043179.D
Acq: 16 Apr 2021 19:19

Tgt Ion: 50 Resp: 6331
Ion Ratio Lower Upper
50 100
52 33.8 26.6 40.0

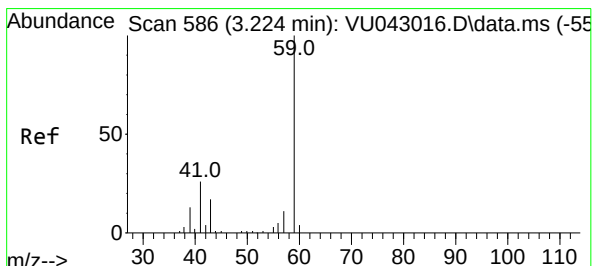
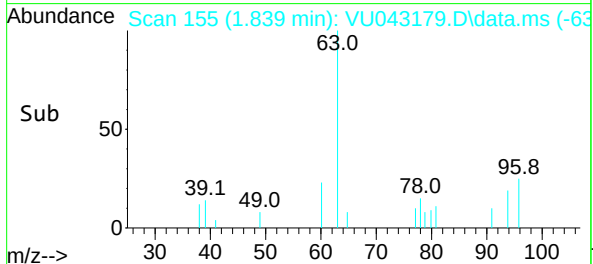
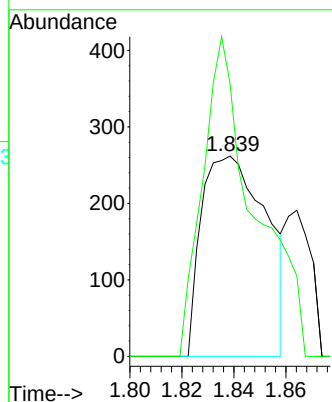
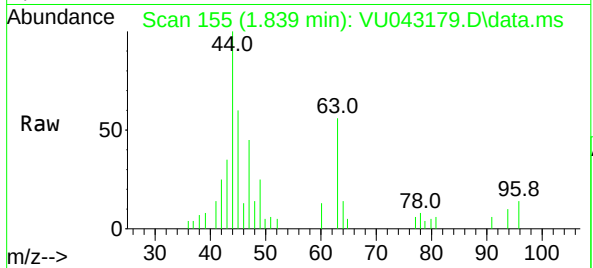




#5
Bromomethane
Concen: 0.45 ug/l
RT: 1.839 min Scan# 155
Delta R.T. -0.003 min
Lab File: VU043179.D
Acq: 16 Apr 2021 19:19

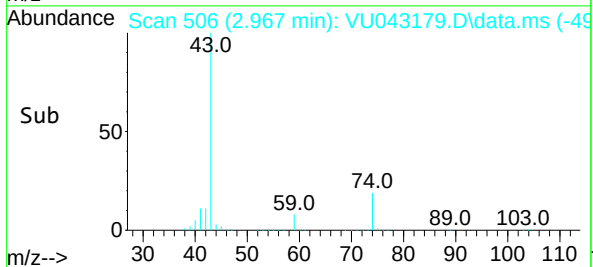
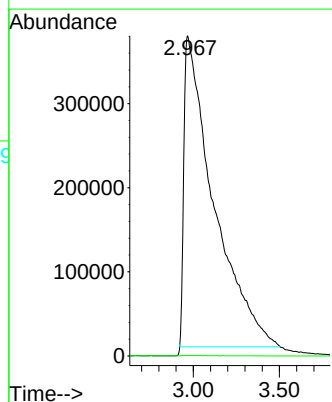
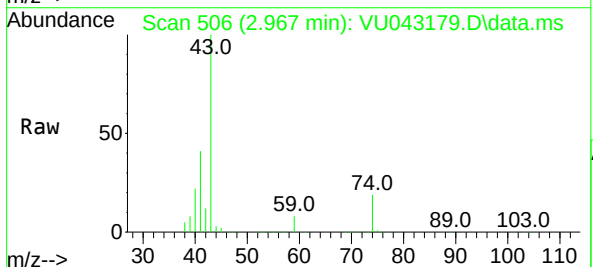
Instrument :
MSVOA_U
ClientSampled :
VOC-TRIP-A

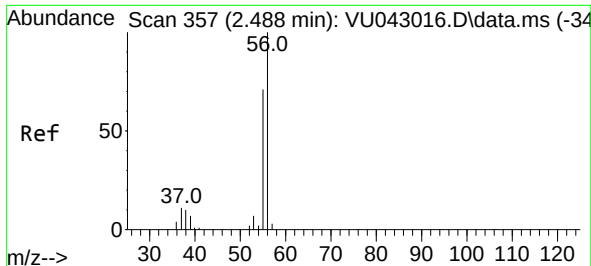
Tgt Ion: 94 Resp: 452
Ion Ratio Lower Upper
94 100
96 135.9 76.6 115.0#



#11
Tert butyl alcohol
Concen: 6262.09 ug/l
RT: 2.967 min Scan# 506
Delta R.T. -0.257 min
Lab File: VU043179.D
Acq: 16 Apr 2021 19:19

Tgt Ion: 59 Resp: 4424324
Ion Ratio Lower Upper
59 100
57 0.0 1.6 2.4#

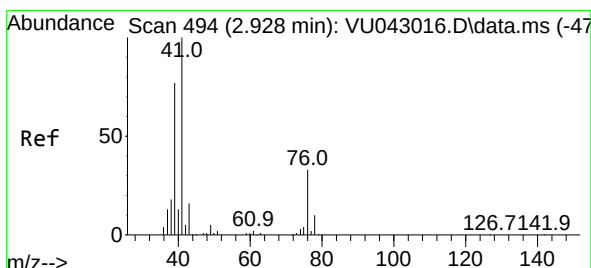
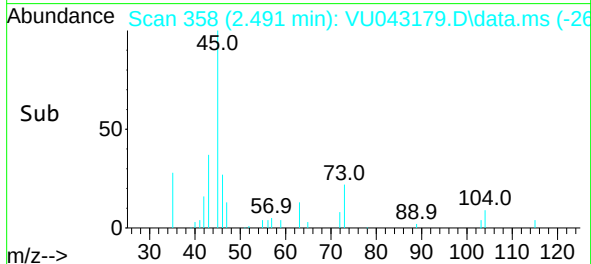
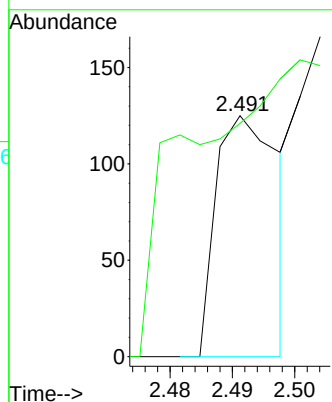
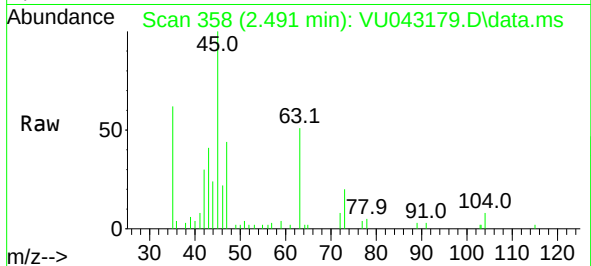




#13
Acrolein
Concen: 10.61 ug/l
RT: 2.491 min Scan# 358
Delta R.T. 0.003 min
Lab File: VU043179.D
Acq: 16 Apr 2021 19:19

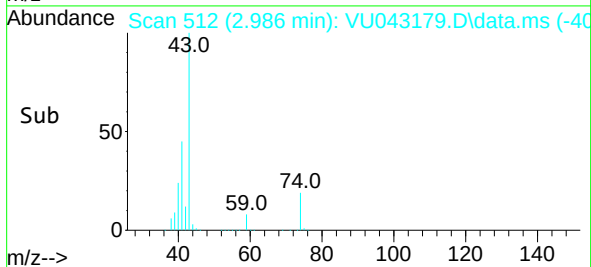
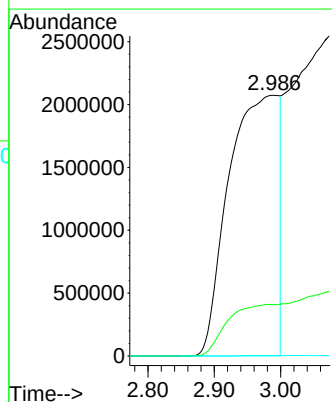
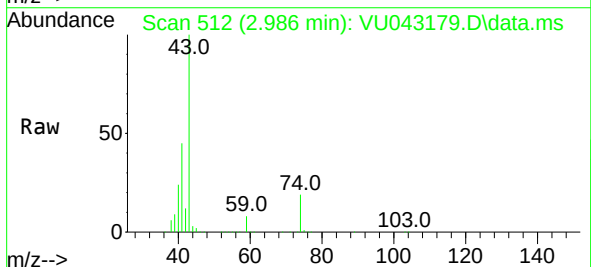
Instrument :
MSVOA_U
ClientSampleId :
VOC-TRIP-A

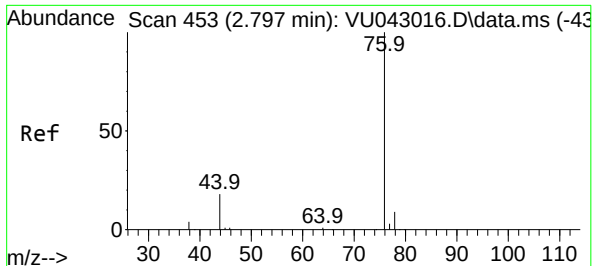
Tgt Ion: 56 Resp: 87
Ion Ratio Lower Upper
56 100
55 0.0 57.3 85.9#



#14
Allyl chloride
Concen: 2906.95 ug/l
RT: 2.986 min Scan# 512
Delta R.T. 0.058 min
Lab File: VU043179.D
Acq: 16 Apr 2021 19:19

Tgt Ion: 41 Resp: 10768769
Ion Ratio Lower Upper
41 100
39 18.4 54.9 82.3#
76 0.0 22.5 33.7#

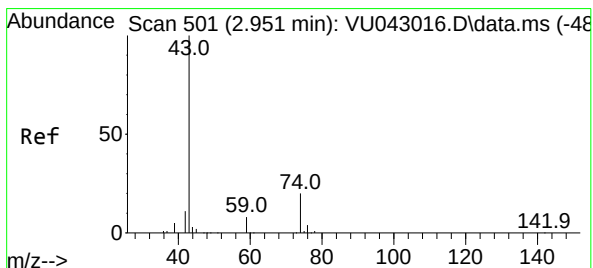
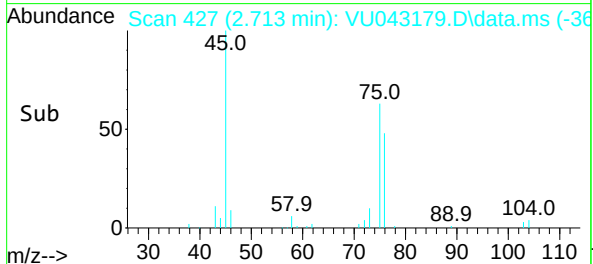
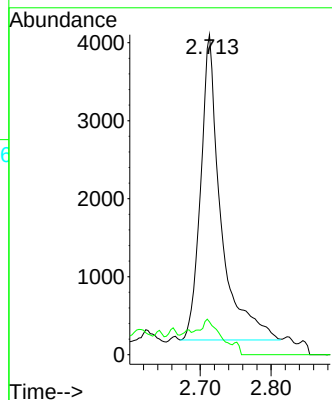
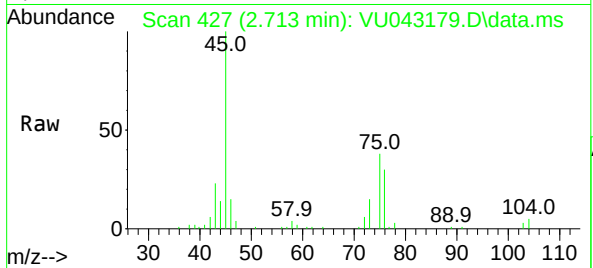




#17
Carbon Disulfide
Concen: 1.65 ug/l
RT: 2.713 min Scan# 427
Delta R.T. -0.084 min
Lab File: VU043179.D
Acq: 16 Apr 2021 19:19

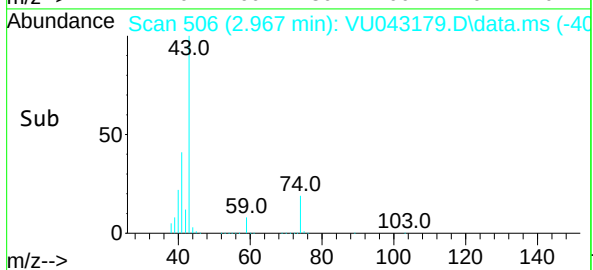
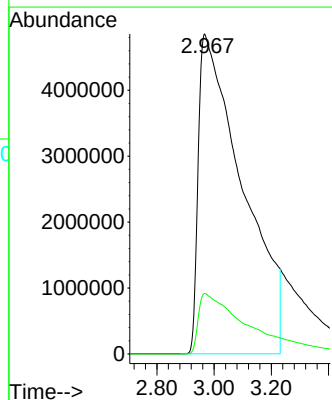
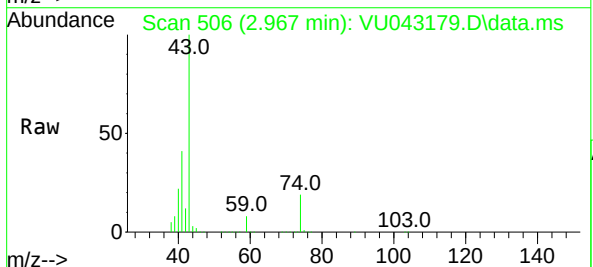
Instrument :
MSVOA_U
ClientSampleId :
VOC-TRIP-A

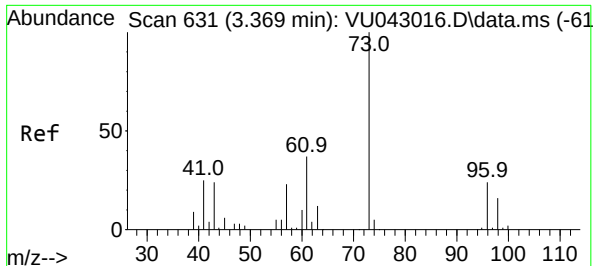
Tgt Ion: 76 Resp: 7756
Ion Ratio Lower Upper
76 100
78 10.8 7.5 11.3



#18
Methyl Acetate
Concen: 15121.80 ug/l
RT: 2.967 min Scan# 506
Delta R.T. 0.016 min
Lab File: VU043179.D
Acq: 16 Apr 2021 19:19

Tgt Ion: 43 Resp: 51816678
Ion Ratio Lower Upper
43 100
74 18.9 16.6 25.0





#19

Methyl tert-butyl Ether

Concen: 0.28 ug/l

RT: 3.375 min Scan# 633

Delta R.T. 0.006 min

Lab File: VU043179.D

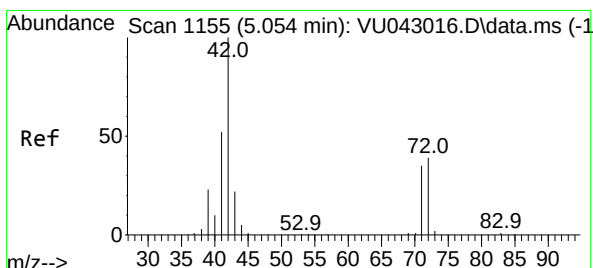
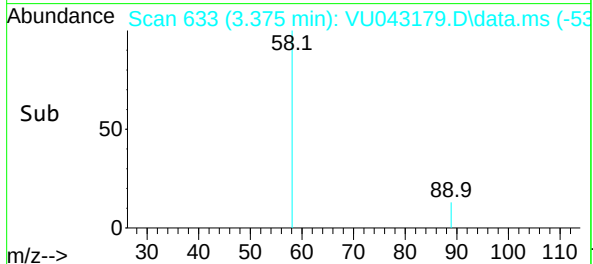
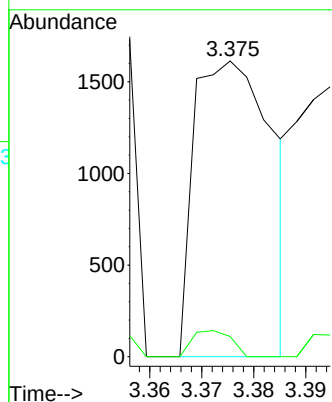
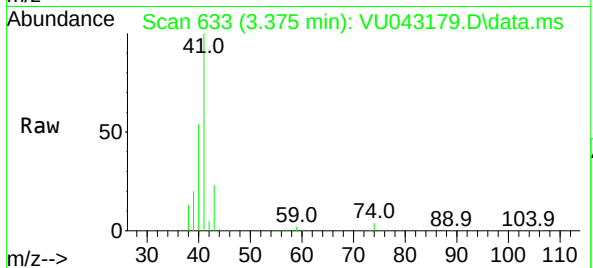
Acq: 16 Apr 2021 19:19

Tgt Ion: 73 Resp: 1673

Ion Ratio Lower Upper

73 100

57 6.8 18.8 28.2#



#29

Tetrahydrofuran

Concen: 3.68 ug/l

RT: 5.108 min Scan# 1172

Delta R.T. 0.054 min

Lab File: VU043179.D

Acq: 16 Apr 2021 19:19

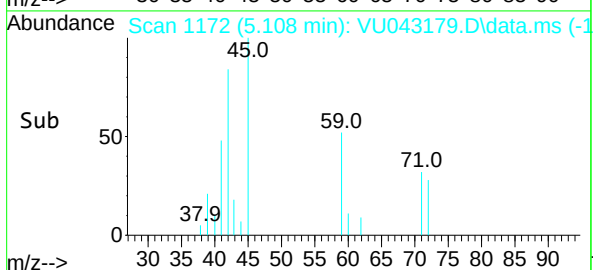
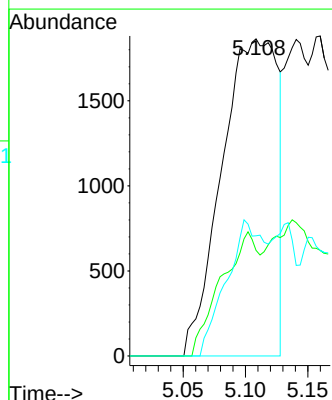
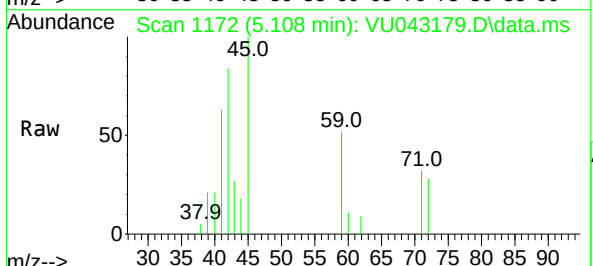
Tgt Ion: 42 Resp: 5778

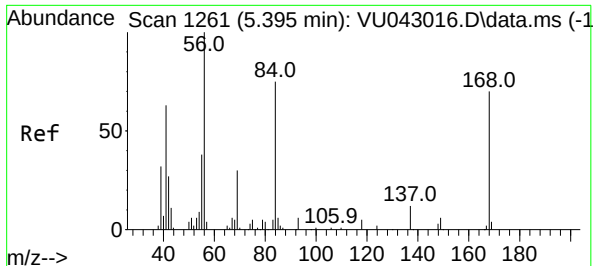
Ion Ratio Lower Upper

42 100

72 26.2 31.5 47.3#

71 29.4 29.5 44.3#





#31

Cyclohexane

Concen: 1.13 ug/l

RT: 5.362 min Scan# 1251

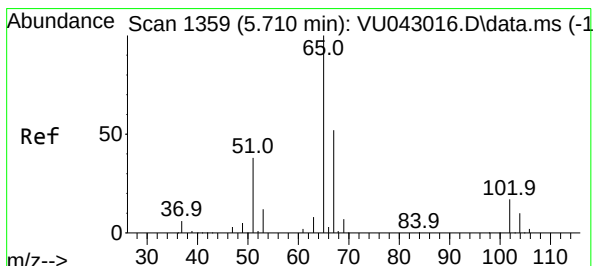
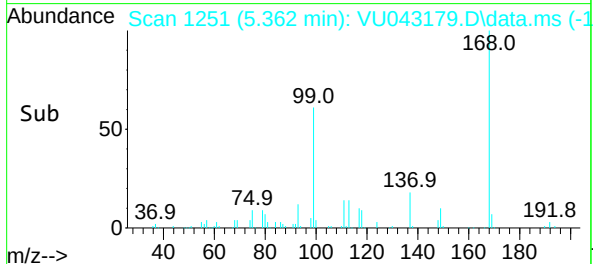
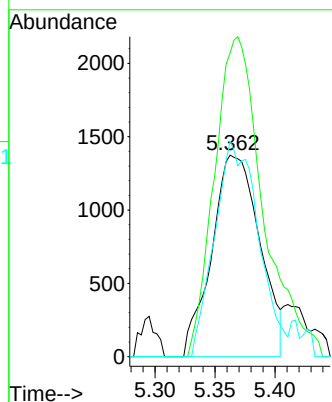
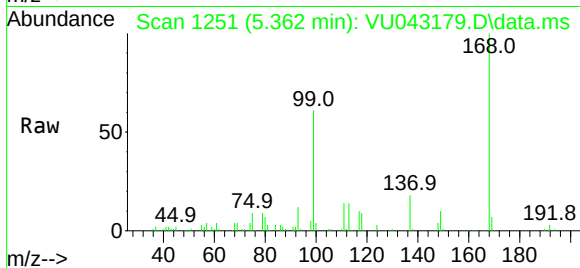
Delta R.T. -0.033 min

Lab File: VU043179.D

Acq: 16 Apr 2021 19:19

Tgt Ion:	56	Resp:	3830
Ion	Ratio	Lower	Upper
56	100		
69	150.6	24.9	37.3#
84	106.8	63.7	95.5#

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#33

1,2-Dichloroethane-d4

Concen: 48.40 ug/l

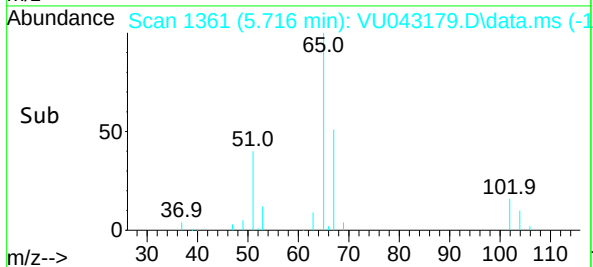
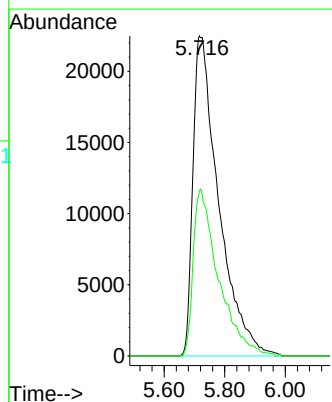
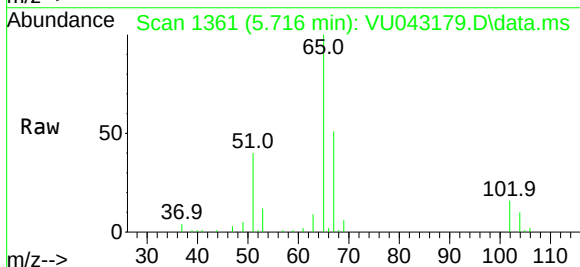
RT: 5.716 min Scan# 1361

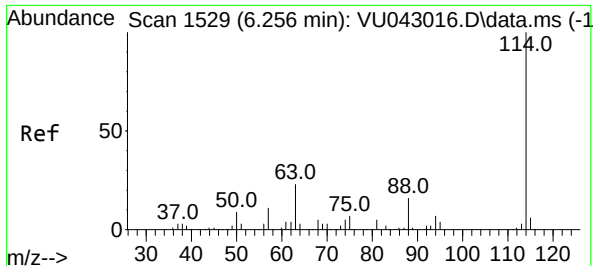
Delta R.T. 0.006 min

Lab File: VU043179.D

Acq: 16 Apr 2021 19:19

Tgt Ion:	65	Resp:	132680
Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	99.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. -0.003 min

Lab File: VU043179.D

Acq: 16 Apr 2021 19:19

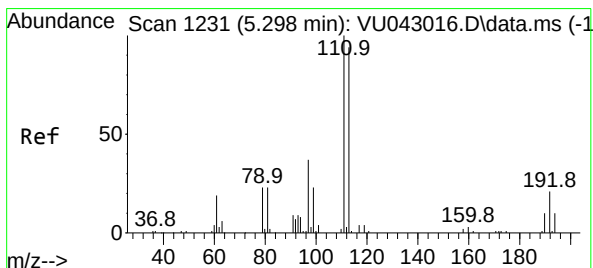
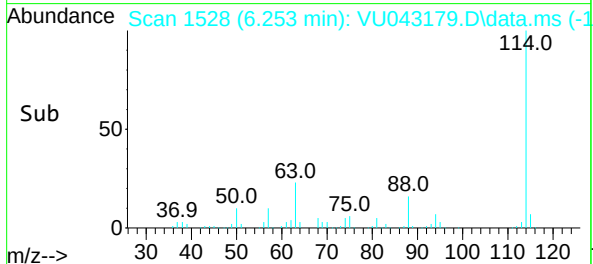
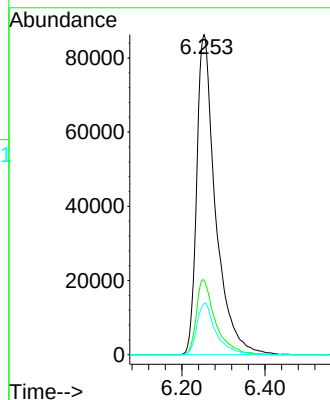
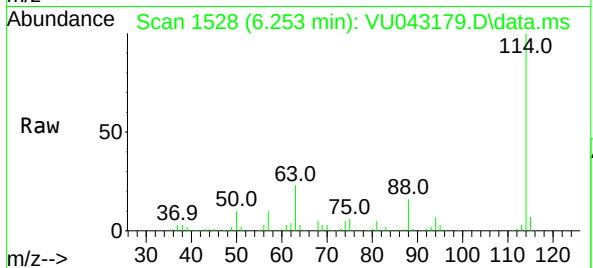
Tgt Ion:114 Resp: 271591

Ion Ratio Lower Upper

114 100

63 23.2 0.0 44.2

88 15.9 0.0 33.4



#35

Dibromofluoromethane

Concen: 38.88 ug/l

RT: 5.314 min Scan# 1236

Delta R.T. 0.016 min

Lab File: VU043179.D

Acq: 16 Apr 2021 19:19

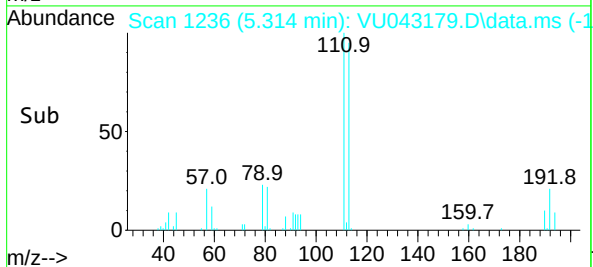
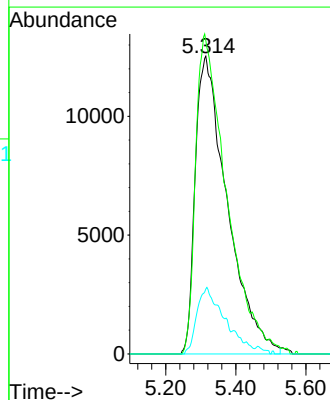
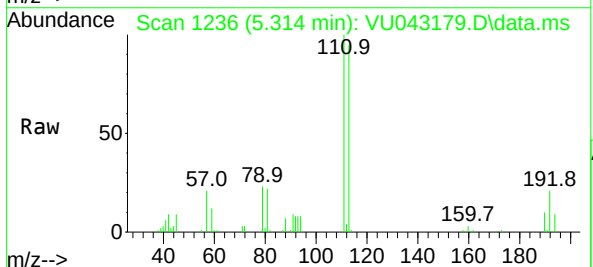
Tgt Ion:113 Resp: 79342

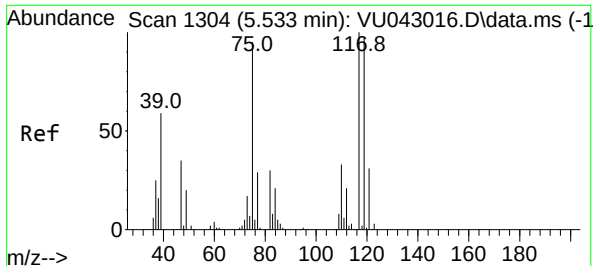
Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.8

192 16.6 17.2 25.8#





#36

1,1-Dichloropropene

Concen: 4.81 ug/l

RT: 5.366 min Scan# 1252

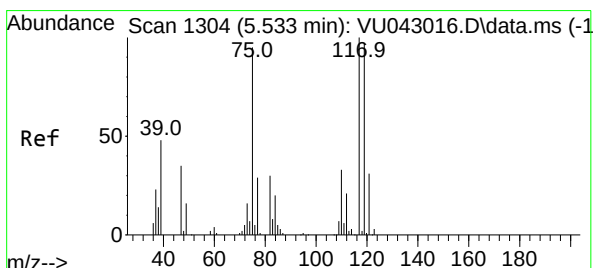
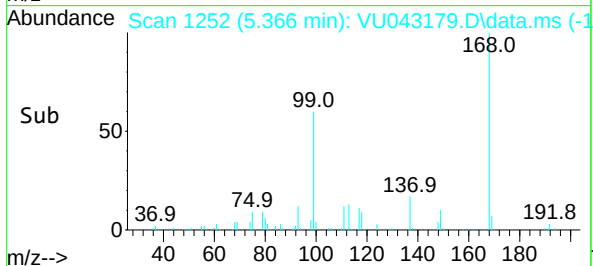
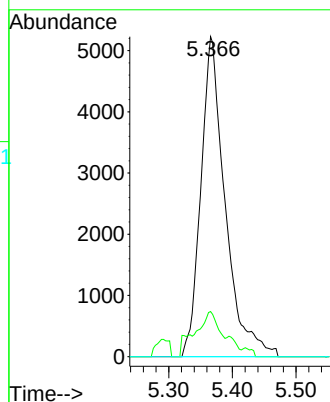
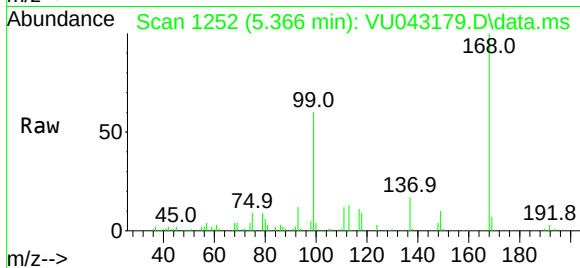
Delta R.T. -0.167 min

Lab File: VU043179.D

Acq: 16 Apr 2021 19:19

Tgt Ion:	75	Resp:	13865
Ion	Ratio	Lower	Upper
75	100		
110	5.8	16.8	50.3#
77	0.0	24.8	37.2#

Instrument :
MSVOA_U
ClientSampleId :
VOC-TRIP-A



#38

Carbon Tetrachloride

Concen: 5.33 ug/l

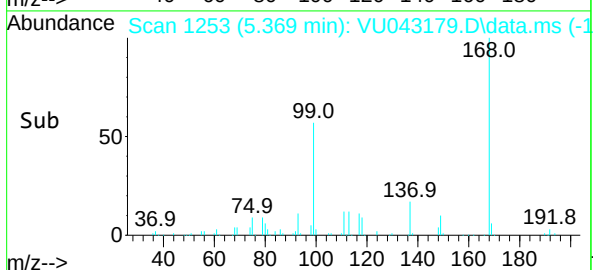
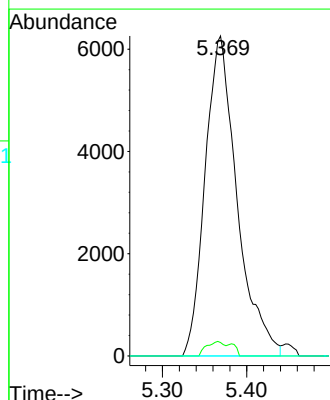
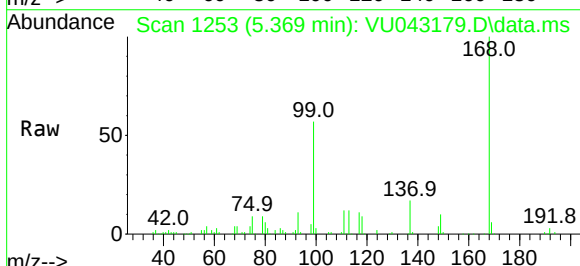
RT: 5.369 min Scan# 1253

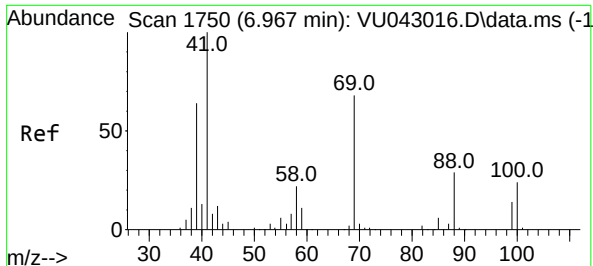
Delta R.T. -0.164 min

Lab File: VU043179.D

Acq: 16 Apr 2021 19:19

Tgt Ion:	117	Resp:	16480
Ion	Ratio	Lower	Upper
117	100		
119	4.2	75.5	113.3#
121	0.0	24.7	37.1#

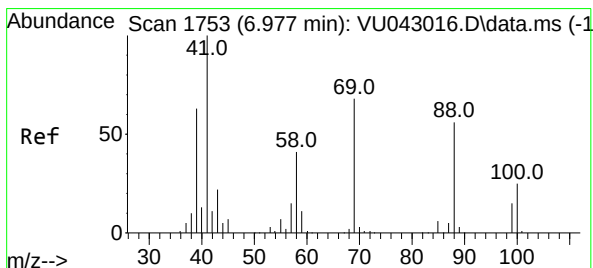
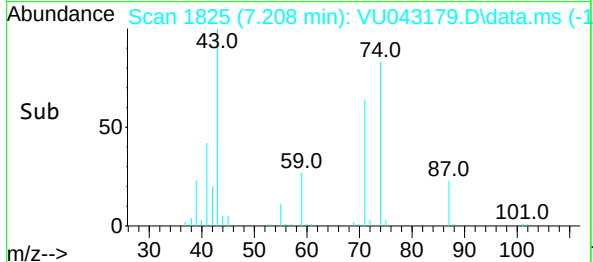
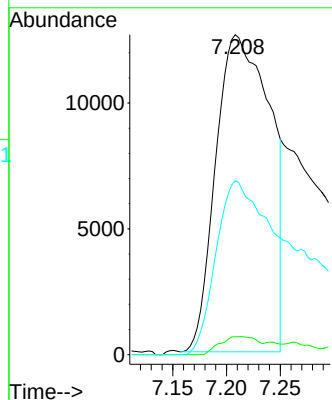
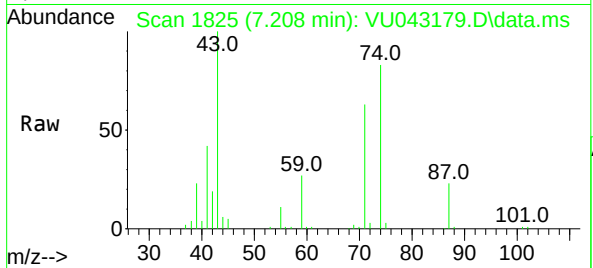




#48
Methyl methacrylate
Concen: 12.48 ug/l
RT: 7.208 min Scan# 1825
Delta R.T. 0.241 min
Lab File: VU043179.D
Acq: 16 Apr 2021 19:19

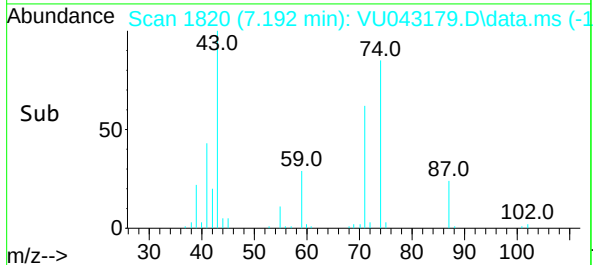
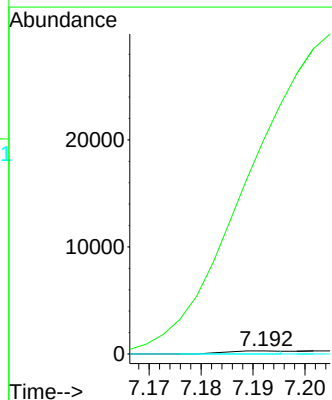
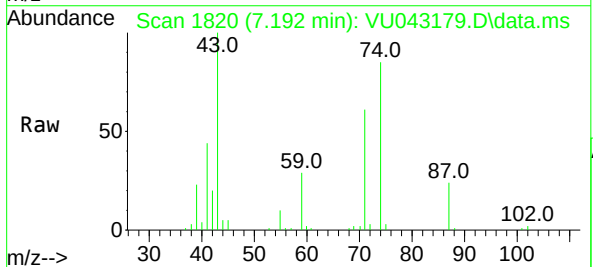
Instrument :
MSVOA_U
ClientSampleId :
VOC-TRIP-A

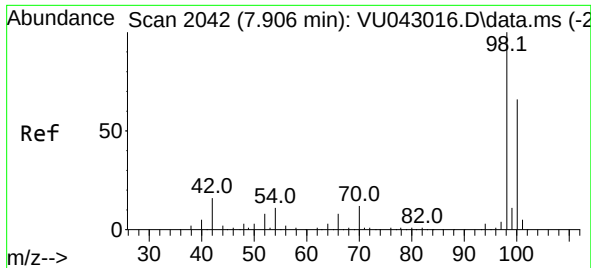
Tgt Ion: 41 Resp: 44028
Ion Ratio Lower Upper
41 100
69 4.0 57.0 85.6#
39 53.2 48.4 72.6



#49
1,4-Dioxane
Concen: 3.06 ug/l
RT: 7.192 min Scan# 1820
Delta R.T. 0.215 min
Lab File: VU043179.D
Acq: 16 Apr 2021 19:19

Tgt Ion: 88 Resp: 216
Ion Ratio Lower Upper
88 100
43 53076.9 0.0 0.0#
58 0.0 60.4 90.6#

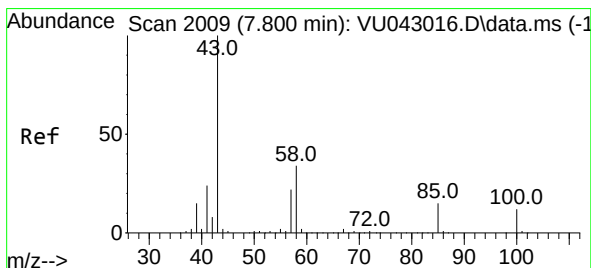
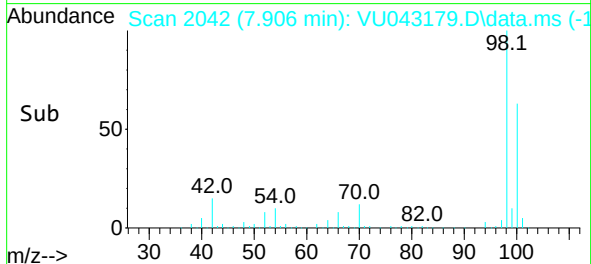
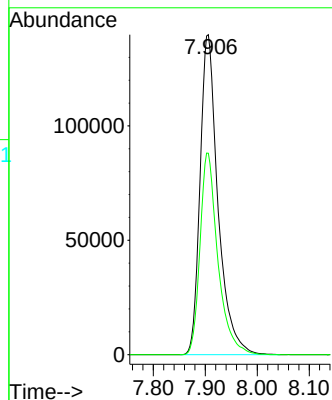
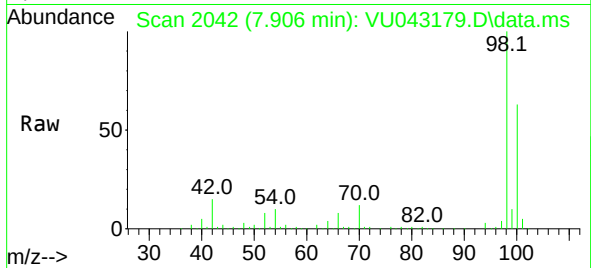




#50
Toluene-d8
Concen: 46.44 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043179.D
Acq: 16 Apr 2021 19:19

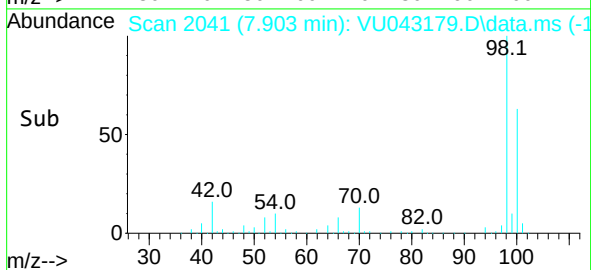
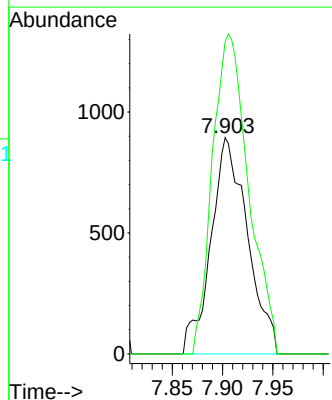
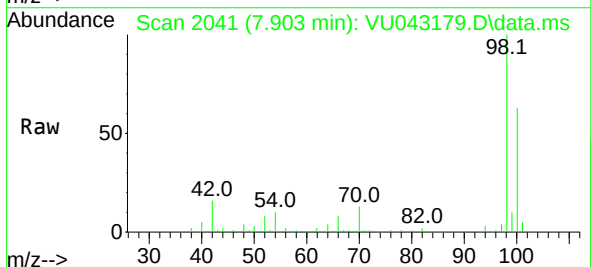
Instrument :
MSVOA_U
ClientSampleId :
VOC-TRIP-A

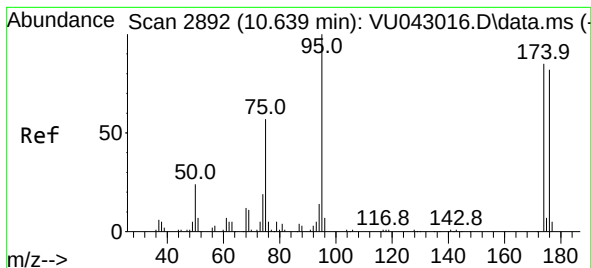
Tgt Ion: 98 Resp: 335331
Ion Ratio Lower Upper
98 100
100 62.8 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 0.43 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.103 min
Lab File: VU043179.D
Acq: 16 Apr 2021 19:19

Tgt Ion: 43 Resp: 2257
Ion Ratio Lower Upper
43 100
58 146.7 28.1 42.1#

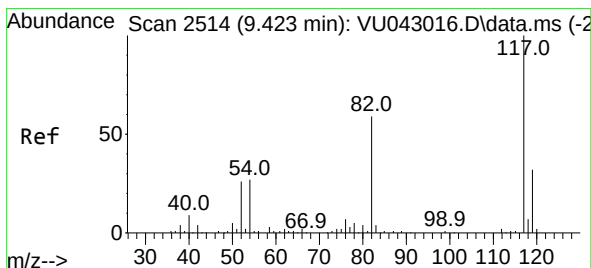
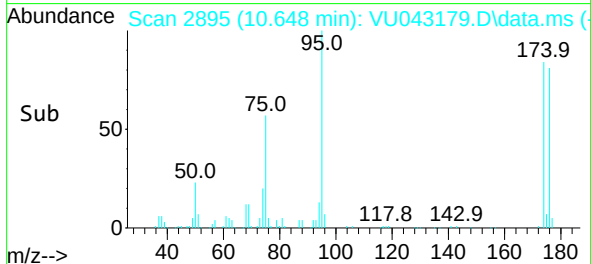
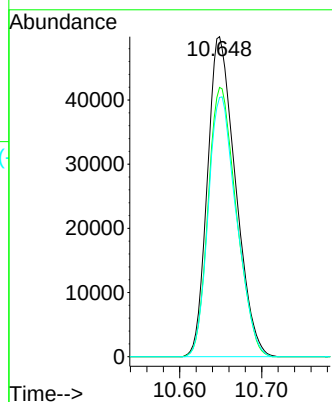
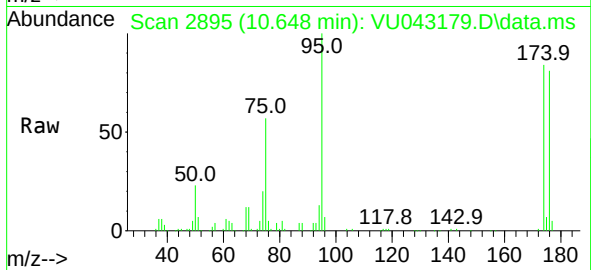




#62
4-Bromofluorobenzene
Concen: 41.01 ug/l
RT: 10.648 min Scan# 2895
Delta R.T. 0.009 min
Lab File: VU043179.D
Acq: 16 Apr 2021 19:19

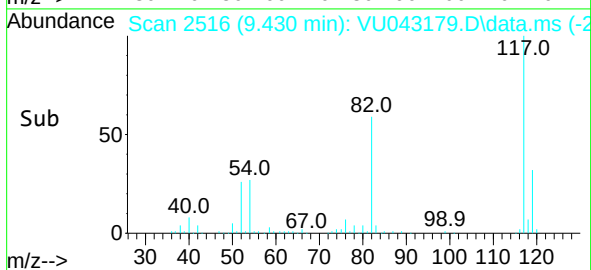
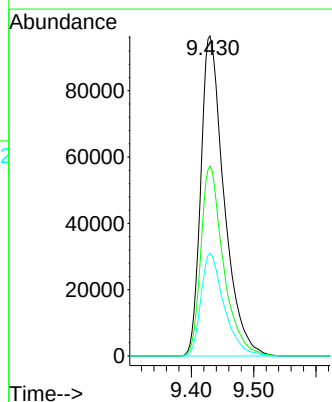
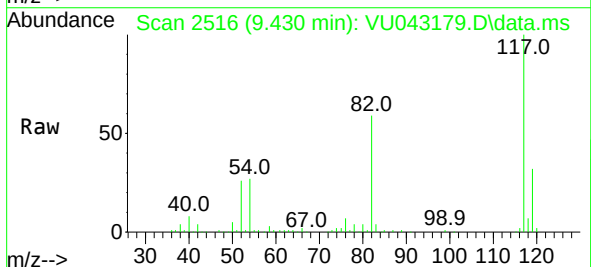
Instrument :
MSVOA_U
ClientSampleId :
VOC-TRIP-A

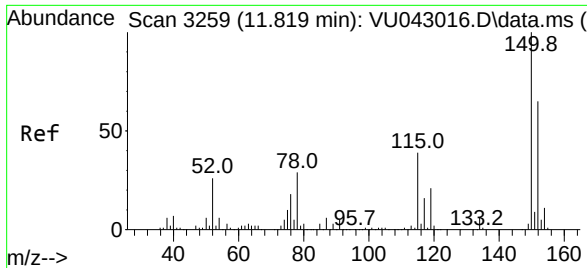
Tgt Ion: 95 Resp: 118593
Ion Ratio Lower Upper
95 100
174 84.2 0.0 172.2
176 81.7 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.430 min Scan# 2516
Delta R.T. 0.007 min
Lab File: VU043179.D
Acq: 16 Apr 2021 19:19

Tgt Ion: 117 Resp: 249752
Ion Ratio Lower Upper
117 100
82 59.3 45.8 68.6
119 32.2 25.8 38.8

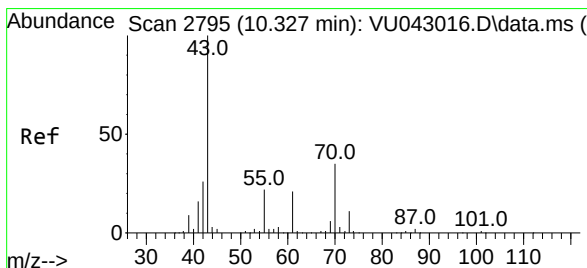
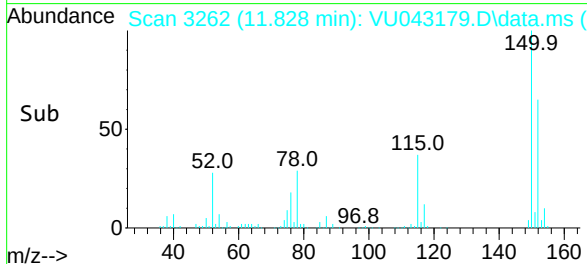
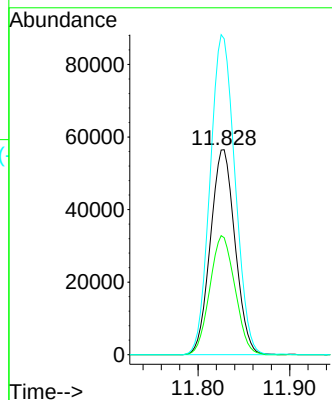
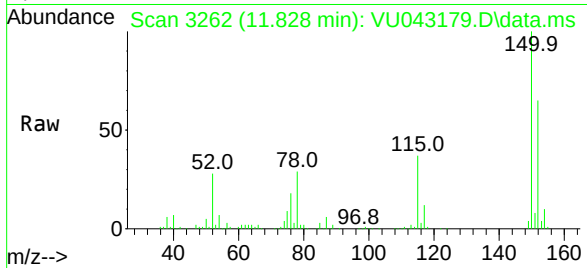




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.828 min Scan# 3262
Delta R.T. 0.009 min
Lab File: VU043179.D
Acq: 16 Apr 2021 19:19

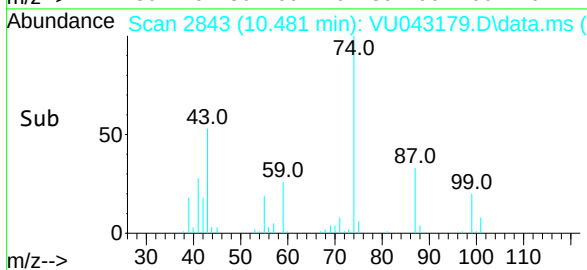
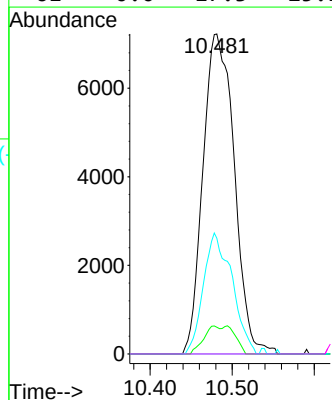
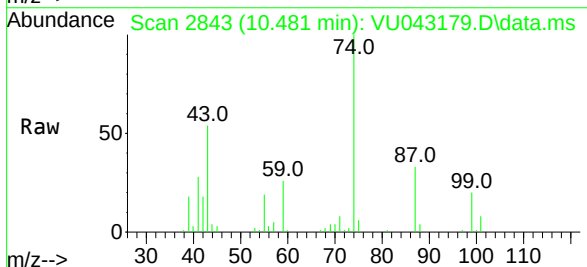
Instrument :
MSVOA_U
ClientSampleId :
VOC-TRIP-A

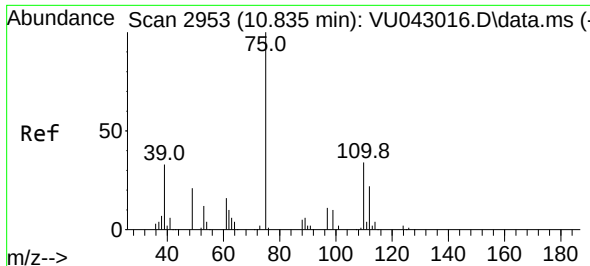
Tgt Ion:152 Resp: 105512
Ion Ratio Lower Upper
152 100
115 59.2 41.5 124.6
150 157.6 0.0 342.4



#74
N-ethyl acetate
Concen: 4.20 ug/l
RT: 10.481 min Scan# 2843
Delta R.T. 0.154 min
Lab File: VU043179.D
Acq: 16 Apr 2021 19:19

Tgt Ion: 43 Resp: 19117
Ion Ratio Lower Upper
43 100
70 4.5 28.3 42.5#
55 34.6 17.2 25.8#
61 0.0 17.3 25.9#

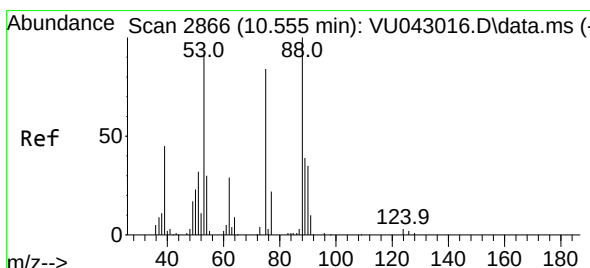
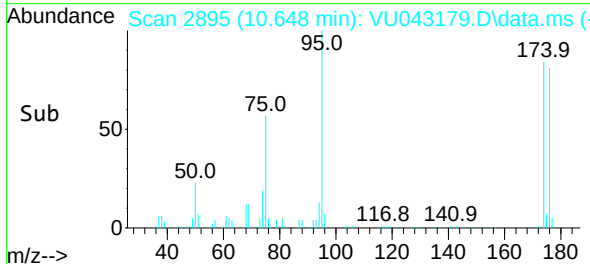
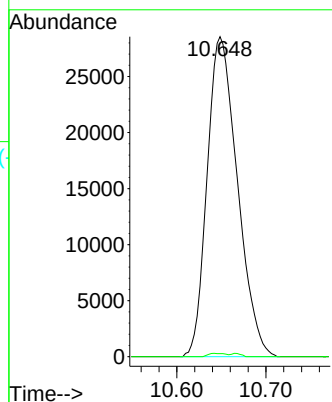
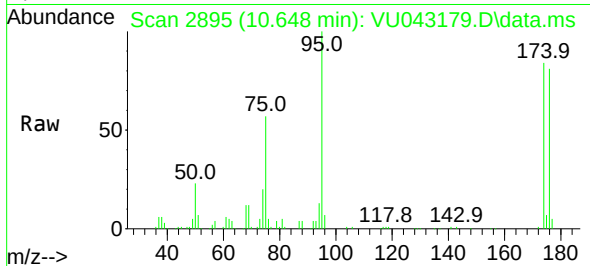




#76
1,2,3-Trichloropropane
Concen: 21.87 ug/l
RT: 10.648 min Scan# 2895
Delta R.T. -0.187 min
Lab File: VU043179.D
Acq: 16 Apr 2021 19:19

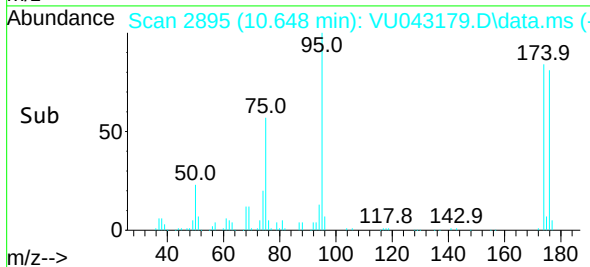
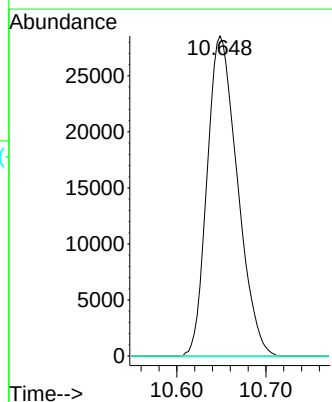
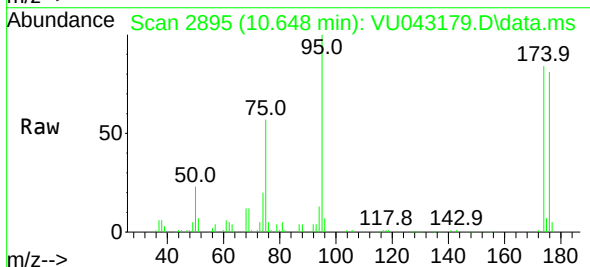
Instrument :
MSVOA_U
ClientSampleId :
VOC-TRIP-A

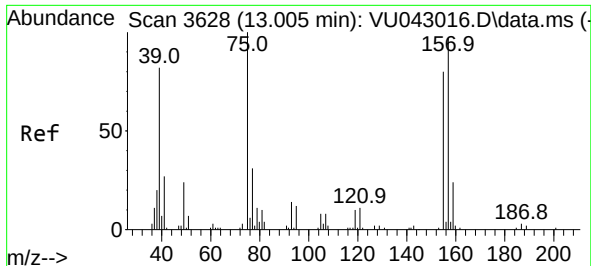
Tgt Ion: 75 Resp: 67420
Ion Ratio Lower Upper
75 100
77 0.6 20.2 60.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.25 ug/l
RT: 10.648 min Scan# 2895
Delta R.T. 0.093 min
Lab File: VU043179.D
Acq: 16 Apr 2021 19:19

Tgt Ion: 75 Resp: 67420
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#

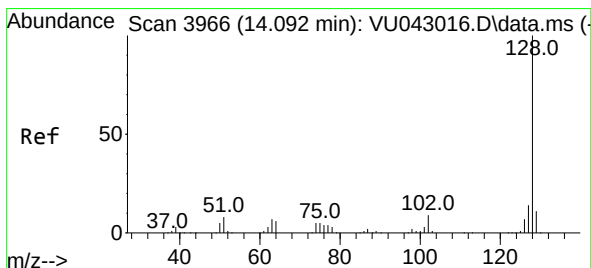
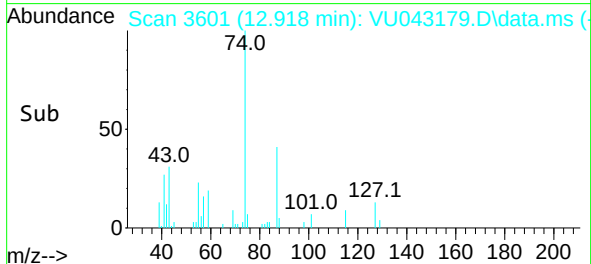
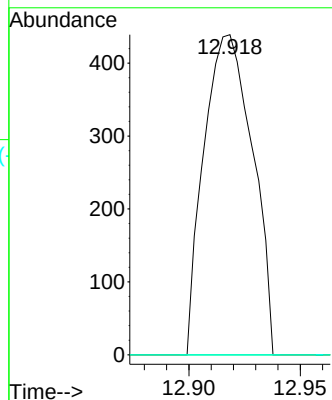
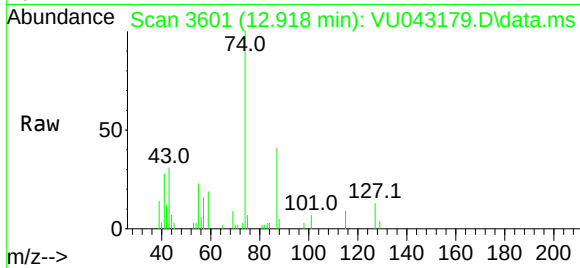




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.76 ug/l
RT: 12.918 min Scan# 3601
Delta R.T. -0.087 min
Lab File: VU043179.D
Acq: 16 Apr 2021 19:19

Instrument :
MSVOA_U
ClientSampleId :
VOC-TRIP-A

Tgt Ion: 75 Resp: 666
Ion Ratio Lower Upper
75 100
155 0.0 41.7 125.1#
157 0.0 53.9 161.7#



#95
Naphthalene
Concen: 3.34 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU043179.D
Acq: 16 Apr 2021 19:19

Tgt Ion: 128 Resp: 4801
Ion Ratio Lower Upper
128 100
127 12.4 10.8 16.2
129 7.2 8.6 13.0#

