

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051120\
 Data File : VU038103.D
 Acq On : 11 May 2020 14:08
 Operator : JC/MD
 Sample : L2578-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSF1

Quant Time: May 12 01:12:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 12 01:10:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	721296	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	710763	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	335984	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	223554	35.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.48%
7) Chloroethane-d5	1.93	69	206946	40.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.20%
11) 1,1-Dichloroethene-d2	2.59	63	403394	38.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.74%
21) 2-Butanone-d5	4.66	46	455034	91.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.76%
24) Chloroform-d	5.10	84	413482	42.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.18%
26) 1,2-Dichloroethane-d4	5.74	65	291783	42.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.52%
32) Benzene-d6	5.76	84	879966	42.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.00%
36) 1,2-Dichloropropane-d6	6.72	67	306646	44.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.30%
41) Toluene-d8	7.92	98	799002	41.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.16%
43) trans-1,3-Dichloropropene-	8.20	79	138066	42.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.78%
47) 2-Hexanone-d5	8.65	63	289051	95.68	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.68%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	436662	43.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.26%
64) 1,2-Dichlorobenzene-d4	12.20	152	304230	43.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.62%

Target Compounds

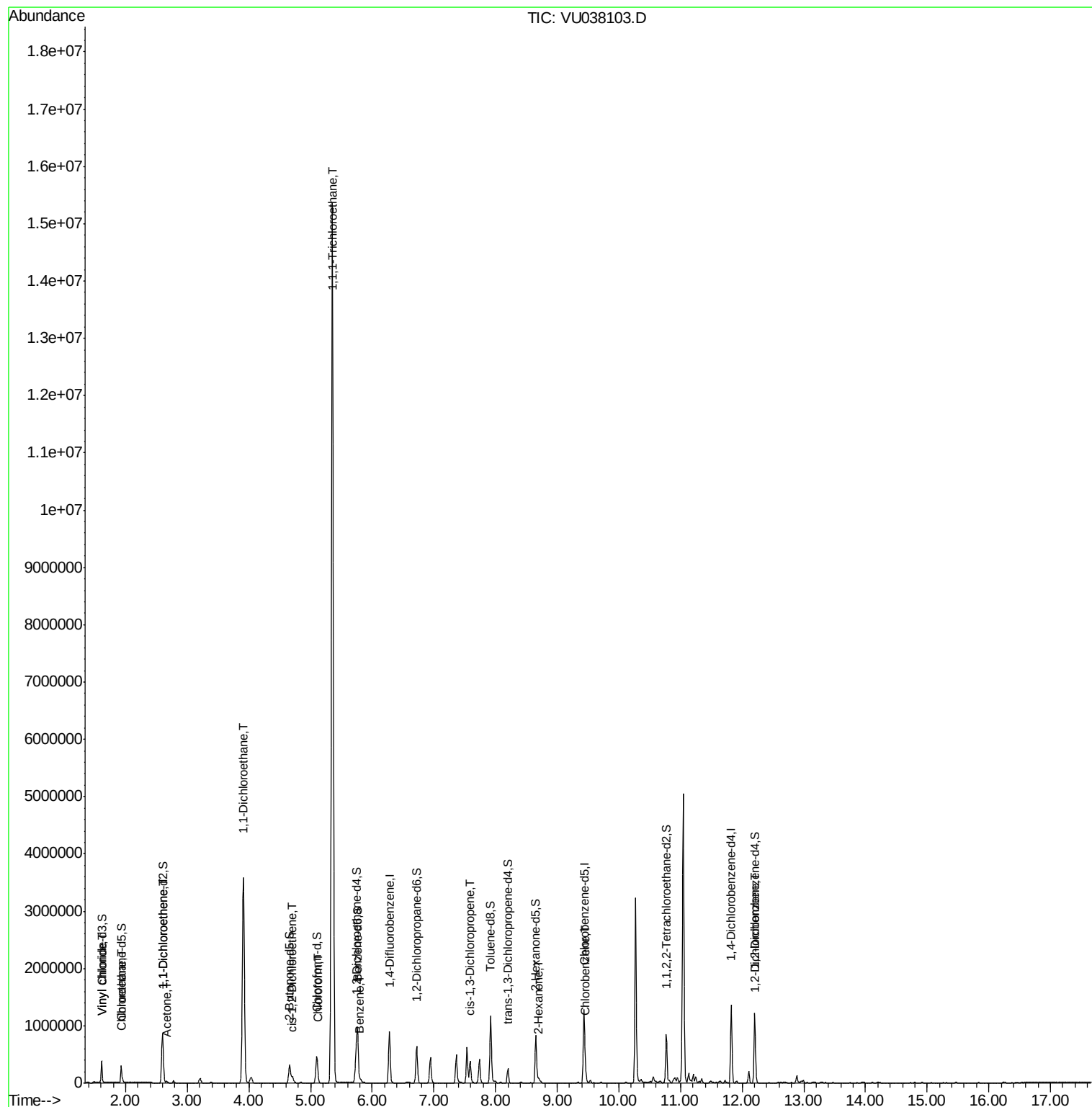
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	39203	5.425	ug/L	85
8) Chloroethane	1.95	64	32025	7.369	ug/L	96
12) 1,1-Dichloroethene	2.61	96	191902	40.622	ug/L	99
13) Acetone	2.65	43	6093	1.908	ug/L	94
19) 1,1-Dichloroethane	3.91	63	4239303	417.244	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	47808	8.477	ug/L	94
25) Chloroform	5.12	83	10455	1.072	ug/L	89
30) 1,1,1-Trichloroethane	5.35	97	10976128	1389.270	ug/L	98
33) Benzene	5.81	78	48086	2.164	ug/L	100
39) cis-1,3-Dichloropropene	7.59	75	8131	0.893	ug/L #	65
48) 2-Hexanone	8.71	43	45953	5.793	ug/L	93
51) Chlorobenzene	9.47	112	66662	4.586	ug/L	93
65) 1,2-Dichlorobenzene	12.22	146	23542	2.169	ug/L	94

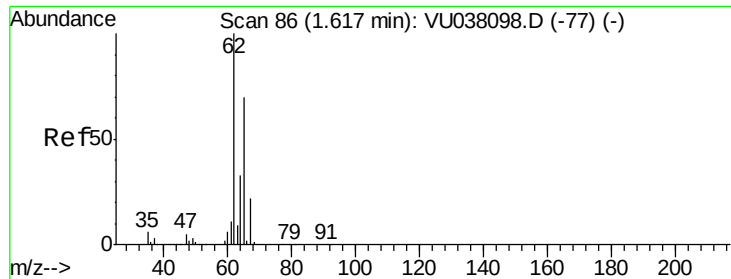
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 12 01:10:23 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.425 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038103.D

Acq: 11 May 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

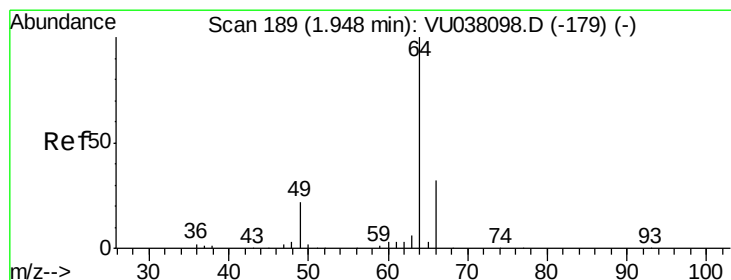
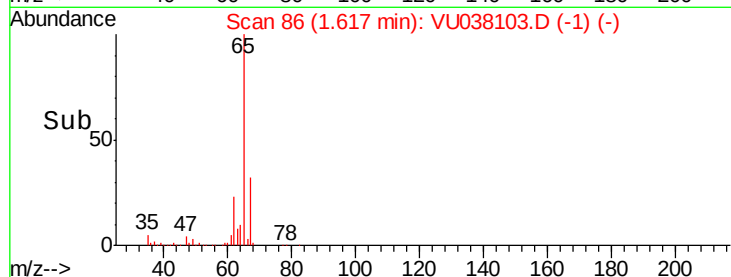
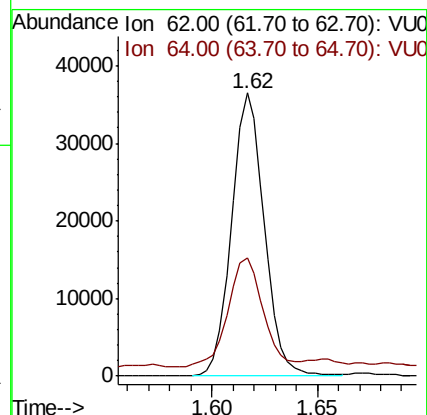
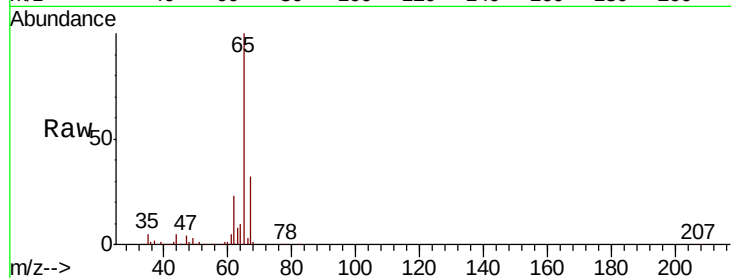
BFSF1

Tot Ion: 62 Resp: 39203

Ion Ratio Lower Upper

62 100

64 41.8 23.2 43.2



#8

Chloroethane

Concen: 7.369 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU038103.D

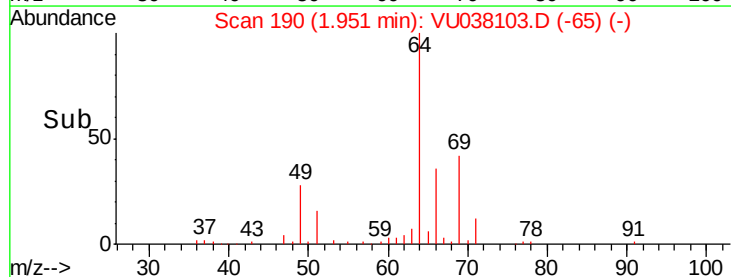
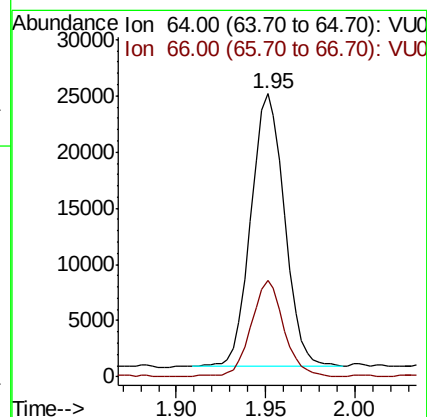
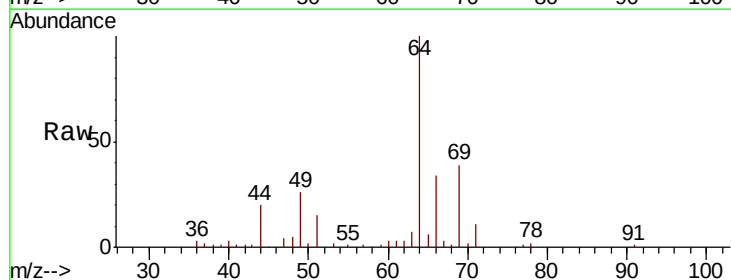
Acq: 11 May 2020 14:08

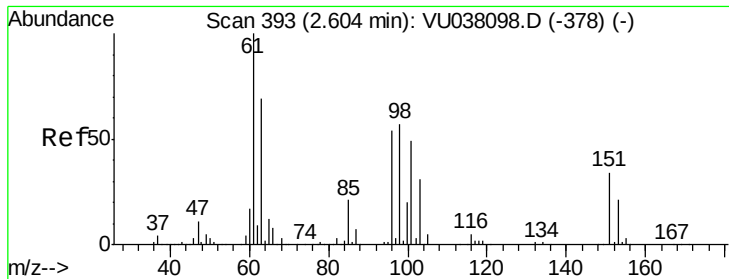
Tgt Ion: 64 Resp: 32025

Ion Ratio Lower Upper

64 100

66 34.2 22.5 41.7

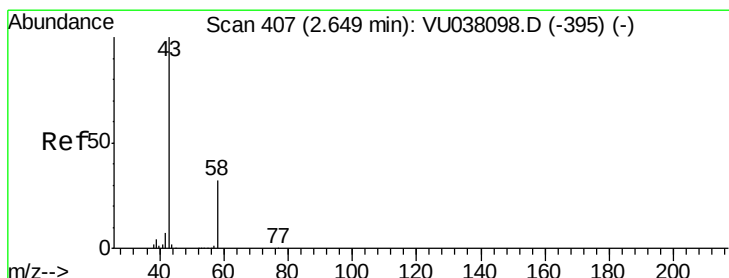
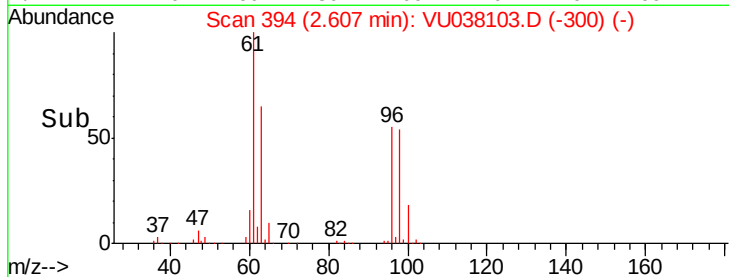
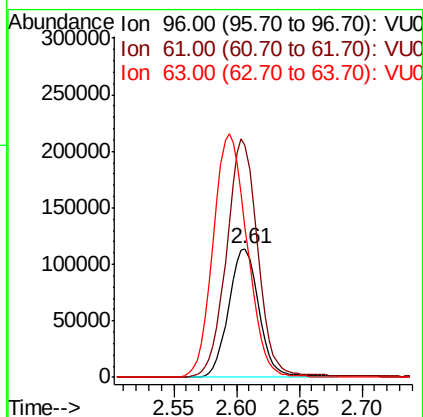
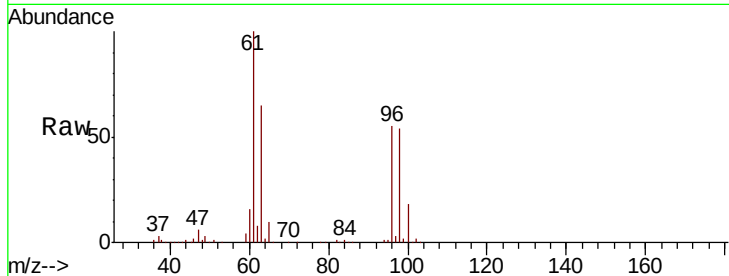




#12
 1,1-Dichloroethene
 Concen: 40.622 ug/L
 RT: 2.61 min Scan# 394
 Delta R.T. 0.00 min
 Lab File: VU038103.D
 Acq: 11 May 2020 14:08

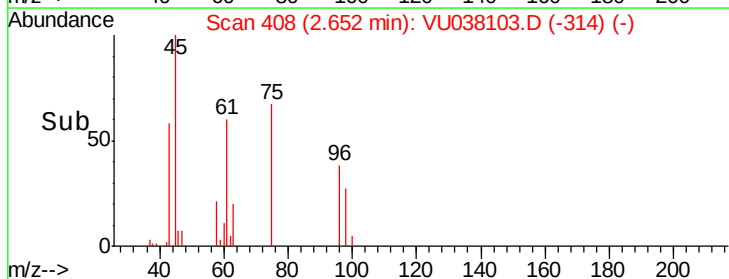
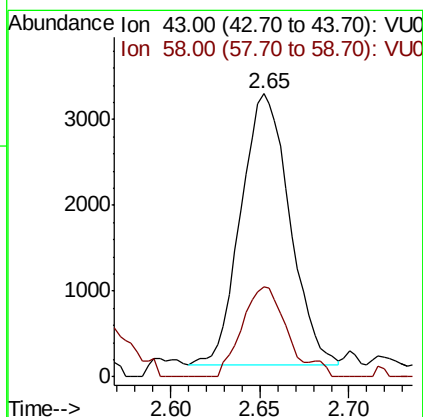
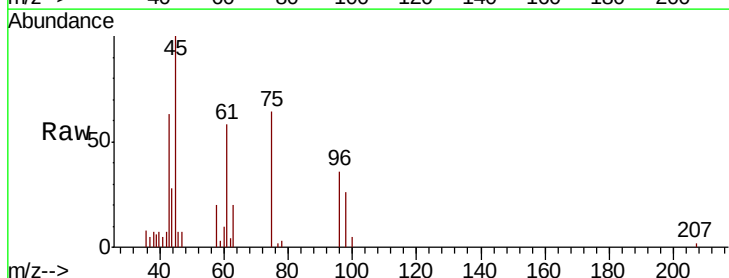
Instrument :
 MSVOA_U
 ClientSampleId :
 BFSF1

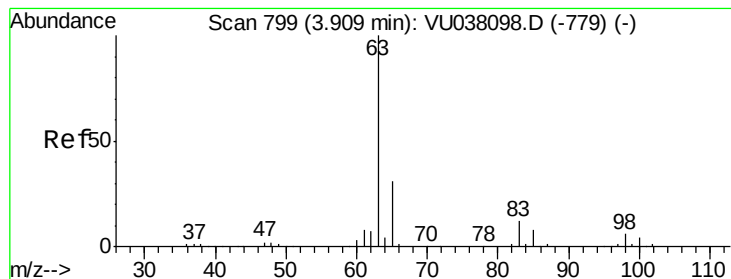
Tot Ion:	96	Resp:	191902
Ion	Ratio	Lower	Upper
96	100		
61	180.6	126.1	234.3
63	116.7	83.4	154.8



#13
 Acetone
 Concen: 1.908 ug/L
 RT: 2.65 min Scan# 408
 Delta R.T. 0.00 min
 Lab File: VU038103.D
 Acq: 11 May 2020 14:08

Tgt Ion:	43	Resp:	6093
Ion	Ratio	Lower	Upper
43	100		
58	28.8	0.0	64.4





#19

1,1-Dichloroethane

Concen: 417.244 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU038103.D

Acq: 11 May 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

BFSF1

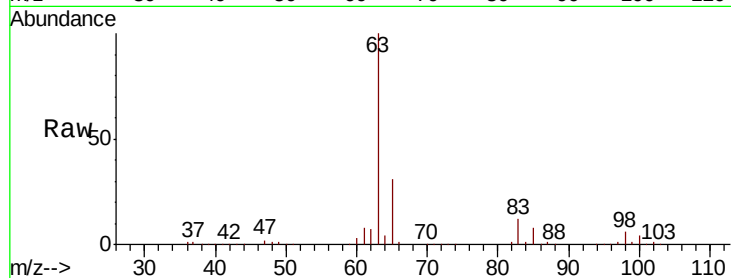
Tot Ion: 63 Resp: 4239303

Ion Ratio Lower Upper

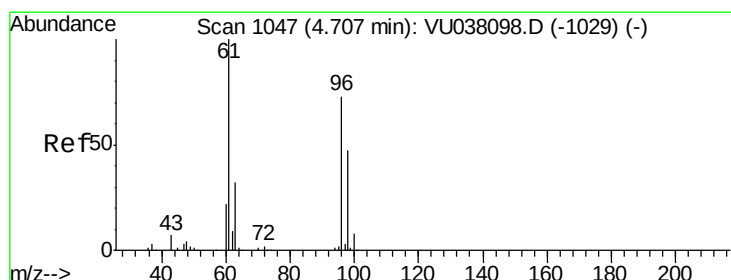
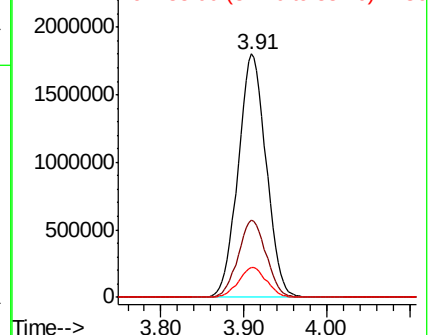
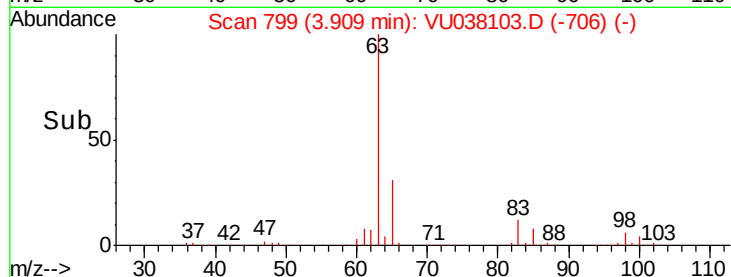
63 100

65 31.5 22.5 41.7

83 12.3 8.5 15.7



Abundance Ion 63.00 (62.70 to 63.70): VU038103.D (-706) (-)



#20

cis-1,2-Dichloroethene

Concen: 8.477 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038103.D

Acq: 11 May 2020 14:08

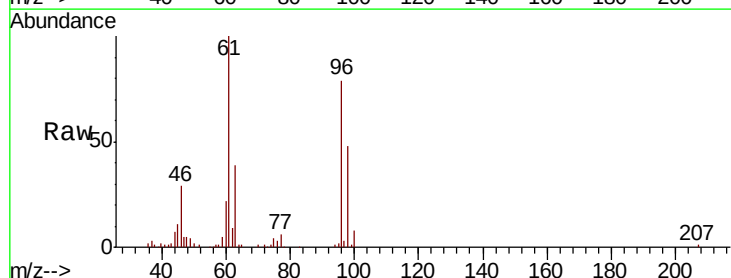
Tgt Ion: 96 Resp: 47808

Ion Ratio Lower Upper

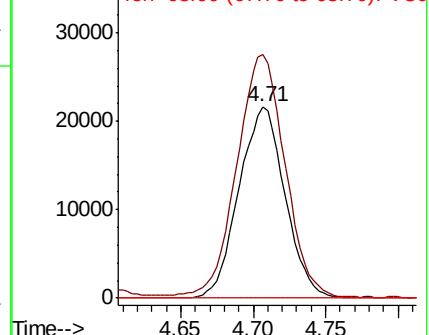
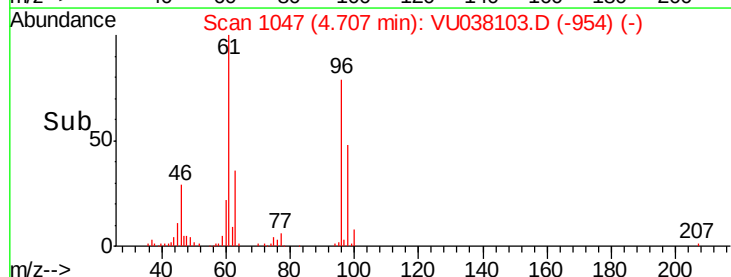
96 100

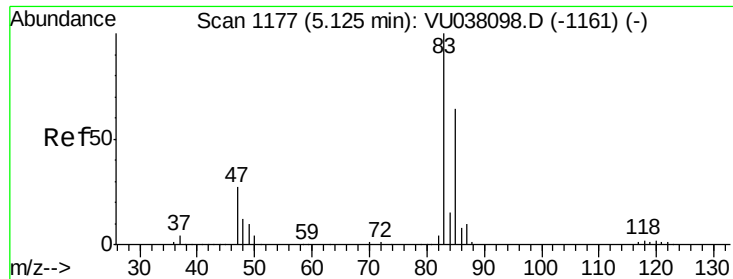
61 127.1 93.9 174.3

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038103.D (-954) (-)

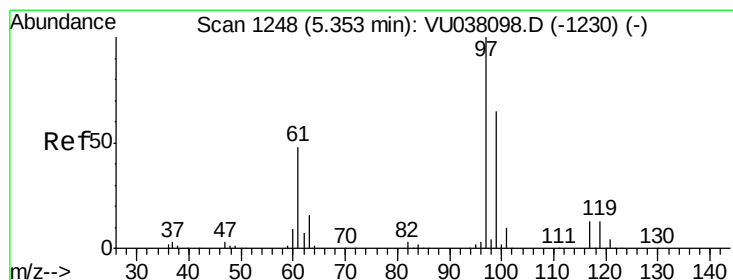
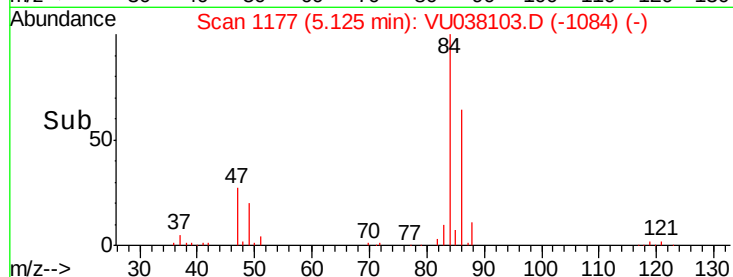
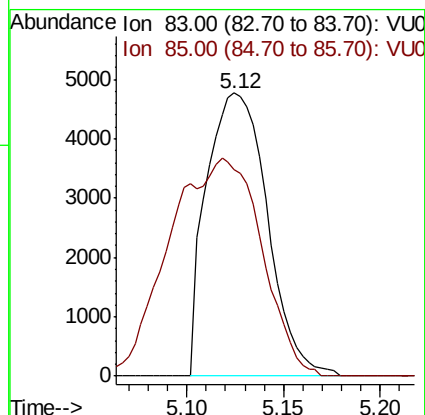
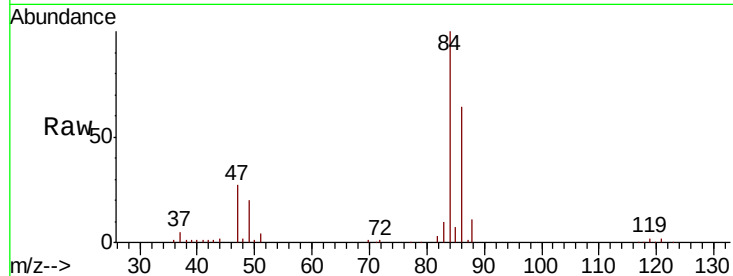




#25
Chloroform
Concen: 1.072 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038103.D
Acq: 11 May 2020 14:08

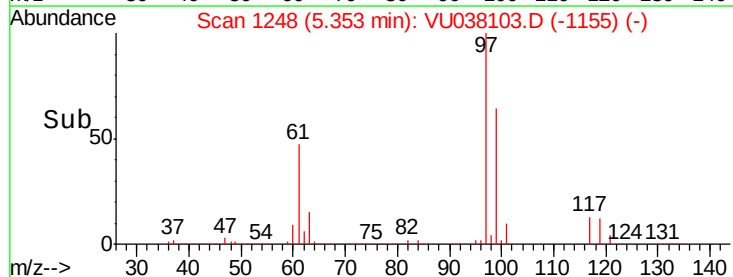
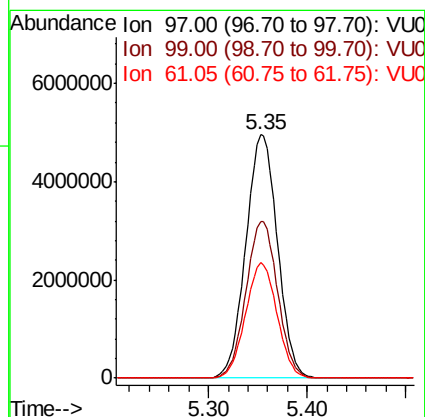
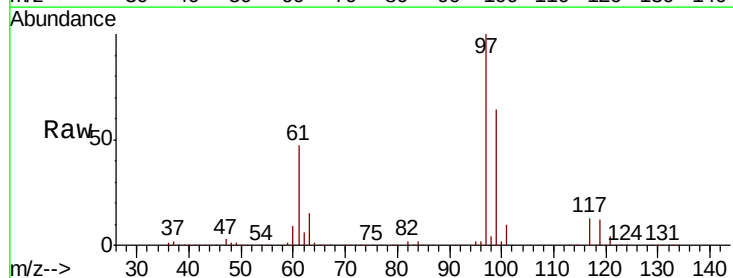
Instrument :
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ClientSampleId :
BFSF1

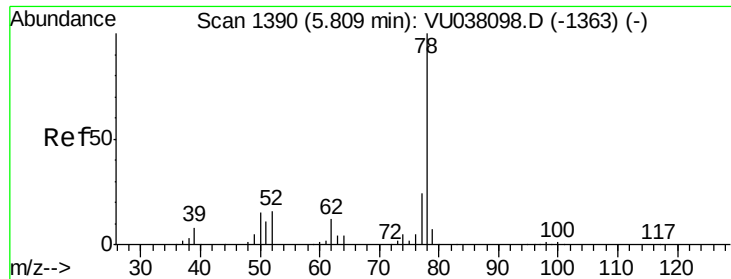
Tot Ion: 83 Resp: 10455
Ion Ratio Lower Upper
83 100
85 73.2 45.0 83.6



#30
1,1,1-Trichloroethane
Concen: 1389.270 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU038103.D
Acq: 11 May 2020 14:08

Tgt Ion: 97 Resp: 10976128
Ion Ratio Lower Upper
97 100
99 64.3 50.5 75.7
61 47.3 38.8 58.2





#33

Benzene

Concen: 2.164 ug/L

RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VU038103.D

Acq: 11 May 2020 14:08

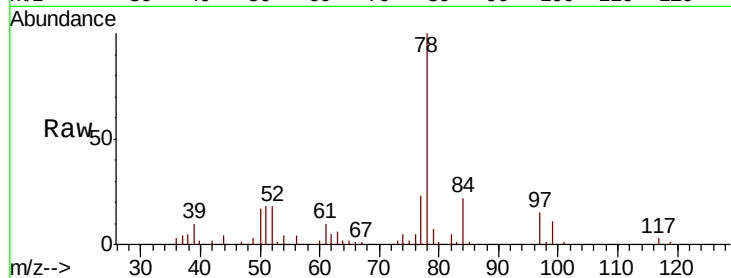
Instrument :

MSVOA_U

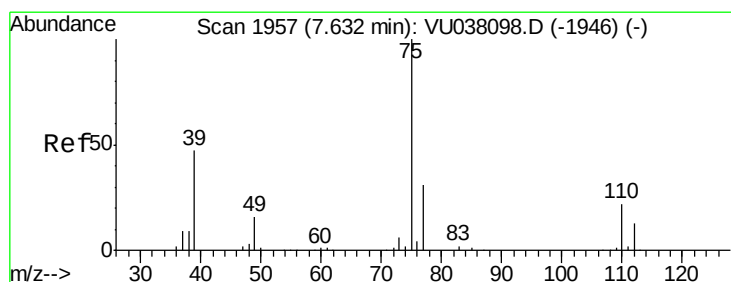
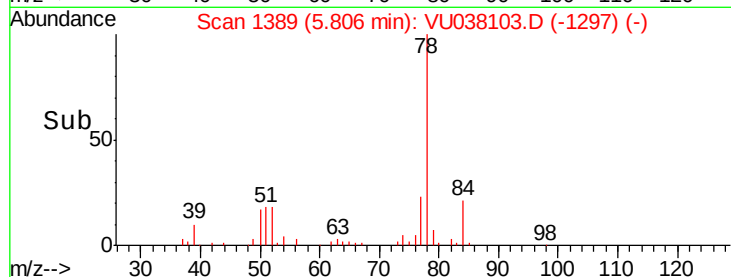
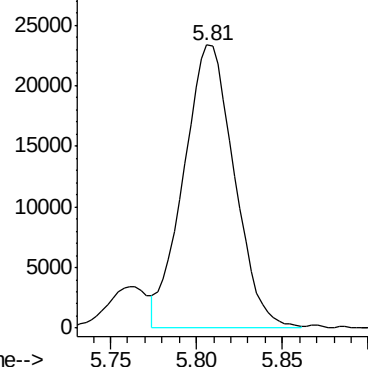
ClientSampleId :

BFSF1

Tgt Ion: 78 Resp: 48086



Abundance Ion 78.00 (77.70 to 78.70): VU0



#39

cis-1,3-Dichloropropene

Concen: 0.893 ug/L

RT: 7.59 min Scan# 1943

Delta R.T. -0.05 min

Lab File: VU038103.D

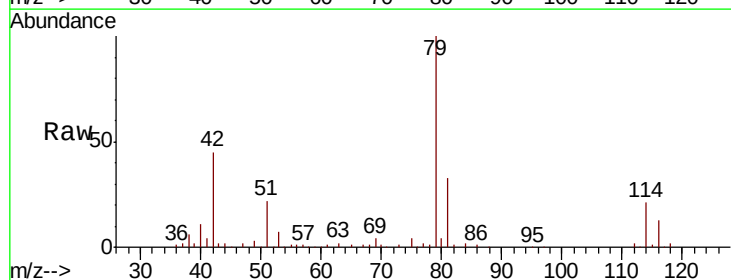
Acq: 11 May 2020 14:08

Tgt Ion: 75 Resp: 8131

Ion Ratio Lower Upper

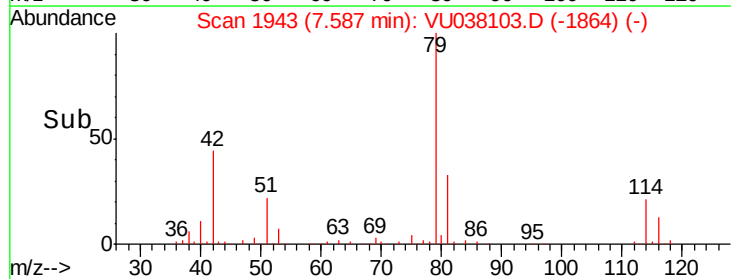
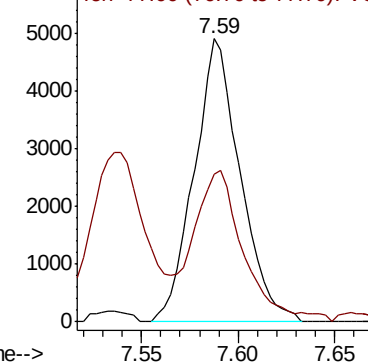
75 100

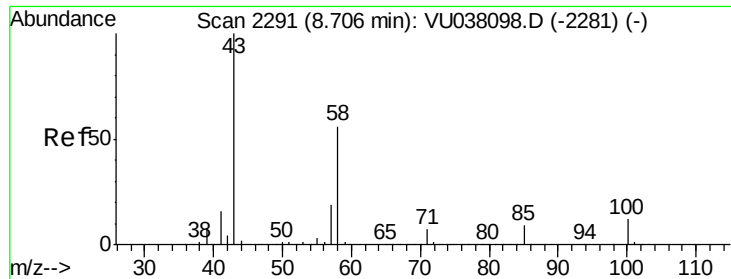
77 52.1 22.6 42.0#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

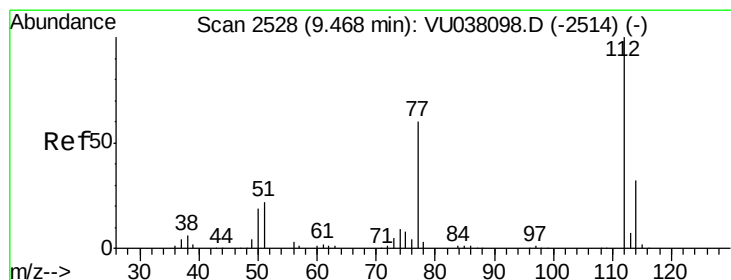
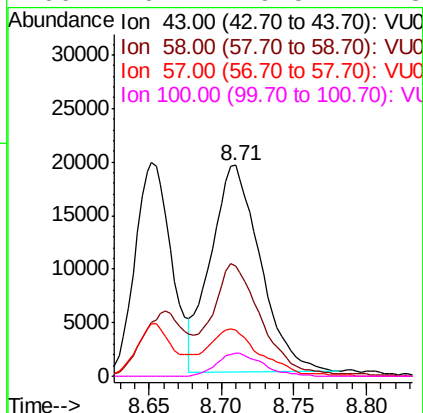
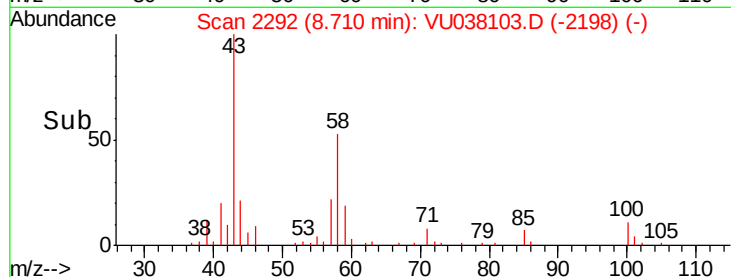
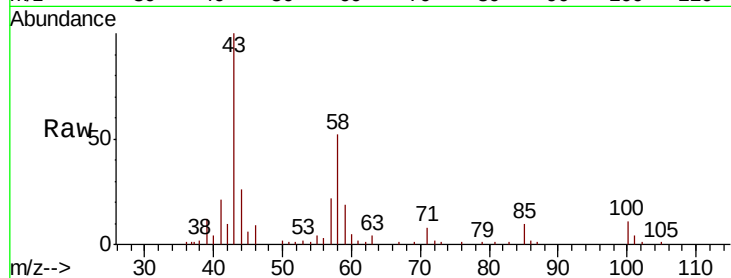




#48
2-Hexanone
Concen: 5.793 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038103.D
Acq: 11 May 2020 14:08

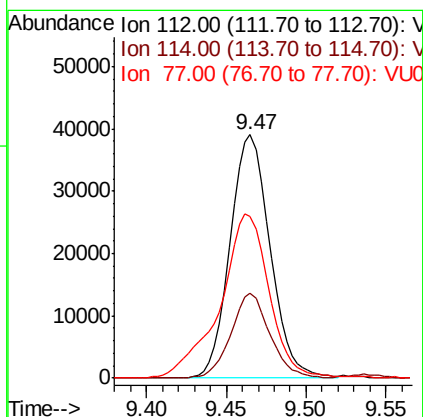
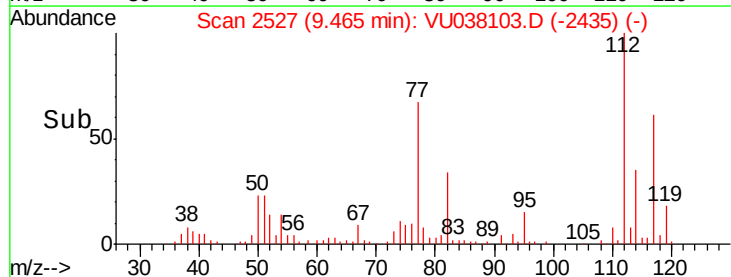
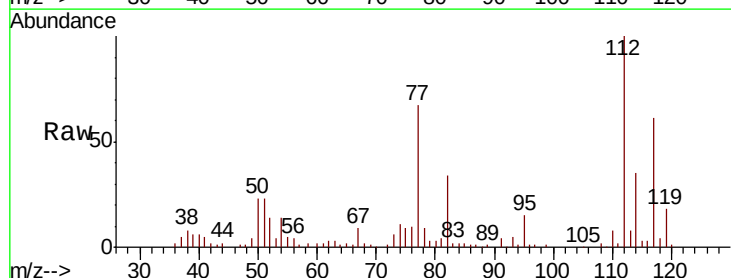
Instrument :
MSVOA_U
ClientSampleId :
BFSF1

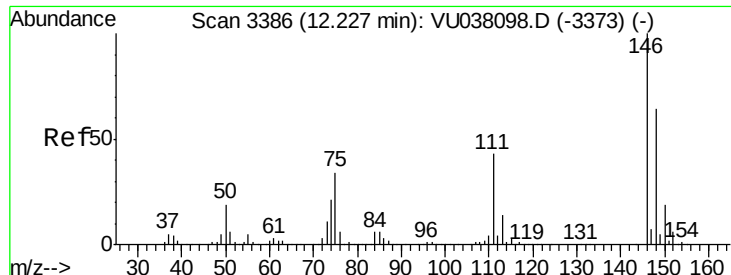
Tot Ion:	43	Resp:	45953
Ion	Ratio	Lower	Upper
43	100		
58	50.4	46.4	69.6
57	20.9	16.4	24.6
100	10.2	9.5	14.3



#51
Chlorobenzene
Concen: 4.586 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038103.D
Acq: 11 May 2020 14:08

Tgt Ion:	112	Resp:	66662
Ion	Ratio	Lower	Upper
112	100		
114	35.1	21.6	40.2
77	66.7	49.3	73.9





#65

1,2-Dichlorobenzene

Concen: 2.169 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038103.D

Acq: 11 May 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

BFSF1

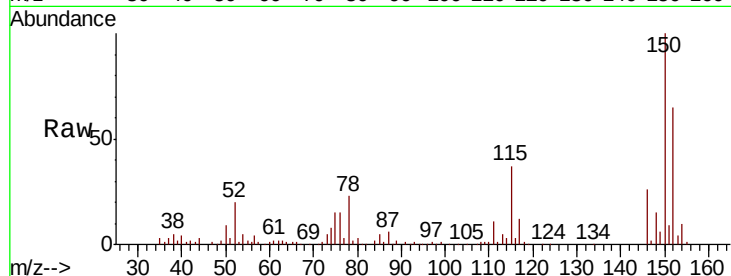
Tot Ion:146 Resp: 23542

Ion Ratio Lower Upper

146 100

111 40.5 34.6 51.8

148 56.8 50.1 75.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

