

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051120\
 Data File : VU038102.D
 Acq On : 11 May 2020 13:45
 Operator : JC/MD
 Sample : L2578-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSE9

Quant Time: May 12 01:43:45 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	685524	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	685123	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	327329	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	211575	35.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.18%
7) Chloroethane-d5	1.93	69	198495	40.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.94%
11) 1,1-Dichloroethene-d2	2.59	63	393393	39.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.76%
21) 2-Butanone-d5	4.66	46	405650	86.07	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.07%
24) Chloroform-d	5.10	84	389513	41.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.44%
26) 1,2-Dichloroethane-d4	5.74	65	270949	41.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.56%
32) Benzene-d6	5.76	84	828200	41.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.02%
36) 1,2-Dichloropropane-d6	6.72	67	284144	42.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.88%
41) Toluene-d8	7.92	98	753696	40.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.38%
43) trans-1,3-Dichloropropene-	8.20	79	126058	40.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.30%
47) 2-Hexanone-d5	8.65	63	237992	81.73	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.73%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	406282	42.11	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.22%
64) 1,2-Dichlorobenzene-d4	12.20	152	288723	42.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.38%

Target Compounds

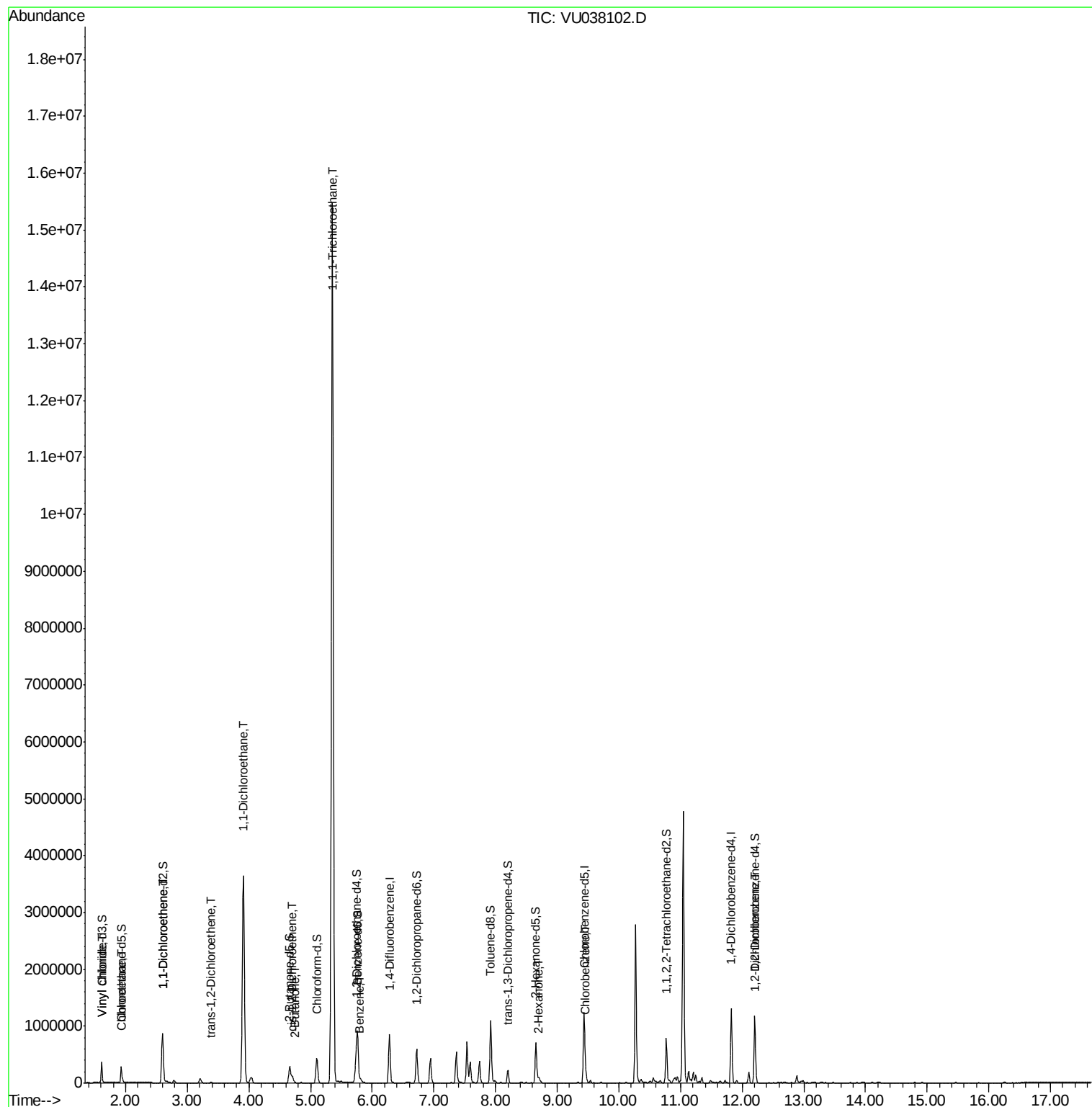
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	40751	5.933	ug/L	84
8) Chloroethane	1.95	64	33479	8.105	ug/L	99
12) 1,1-Dichloroethene	2.60	96	206956	46.095	ug/L	96
17) trans-1,2-Dichloroethene	3.39	96	5115	1.055	ug/L	91
19) 1,1-Dichloroethane	3.91	63	4298188	445.114	ug/L	99
20) cis-1,2-Dichloroethene	4.70	96	45955	8.574	ug/L	96
22) 2-Butanone	4.75	43	11748	2.391	ug/L	90
30) 1,1,1-Trichloroethane	5.35	97	11113213	1459.262	ug/L	98
33) Benzene	5.81	78	49014	2.288	ug/L	100
48) 2-Hexanone	8.71	43	56940	7.447	ug/L #	92
51) Chlorobenzene	9.47	112	71329	5.091	ug/L	92
65) 1,2-Dichlorobenzene	12.22	146	23533	2.226	ug/L	96

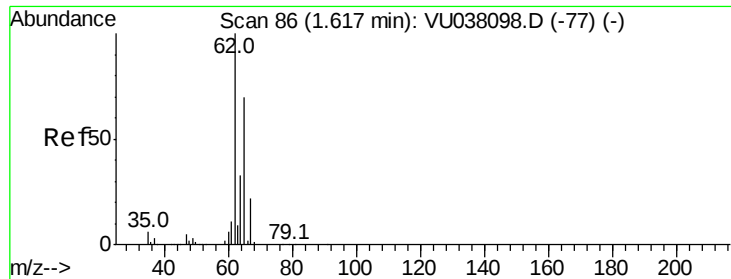
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue May 12 01:10:23 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.933 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038102.D

Acq: 11 May 2020 13:45

Instrument :

MSVOA_U

ClientSampled :

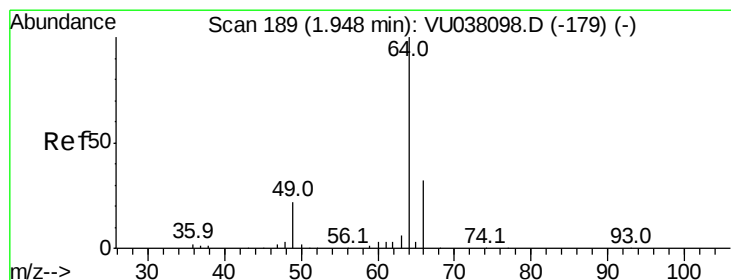
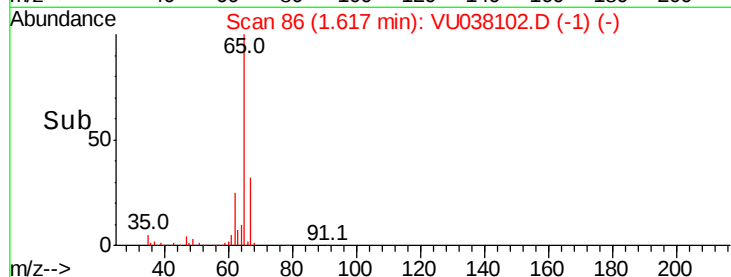
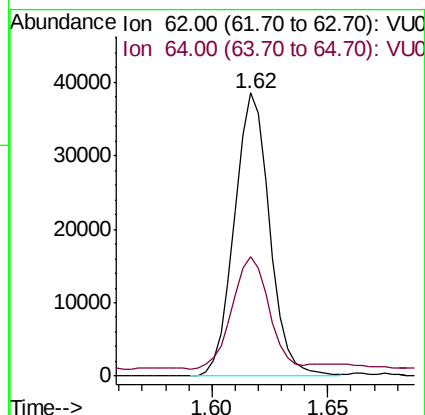
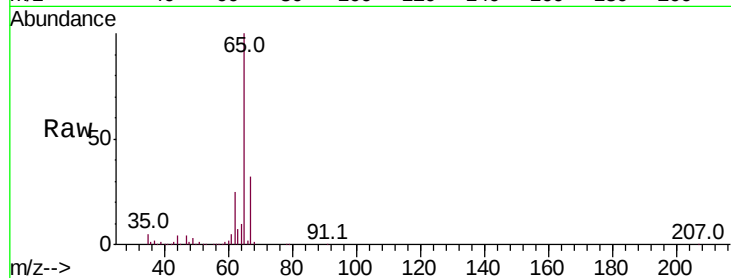
BFSE9

Tot Ion: 62 Resp: 40751

Ion Ratio Lower Upper

62 100

64 42.0 23.2 43.2



#8

Chloroethane

Concen: 8.105 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU038102.D

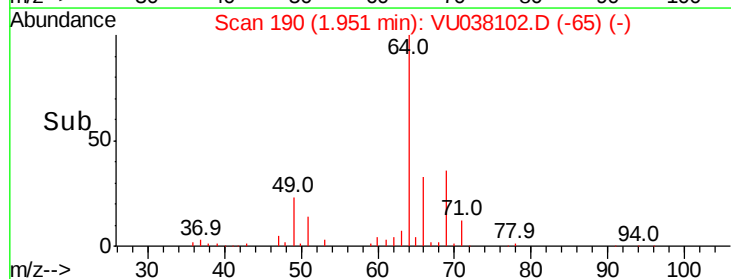
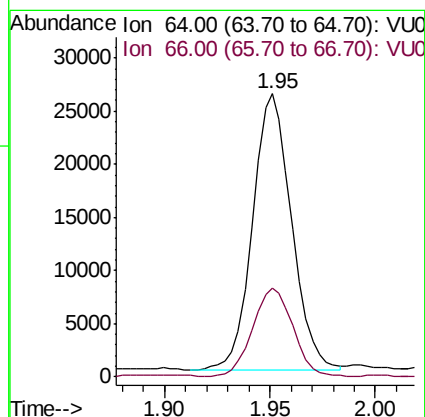
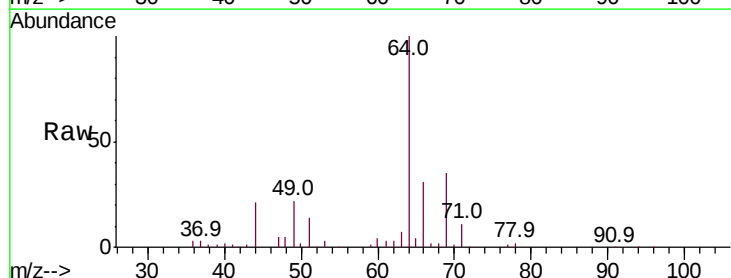
Acq: 11 May 2020 13:45

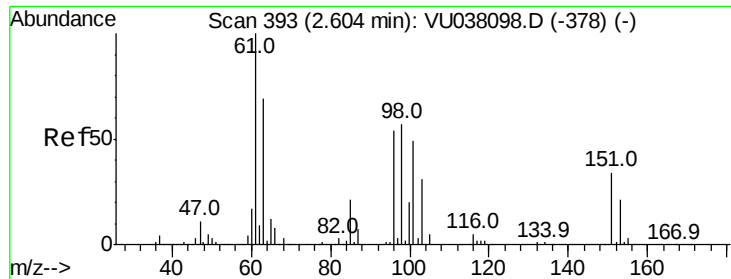
Tgt Ion: 64 Resp: 33479

Ion Ratio Lower Upper

64 100

66 31.3 22.5 41.7





#12

1,1-Dichloroethene

Concen: 46.095 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038102.D

Acq: 11 May 2020 13:45

Instrument :

MSVOA_U

ClientSampleId :

BFSE9

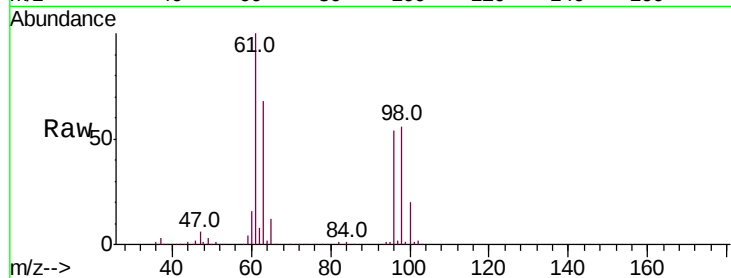
Tot Ion: 96 Resp: 206956

Ion Ratio Lower Upper

96 100

61 184.4 126.1 234.3

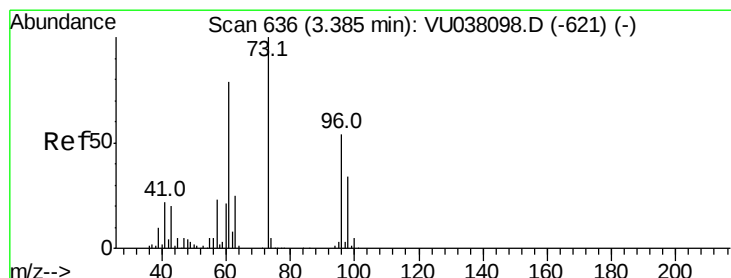
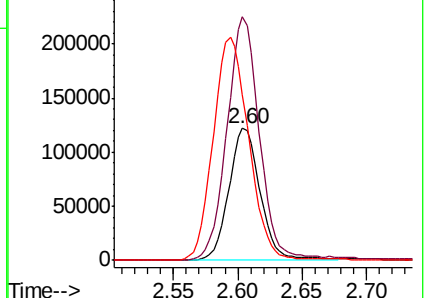
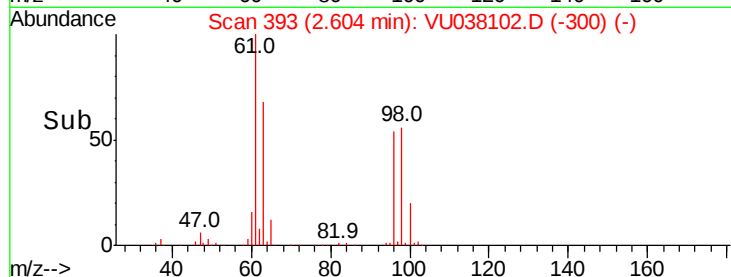
63 125.7 83.4 154.8



Abundance Ion 96.00 (95.70 to 96.70): VU038102.D (-300) (-)

Ion 61.00 (60.70 to 61.70): VU038102.D (-300) (-)

Ion 63.00 (62.70 to 63.70): VU038102.D (-300) (-)



#17

trans-1,2-Dichloroethene

Concen: 1.055 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU038102.D

Acq: 11 May 2020 13:45

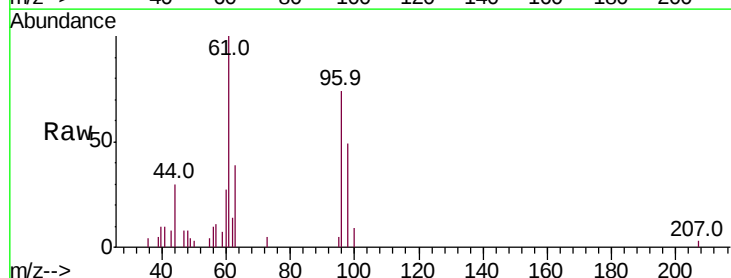
Tgt Ion: 96 Resp: 5115

Ion Ratio Lower Upper

96 100

61 134.4 104.9 194.9

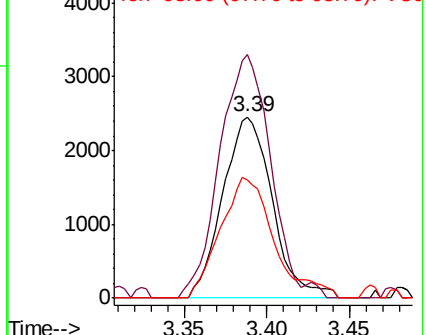
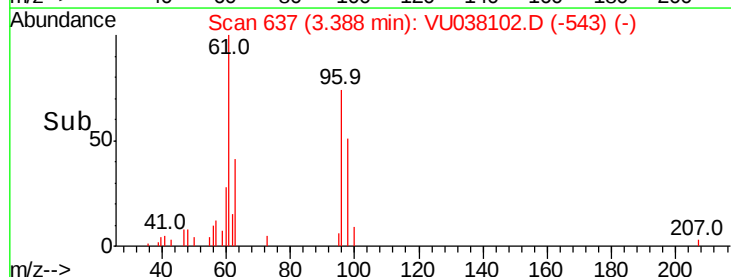
98 65.4 44.6 82.8

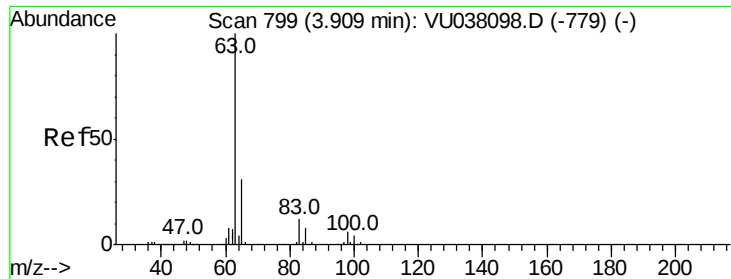


Abundance Ion 96.00 (95.70 to 96.70): VU038102.D (-543) (-)

Ion 61.00 (60.70 to 61.70): VU038102.D (-543) (-)

Ion 98.00 (97.70 to 98.70): VU038102.D (-543) (-)



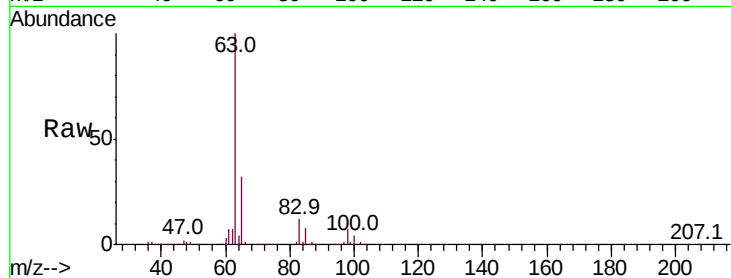


#19
 1,1-Dichloroethane
 Concen: 445.114 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU038102.D
 Acq: 11 May 2020 13:45

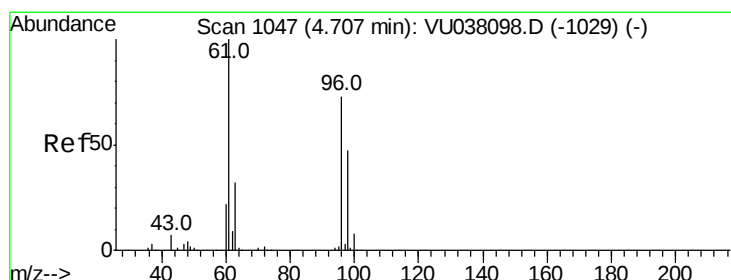
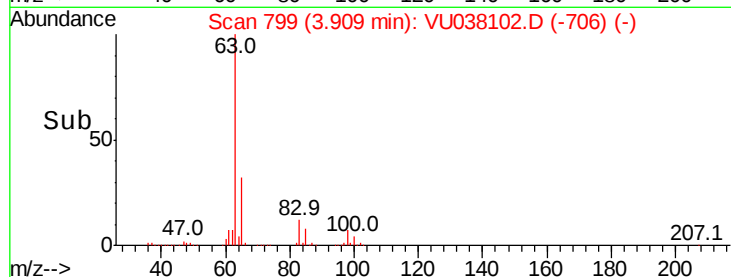
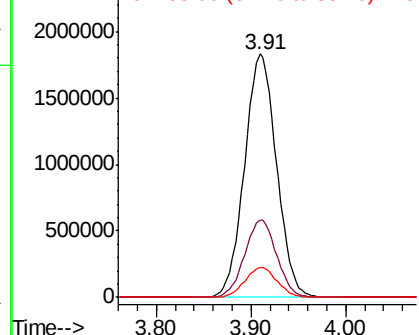
Instrument :
 MSVOA_U
 ClientSampleId :
 BFSE9

Tot Ion: 63 Resp: 4298188

Ion	Ratio	Lower	Upper
63	100		
65	31.7	22.5	41.7
83	12.3	8.5	15.7



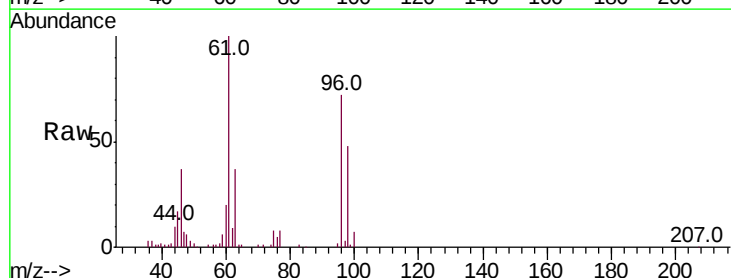
Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0



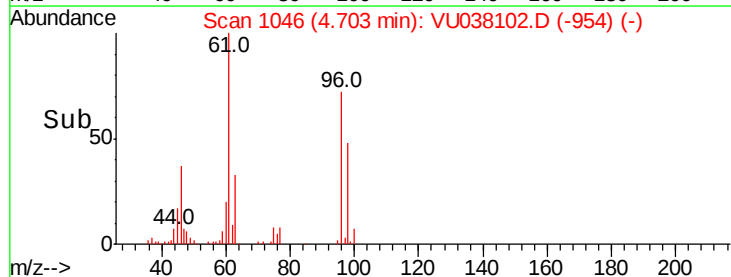
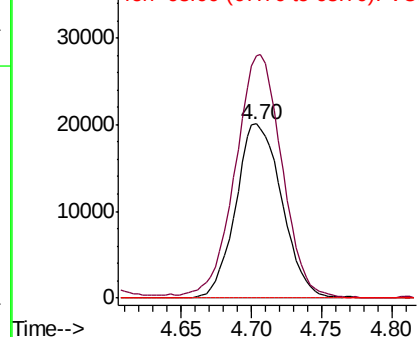
#20
 cis-1,2-Dichloroethene
 Concen: 8.574 ug/L
 RT: 4.70 min Scan# 1046
 Delta R.T. -0.00 min
 Lab File: VU038102.D
 Acq: 11 May 2020 13:45

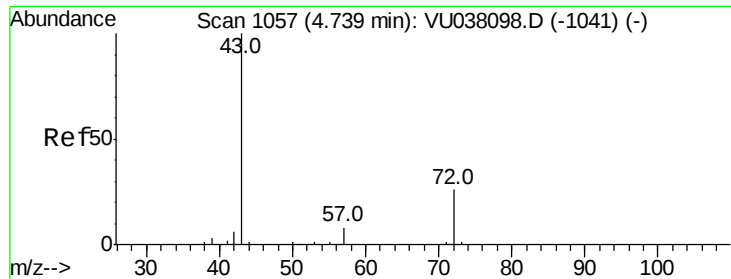
Tgt Ion: 96 Resp: 45955

Ion	Ratio	Lower	Upper
96	100		
61	139.2	93.9	174.3
68	0.0	0.0	0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 2.391 ug/L

RT: 4.75 min Scan# 1061

Delta R.T. 0.01 min

Lab File: VU038102.D

Acq: 11 May 2020 13:45

Instrument :

MSVOA_U

ClientSampleId :

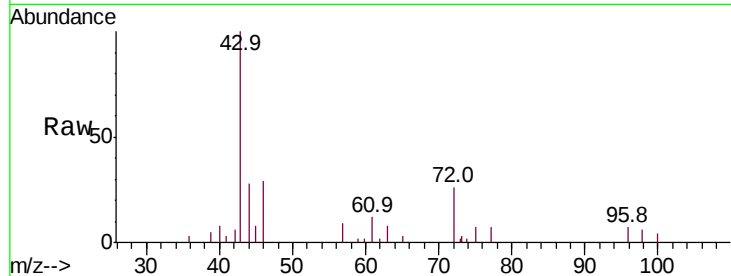
BFSE9

Tot Ion: 43 Resp: 11748

Ion Ratio Lower Upper

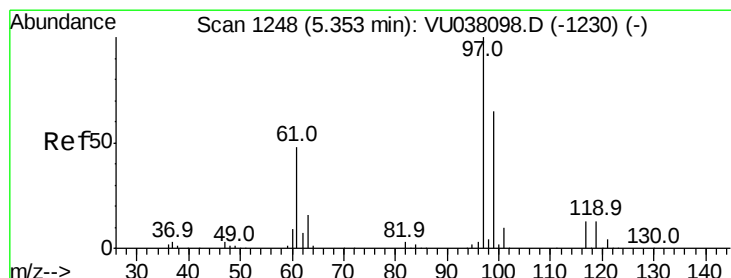
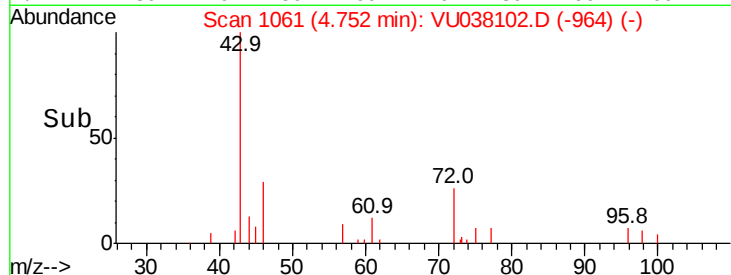
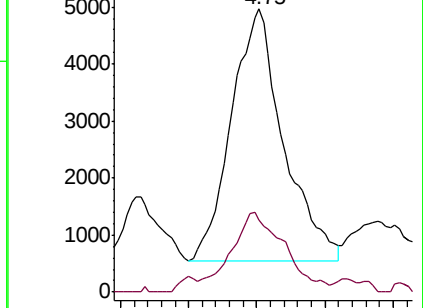
43 100

72 31.6 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VU038102.D (-1061) (-)

Ion 72.00 (71.70 to 72.70): VU038102.D (-1061) (-)



#30

1,1,1-Trichloroethane

Concen: 1459.262 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VU038102.D

Acq: 11 May 2020 13:45

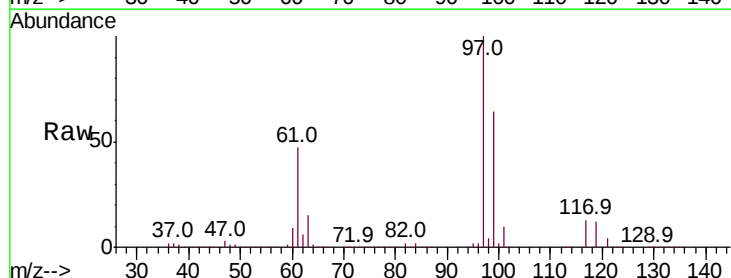
Tgt Ion: 97 Resp: 11113213

Ion Ratio Lower Upper

97 100

99 64.2 50.5 75.7

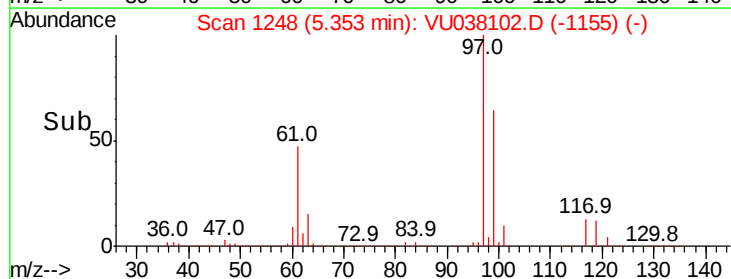
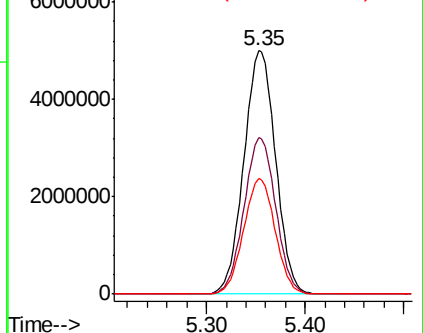
61 47.3 38.8 58.2

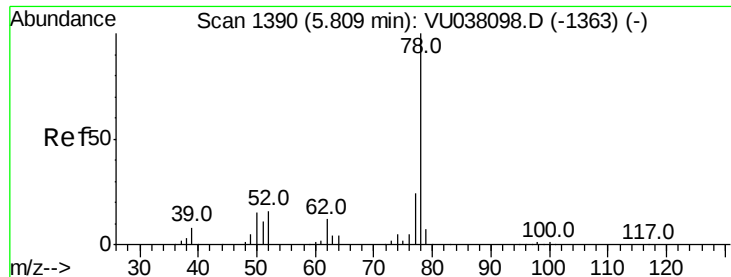


Abundance Ion 97.00 (96.70 to 97.70): VU038102.D (-1248) (-)

Ion 99.00 (98.70 to 99.70): VU038102.D (-1248) (-)

Ion 61.05 (60.75 to 61.75): VU038102.D (-1248) (-)





#33

Benzene

Concen: 2.288 ug/L

RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VU038102.D

Acq: 11 May 2020 13:45

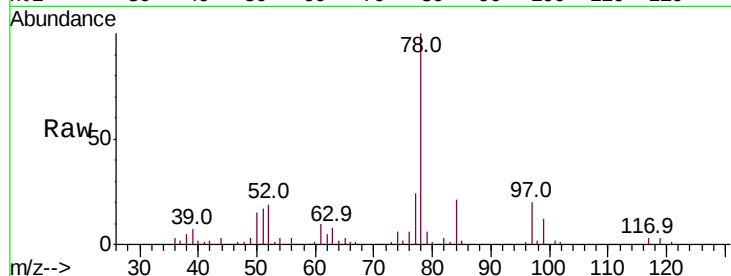
Instrument :

MSVOA_U

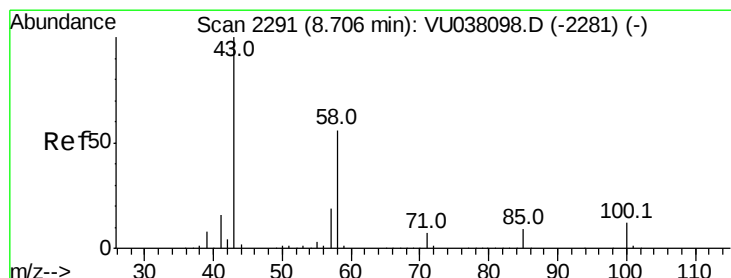
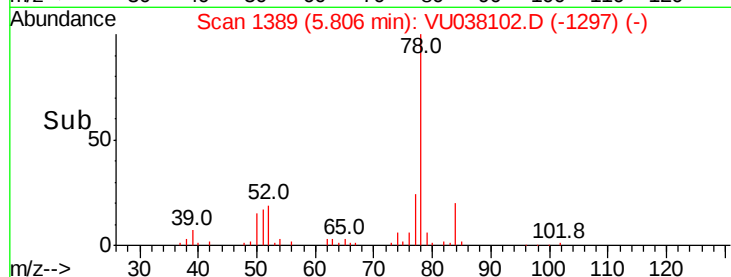
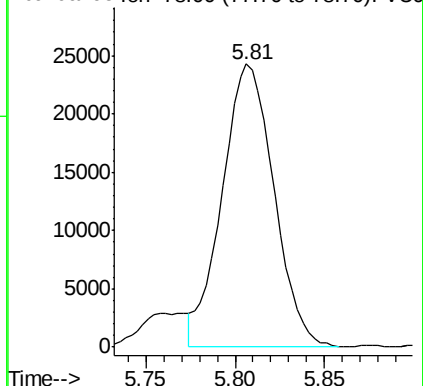
ClientSampleId :

BFSE9

Tgt Ion: 78 Resp: 49014



Abundance Ion 78.00 (77.70 to 78.70): VU0



#48

2-Hexanone

Concen: 7.447 ug/L

RT: 8.71 min Scan# 2291

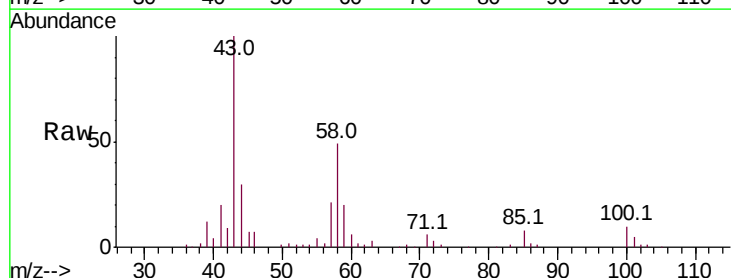
Delta R.T. -0.00 min

Lab File: VU038102.D

Acq: 11 May 2020 13:45

Tgt Ion: 43 Resp: 56940

Ion	Ratio	Lower	Upper
43	100		
58	51.6	46.4	69.6
57	23.0	16.4	24.6
100	9.5	9.5	14.3#

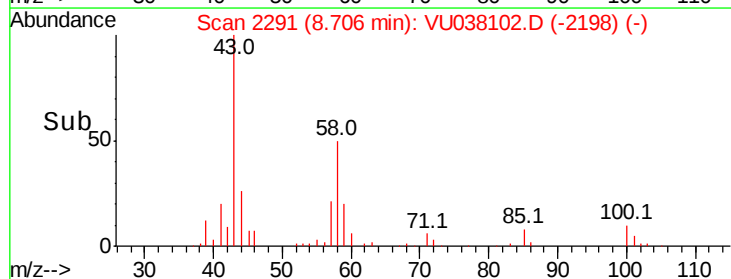
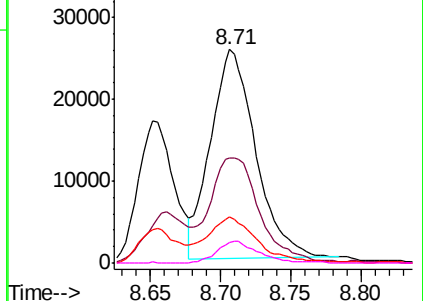


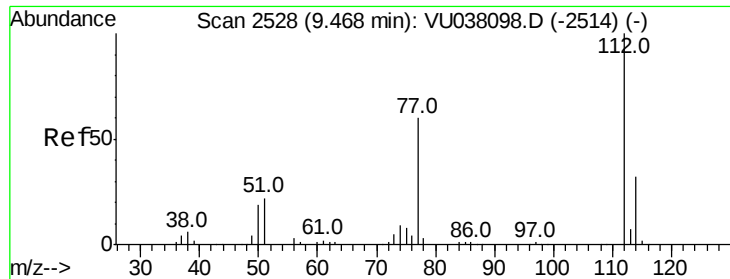
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#51

Chlorobenzene

Concen: 5.091 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038102.D

Acq: 11 May 2020 13:45

Instrument :

MSVOA_U

ClientSampled :

BFSE9

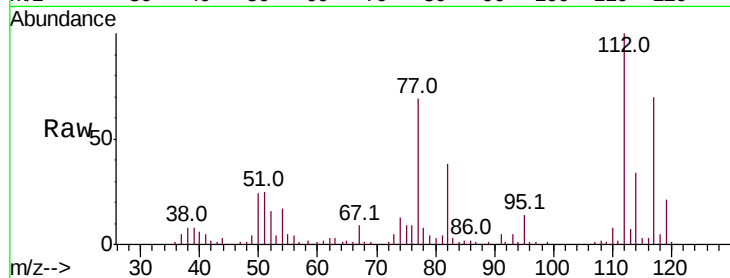
Tot Ion:112 Resp: 71329

Ion Ratio Lower Upper

112 100

114 33.6 21.6 40.2

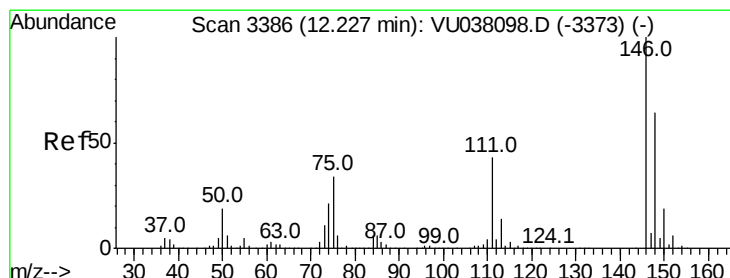
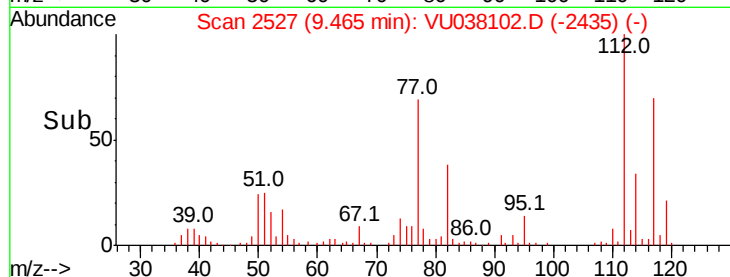
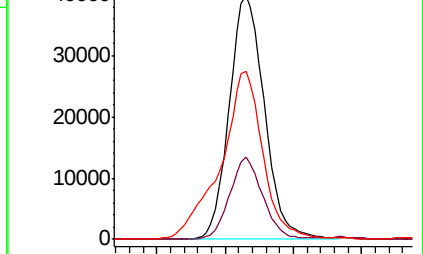
77 69.1 49.3 73.9



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#65

1,2-Dichlorobenzene

Concen: 2.226 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038102.D

Acq: 11 May 2020 13:45

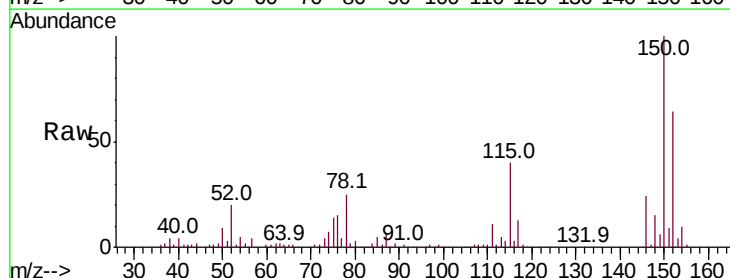
Tgt Ion:146 Resp: 23533

Ion Ratio Lower Upper

146 100

111 48.0 34.6 51.8

148 64.3 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

