

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060120\
 Data File : VU038472.D
 Acq On : 01 Jun 2020 15:42
 Operator : JC/MD
 Sample : L2789-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFX83

Quant Time: Jun 02 06:44:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 02 05:25:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	302273	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	291759	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	139151	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	77477	3.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.20%
7) Chloroethane-d5	1.93	69	72283	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.20%
11) 1,1-Dichloroethene-d2	2.59	63	126034	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	4.68	46	356011	59.90	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.80%
24) Chloroform-d	5.10	84	192619	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
26) 1,2-Dichloroethane-d4	5.74	65	116942	5.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.00%
32) Benzene-d6	5.76	84	375490	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
36) 1,2-Dichloropropane-d6	6.72	67	118258	5.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.60%
41) Toluene-d8	7.92	98	309918	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
43) trans-1,3-Dichloropropene-	8.20	79	47281	4.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.20%
46) 2-Hexanone-d5	8.66	63	300628	63.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	126.40%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	105317	5.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	128895	5.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.40%

Target Compounds

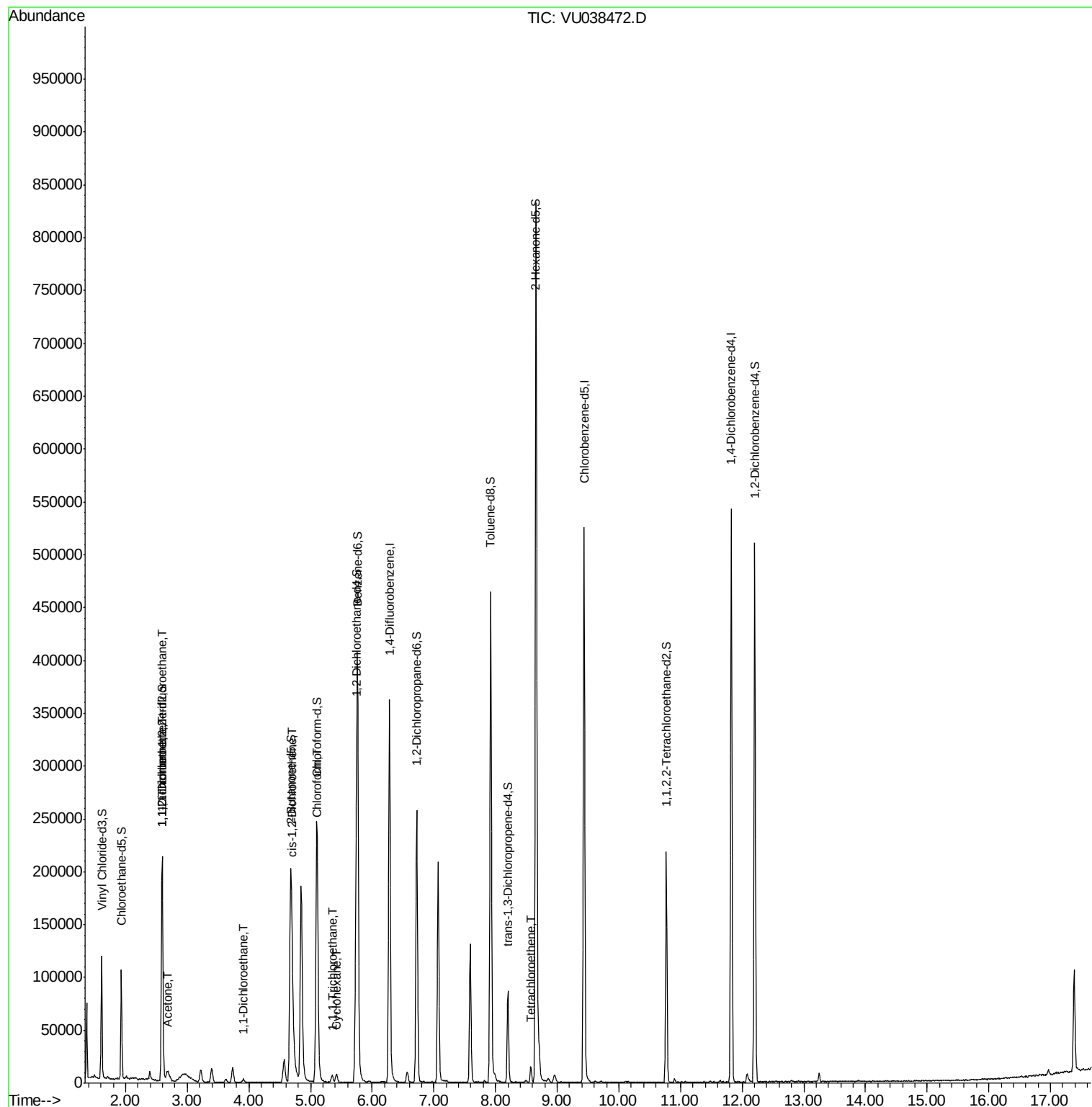
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	3907	0.213	ug/L #	72
12) 1,1-Dichloroethene	2.61	96	4601	0.247	ug/L #	1
13) Acetone	2.68	43	21836	5.614	ug/L	66
19) 1,1-Dichloroethane	3.91	63	3727	0.104	ug/L	88
22) cis-1,2-Dichloroethene	4.70	96	2785	0.129	ug/L	88
25) Chloroform	5.12	83	7374	0.202	ug/L	94
29) 1,1,1-Trichloroethane	5.36	97	5301	0.172	ug/L	96
30) Cyclohexane	5.42	56	3519	0.109	ug/L	92
47) Tetrachloroethene	8.57	164	3273	0.213	ug/L	84

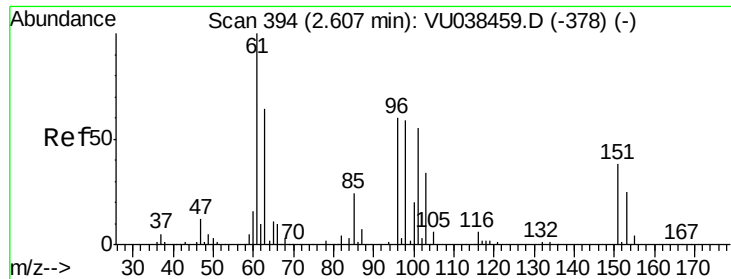
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.213 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038472.D

Acq: 01 Jun 2020 15:42

Instrument :

MSVOA_U

ClientSampleId :

BFX83

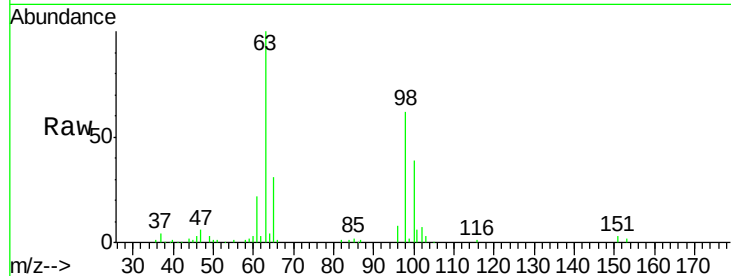
Tot Ion:101 Resp: 3907

Ion Ratio Lower Upper

101 100

85 23.5 34.0 51.0#

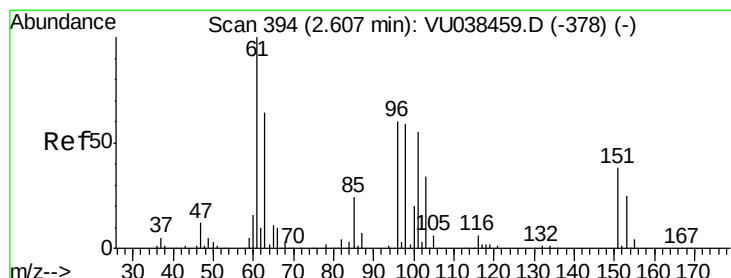
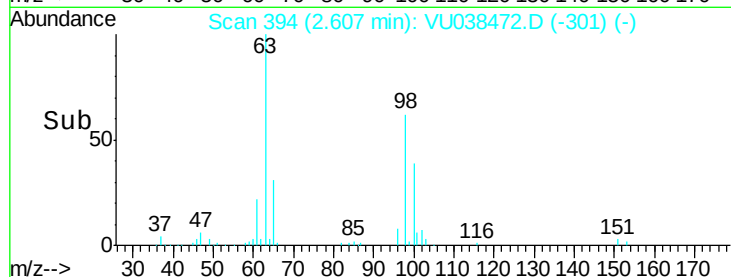
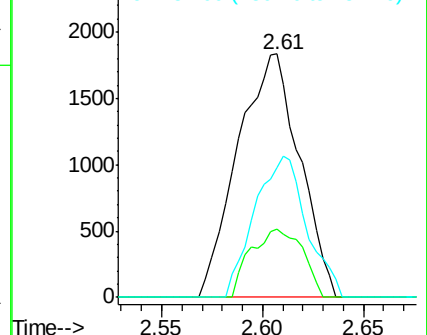
151 49.1 56.9 85.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.247 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038472.D

Acq: 01 Jun 2020 15:42

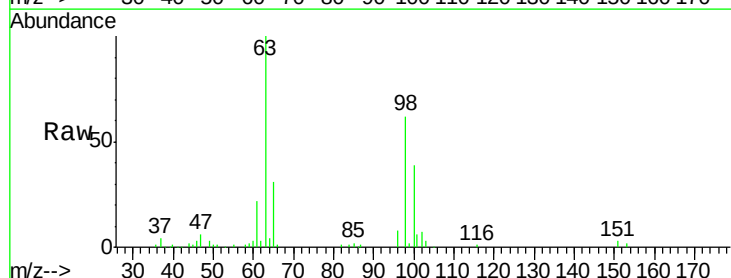
Tgt Ion: 96 Resp: 4601

Ion Ratio Lower Upper

96 100

61 291.3 119.9 222.7#

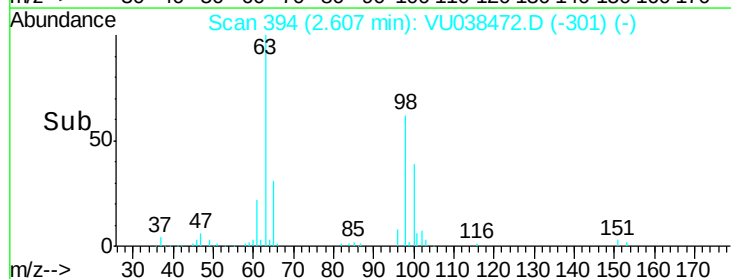
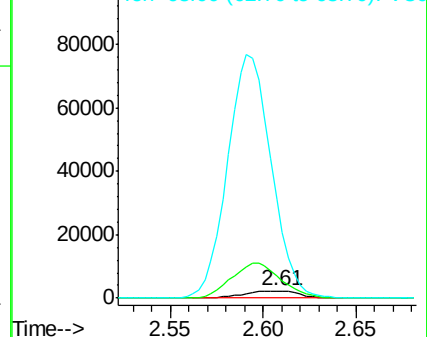
63 1327.8 89.9 167.0#

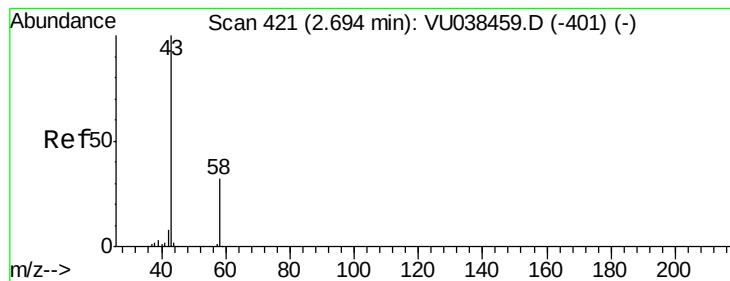


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.614 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.02 min

Lab File: VU038472.D

Acq: 01 Jun 2020 15:42

Instrument :

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ClientSampleId :

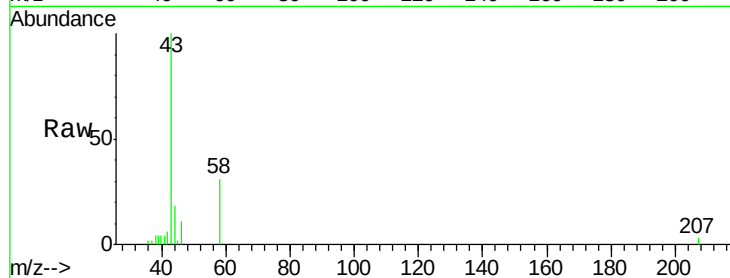
BFX83

Tot Ion: 43 Resp: 21836

Ion Ratio Lower Upper

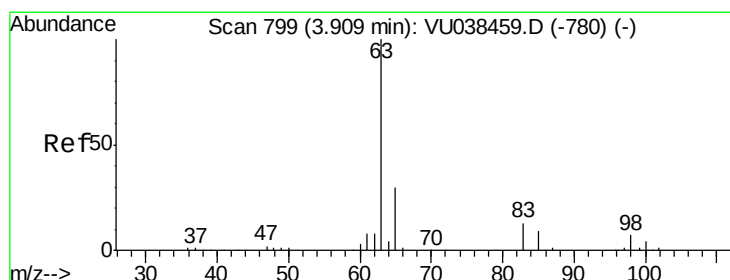
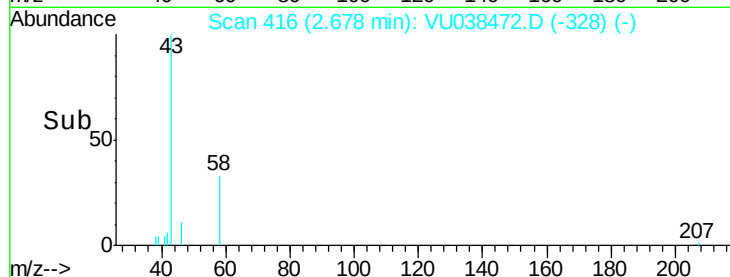
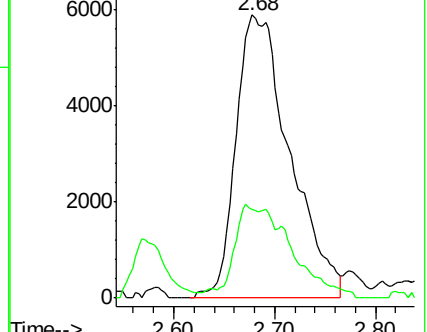
43 100

58 13.5 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038472.D (-328) (-)

Ion 58.05 (57.75 to 58.75): VU038472.D (-328) (-)



#19

1,1-Dichloroethane

Concen: 0.104 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU038472.D

Acq: 01 Jun 2020 15:42

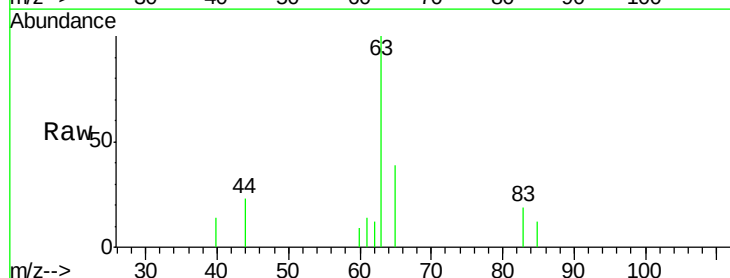
Tgt Ion: 63 Resp: 3727

Ion Ratio Lower Upper

63 100

65 38.8 22.3 41.5

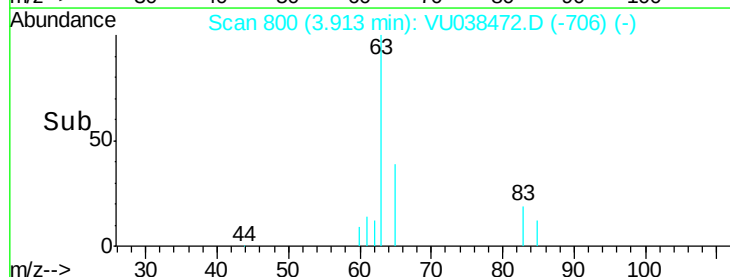
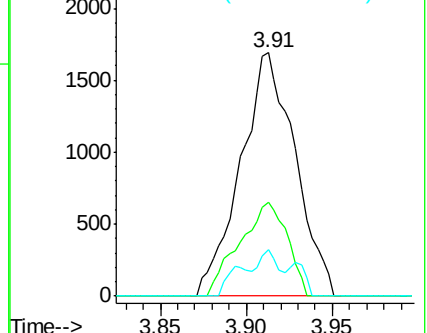
83 19.0 10.4 19.4

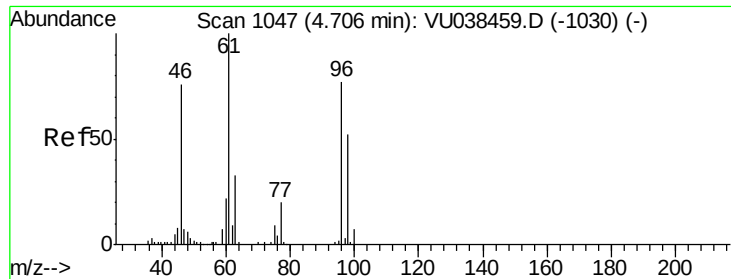


Abundance Ion 63.10 (62.80 to 63.80): VU038472.D (-706) (-)

Ion 65.10 (64.80 to 65.80): VU038472.D (-706) (-)

Ion 83.05 (82.75 to 83.75): VU038472.D (-706) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.129 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU038472.D

Acq: 01 Jun 2020 15:42

Instrument :

MSVOA_U

ClientSampleId :

BFX83

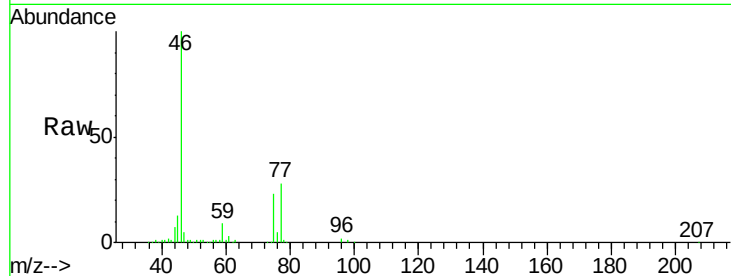
Tot Ion: 96 Resp: 2785

Ion Ratio Lower Upper

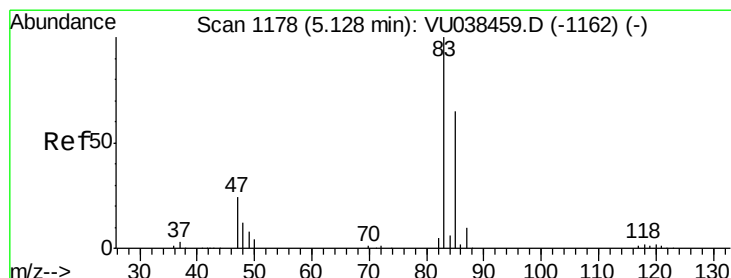
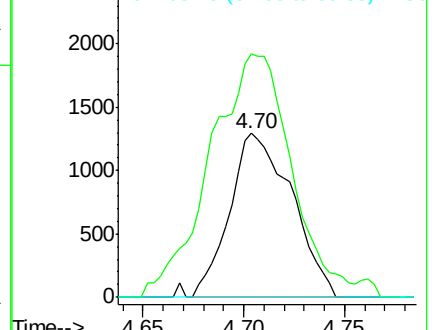
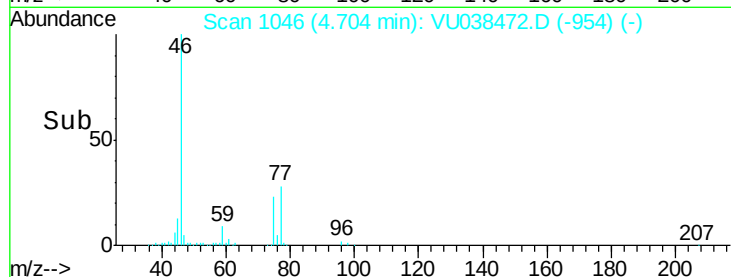
96 100

61 148.3 94.0 174.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038472.D (-954) (-)



#25

Chloroform

Concen: 0.202 ug/L

RT: 5.12 min Scan# 1176

Delta R.T. -0.01 min

Lab File: VU038472.D

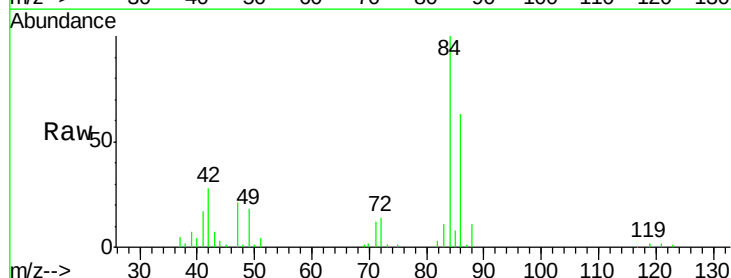
Acq: 01 Jun 2020 15:42

Tgt Ion: 83 Resp: 7374

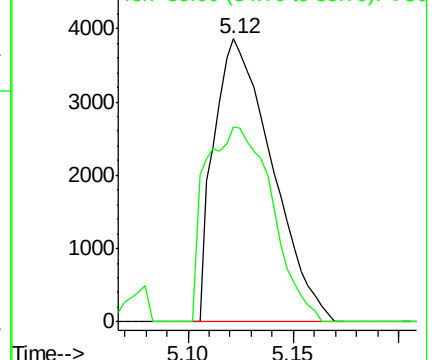
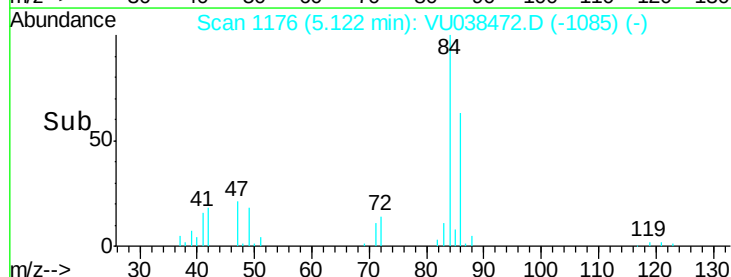
Ion Ratio Lower Upper

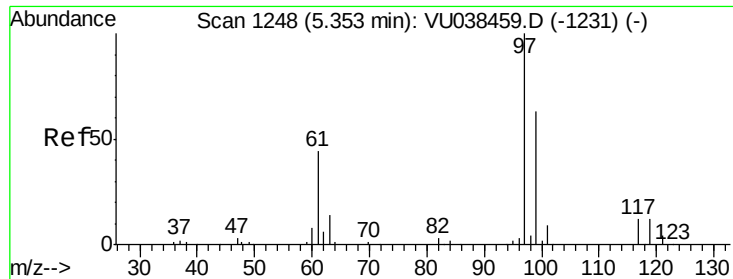
83 100

85 68.7 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU038472.D (-1085) (-)

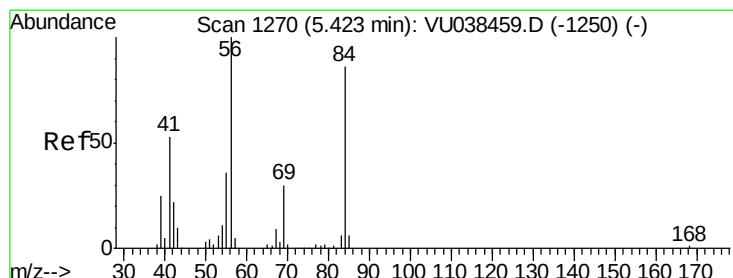
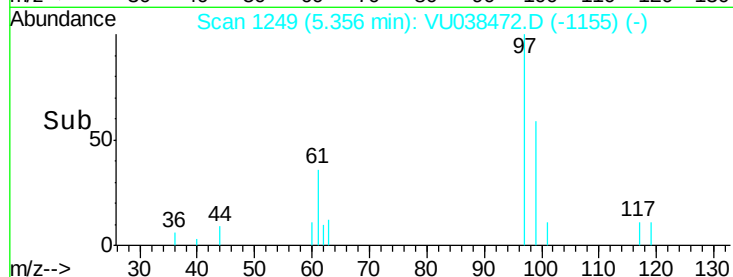
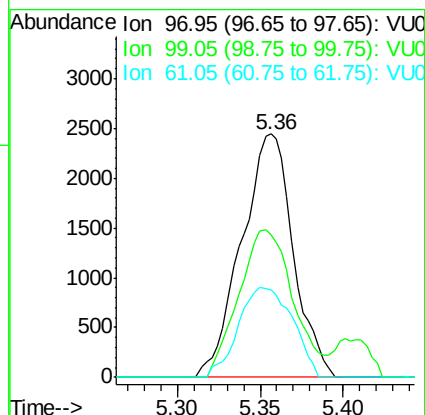
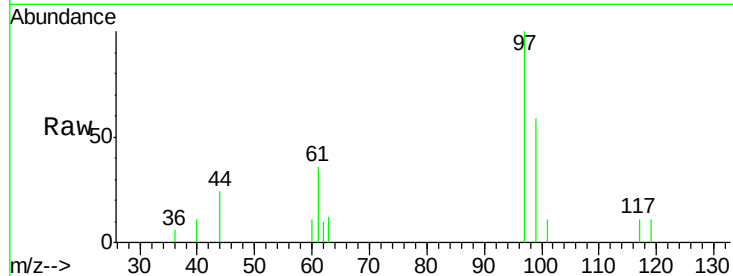




#29
1,1,1-Trichloroethane
Concen: 0.172 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU038472.D
Acq: 01 Jun 2020 15:42

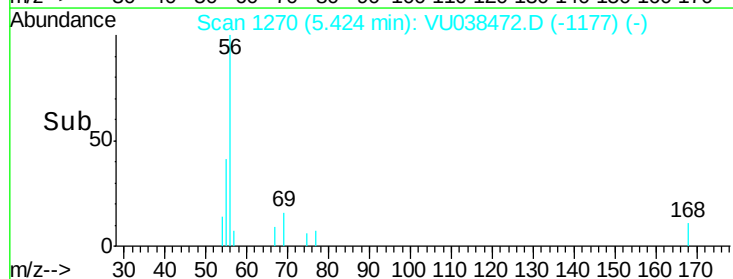
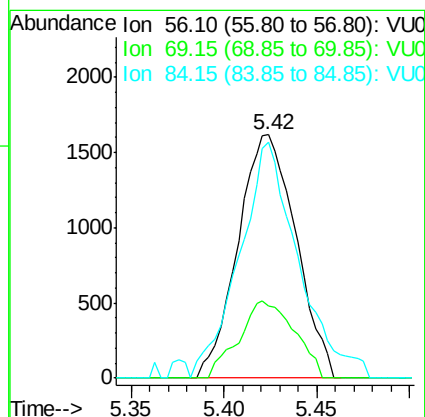
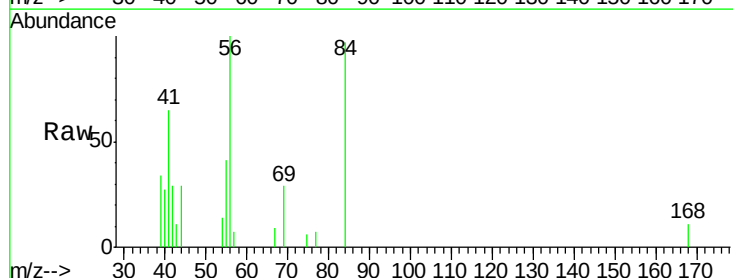
Instrument :
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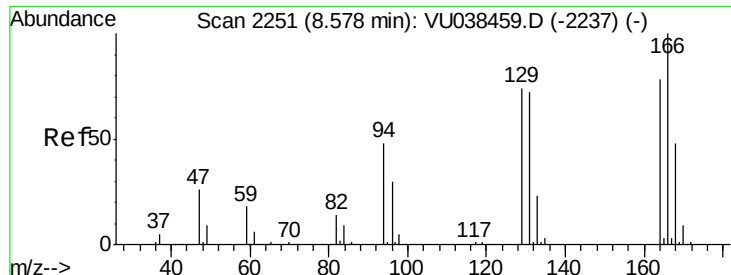
Tot Ion: 97 Resp: 5301
Ion Ratio Lower Upper
97 100
99 64.6 52.2 78.2
61 38.5 35.4 53.2



#30
Cyclohexane
Concen: 0.109 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU038472.D
Acq: 01 Jun 2020 15:42

Tgt Ion: 56 Resp: 3519
Ion Ratio Lower Upper
56 100
69 30.3 24.2 36.4
84 98.7 70.8 106.2





#47

Tetrachloroethene

Concen: 0.213 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.01 min

Lab File: VU038472.D

Acq: 01 Jun 2020 15:42

Instrument :
MSVOA_U
ClientSampleId :
BFX83

Tot Ion:164 Resp: 3273

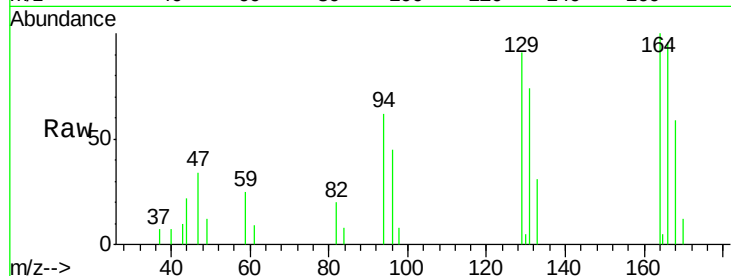
Ion Ratio Lower Upper

164 100

129 90.8 67.4 125.2

131 73.7 64.1 119.1

166 96.4 85.7 159.1



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

