

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071720\
 Data File : VU039552.D
 Acq On : 17 Jul 2020 15:16
 Operator : SY/MD
 Sample : L3292-17
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT92

Quant Time: Jul 18 01:35:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 17 23:38:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	87515	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	84242	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	39755	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	20093	3.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.20%
7) Chloroethane-d5	1.93	69	26343	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.60%
11) 1,1-Dichloroethene-d2	2.58	63	34300	3.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.80%
20) 2-Butanone-d5	4.65	46	98675	42.52	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.04%
24) Chloroform-d	5.09	84	50816	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.72	65	33472	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.75	84	98125	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.71	67	33551	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.91	98	85890	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	8.19	79	13367	4.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.00%
46) 2-Hexanone-d5	8.64	63	72680	38.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.88%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	30107	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	34357	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	2232	0.421 ug/L	92
3) Chloromethane	1.53	50	1138	0.177 ug/L	93
9) Trichlorofluoromethane	2.15	101	4430	0.358 ug/L	89
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	3092	0.608 ug/L	94
12) 1,1-Dichloroethene	2.60	96	4280	0.822 ug/L #	39
13) Acetone	2.65	43	7209	5.755 ug/L	98
14) Carbon disulfide	2.81	76	2618	0.143 ug/L	99
17) Methyl tert-butyl Ether	3.39	73	3845	0.234 ug/L #	92
19) 1,1-Dichloroethane	3.89	63	2386	0.212 ug/L #	78
22) cis-1,2-Dichloroethene	4.69	96	29366	4.545 ug/L	97
25) Chloroform	5.11	83	9450	0.830 ug/L	97
29) 1,1,1-Trichloroethane	5.34	97	1194	0.120 ug/L #	51
31) Carbon tetrachloride	5.54	117	2419	0.286 ug/L	92
34) Trichloroethene	6.56	95	199998	30.715 ug/L	98
47) Tetrachloroethene	8.56	164	2885	0.637 ug/L	92

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QLast Update : Fri Jul 17 23:38:36 2020
Response via : Initial Calibration

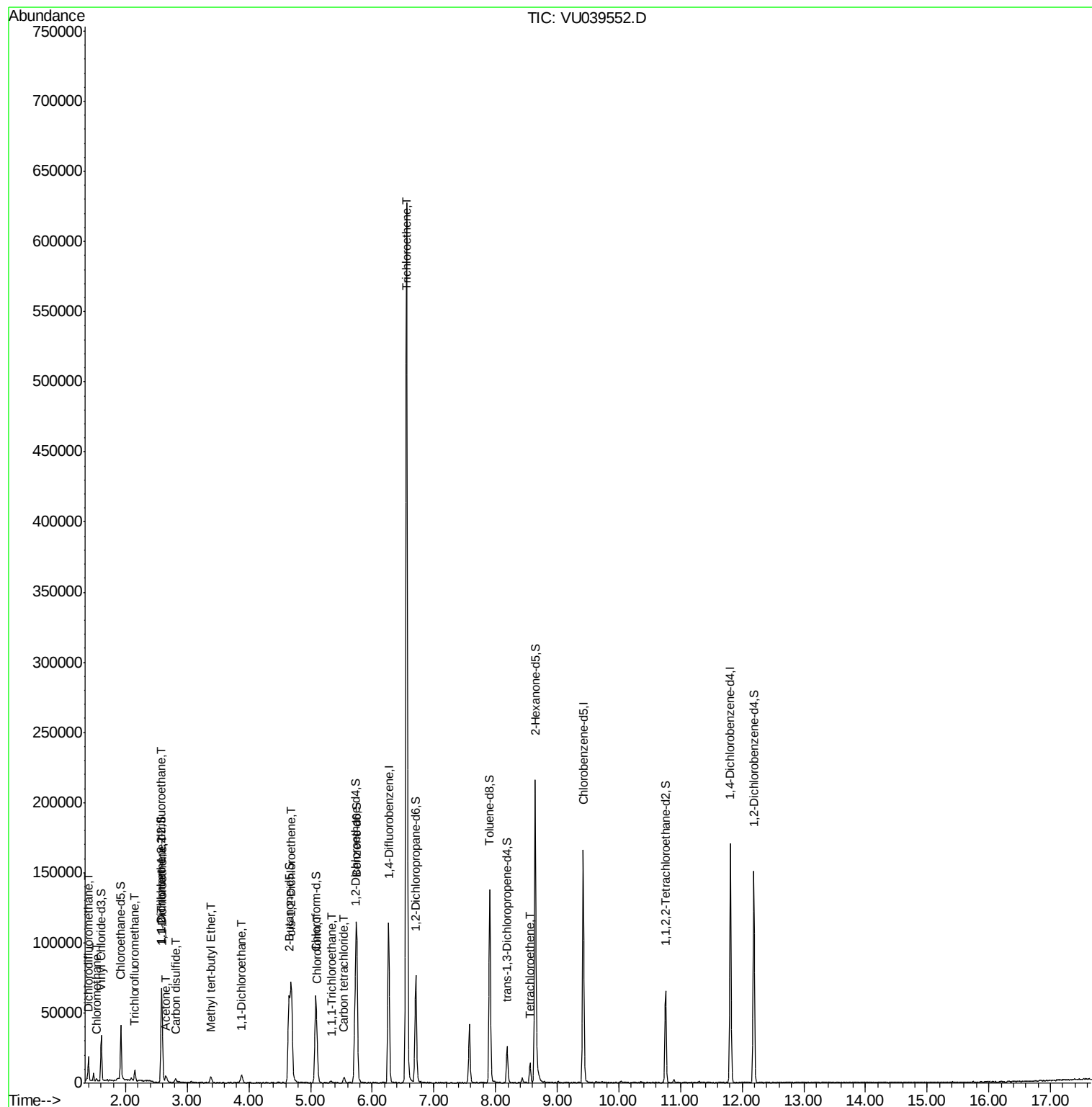
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

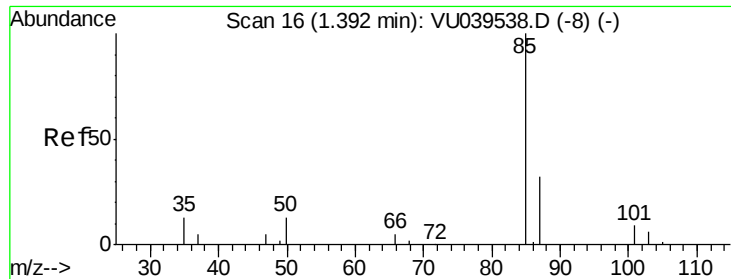
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#2

Dichlorodifluoromethane

Concen: 0.421 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU039552.D

Acq: 17 Jul 2020 15:16

Instrument :

MSVOA_U

ClientSampled :

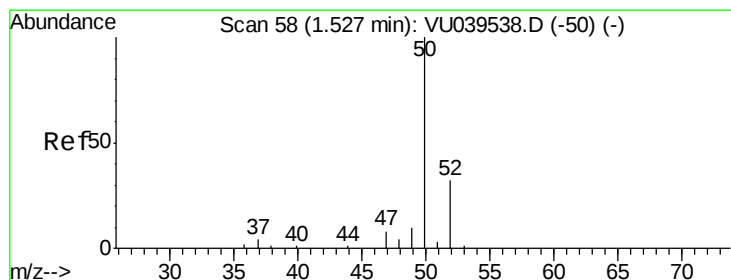
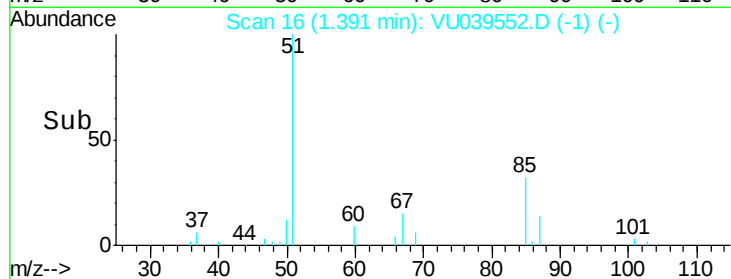
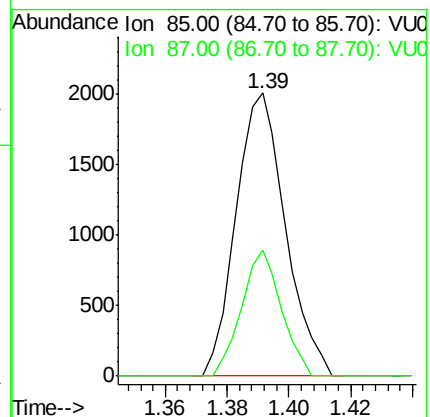
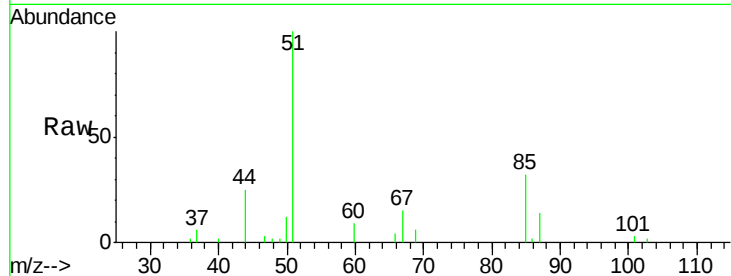
BFT92

Tot Ion: 85 Resp: 2232

Ion Ratio Lower Upper

85 100

87 35.9 25.2 37.8



#3

Chloromethane

Concen: 0.177 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU039552.D

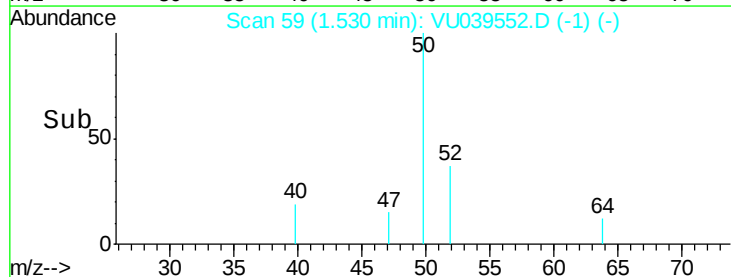
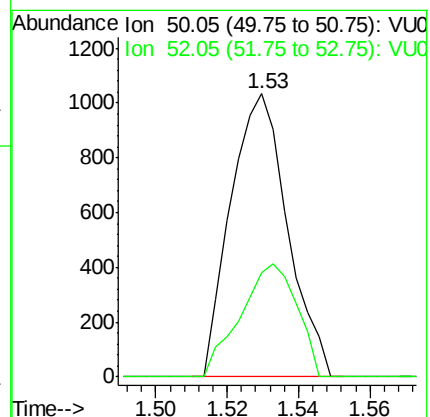
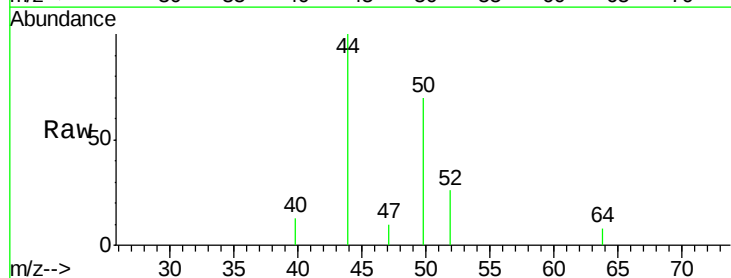
Acq: 17 Jul 2020 15:16

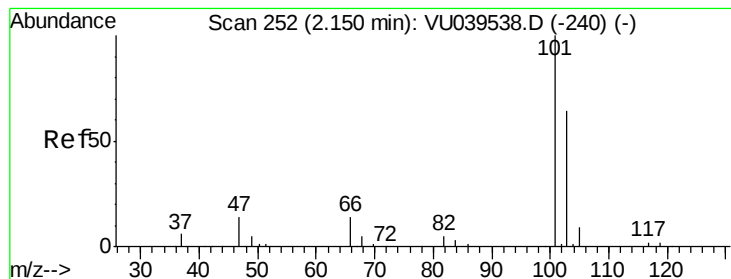
Tgt Ion: 50 Resp: 1138

Ion Ratio Lower Upper

50 100

52 36.9 23.0 42.8



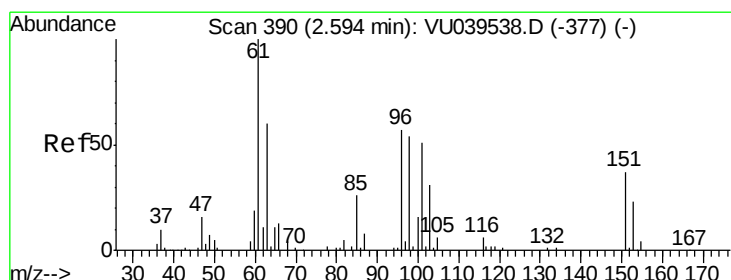
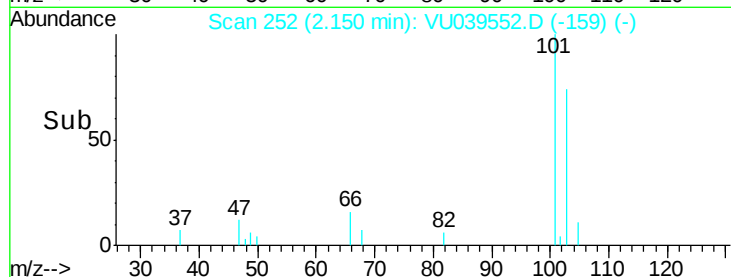
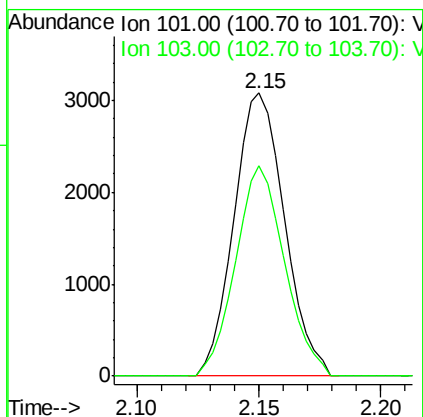
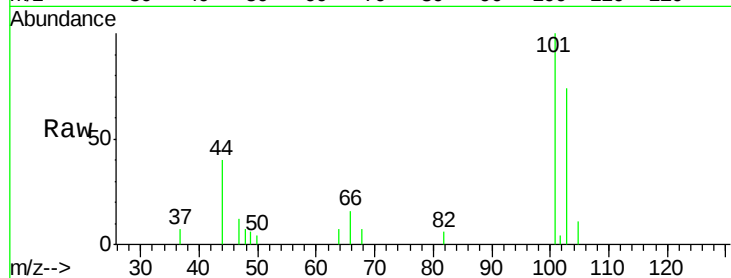


#9

Trichlorofluoromethane
 Concen: 0.358 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. -0.00 min
 Lab File: VU039552.D
 Acq: 17 Jul 2020 15:16

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT92

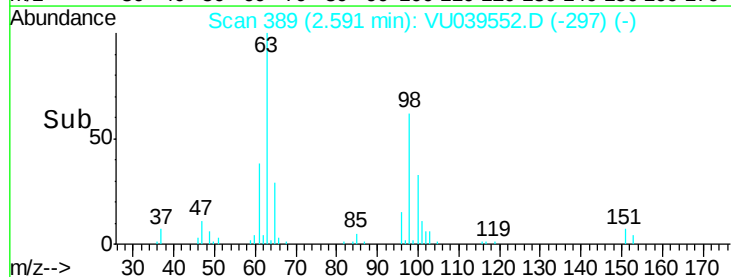
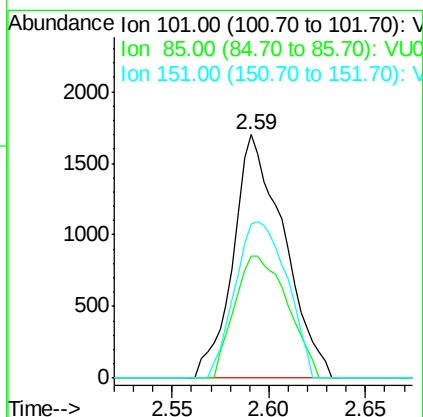
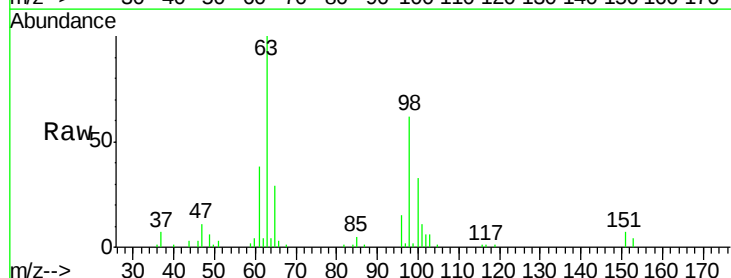
Tot Ion:101 Resp: 4430
 Ion Ratio Lower Upper
 101 100
 103 71.9 50.6 76.0

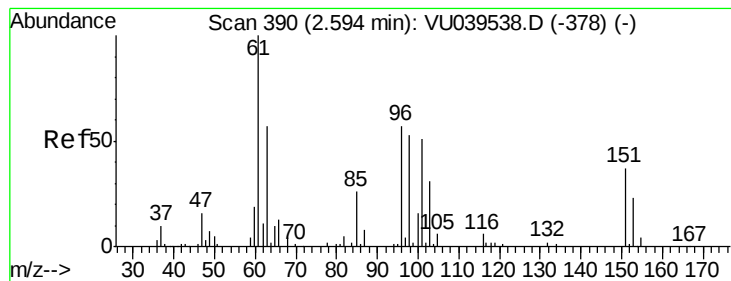


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.608 ug/L
 RT: 2.59 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VU039552.D
 Acq: 17 Jul 2020 15:16

Tgt Ion:101 Resp: 3092
 Ion Ratio Lower Upper
 101 100
 85 52.6 38.9 58.3
 151 65.8 57.0 85.4





#12

1,1-Dichloroethene

Concen: 0.822 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU039552.D

Acq: 17 Jul 2020 15:16

Instrument :

MSVOA_U

ClientSampleId :

BFT92

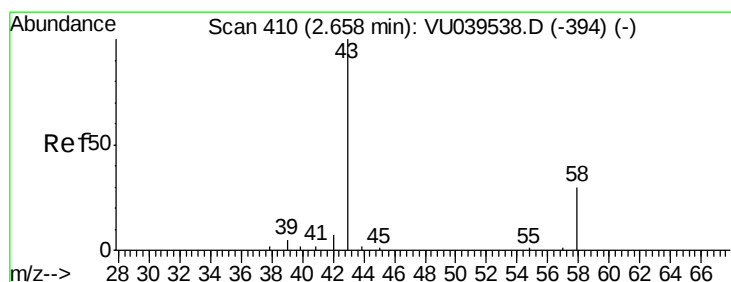
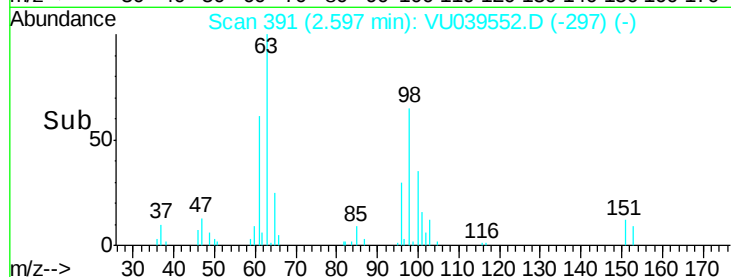
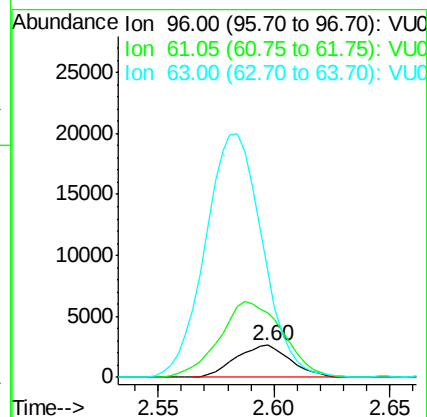
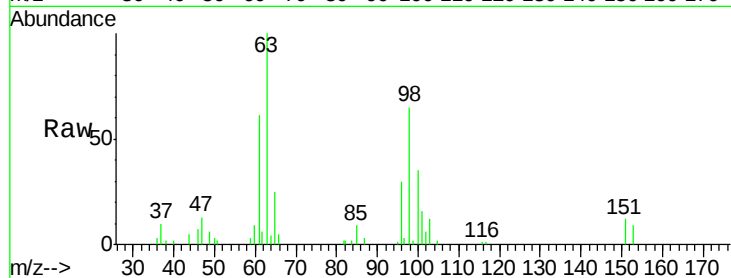
Tot Ion: 96 Resp: 4280

Ion Ratio Lower Upper

96 100

61 180.9 125.4 232.8

63 298.3 92.7 172.3#



#13

Acetone

Concen: 5.755 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.01 min

Lab File: VU039552.D

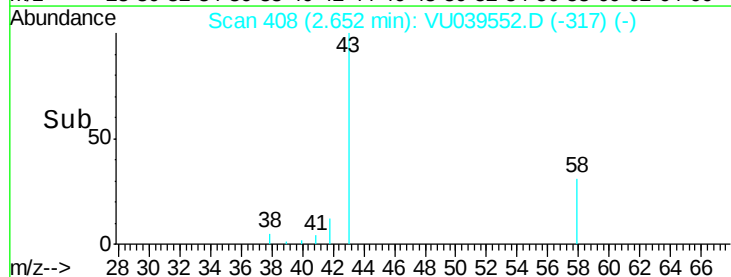
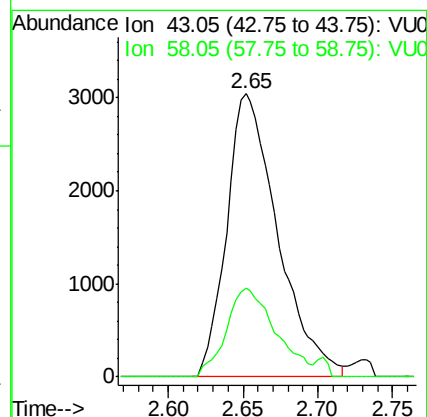
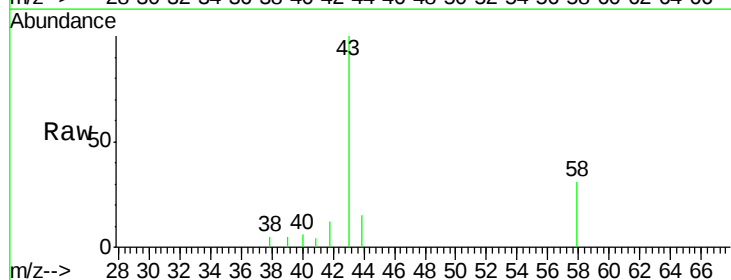
Acq: 17 Jul 2020 15:16

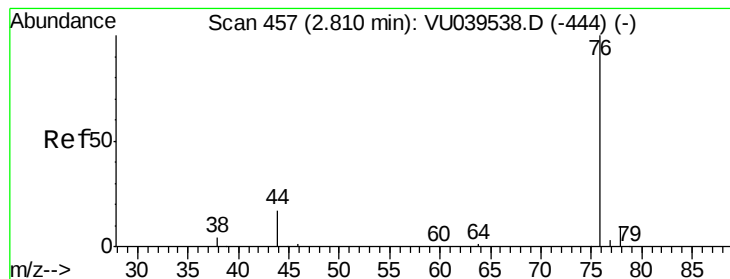
Tgt Ion: 43 Resp: 7209

Ion Ratio Lower Upper

43 100

58 30.5 0.0 62.8





#14

Carbon disulfide

Concen: 0.143 ug/L

RT: 2.81 min Scan# 458

Delta R.T. 0.00 min

Lab File: VU039552.D

Acq: 17 Jul 2020 15:16

Instrument :

MSVOA_U

ClientSampleId :

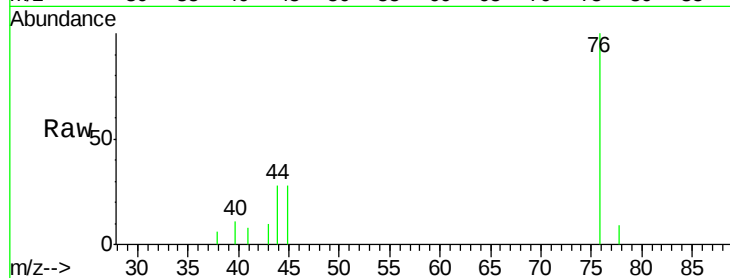
BFT92

Tot Ion: 76 Resp: 2618

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VU039538.D (-444) (-)

Ion 78.00 (77.70 to 78.70): VU039538.D (-444) (-)

2.81

1500

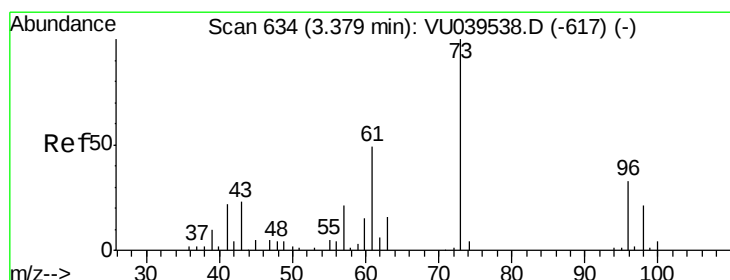
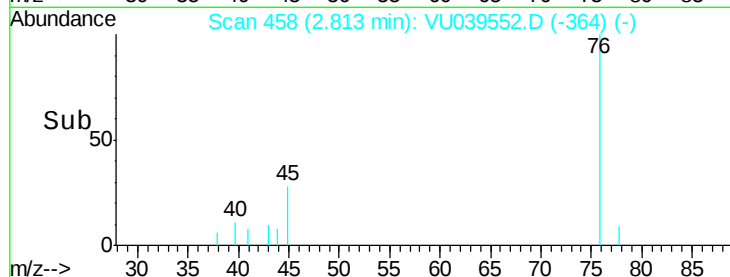
1000

500

0

2.80 2.85

Time-->



#17

Methyl tert-butyl Ether

Concen: 0.234 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.01 min

Lab File: VU039552.D

Acq: 17 Jul 2020 15:16

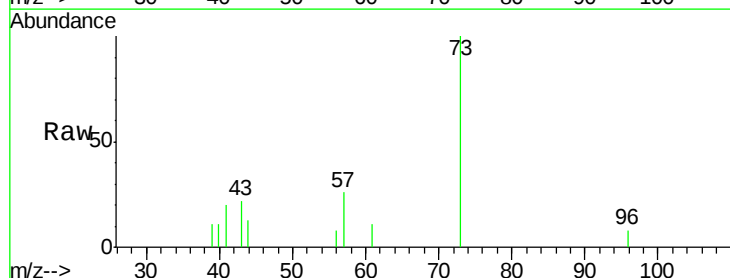
Tgt Ion: 73 Resp: 3845

Ion Ratio Lower Upper

73 100

43 15.9 18.6 28.0#

57 21.9 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VU039538.D (-617) (-)

Ion 43.05 (42.75 to 43.75): VU039538.D (-617) (-)

Ion 57.10 (56.80 to 57.80): VU039538.D (-617) (-)

3.39

2000

1500

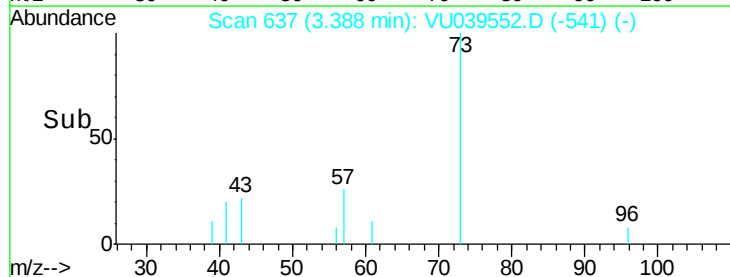
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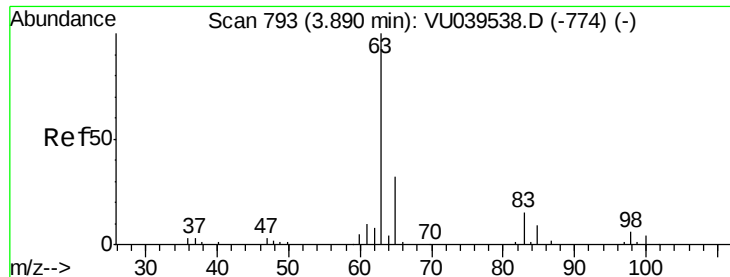
500

0

3.30 3.35 3.40 3.45

Time-->

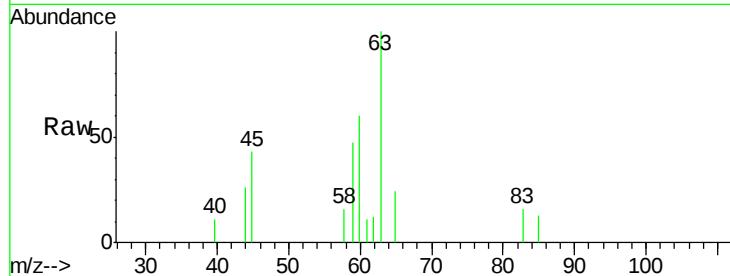




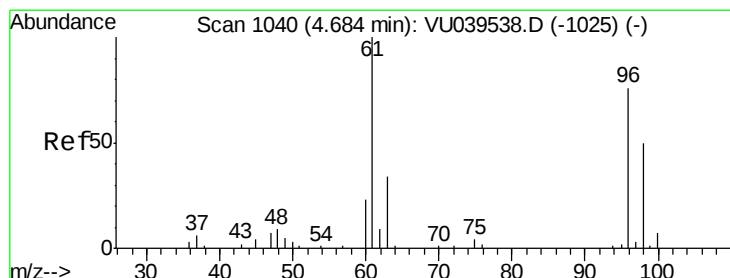
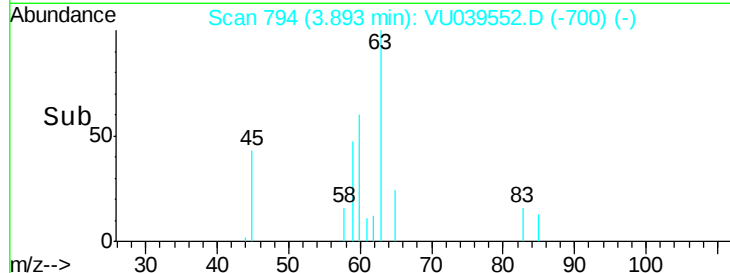
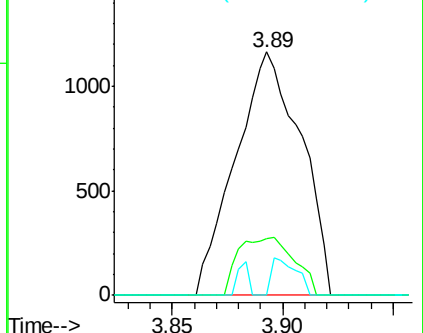
#19
 1,1-Dichloroethane
 Concen: 0.212 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VU039552.D
 Acq: 17 Jul 2020 15:16

Instrument :
 MSVOA_U
 ClientSampled :
 BFT92

Tot Ion: 63 Resp: 2386
 Ion Ratio Lower Upper
 63 100
 65 23.5 23.0 42.6
 83 0.0 9.6 17.8#

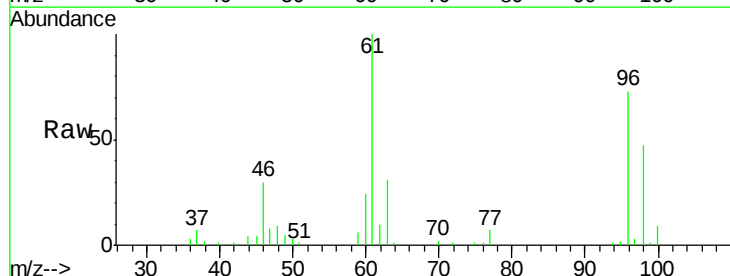


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

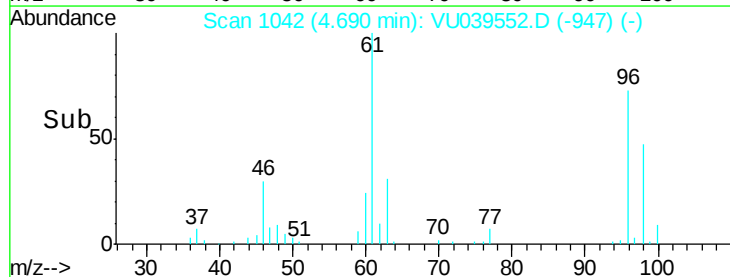
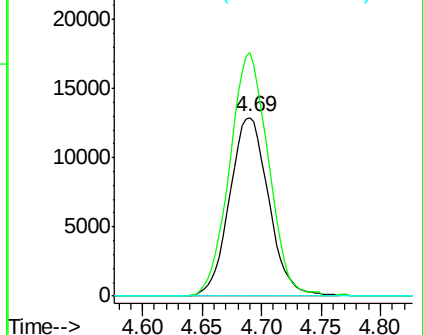


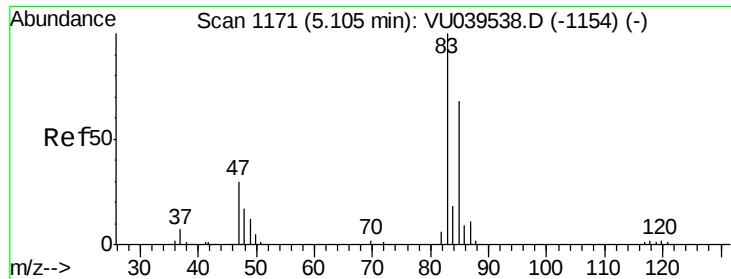
#22
 cis-1,2-Dichloroethene
 Concen: 4.545 ug/L
 RT: 4.69 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: VU039552.D
 Acq: 17 Jul 2020 15:16

Tgt Ion: 96 Resp: 29366
 Ion Ratio Lower Upper
 96 100
 61 136.1 92.8 172.4
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

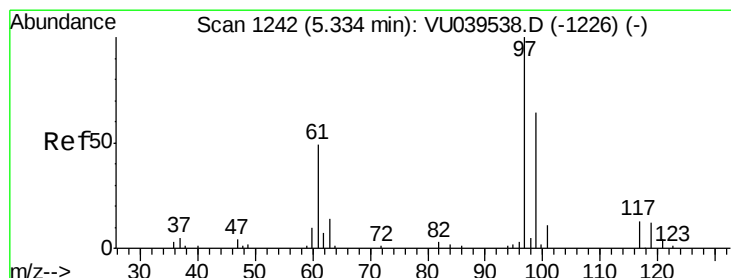
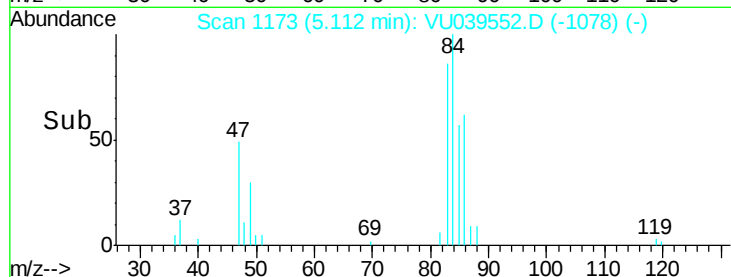
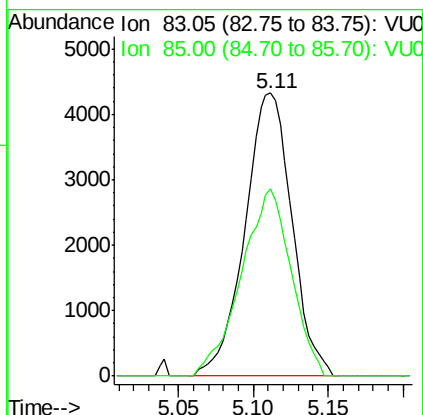
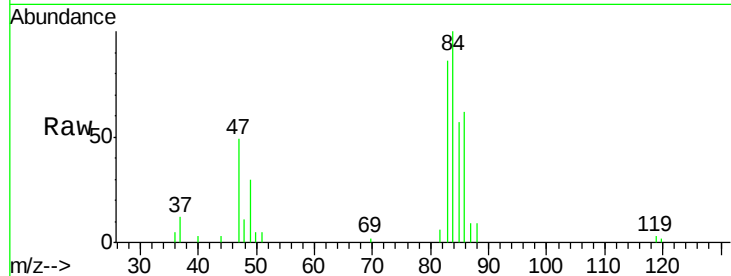




#25
Chloroform
Concen: 0.830 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VU039552.D
Acq: 17 Jul 2020 15:16

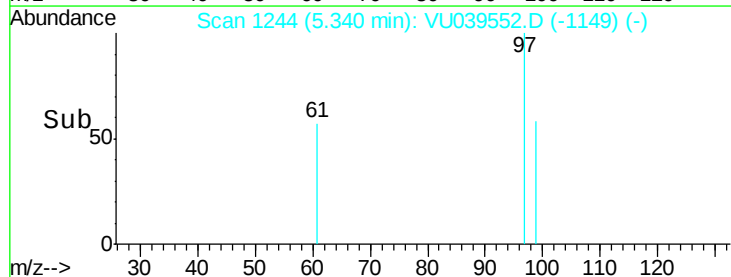
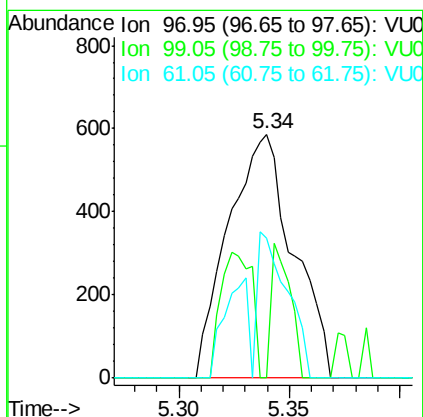
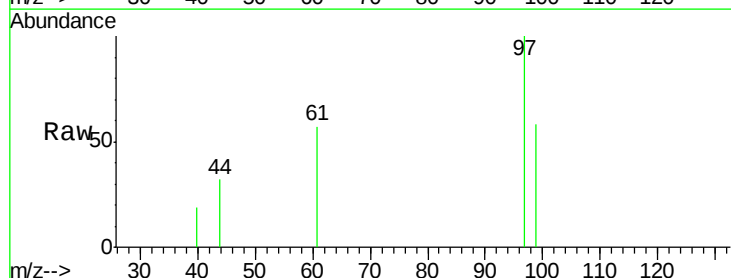
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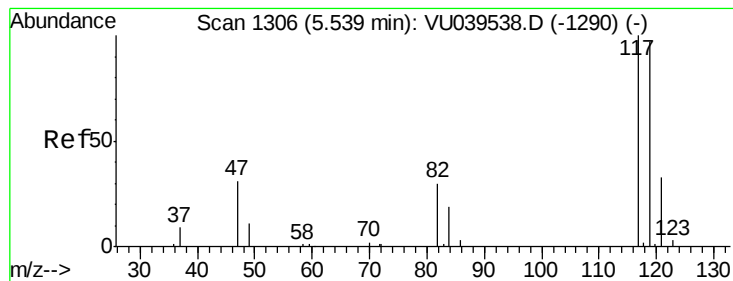
Tot Ion: 83 Resp: 9450
Ion Ratio Lower Upper
83 100
85 66.2 44.9 83.5



#29
1,1,1-Trichloroethane
Concen: 0.120 ug/L
RT: 5.34 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VU039552.D
Acq: 17 Jul 2020 15:16

Tgt Ion: 97 Resp: 1194
Ion Ratio Lower Upper
97 100
99 16.2 52.6 79.0#
61 27.6 37.9 56.9#





#31

Carbon tetrachloride

Concen: 0.286 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU039552.D

Acq: 17 Jul 2020 15:16

Instrument :

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ClientSampleId :

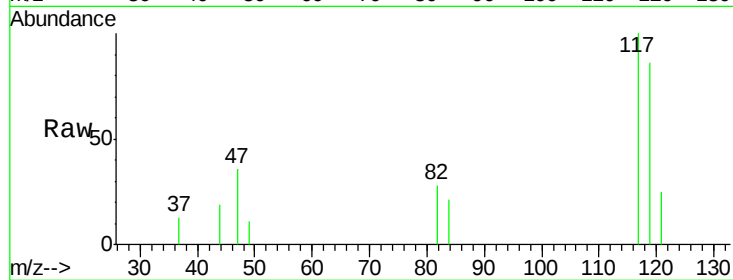
BFT92

Tot Ion:117 Resp: 2419

Ion Ratio Lower Upper

117 100

119 88.8 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

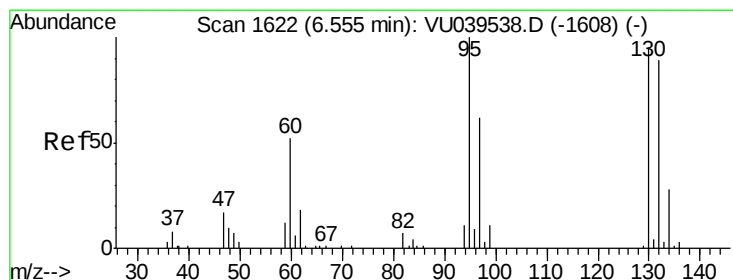
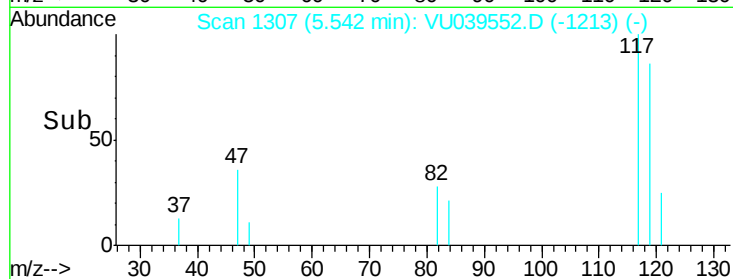
1000

500

0

Time-->

5.50 5.55 5.60



#34

Trichloroethene

Concen: 30.715 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. -0.00 min

Lab File: VU039552.D

Acq: 17 Jul 2020 15:16

Tgt Ion: 95 Resp: 199998

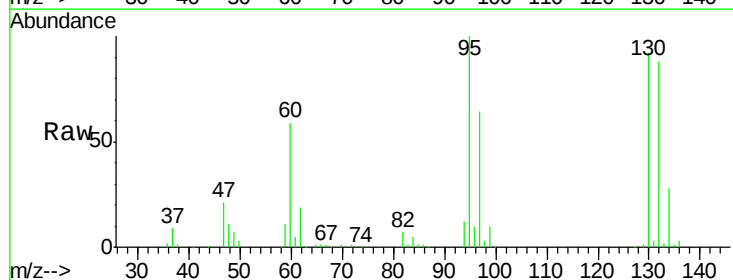
Ion Ratio Lower Upper

95 100

97 64.4 46.3 85.9

132 87.5 64.0 118.8

130 92.5 64.3 119.5



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

150000

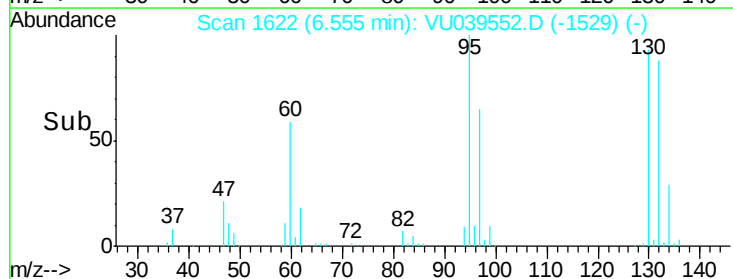
100000

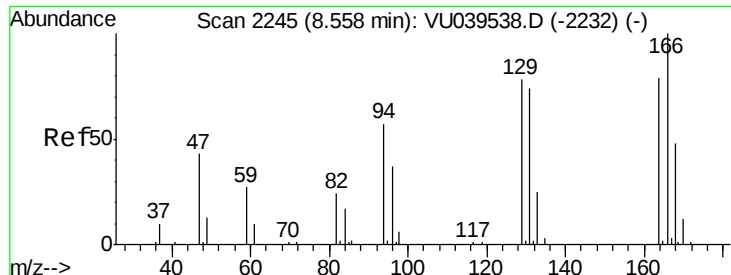
50000

0

Time-->

6.45 6.50 6.55 6.60 6.65





#47

Tetrachloroethene

Concen: 0.637 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU039552.D

Acq: 17 Jul 2020 15:16

Instrument :
MSVOA_U
ClientSampleId :
BFT92

Tot Ion:164 Resp: 2885

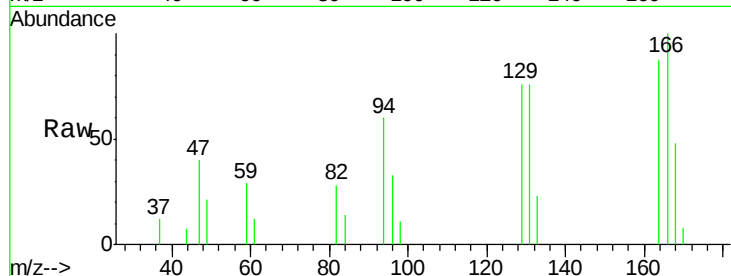
Ion Ratio Lower Upper

164 100

129 87.5 68.6 127.4

131 87.2 66.4 123.4

166 114.7 85.9 159.5



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

