

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071720\
 Data File : VU039560.D
 Acq On : 17 Jul 2020 19:07
 Operator : SY/MD
 Sample : L3292-16
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT91

Quant Time: Jul 18 02:35:05 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	6.26	114	94998	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	98224	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	44177	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	19736	3.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.80%
7) Chloroethane-d5	1.93	69	23421	4.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.20%
11) 1,1-Dichloroethene-d2	2.59	63	61072	5.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	112.80%
20) 2-Butanone-d5	4.65	46	101274	40.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.40%
24) Chloroform-d	5.08	84	50289	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
26) 1,2-Dichloroethane-d4	5.72	65	32452	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%
32) Benzene-d6	5.75	84	96558	4.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.60%
36) 1,2-Dichloropropane-d6	6.71	67	32019	3.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	77.00%
41) Toluene-d8	7.91	98	86691	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
43) trans-1,3-Dichloropropene-	8.19	79	13168	3.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.80%
46) 2-Hexanone-d5	8.64	63	71293	32.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	65.52%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	31019	3.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	75.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	35041	4.44	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	784	0.136 ug/L	92
3) Chloromethane	1.53	50	879	0.126 ug/L #	79
5) Vinyl chloride	1.61	62	2426	0.313 ug/L #	79
9) Trichlorofluoromethane	2.15	101	6206	0.461 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	20339	3.685 ug/L	99
12) 1,1-Dichloroethene	2.59	96	51876	9.182 ug/L #	80
13) Acetone	2.66	43	4642	3.414 ug/L	67
14) Carbon disulfide	2.81	76	6935	0.348 ug/L	97
17) Methyl tert-butyl Ether	3.39	73	7767	0.436 ug/L #	86
19) 1,1-Dichloroethane	3.89	63	15647	1.279 ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	74914	10.682 ug/L	99
25) Chloroform	5.11	83	7311	0.592 ug/L	95
29) 1,1,1-Trichloroethane	5.34	97	20402	1.763 ug/L	98
33) Benzene	5.79	78	7615	0.259 ug/L	100
34) Trichloroethene	6.56	95	622361	81.976 ug/L	98
47) Tetrachloroethene	8.56	164	1170652	221.676 ug/L	96

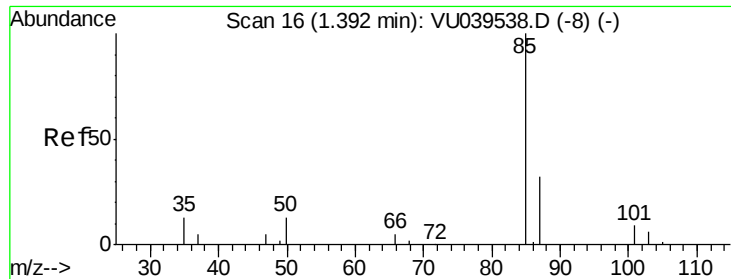
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071720\
Data File : VU039560.D
Acq On : 17 Jul 2020 19:07
Operator : SY/MD
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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 17 23:38:36 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2

Dichlorodifluoromethane

Concen: 0.136 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU039560.D

Acq: 17 Jul 2020 19:07

Instrument :

MSVOA_U

ClientSampleId :

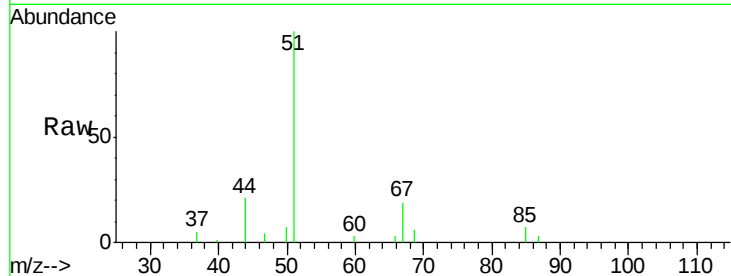
BFT91

Tot Ion: 85 Resp: 784

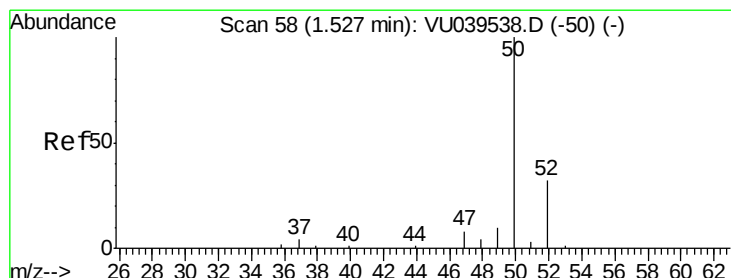
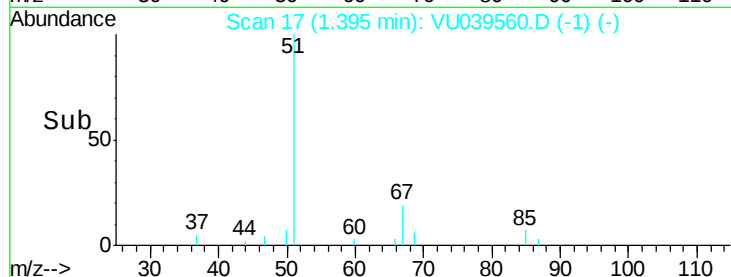
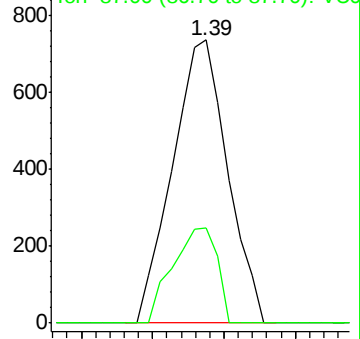
Ion Ratio Lower Upper

85 100

87 27.3 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU039538.D (-8) (-)



#3

Chloromethane

Concen: 0.126 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039560.D

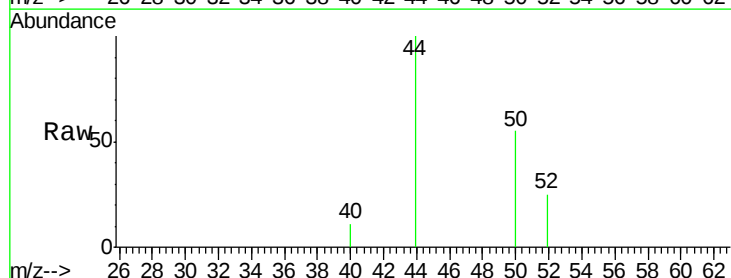
Acq: 17 Jul 2020 19:07

Tgt Ion: 50 Resp: 879

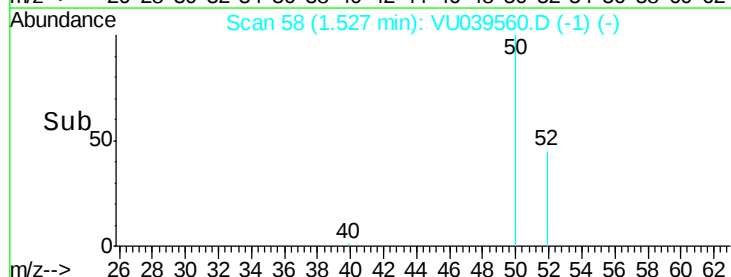
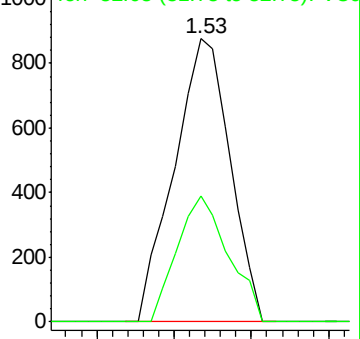
Ion Ratio Lower Upper

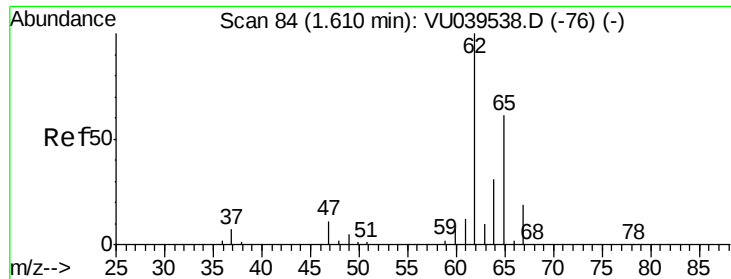
50 100

52 44.5 23.0 42.8#



Abundance Ion 50.05 (49.75 to 50.75): VU039538.D (-50) (-)





#5

Vinyl chloride

Concen: 0.313 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039560.D

Acq: 17 Jul 2020 19:07

Instrument :

MSVOA_U

ClientSampleId :

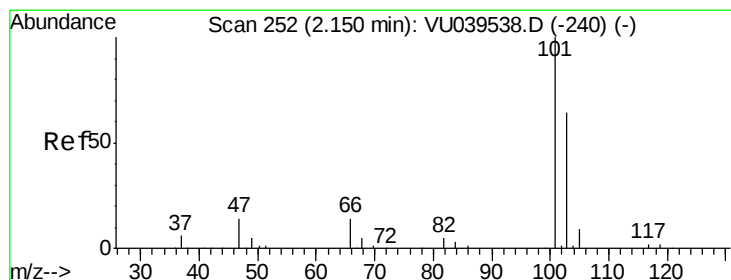
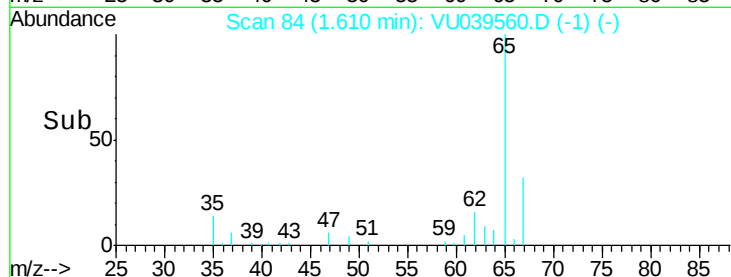
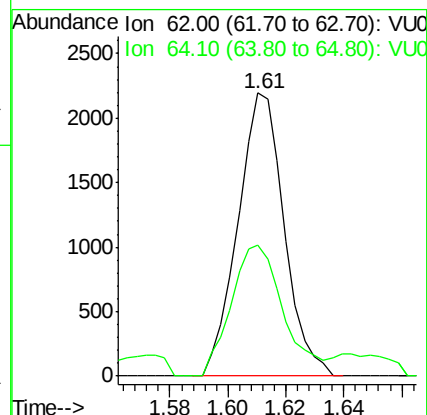
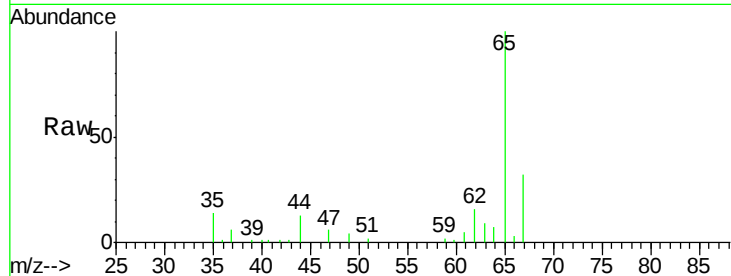
BFT91

Tot Ion: 62 Resp: 2426

Ion Ratio Lower Upper

62 100

64 46.1 23.7 44.1#



#9

Trichlorofluoromethane

Concen: 0.461 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU039560.D

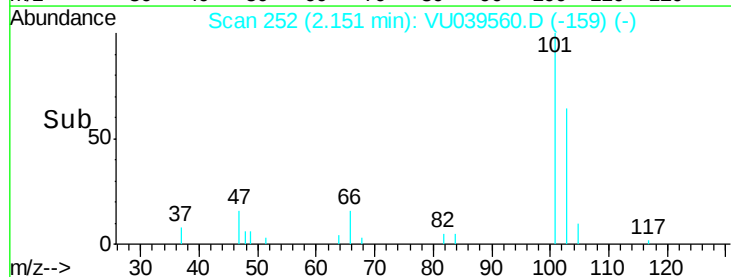
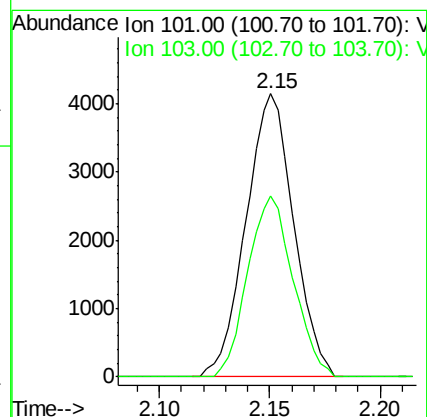
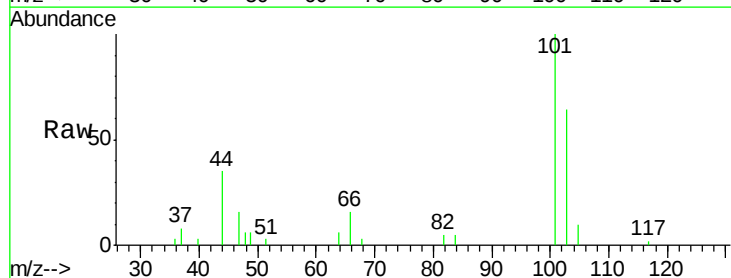
Acq: 17 Jul 2020 19:07

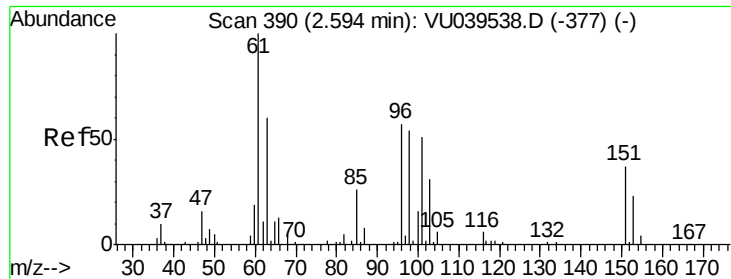
Tgt Ion: 101 Resp: 6206

Ion Ratio Lower Upper

101 100

103 60.8 50.6 76.0





#10

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

Concen: 3.685 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039560.D

Acq: 17 Jul 2020 19:07

Instrument :

MSVOA_U

ClientSampleId :

BFT91

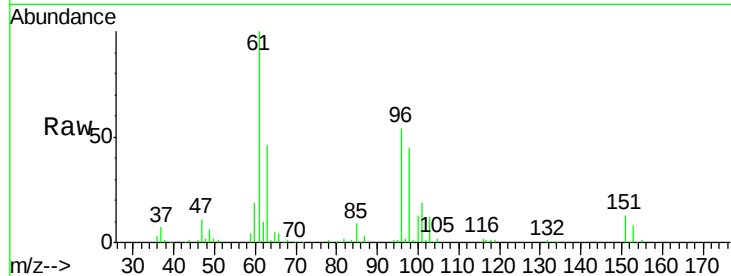
Tot Ion:101 Resp: 20339

Ion Ratio Lower Upper

101 100

85 49.7 38.9 58.3

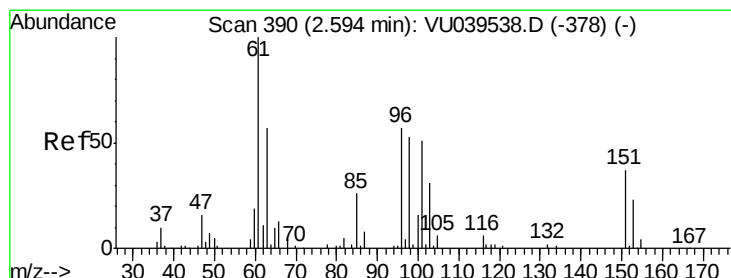
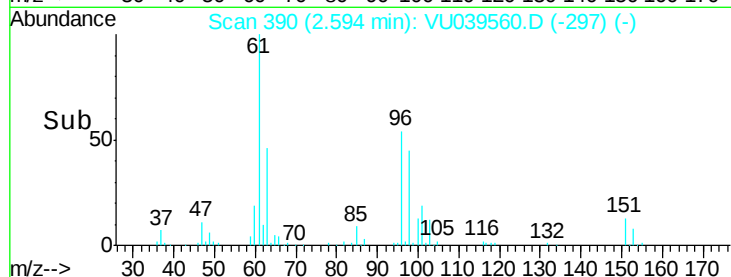
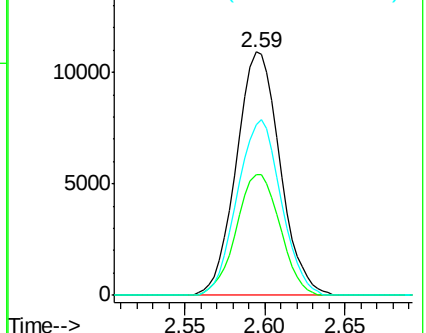
151 72.2 57.0 85.4



Abundance Ion 101.00 (100.70 to 101.70): VU039538.D (-377) (-)

Ion 85.00 (84.70 to 85.70): VU039538.D (-377) (-)

Ion 151.00 (150.70 to 151.70): VU039538.D (-377) (-)



#12

1,1-Dichloroethene

Concen: 9.182 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039560.D

Acq: 17 Jul 2020 19:07

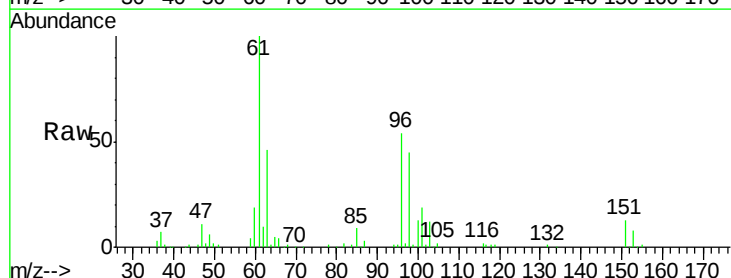
Tgt Ion: 96 Resp: 51876

Ion Ratio Lower Upper

96 100

61 184.8 125.4 232.8

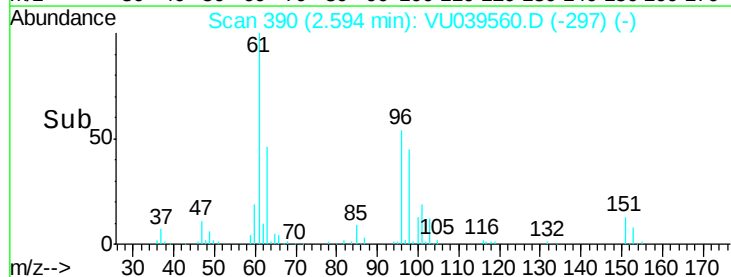
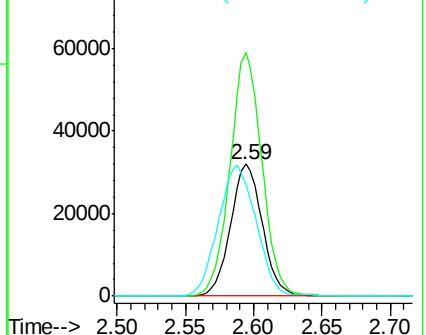
63 84.6 92.7 172.3#

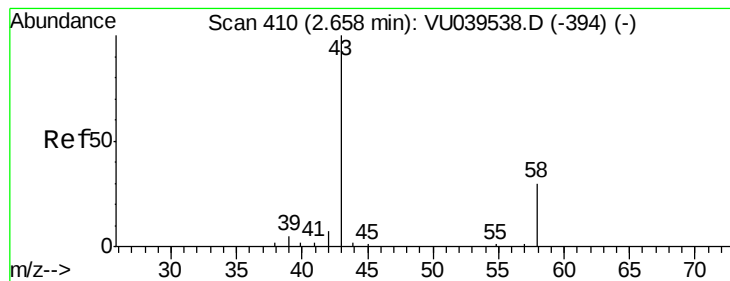


Abundance Ion 96.00 (95.70 to 96.70): VU039538.D (-378) (-)

Ion 61.05 (60.75 to 61.75): VU039538.D (-378) (-)

Ion 63.00 (62.70 to 63.70): VU039538.D (-378) (-)





#13

Acetone

Concen: 3.414 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU039560.D

Acq: 17 Jul 2020 19:07

Instrument :

MSVOA_U

ClientSampleId :

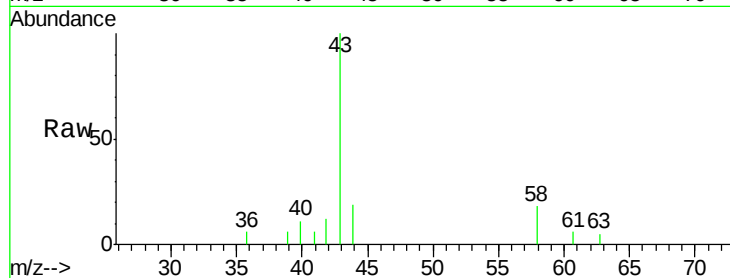
BFT91

Tot Ion: 43 Resp: 4642

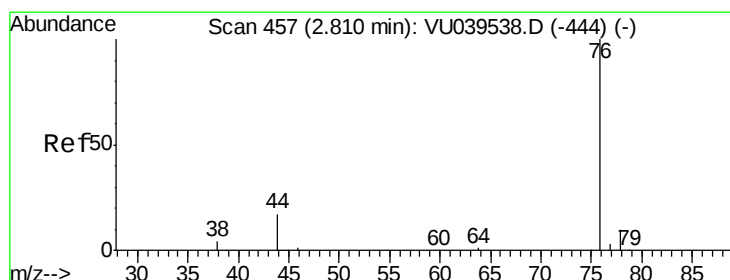
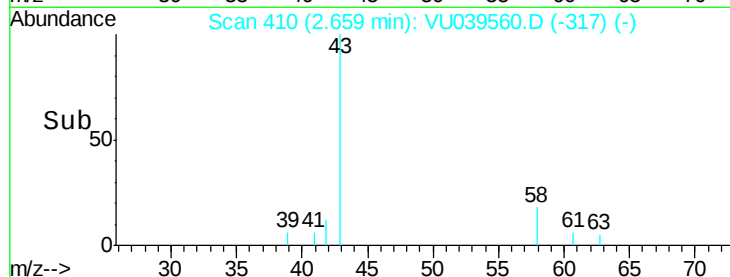
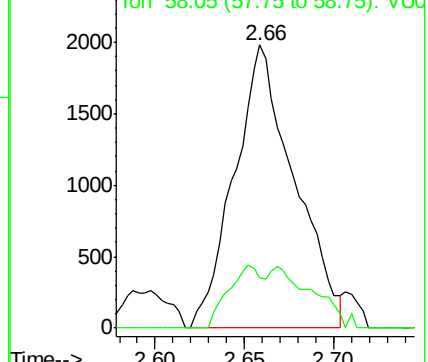
Ion Ratio Lower Upper

43 100

58 13.0 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039538.D (-394) (-)



#14

Carbon disulfide

Concen: 0.348 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039560.D

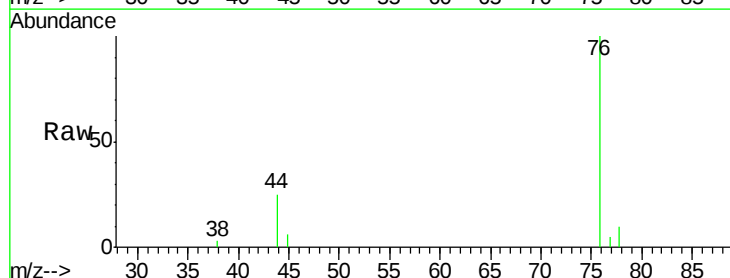
Acq: 17 Jul 2020 19:07

Tgt Ion: 76 Resp: 6935

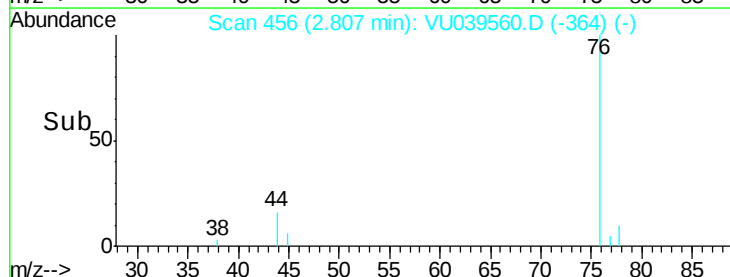
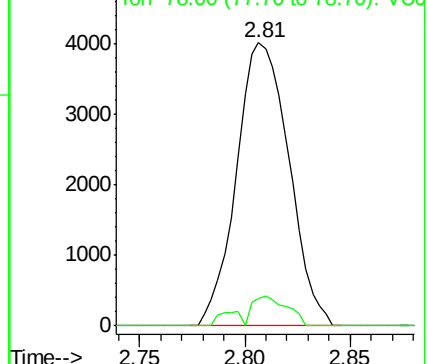
Ion Ratio Lower Upper

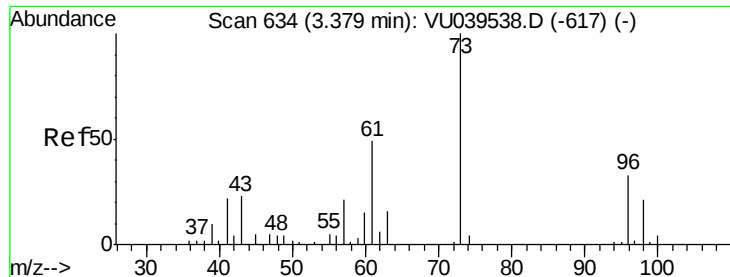
76 100

78 9.8 7.0 10.4



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

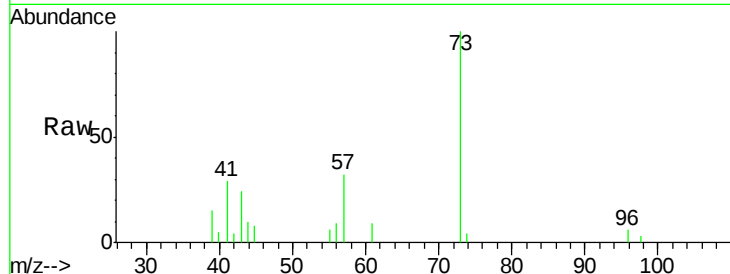




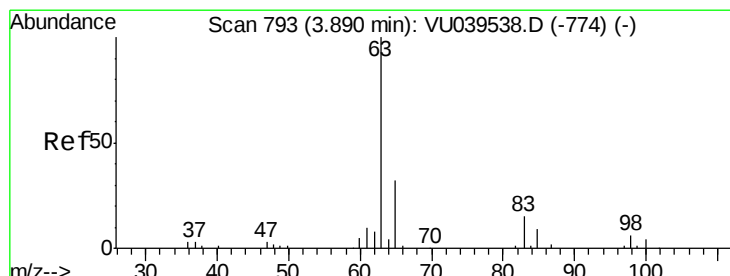
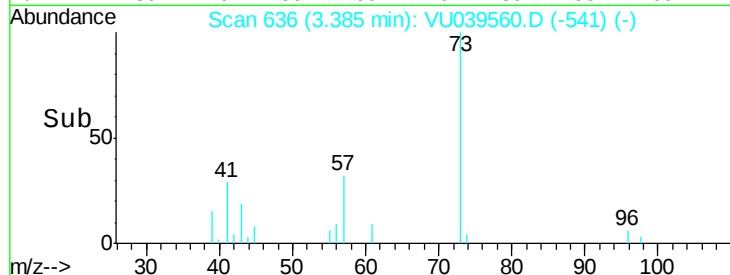
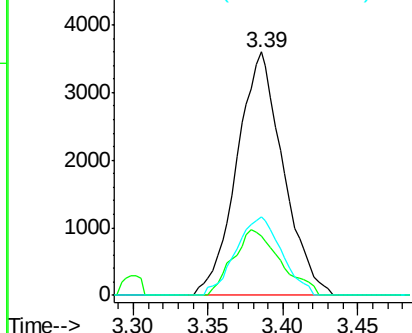
#17
Methvl tert-butvl Ether
Concen: 0.436 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.01 min
Lab File: VU039560.D
Acq: 17 Jul 2020 19:07

Instrument :
MSVOA_U
ClientSampleId :
BFT91

Tot Ion: 73 Resp: 7767
Ion Ratio Lower Upper
73 100
43 27.5 18.6 28.0
57 32.0 17.9 26.9#

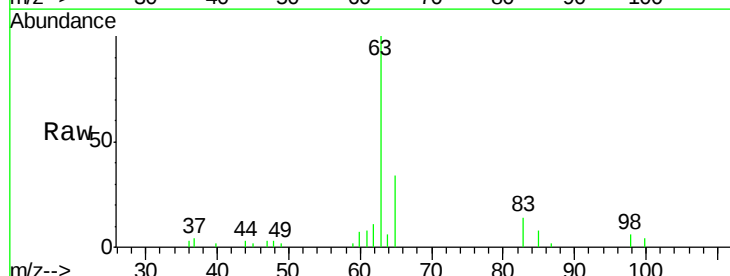


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

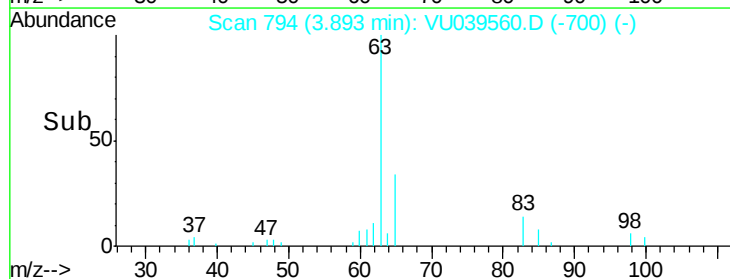
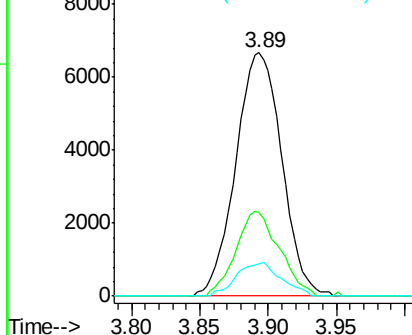


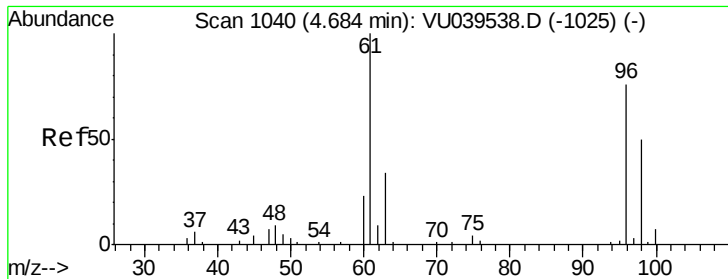
#19
1,1-Dichloroethane
Concen: 1.279 ug/L
RT: 3.89 min Scan# 794
Delta R.T. 0.00 min
Lab File: VU039560.D
Acq: 17 Jul 2020 19:07

Tgt Ion: 63 Resp: 15647
Ion Ratio Lower Upper
63 100
65 32.5 23.0 42.6
83 12.8 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



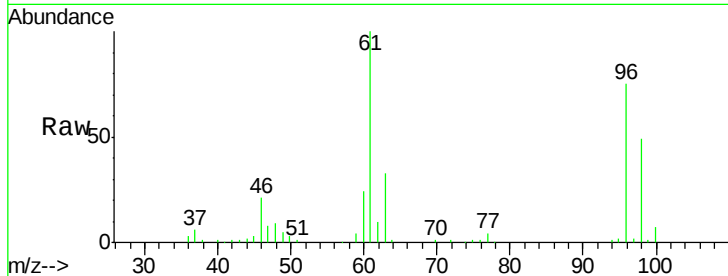


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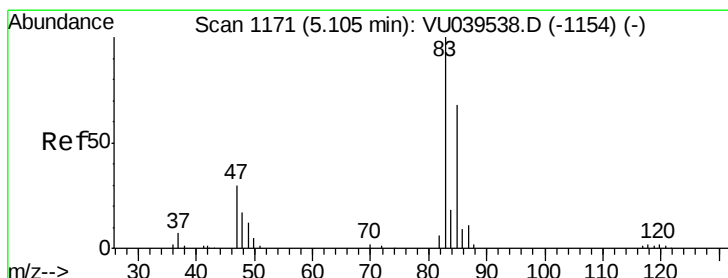
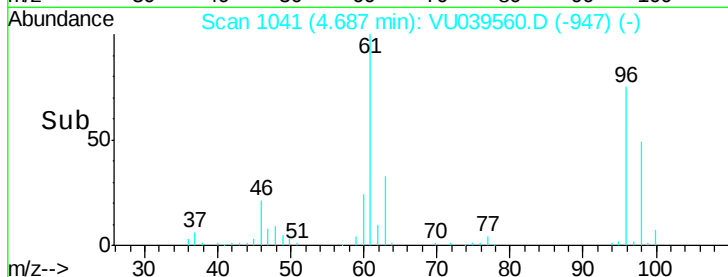
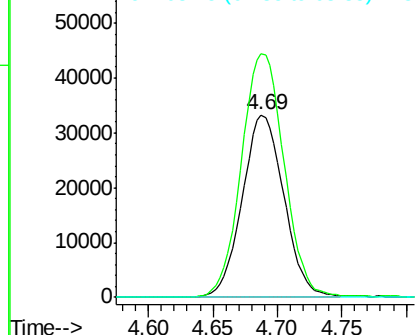
cis-1,2-Dichloroethene
 Concen: 10.682 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU039560.D
 Acq: 17 Jul 2020 19:07

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT91

Tot Ion: 96 Resp: 74914
 Ion Ratio Lower Upper
 96 100
 61 133.5 92.8 172.4
 68 0.0 0.0 0.0



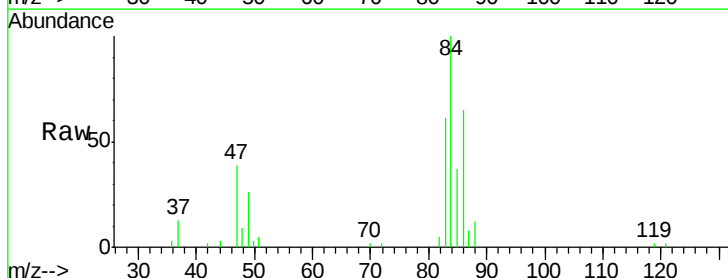
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



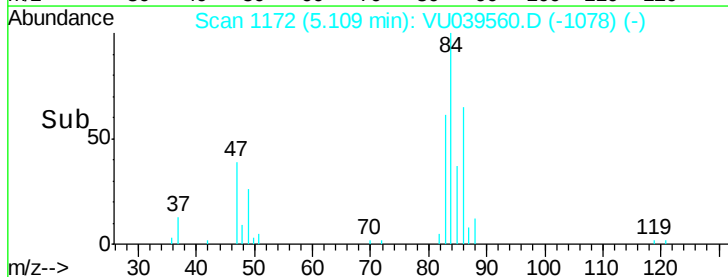
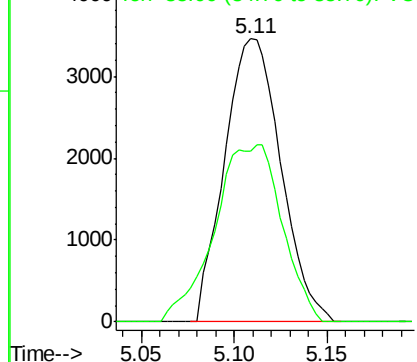
#25

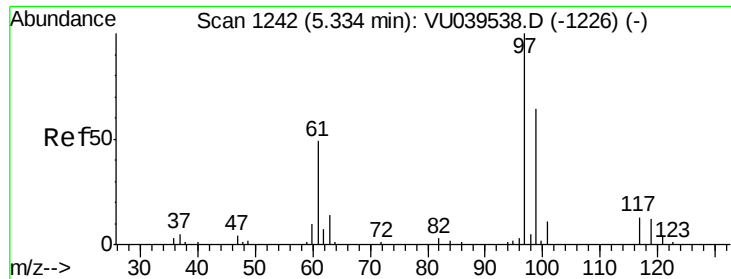
Chloroform
 Concen: 0.592 ug/L
 RT: 5.11 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU039560.D
 Acq: 17 Jul 2020 19:07

Tgt Ion: 83 Resp: 7311
 Ion Ratio Lower Upper
 83 100
 85 60.4 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0

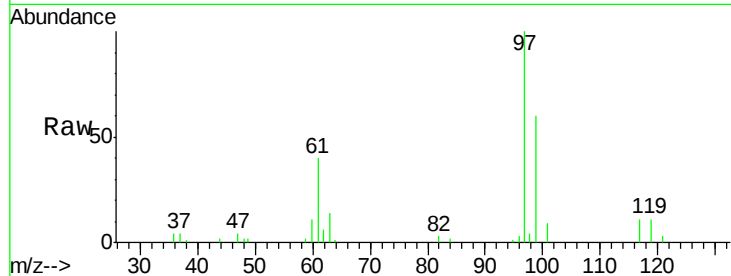




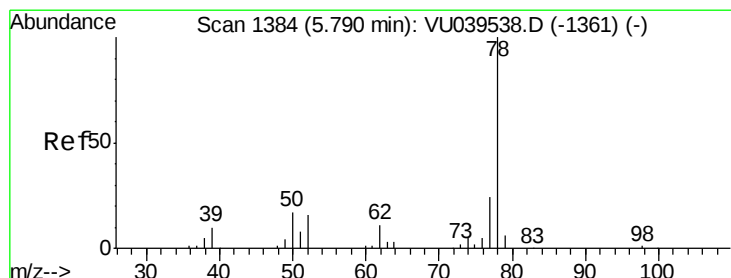
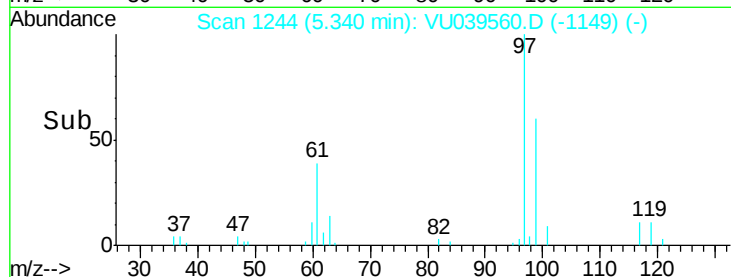
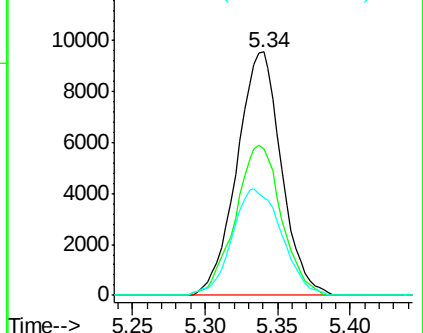
#29
 1,1,1-Trichloroethane
 Concen: 1.763 ug/L
 RT: 5.34 min Scan# 1244
 Delta R.T. 0.01 min
 Lab File: VU039560.D
 Acq: 17 Jul 2020 19:07

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT91

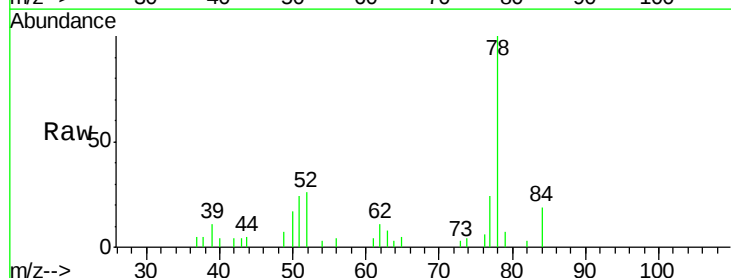
Tot Ion: 97 Resp: 20402
 Ion Ratio Lower Upper
 97 100
 99 63.7 52.6 79.0
 61 48.5 37.9 56.9



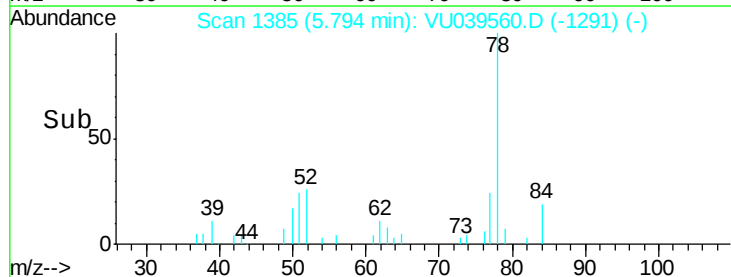
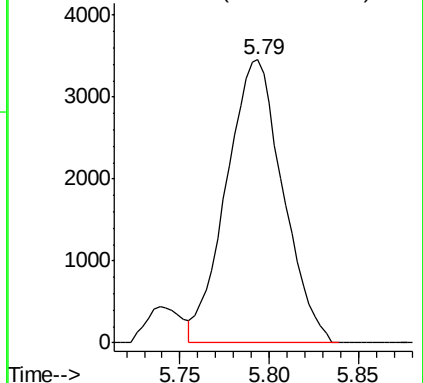
Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

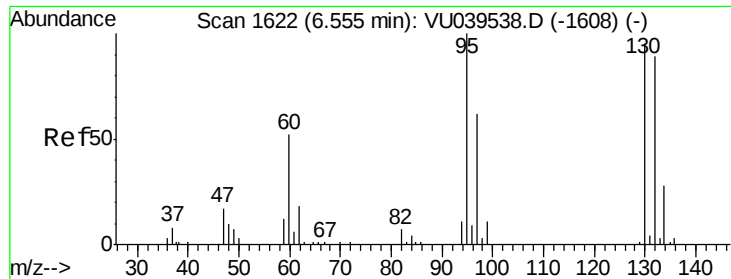


#33
 Benzene
 Concen: 0.259 ug/L
 RT: 5.79 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VU039560.D
 Acq: 17 Jul 2020 19:07
 Tgt Ion: 78 Resp: 7615



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 81.976 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039560.D

Acq: 17 Jul 2020 19:07

Instrument :

MSVOA_U

ClientSampleId :

BFT91

Tot Ion: 95 Resp: 622361

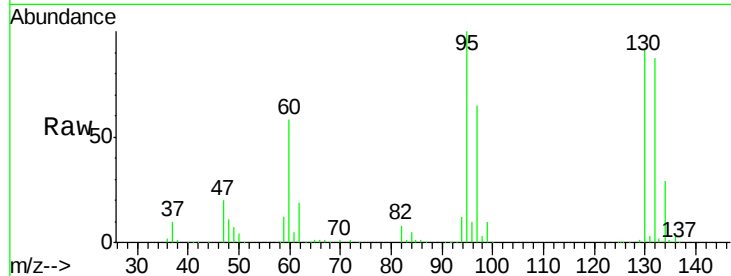
Ion Ratio Lower Upper

95 100

97 64.6 46.3 85.9

132 87.5 64.0 118.8

130 92.3 64.3 119.5

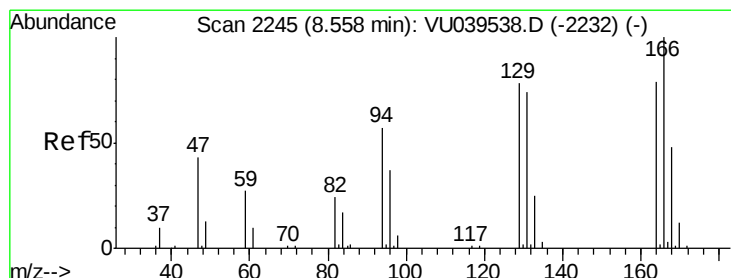
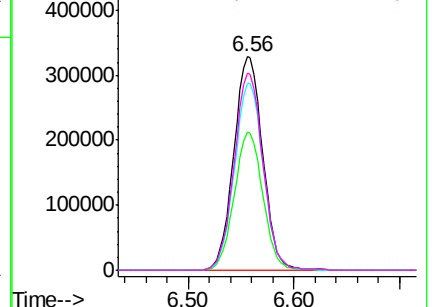
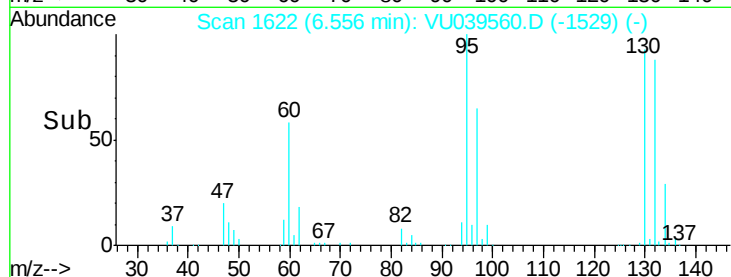


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#47

Tetrachloroethene

Concen: 221.676 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VU039560.D

Acq: 17 Jul 2020 19:07

Tgt Ion:164 Resp: 1170652

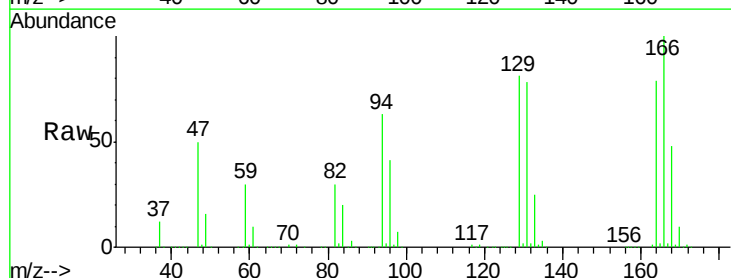
Ion Ratio Lower Upper

164 100

129 102.2 68.6 127.4

131 98.6 66.4 123.4

166 127.0 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

