

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071720\
 Data File : VU039558.D
 Acq On : 17 Jul 2020 18:21
 Operator : SY/MD
 Sample : L3292-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT79

Quant Time: Jul 17 23:44:49 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	91357	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	91214	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	41934	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	18701	3.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.60%
7) Chloroethane-d5	1.92	69	22887	4.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.60%
11) 1,1-Dichloroethene-d2	2.58	63	31968	3.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.40%
20) 2-Butanone-d5	4.65	46	97536	40.26	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.52%
24) Chloroform-d	5.08	84	45137	4.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.00%
26) 1,2-Dichloroethane-d4	5.72	65	31260	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
32) Benzene-d6	5.75	84	90385	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.40%
36) 1,2-Dichloropropane-d6	6.71	67	31596	4.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.00%
41) Toluene-d8	7.91	98	80857	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	8.19	79	12441	3.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.00%
46) 2-Hexanone-d5	8.64	63	67582	33.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	66.88%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	29523	3.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	31944	4.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.40%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	1415	0.211 ug/L	98
8) Chloroethane	1.95	64	528	0.098 ug/L #	41
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	1885	0.355 ug/L #	89
12) 1,1-Dichloroethene	2.59	96	3255	0.599 ug/L #	1
13) Acetone	2.66	43	2455	1.877 ug/L	96
17) Methyl tert-butyl Ether	3.39	73	35364	2.066 ug/L	100
19) 1,1-Dichloroethane	3.90	63	2160	0.184 ug/L	93
22) cis-1,2-Dichloroethene	4.69	96	3589	0.532 ug/L	88
25) Chloroform	5.11	83	9107	0.766 ug/L	90
29) 1,1,1-Trichloroethane	5.34	97	1100	0.102 ug/L #	48
34) Trichloroethene	6.56	95	127229	18.046 ug/L	99
35) Methylcyclohexane	6.71	83	7462	0.661 ug/L #	22
37) 1,2-Dichloropropane	6.71	63	3891	0.523 ug/L #	91
39) cis-1,3-Dichloropropene	7.58	75	1174	0.104 ug/L #	49
45) 1,1,2-Trichloroethane	8.56	97	4792	0.897 ug/L #	12
47) Tetrachloroethene	8.56	164	456588	93.105 ug/L	98
49) Dibromochloromethane	8.56	129	446567	69.045 ug/L #	10

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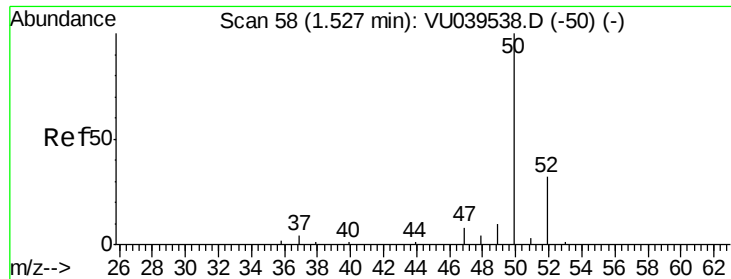
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.81	75	6864	1.253	ug/L	98

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

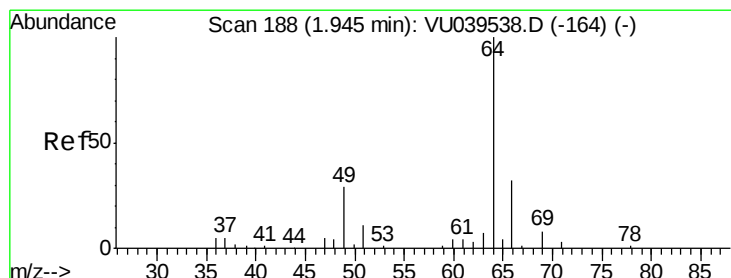
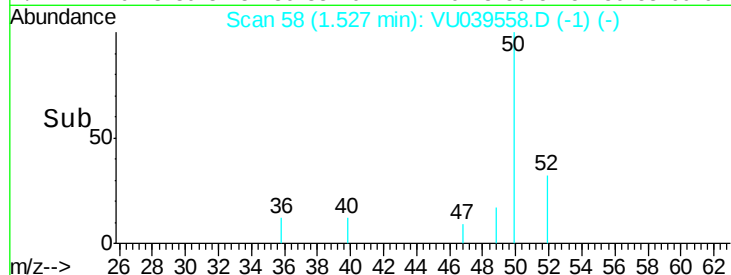
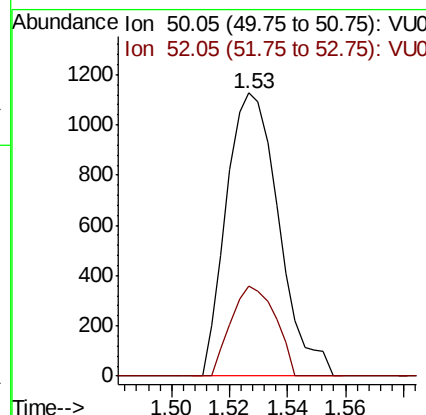
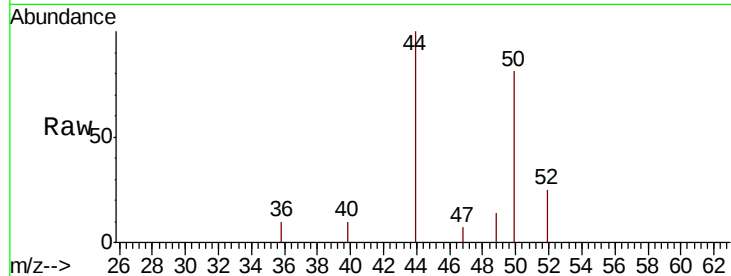
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU071720\
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ALS Vial : 24 Sample Multiplier: 1



#3
 Chloromethane
 Concen: 0.211 ug/L
 RT: 1.53 min Scan# 58
 Delta R.T. 0.00 min
 Lab File: VU039558.D
 Acq: 17 Jul 2020 18:21

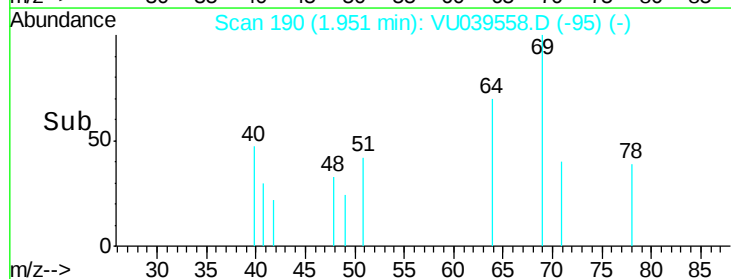
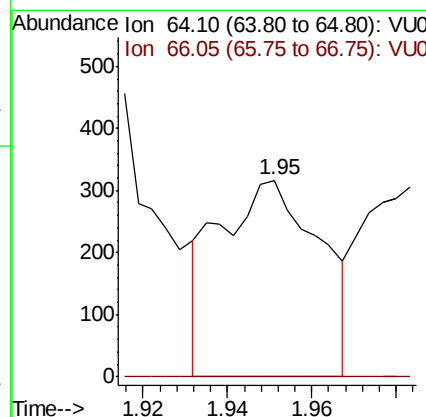
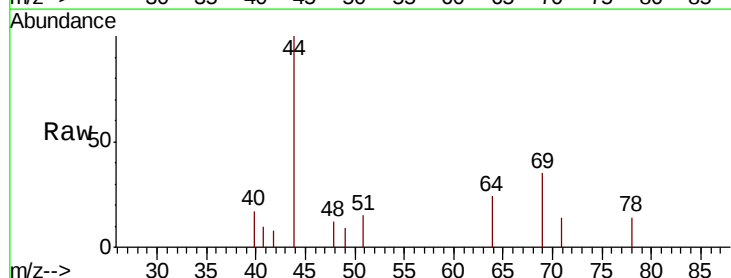
Instrument :
 MSVOA_U
 ClientSampleId :
 BFT79

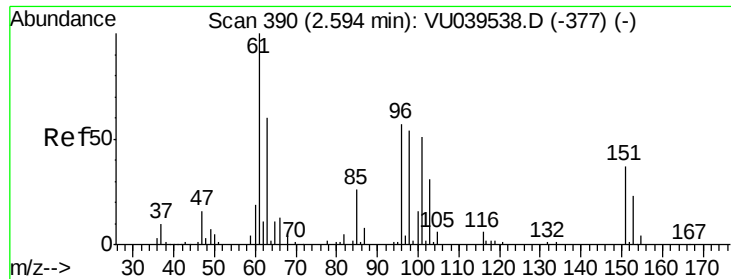
Tot Ion: 50 Resp: 1415
 Ion Ratio Lower Upper
 50 100
 52 31.6 23.0 42.8



#8
 Chloroethane
 Concen: 0.098 ug/L
 RT: 1.95 min Scan# 190
 Delta R.T. 0.01 min
 Lab File: VU039558.D
 Acq: 17 Jul 2020 18:21

Tgt Ion: 64 Resp: 528
 Ion Ratio Lower Upper
 64 100
 66 0.0 23.5 43.7#





#10

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

Concen: 0.355 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039558.D

Acq: 17 Jul 2020 18:21

Instrument :

MSVOA_U

ClientSampleId :

BFT79

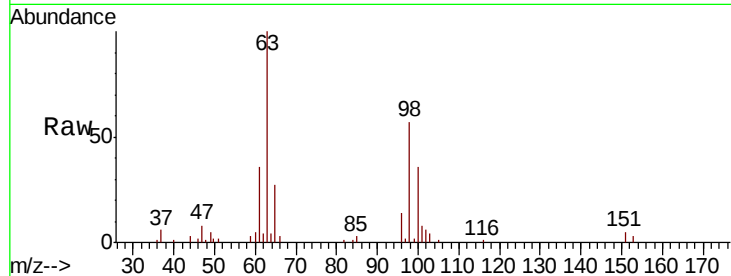
Tot Ion:101 Resp: 1885

Ion Ratio Lower Upper

101 100

85 36.2 38.9 58.3#

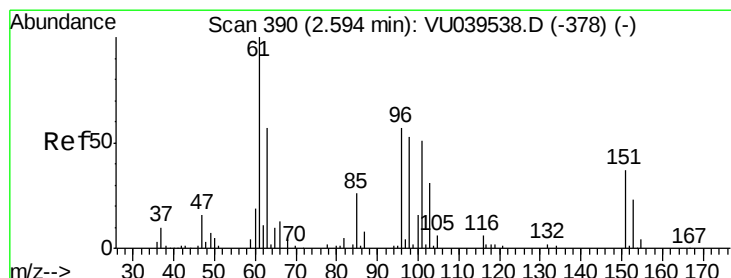
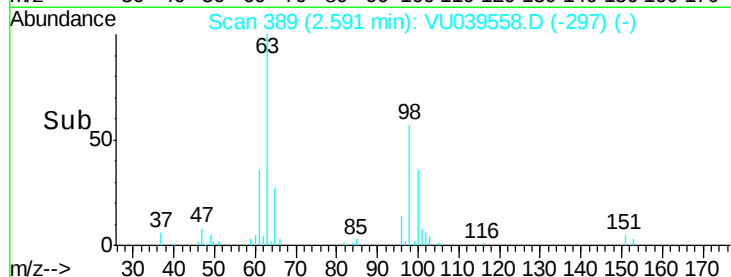
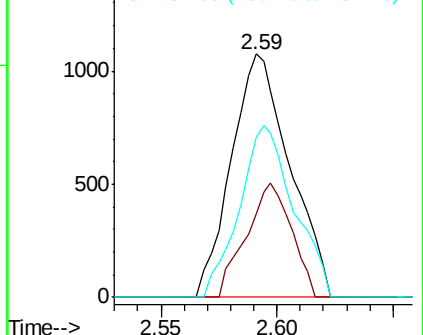
151 65.6 57.0 85.4



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: 0.599 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039558.D

Acq: 17 Jul 2020 18:21

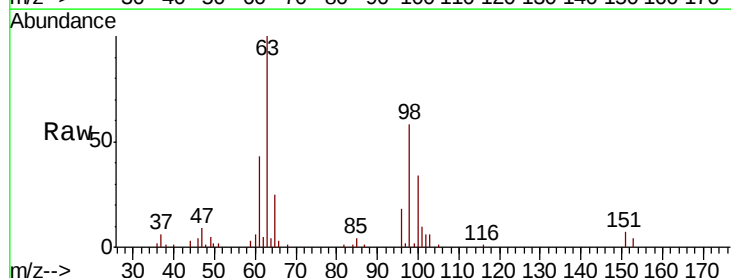
Tgt Ion: 96 Resp: 3255

Ion Ratio Lower Upper

96 100

61 240.0 125.4 232.8#

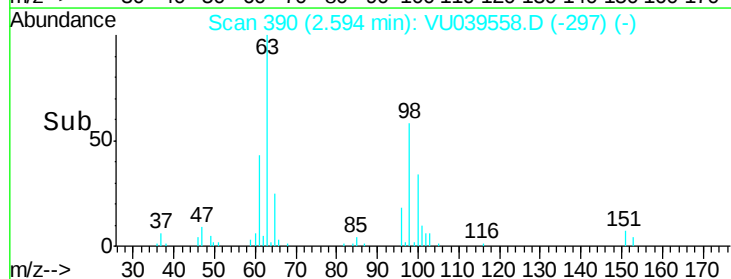
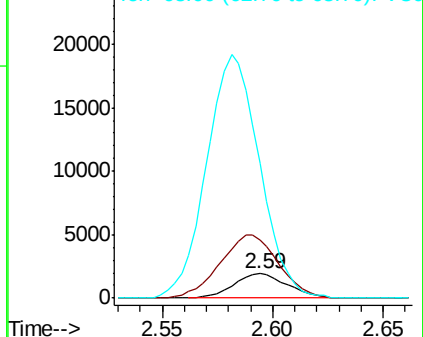
63 557.8 92.7 172.3#

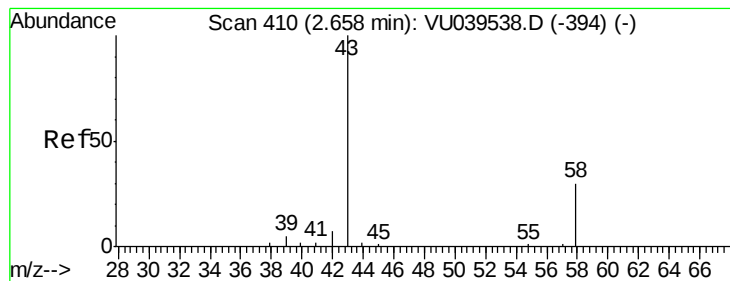


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.877 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.01 min

Lab File: VU039558.D

Acq: 17 Jul 2020 18:21

Instrument :

MSVOA_U

ClientSampleId :

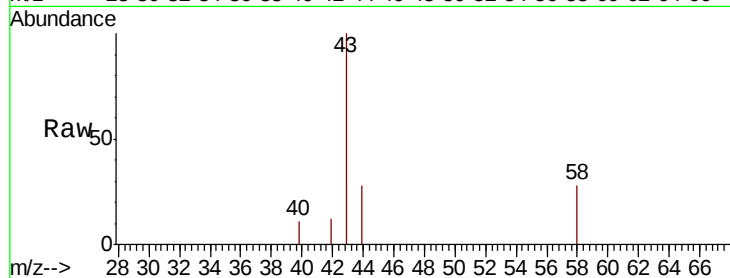
BFT79

Tot Ion: 43 Resp: 2455

Ion Ratio Lower Upper

43 100

58 29.4 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039558.D (-317) (-)

Ion 58.05 (57.75 to 58.75): VU039558.D (-317) (-)

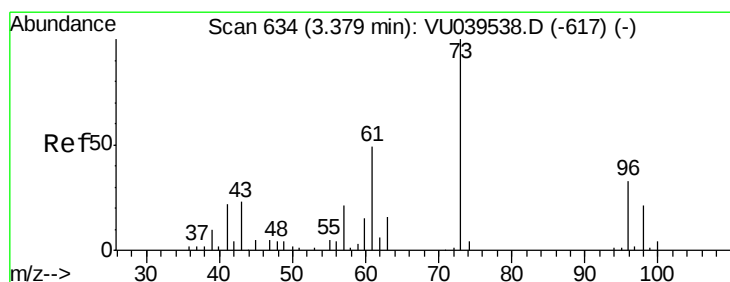
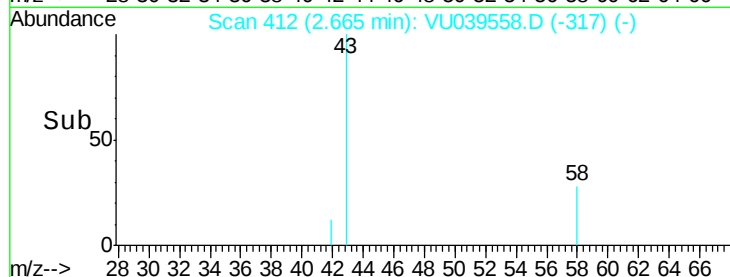
2.66

1000

500

0

Time--> 2.60 2.65 2.70



#17

Methyl tert-butyl Ether

Concen: 2.066 ug/L

RT: 3.39 min Scan# 636

Delta R.T. 0.01 min

Lab File: VU039558.D

Acq: 17 Jul 2020 18:21

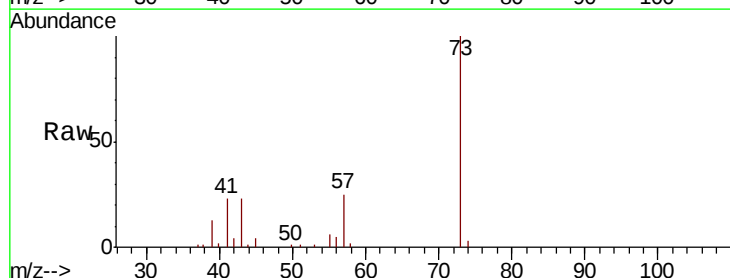
Tgt Ion: 73 Resp: 35364

Ion Ratio Lower Upper

73 100

43 23.3 18.6 28.0

57 22.4 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VU039558.D (-541) (-)

Ion 43.05 (42.75 to 43.75): VU039558.D (-541) (-)

Ion 57.10 (56.80 to 57.80): VU039558.D (-541) (-)

3.39

20000

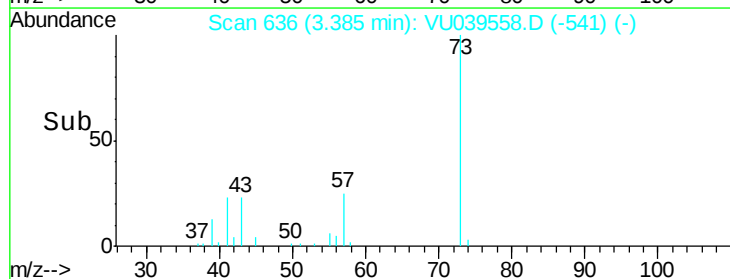
15000

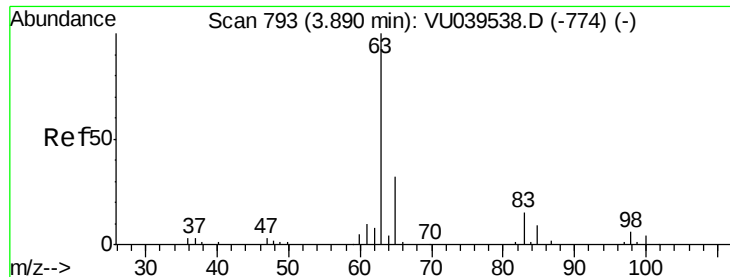
10000

5000

0

Time--> 3.30 3.35 3.40 3.45 3.50





#19

1,1-Dichloroethane

Concen: 0.184 ug/L

RT: 3.90 min Scan# 796

Delta R.T. 0.01 min

Lab File: VU039558.D

Acq: 17 Jul 2020 18:21

Instrument :

MSVOA_U

ClientSampled :

BFT79

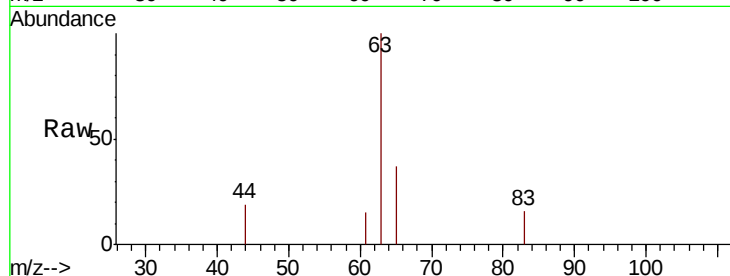
Tot Ion: 63 Resp: 2160

Ion Ratio Lower Upper

63 100

65 36.9 23.0 42.6

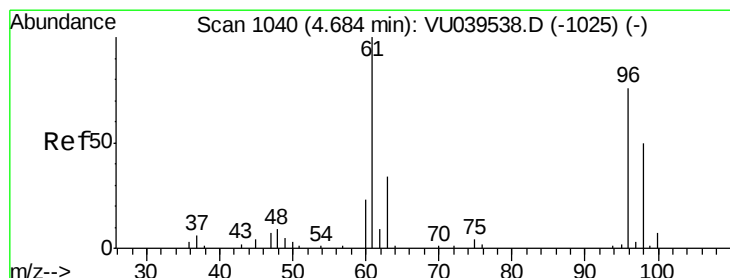
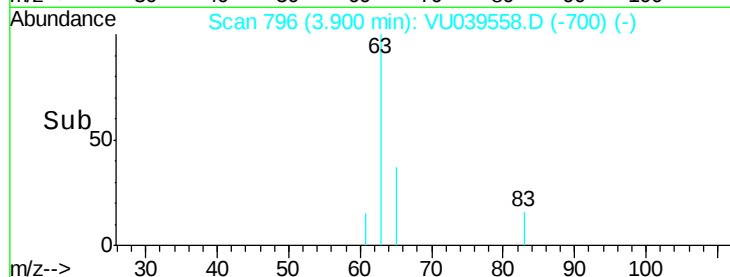
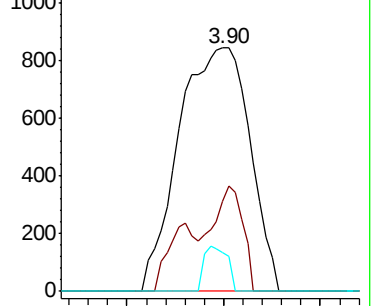
83 15.8 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU039558.D (-774) (-)

Ion 65.10 (64.80 to 65.80): VU039558.D (-774) (-)

Ion 83.05 (82.75 to 83.75): VU039558.D (-774) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.532 ug/L

RT: 4.69 min Scan# 1043

Delta R.T. 0.01 min

Lab File: VU039558.D

Acq: 17 Jul 2020 18:21

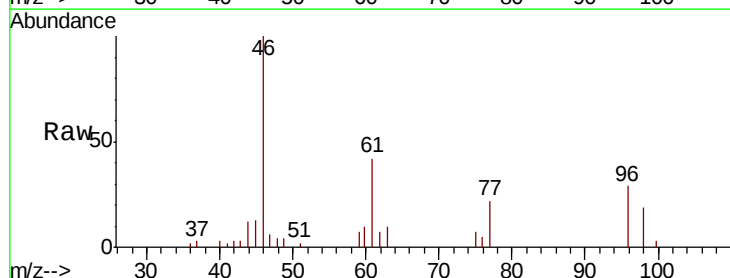
Tgt Ion: 96 Resp: 3589

Ion Ratio Lower Upper

96 100

61 146.8 92.8 172.4

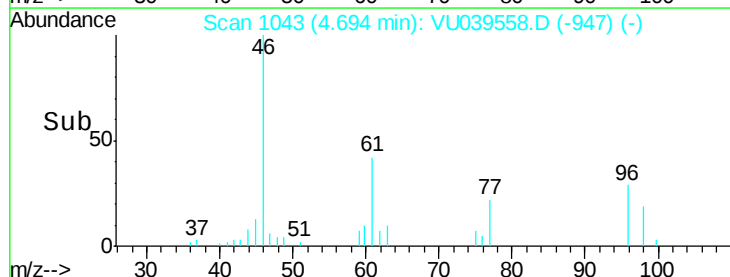
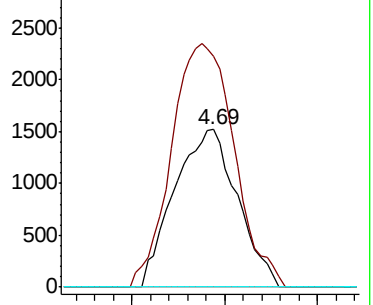
68 0.0 0.0 0.0

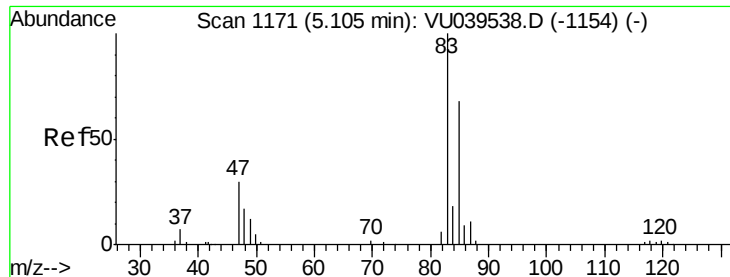


Abundance Ion 96.00 (95.70 to 96.70): VU039558.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU039558.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU039558.D (-947) (-)

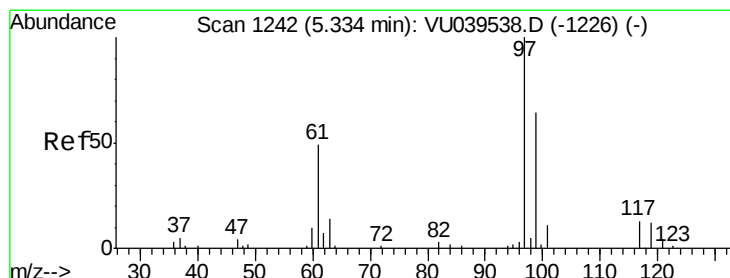
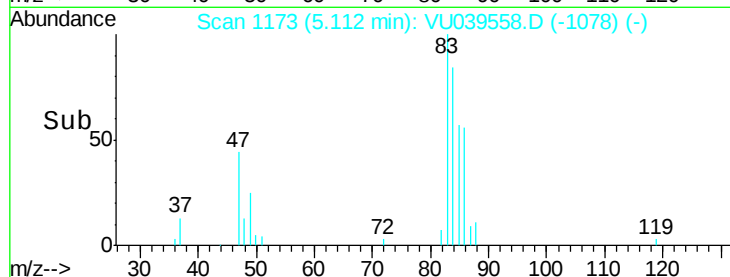
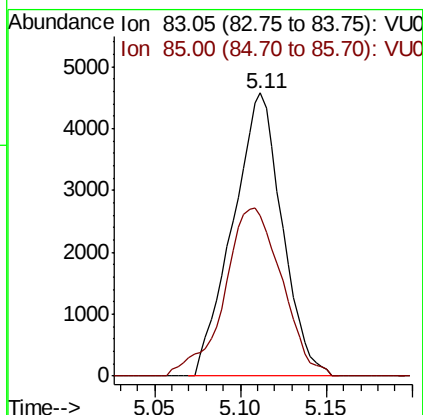
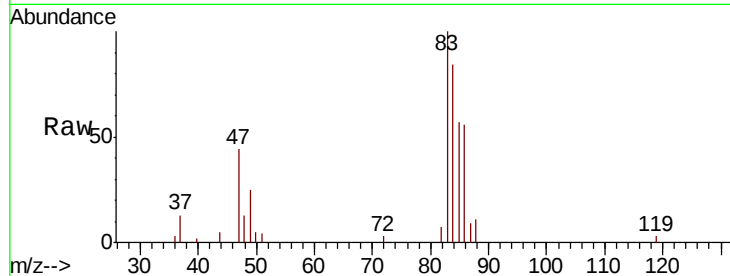




#25
Chloroform
Concen: 0.766 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VU039558.D
Acq: 17 Jul 2020 18:21

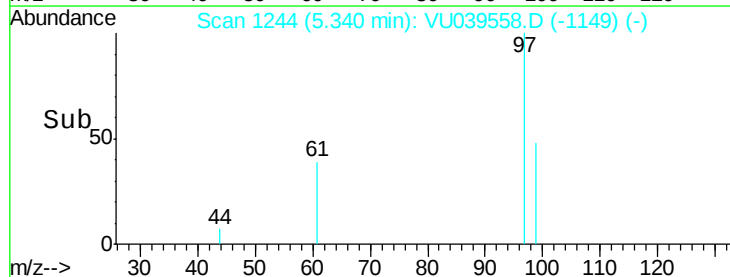
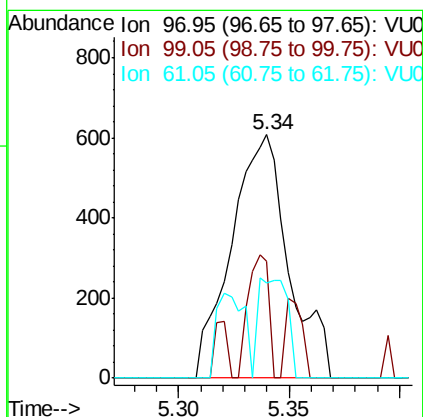
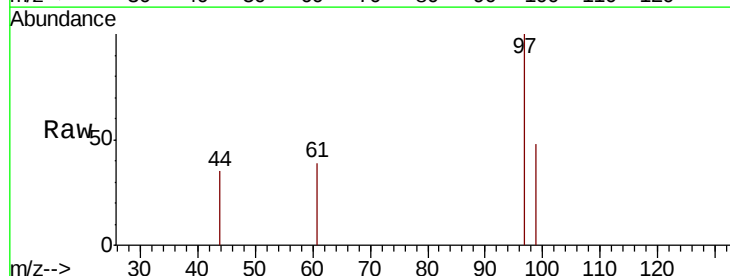
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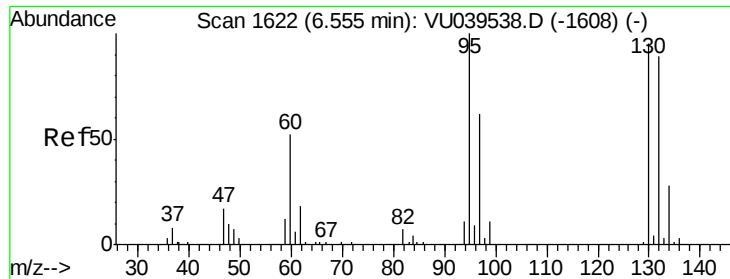
Tot Ion: 83 Resp: 9107
Ion Ratio Lower Upper
83 100
85 56.6 44.9 83.5



#29
1,1,1-Trichloroethane
Concen: 0.102 ug/L
RT: 5.34 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VU039558.D
Acq: 17 Jul 2020 18:21

Tgt Ion: 97 Resp: 1100
Ion Ratio Lower Upper
97 100
99 18.3 52.6 79.0#
61 20.5 37.9 56.9#





#34

Trichloroethene

Concen: 18.046 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039558.D

Acq: 17 Jul 2020 18:21

Instrument :

MSVOA_U

ClientSampleId :

BFT79

Tot Ion: 95 Resp: 127229

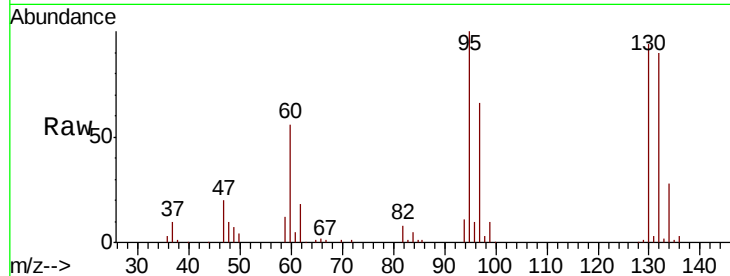
Ion Ratio Lower Upper

95 100

97 65.9 46.3 85.9

132 89.5 64.0 118.8

130 93.7 64.3 119.5

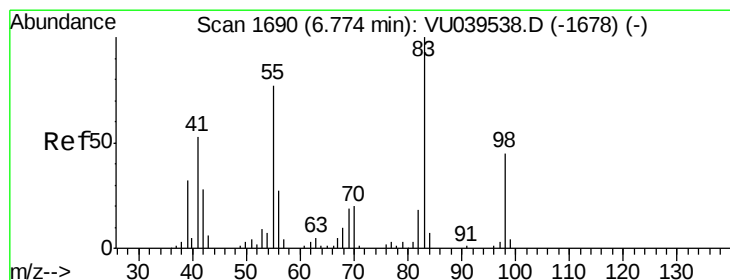
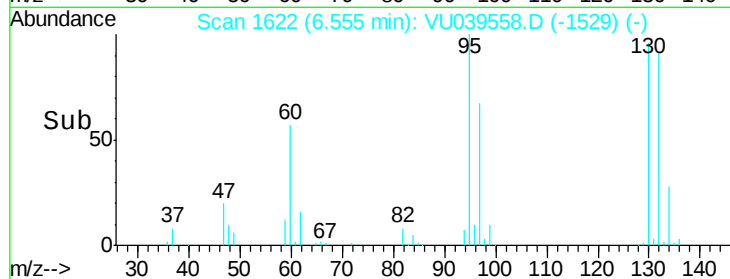
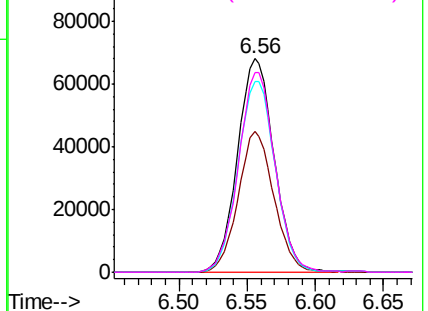


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 0.661 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.07 min

Lab File: VU039558.D

Acq: 17 Jul 2020 18:21

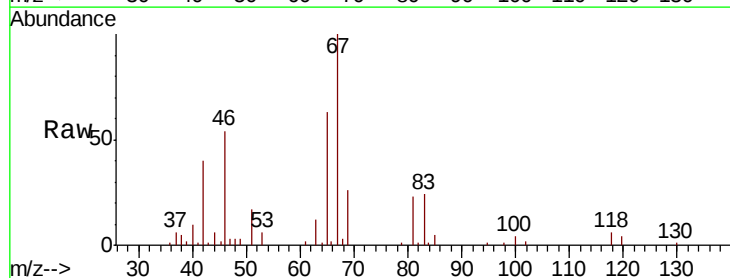
Tgt Ion: 83 Resp: 7462

Ion Ratio Lower Upper

83 100

55 0.0 62.1 93.1#

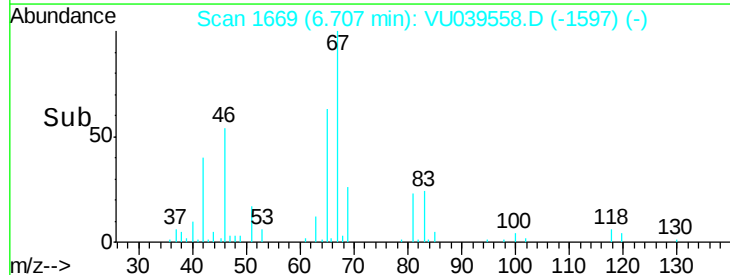
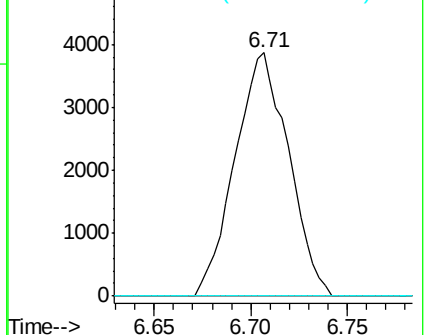
98 7.0 35.9 53.9#

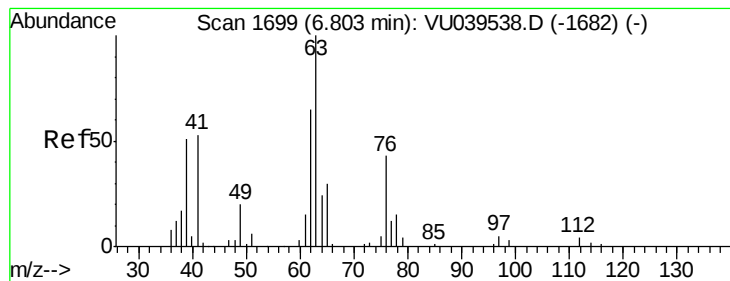


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.523 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.10 min

Lab File: VU039558.D

Acq: 17 Jul 2020 18:21

Instrument :

MSVOA_U

ClientSampled :

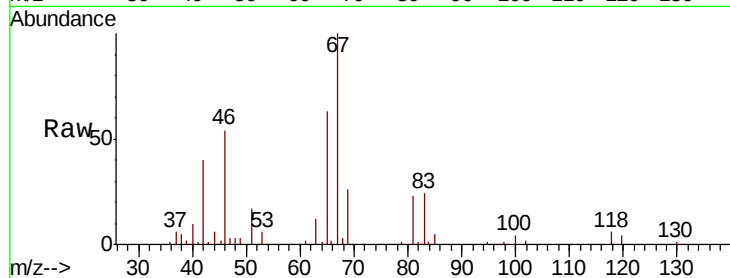
BFT79

Tot Ion: 63 Resp: 3891

Ion Ratio Lower Upper

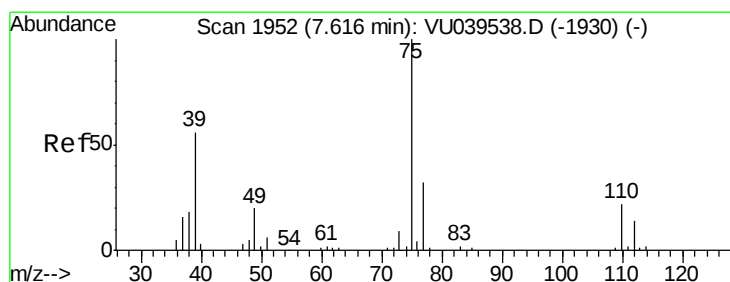
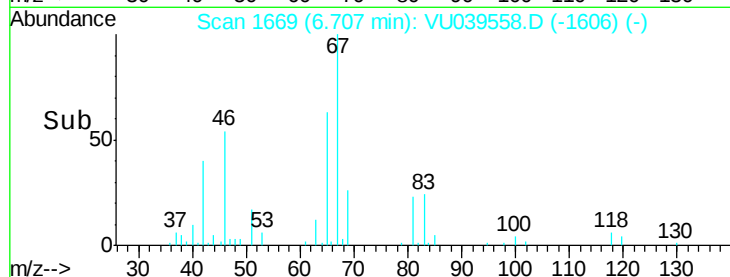
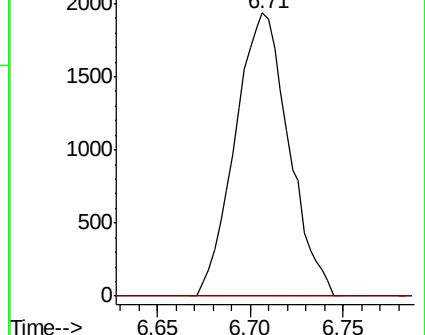
63 100

112 0.0 2.5 3.7#



Abundance Ion 63.10 (62.80 to 63.80): VU039558.D (-1666) (-)

Ion 112.10 (111.80 to 112.80): VU039558.D (-1666) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.104 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU039558.D

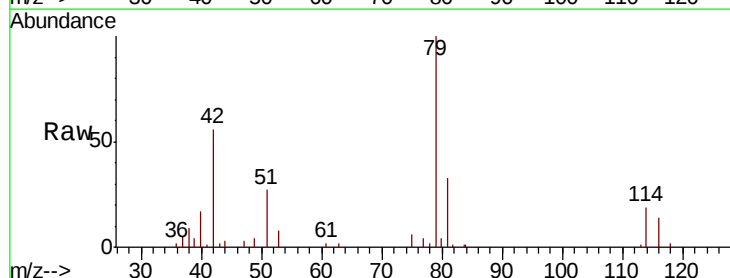
Acq: 17 Jul 2020 18:21

Tgt Ion: 75 Resp: 1174

Ion Ratio Lower Upper

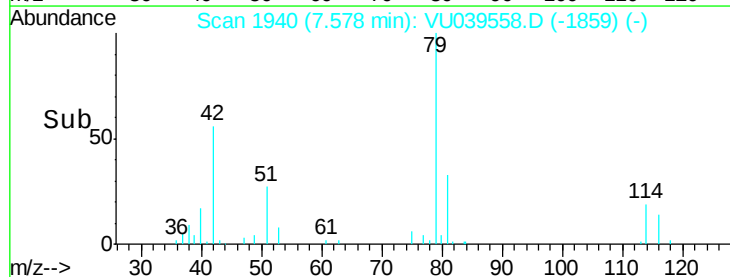
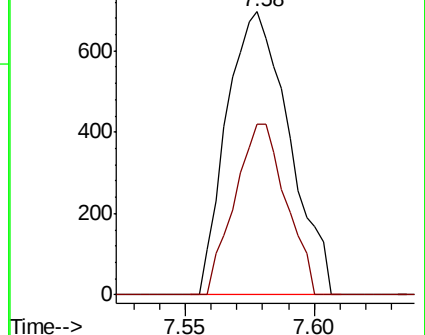
75 100

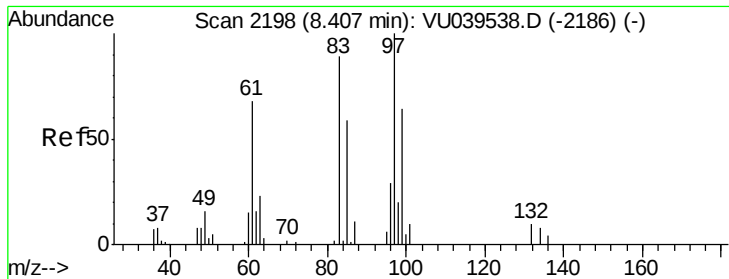
77 60.2 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU039558.D (-1859) (-)

Ion 77.05 (76.75 to 77.75): VU039558.D (-1859) (-)





#45

1,1,2-Trichloroethane

Concen: 0.897 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.15 min

Lab File: VU039558.D

Acq: 17 Jul 2020 18:21

Instrument :

MSVOA_U

ClientSampleId :

BFT79

Tot Ion: 97 Resp: 4792

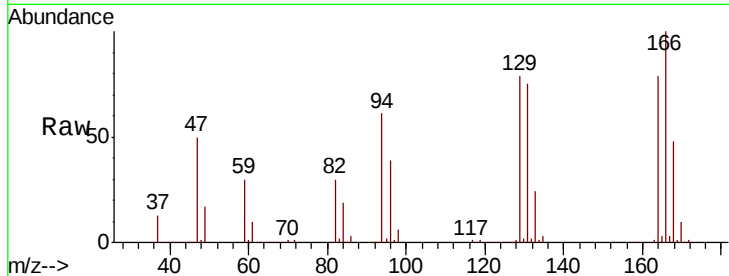
Ion Ratio Lower Upper

97 100

99 14.1 40.7 75.7#

83 228.5 60.6 112.6#

85 44.6 38.3 71.1

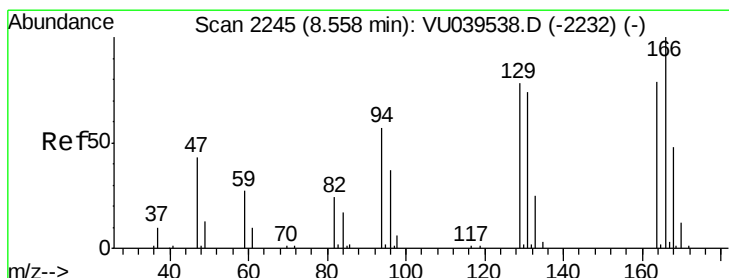
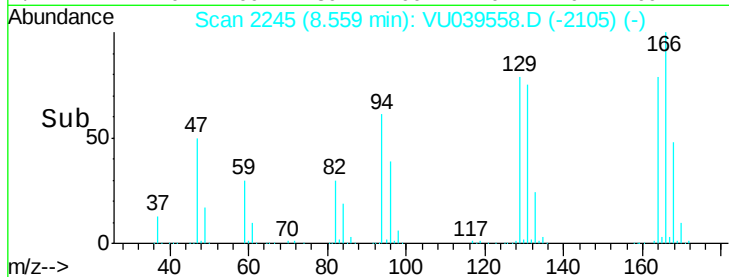
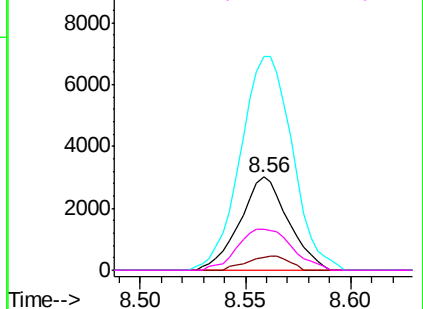


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 93.105 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VU039558.D

Acq: 17 Jul 2020 18:21

Tgt Ion:164 Resp: 456588

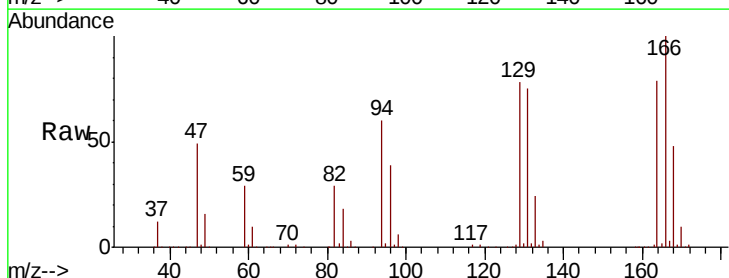
Ion Ratio Lower Upper

164 100

129 99.4 68.6 127.4

131 95.8 66.4 123.4

166 127.3 85.9 159.5

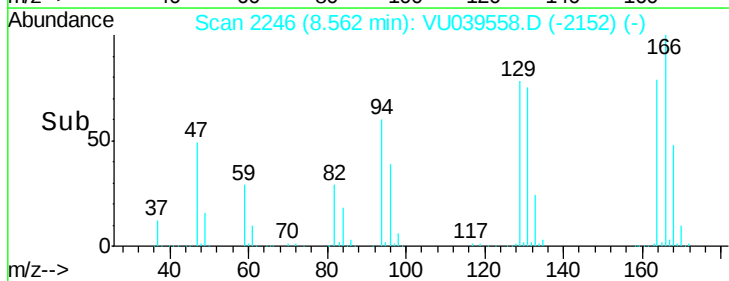
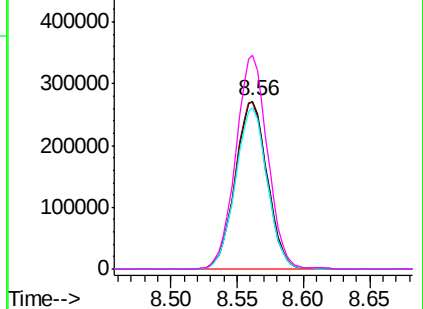


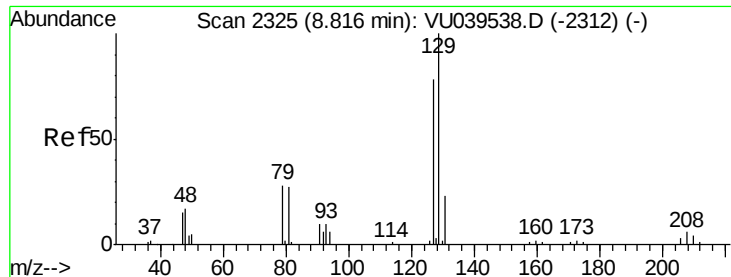
Abundance Ion 163.90 (163.60 to 164.60): V

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





#49

Dibromochloromethane

Concen: 69.045 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. -0.25 min

Lab File: VU039558.D

Acq: 17 Jul 2020 18:21

Instrument :

MSVOA_U

ClientSampleId :

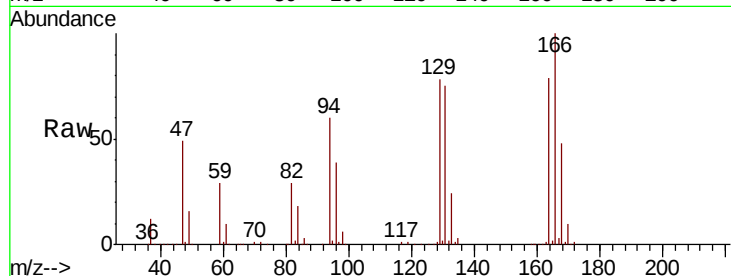
BFT79

Tot Ion:129 Resp: 446567

Ion Ratio Lower Upper

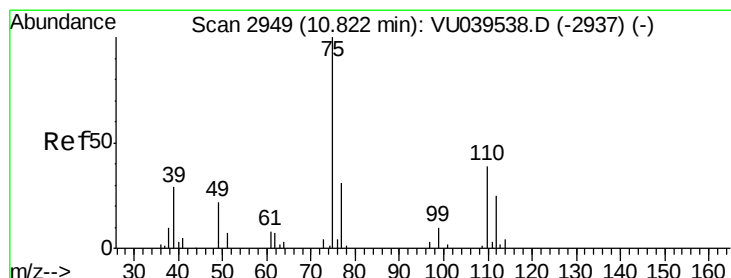
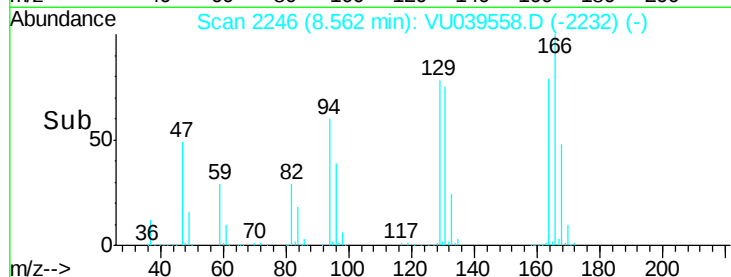
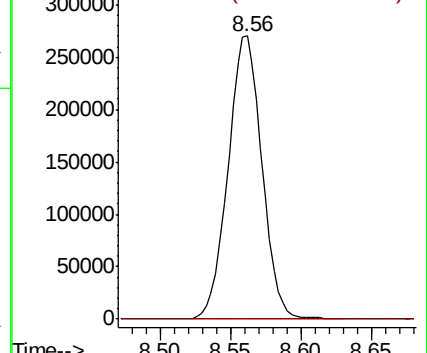
129 100

127 0.2 55.4 102.8#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 1.253 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039558.D

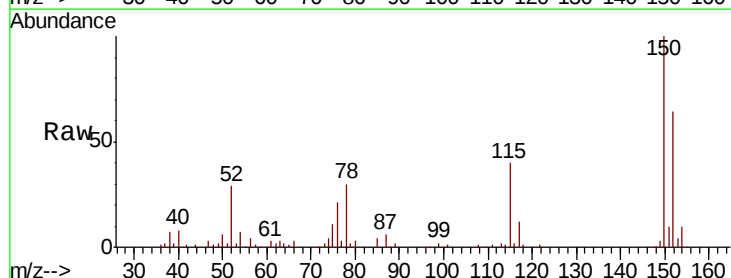
Acq: 17 Jul 2020 18:21

Tgt Ion: 75 Resp: 6864

Ion Ratio Lower Upper

75 100

77 32.2 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

