

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061220\
 Data File : VU038817.D
 Acq On : 11 Jun 2020 12:20
 Operator : SY/MD
 Sample : L2789-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFX77

Quant Time: Jun 12 01:04:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 12 01:02:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	323641	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	315776	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	151620	5.00	ug/L	0.00

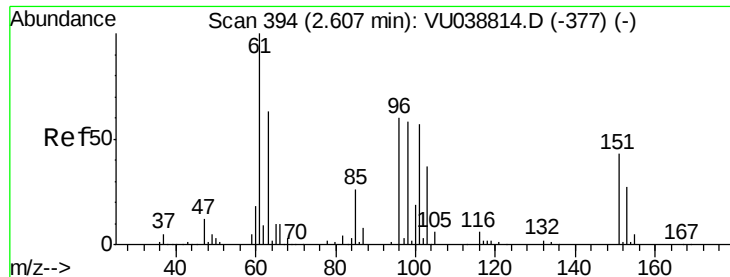
System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	73879	3.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.60%
7) Chloroethane-d5	1.93	69	61594	3.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.60%
11) 1,1-Dichloroethene-d2	2.59	63	115933	2.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.20%#
20) 2-Butanone-d5	4.68	46	275626	43.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.64%
24) Chloroform-d	5.10	84	156034	3.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.40%
26) 1,2-Dichloroethane-d4	5.74	65	92861	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.20%
32) Benzene-d6	5.76	84	307728	3.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.00%
36) 1,2-Dichloropropane-d6	6.72	67	94999	3.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.40%
41) Toluene-d8	7.93	98	258173	3.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.00%
43) trans-1,3-Dichloropropene-	8.20	79	39089	3.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.00%
46) 2-Hexanone-d5	8.66	63	225127	43.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.46%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	81708	3.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	108667	4.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	18348	0.936	ug/L	99
13) Acetone	2.67	43	21569	5.180	ug/L	92
15) Methyl Acetate	2.98	43	1837	0.180	ug/L #	54
21) 2-Butanone	4.85	43	134082	19.143	ug/L #	51
22) cis-1,2-Dichloroethene	4.71	96	9423	0.407	ug/L	91
25) Chloroform	5.12	83	38066	0.975	ug/L	99
34) Trichloroethene	6.57	95	33772	1.478	ug/L	98
35) Methylcyclohexane	6.72	83	22857	0.646	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	10675	0.482	ug/L #	86
47) Tetrachloroethene	8.57	164	12139	0.731	ug/L	97
48) 2-Hexanone	8.71	43	11680	0.973	ug/L	93
49) Dibromochloromethane	8.58	129	12222	0.677	ug/L #	11
59) 1,2,3-Trichloropropane	11.83	75	19293	1.167	ug/L #	86

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



#10

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

Concen: 0.936 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038817.D

Acq: 11 Jun 2020 12:20

Instrument :

MSVOA_U

ClientSampleId :

BFX77

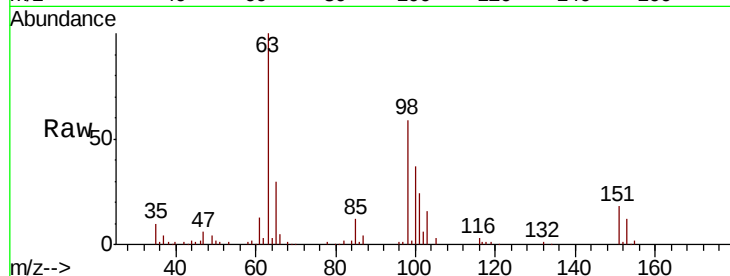
Tot Ion:101 Resp: 18348

Ion Ratio Lower Upper

101 100

85 43.0 34.0 51.0

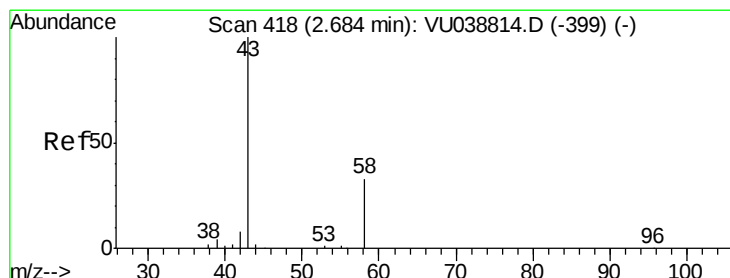
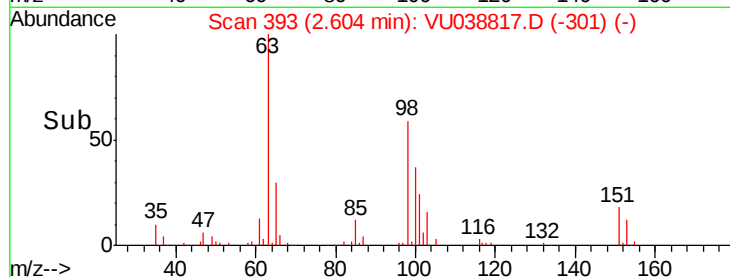
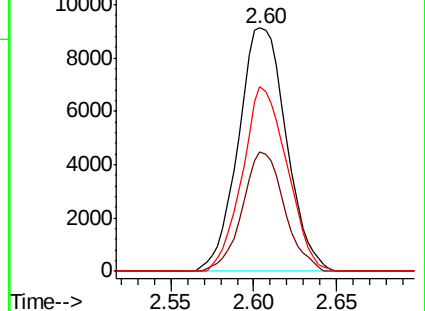
151 70.6 56.9 85.3



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



#13

Acetone

Concen: 5.180 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.01 min

Lab File: VU038817.D

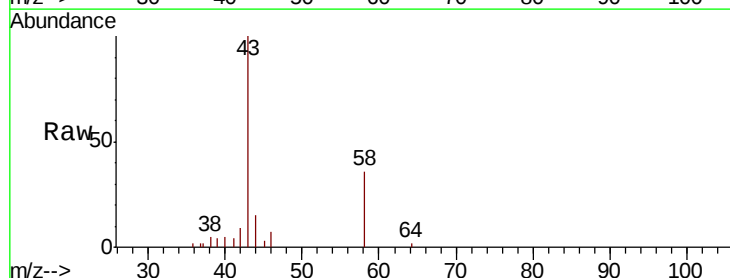
Acq: 11 Jun 2020 12:20

Tgt Ion: 43 Resp: 21569

Ion Ratio Lower Upper

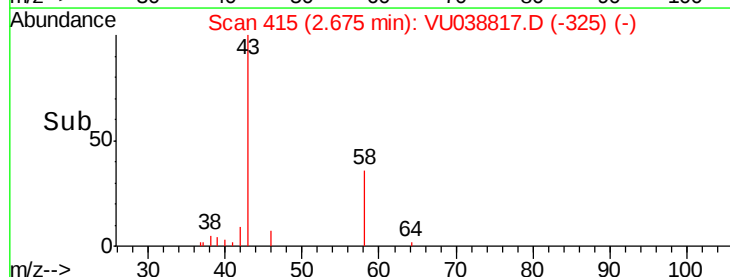
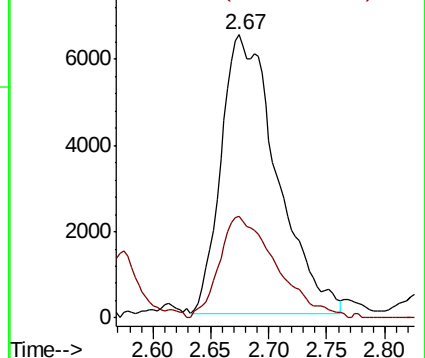
43 100

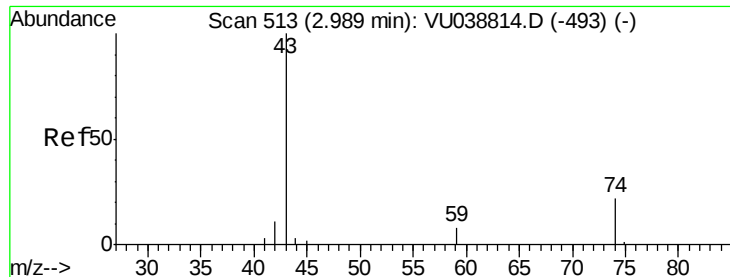
58 37.2 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

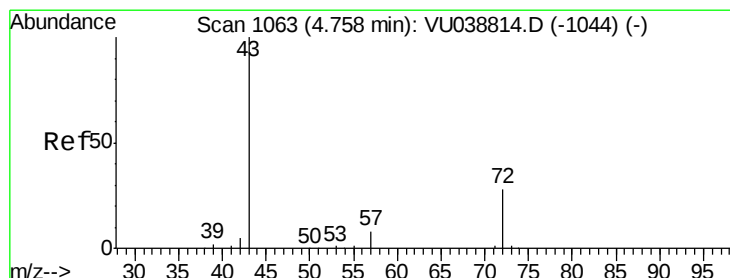
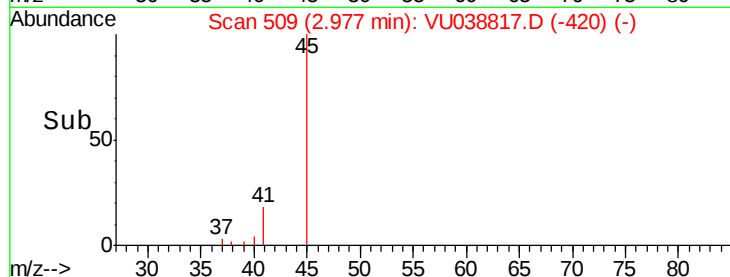
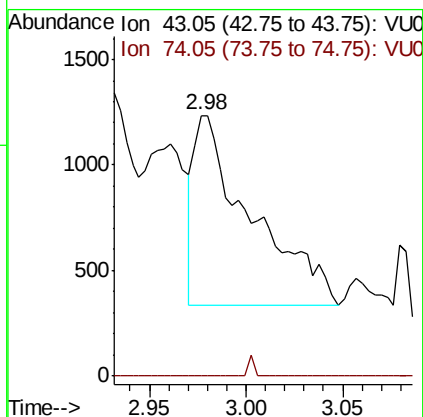
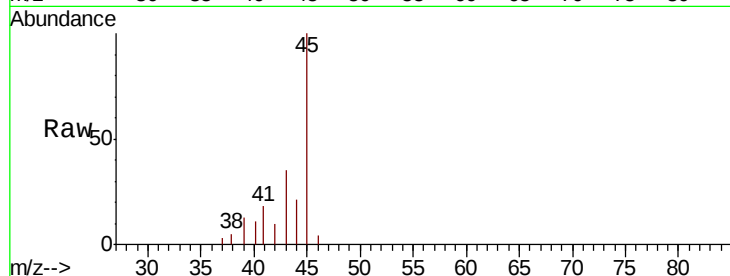




#15
Methvl Acetate
Concen: 0.180 ug/L
RT: 2.98 min Scan# 509
Delta R.T. -0.01 min
Lab File: VU038817.D
Acq: 11 Jun 2020 12:20

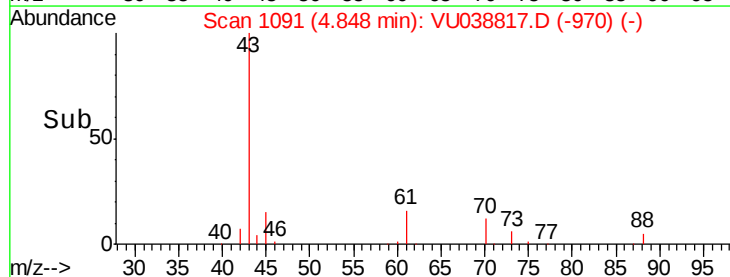
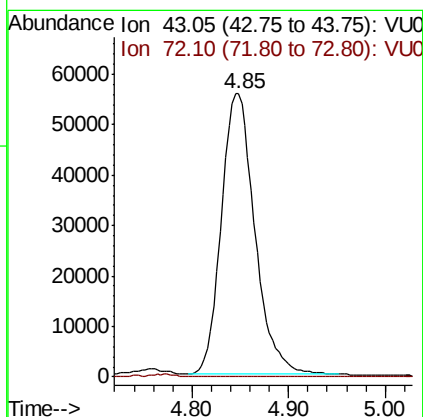
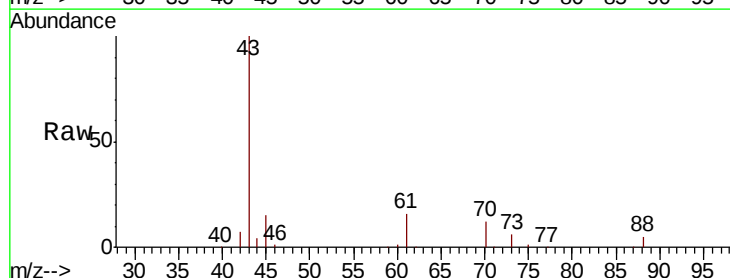
Instrument :
MSVOA_U
ClientSampleId :
BFX77

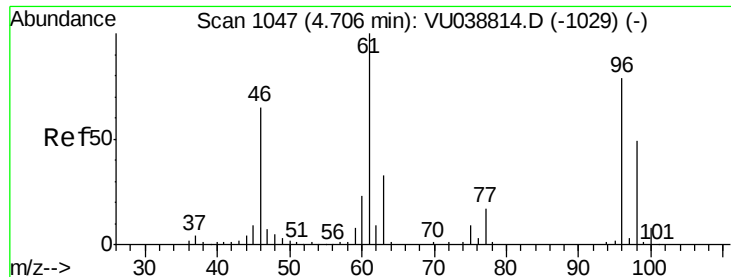
Tot Ion: 43 Resp: 1837
Ion Ratio Lower Upper
43 100
74 1.1 19.2 28.8#



#21
2-Butanone
Concen: 19.143 ug/L
RT: 4.85 min Scan# 1091
Delta R.T. 0.09 min
Lab File: VU038817.D
Acq: 11 Jun 2020 12:20

Tgt Ion: 43 Resp: 134082
Ion Ratio Lower Upper
43 100
72 0.8 12.6 37.8#





#22

cis-1,2-Dichloroethene

Concen: 0.407 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038817.D

Acq: 11 Jun 2020 12:20

Instrument :

MSVOA_U

ClientSampled :

BFX77

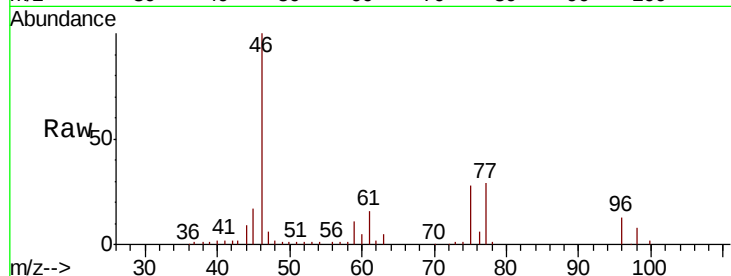
Tot Ion: 96 Resp: 9423

Ion Ratio Lower Upper

96 100

61 123.5 94.0 174.6

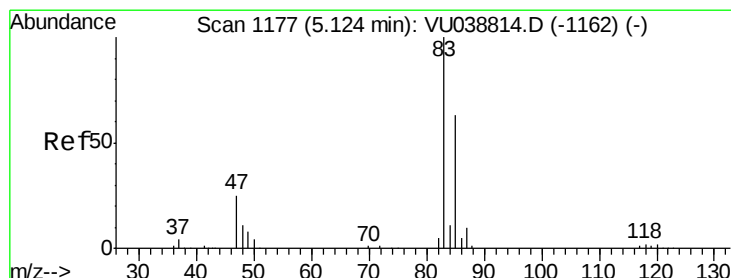
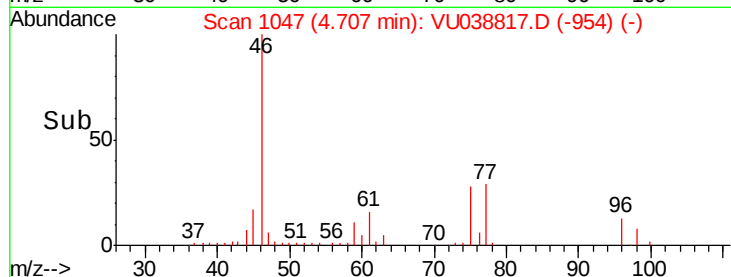
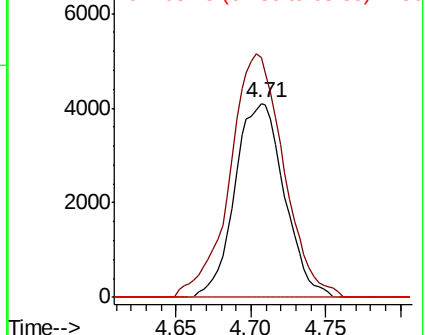
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038817.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU038817.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU038817.D (-954) (-)



#25

Chloroform

Concen: 0.975 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VU038817.D

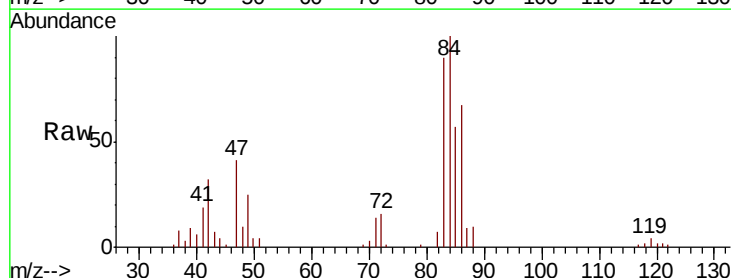
Acq: 11 Jun 2020 12:20

Tgt Ion: 83 Resp: 38066

Ion Ratio Lower Upper

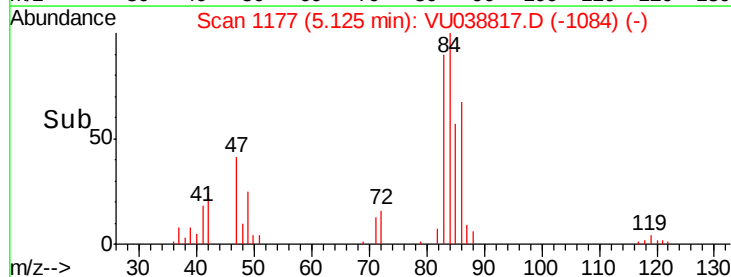
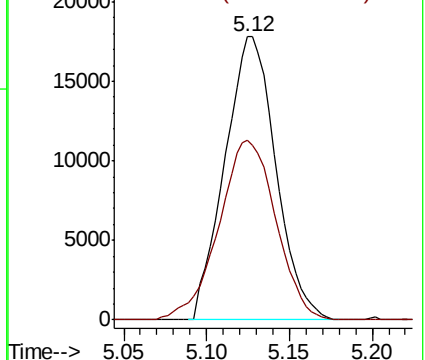
83 100

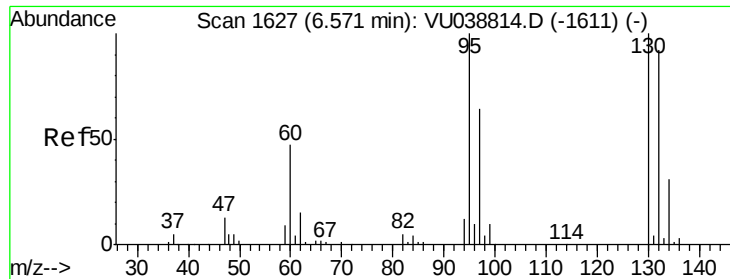
85 63.3 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU038817.D (-1084) (-)

Ion 85.00 (84.70 to 85.70): VU038817.D (-1084) (-)





#34

Trichloroethene

Concen: 1.478 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU038817.D

Acq: 11 Jun 2020 12:20

Instrument :

MSVOA_U

ClientSampleId :

BFX77

Tot Ion: 95 Resp: 33772

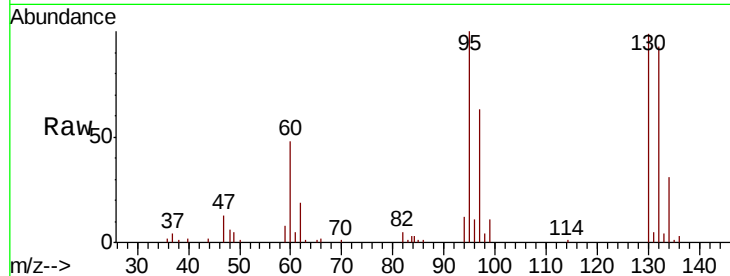
Ion Ratio Lower Upper

95 100

97 62.7 46.8 87.0

132 92.8 66.1 122.7

130 99.3 70.0 130.0

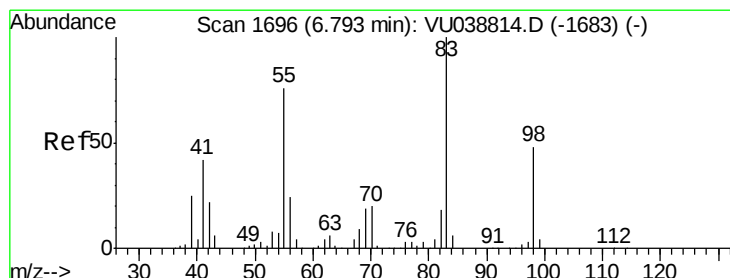
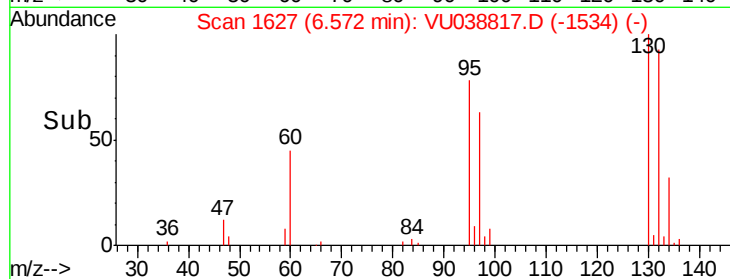
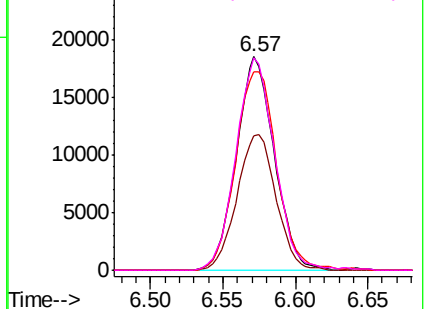


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.646 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.07 min

Lab File: VU038817.D

Acq: 11 Jun 2020 12:20

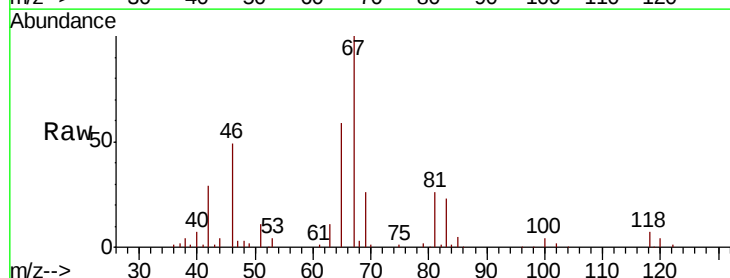
Tgt Ion: 83 Resp: 22857

Ion Ratio Lower Upper

83 100

55 0.2 63.4 95.2#

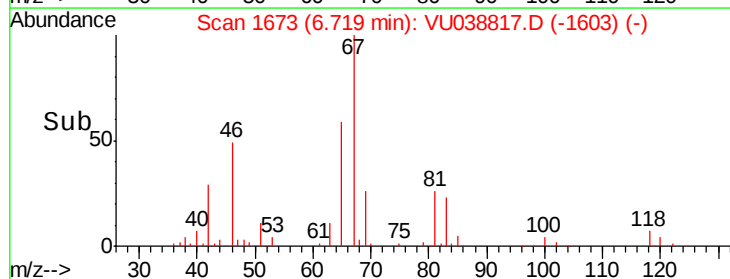
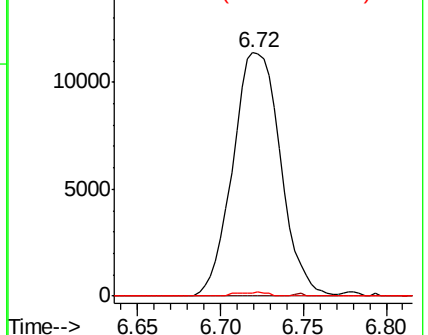
98 0.9 39.0 58.4#

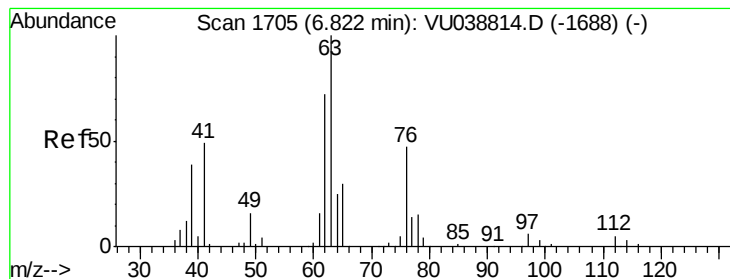


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.482 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU038817.D

Acq: 11 Jun 2020 12:20

Instrument :

MSVOA_U

ClientSampleId :

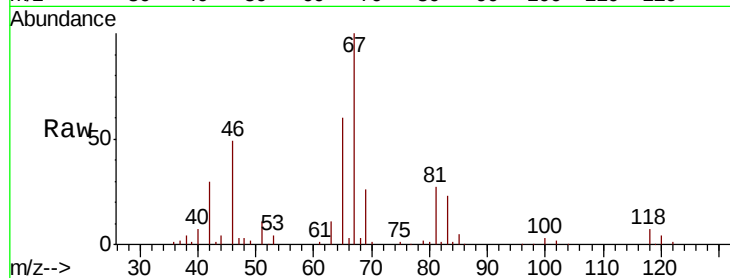
BFX77

Tot Ion: 63 Resp: 10675

Ion Ratio Lower Upper

63 100

112 0.0 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VU038817.D (-1674) (-)

Ion 112.10 (111.80 to 112.80): VU038817.D (-1674) (-)

6.72

6000

4000

2000

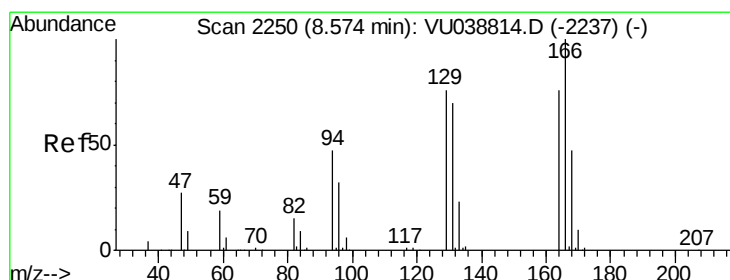
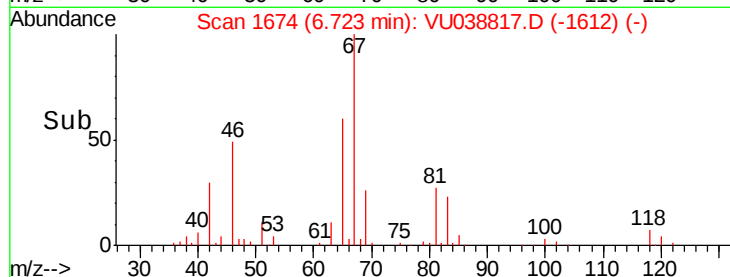
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Time-->

6.65

6.70

6.75



#47

Tetrachloroethene

Concen: 0.731 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU038817.D

Acq: 11 Jun 2020 12:20

Tgt Ion:164 Resp: 12139

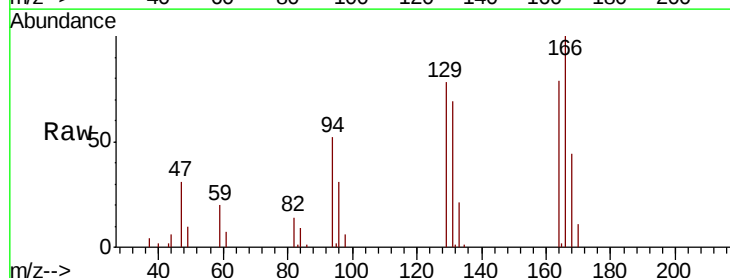
Ion Ratio Lower Upper

164 100

129 98.3 67.4 125.2

131 87.1 64.1 119.1

166 126.0 85.7 159.1



Abundance Ion 163.90 (163.60 to 164.60): VU038817.D (-2250) (-)

Ion 128.95 (128.65 to 129.65): VU038817.D (-2250) (-)

Ion 130.95 (130.65 to 131.65): VU038817.D (-2250) (-)

Ion 165.90 (165.60 to 166.60): VU038817.D (-2250) (-)

10000

5000

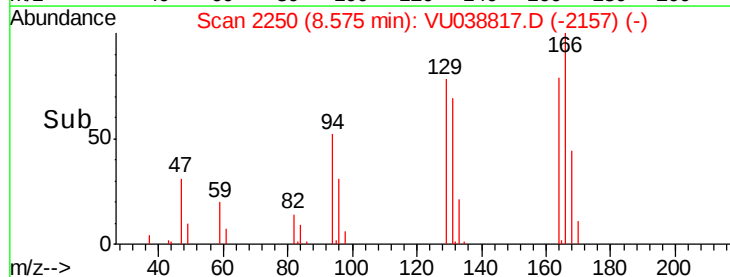
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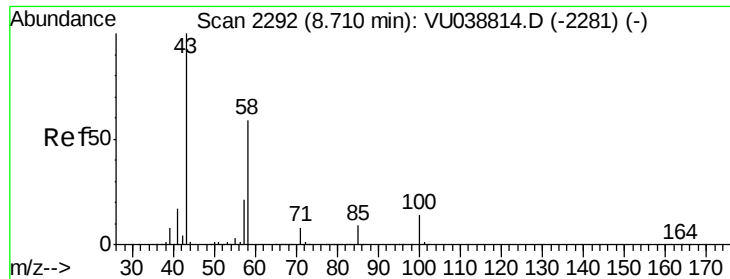
Time-->

8.55

8.60

8.65

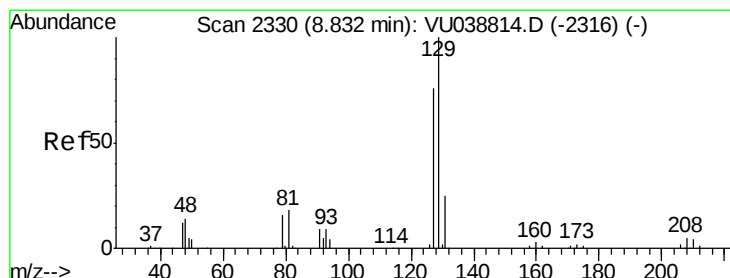
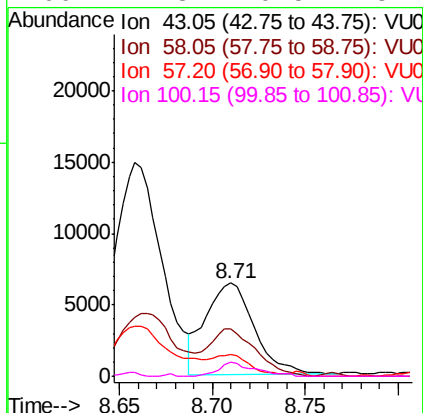
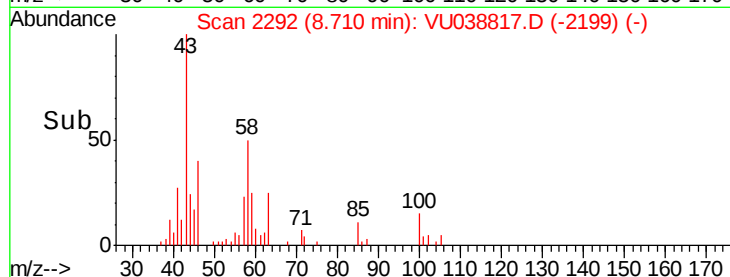
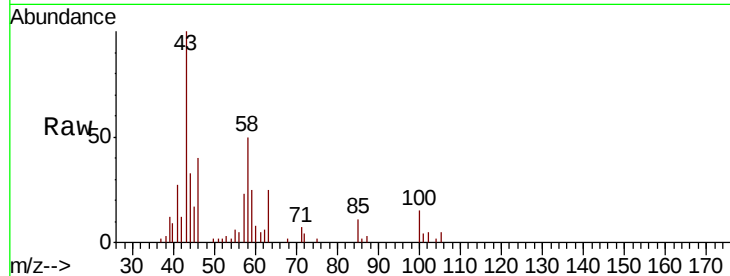




#48
2-Hexanone
Concen: 0.973 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038817.D
Acq: 11 Jun 2020 12:20

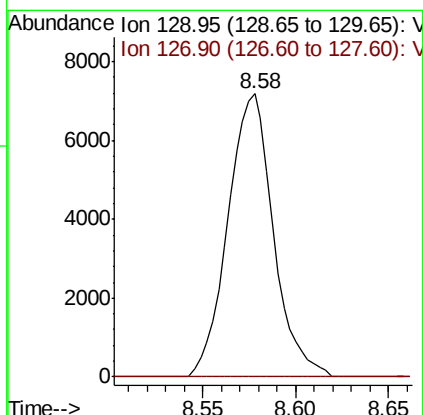
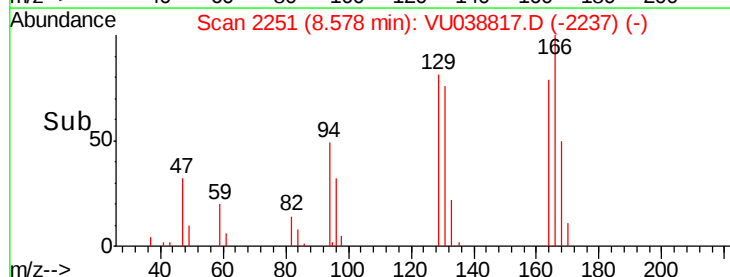
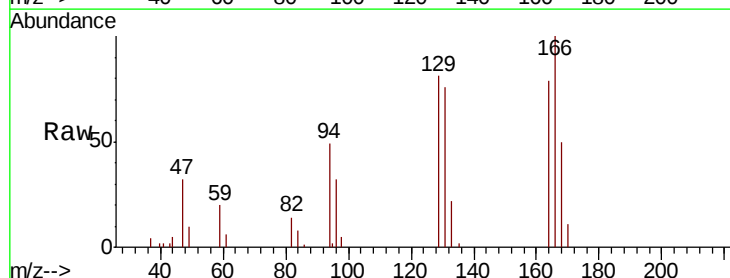
Instrument :
MSVOA_U
ClientSampleId :
BFX77

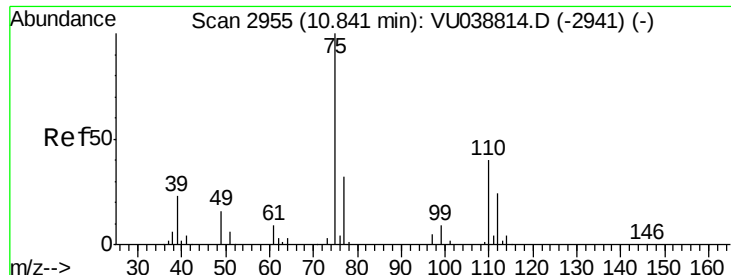
Tot Ion: 43 Resp: 11680
Ion Ratio Lower Upper
43 100
58 50.4 45.4 68.0
57 18.3 15.9 23.9
100 11.3 10.5 15.7



#49
Dibromochloromethane
Concen: 0.677 ug/L
RT: 8.58 min Scan# 2251
Delta R.T. -0.25 min
Lab File: VU038817.D
Acq: 11 Jun 2020 12:20

Tgt Ion: 129 Resp: 12222
Ion Ratio Lower Upper
129 100
127 0.0 53.3 99.1#





#59

1,2,3-Trichloropropane

Concen: 1.167 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.99 min

Lab File: VU038817.D

Acq: 11 Jun 2020 12:20

Instrument :

MSVOA_U

ClientSampleId :

BFX77

Tot Ion: 75 Resp: 19293

Ion Ratio Lower Upper

75 100

77 39.5 25.4 38.2#

