

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061520\
 Data File : VU038909.D
 Acq On : 15 Jun 2020 22:09
 Operator : SY/MD
 Sample : L2985-03DL 4X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT71DL

Quant Time: Jun 16 02:01:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061520WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 16 01:57:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	293234	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	303403	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	142711	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	87126	5.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	119.40%
7) Chloroethane-d5	1.93	69	73115	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.00%
11) 1,1-Dichloroethene-d2	2.58	63	140369	3.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.20%
20) 2-Butanone-d5	4.68	46	326785	61.80	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.60%
24) Chloroform-d	5.10	84	184378	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	5.74	65	112274	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.40%
32) Benzene-d6	5.76	84	367172	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.80%
36) 1,2-Dichloropropane-d6	6.72	67	113111	5.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.40%
41) Toluene-d8	7.92	98	308059	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
43) trans-1,3-Dichloropropene-	8.20	79	45985	4.94	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.80%
46) 2-Hexanone-d5	8.67	63	274681	59.88	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.76%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	103588	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	131351	5.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	12116	0.425	ug/L	97
9) Trichlorofluoromethane	2.15	101	218983	5.019	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	5161	0.239	ug/L #	81
12) 1,1-Dichloroethene	2.59	96	4120	0.199	ug/L #	1
16) Methylene chloride	3.07	84	6172	0.259	ug/L	91
17) Methyl tert-butyl Ether	3.40	73	18416	0.348	ug/L	96
18) trans-1,2-Dichloroethene	3.39	96	4571	0.208	ug/L	86
19) 1,1-Dichloroethane	3.91	63	8164	0.203	ug/L	95
22) cis-1,2-Dichloroethene	4.71	96	10948	0.477	ug/L	98
34) Trichloroethene	6.57	95	106908	4.543	ug/L	99
35) Methylcyclohexane	6.72	83	27700	0.790	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	12891	0.554	ug/L #	85
47) Tetrachloroethene	8.57	164	102065	5.659	ug/L	98
49) Dibromochloromethane	8.57	129	97878	4.746	ug/L #	9
59) 1,2,3-Trichloropropane	11.82	75	18068	1.008	ug/L	89

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Instrument :
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ClientSampleId :
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Quant Time: Jun 16 02:01:20 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061520WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 16 01:57:42 2020
Response via : Initial Calibration

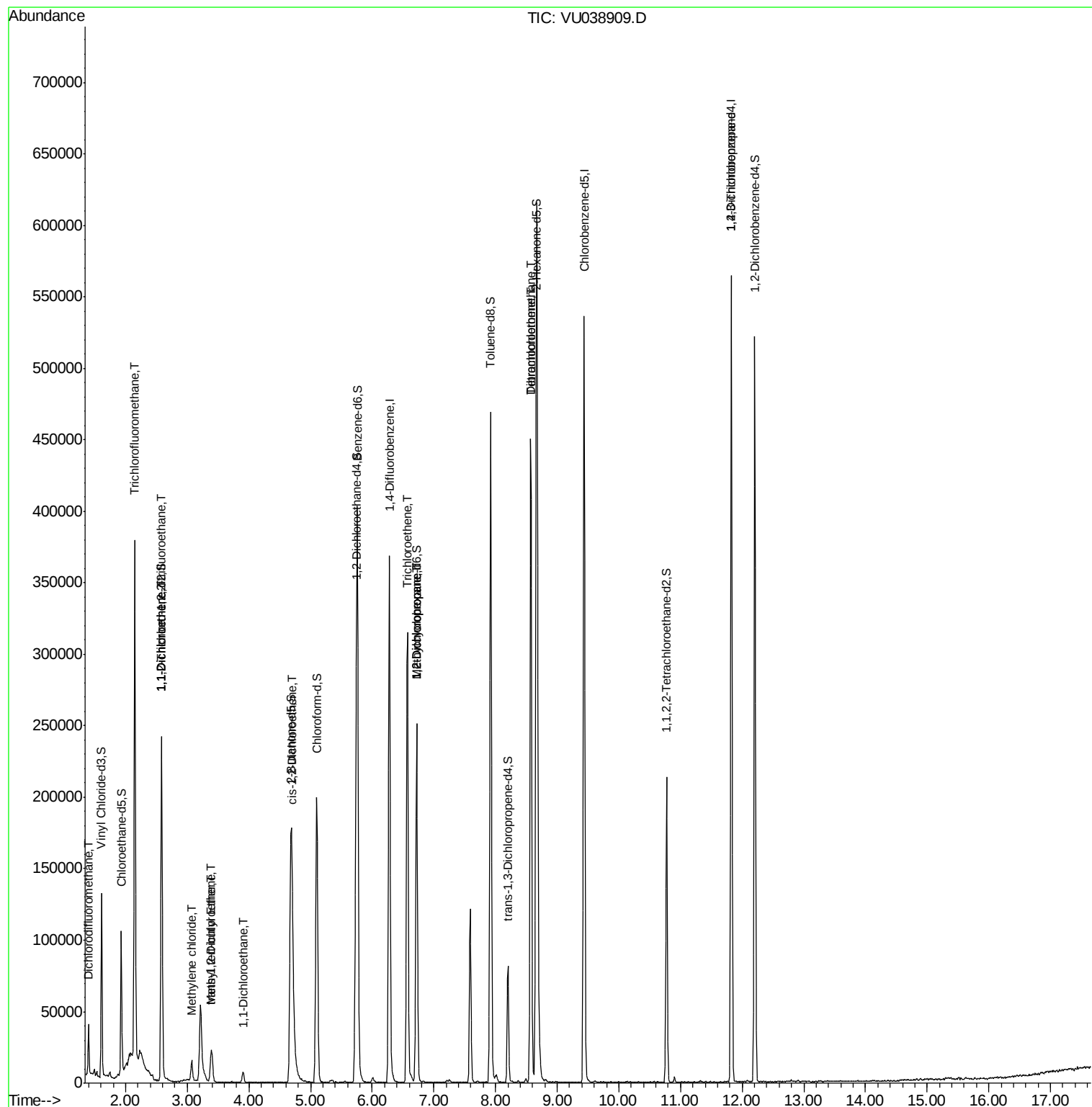
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

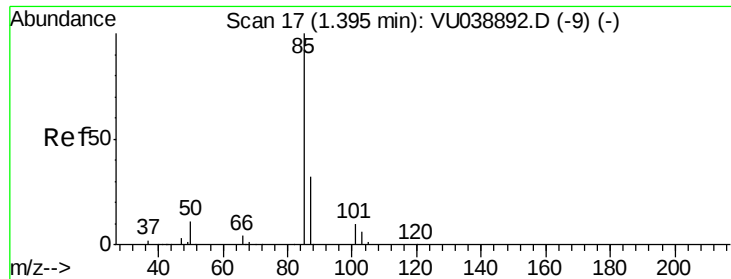
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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QLast Update : Tue Jun 16 01:57:42 2020
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#2

Dichlorodifluoromethane

Concen: 0.425 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038909.D

Acq: 15 Jun 2020 22:09

Instrument :

MSVOA_U

ClientSampleId :

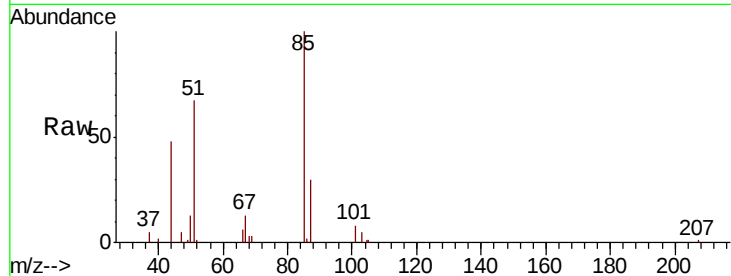
BFT71DL

Tot Ion: 85 Resp: 12116

Ion Ratio Lower Upper

85 100

87 32.9 25.0 37.6



Abundance Ion 85.00 (84.70 to 85.70): VU038892.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038892.D (-9) (-)

1.39

10000

5000

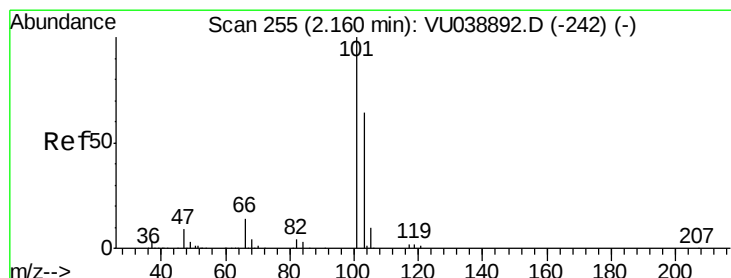
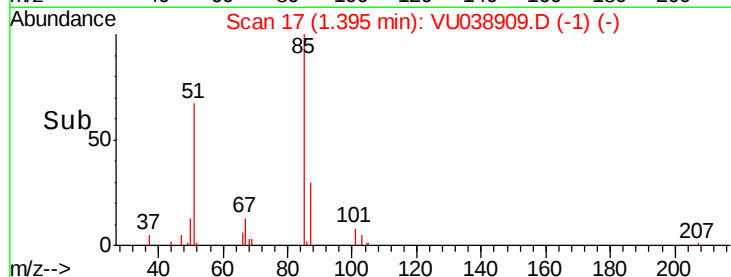
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Time-->

1.35

1.40

1.45



#9

Trichlorofluoromethane

Concen: 5.019 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.01 min

Lab File: VU038909.D

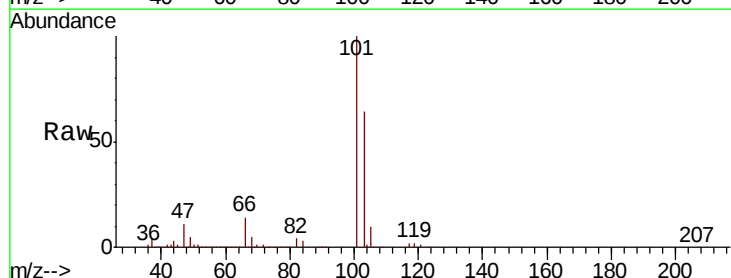
Acq: 15 Jun 2020 22:09

Tgt Ion: 101 Resp: 218983

Ion Ratio Lower Upper

101 100

103 64.8 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU038892.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU038892.D (-242) (-)

2.15

150000

100000

50000

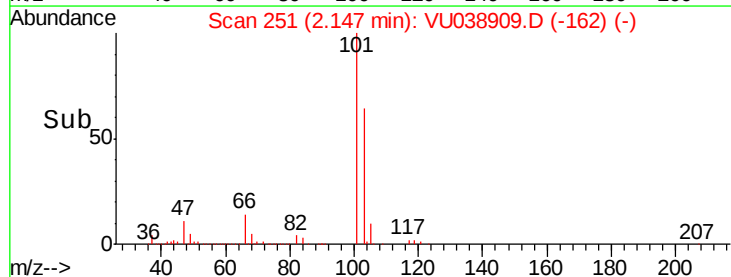
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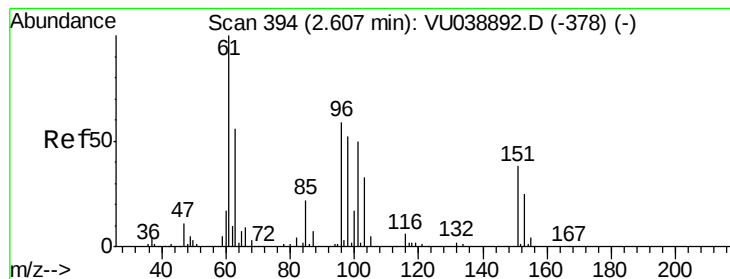
Time-->

2.10

2.15

2.20





#10

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

Concen: 0.239 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU038909.D

Acq: 15 Jun 2020 22:09

Instrument :

MSVOA_U

ClientSampled :

BFT71DL

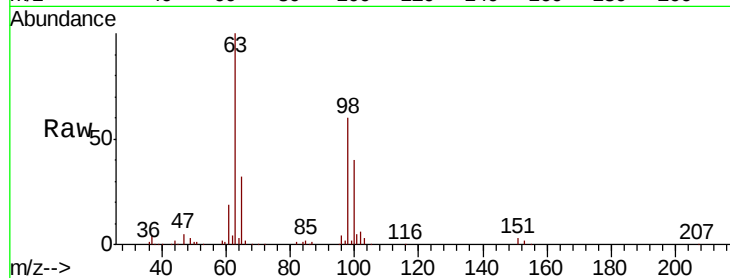
Tot Ion:101 Resp: 5161

Ion Ratio Lower Upper

101 100

85 33.3 35.3 52.9#

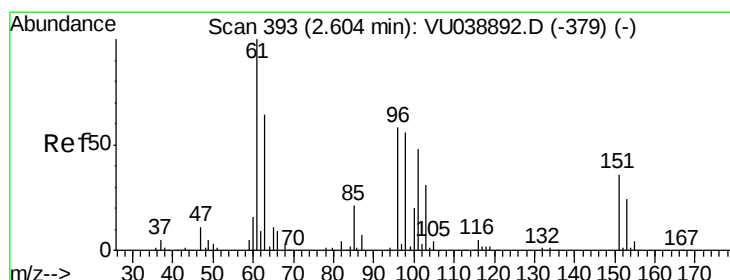
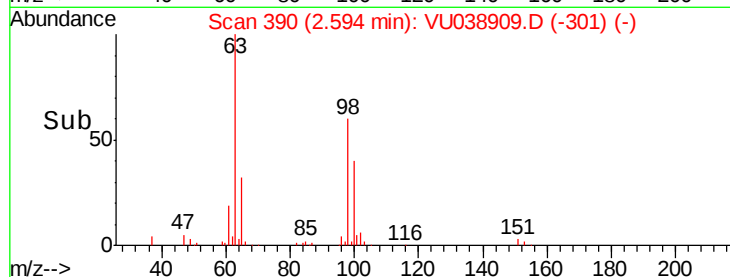
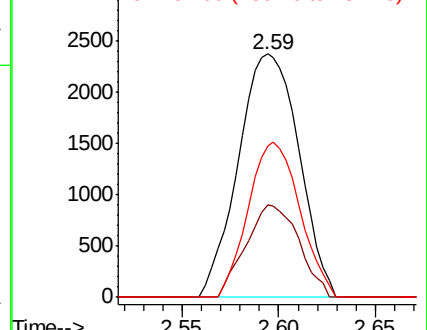
151 54.3 57.4 86.2#



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: 0.199 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU038909.D

Acq: 15 Jun 2020 22:09

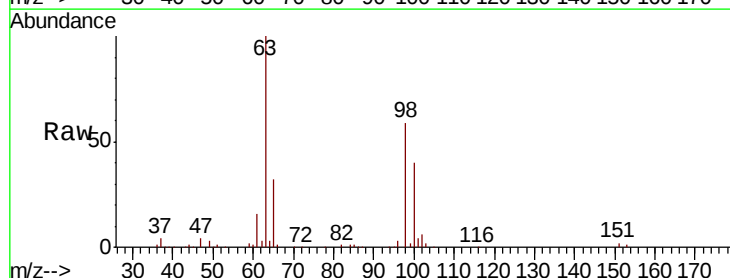
Tgt Ion: 96 Resp: 4120

Ion Ratio Lower Upper

96 100

61 473.1 124.9 232.1#

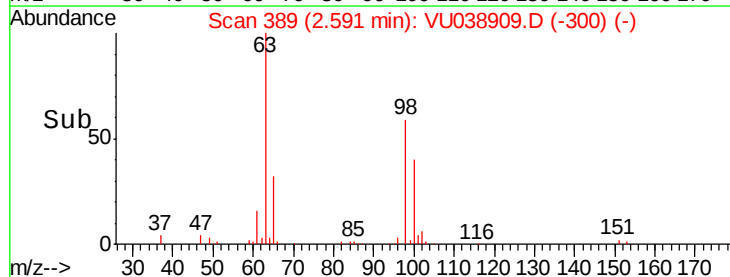
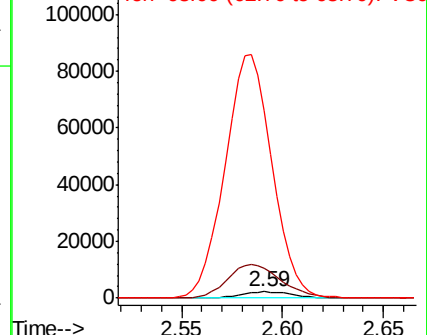
63 2899.2 79.1 146.9#

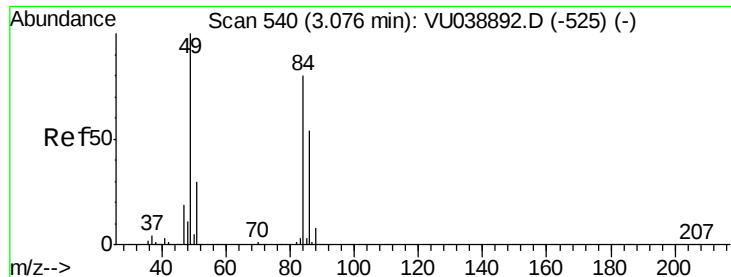


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

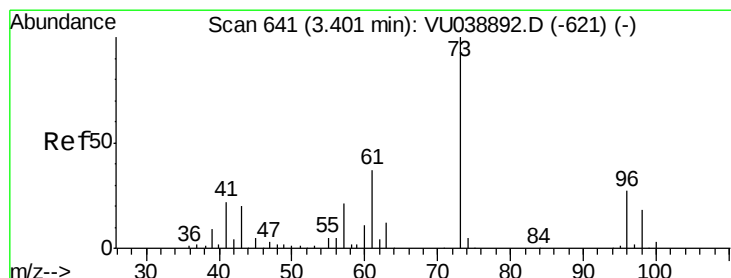
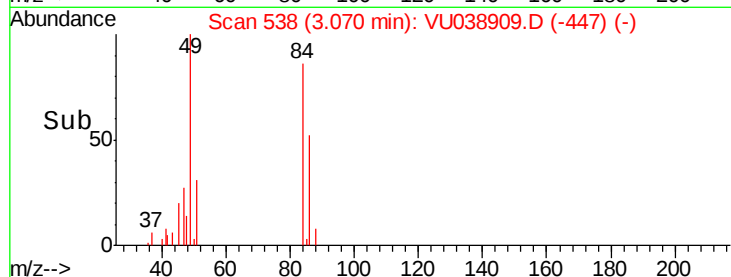
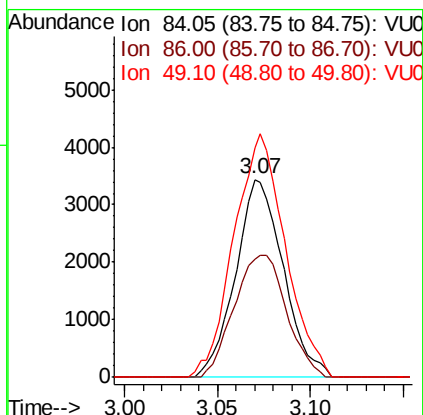
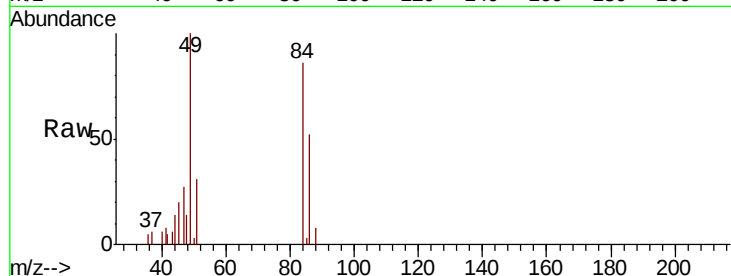




#16
Methvlene chloride
Concen: 0.259 ug/L
RT: 3.07 min Scan# 538
Delta R.T. -0.01 min
Lab File: VU038909.D
Acq: 15 Jun 2020 22:09

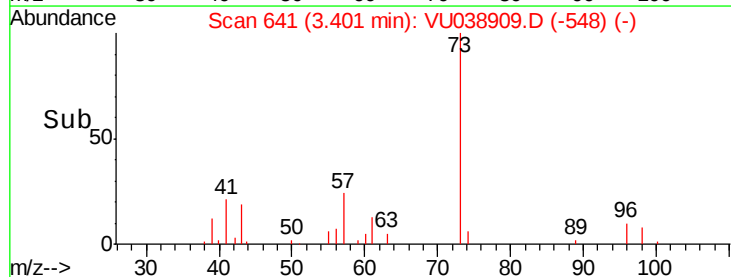
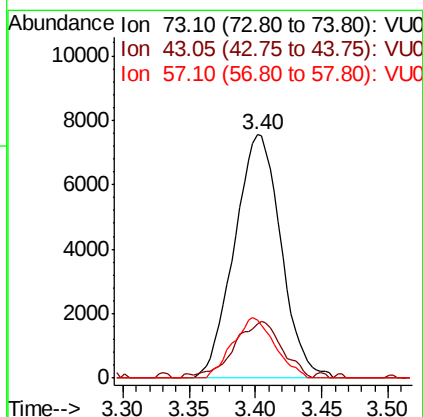
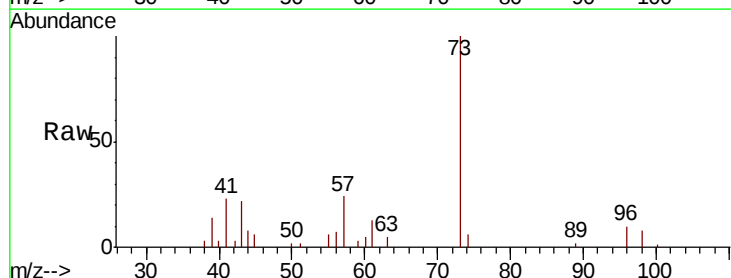
Instrument :
MSVOA_U
ClientSampled :
BFT71DL

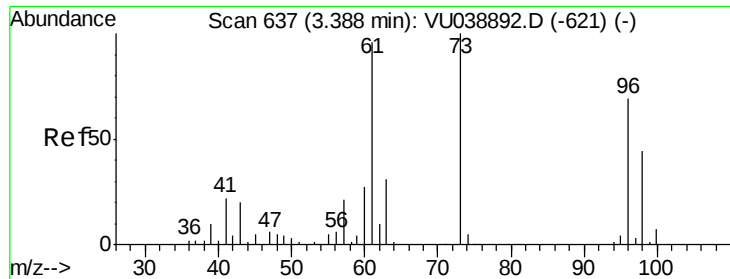
Tot Ion: 84 Resp: 6172
Ion Ratio Lower Upper
84 100
86 60.0 47.9 89.1
49 116.2 88.4 164.2



#17
Methyl tert-butyl Ether
Concen: 0.348 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038909.D
Acq: 15 Jun 2020 22:09

Tgt Ion: 73 Resp: 18416
Ion Ratio Lower Upper
73 100
43 23.7 16.6 24.8
57 22.4 17.5 26.3





#18

trans-1,2-Dichloroethene

Concen: 0.208 ug/L

RT: 3.39 min Scan# 636

Delta R.T. -0.00 min

Lab File: VU038909.D

Acq: 15 Jun 2020 22:09

Instrument :

MSVOA_U

ClientSampleId :

BFT71DL

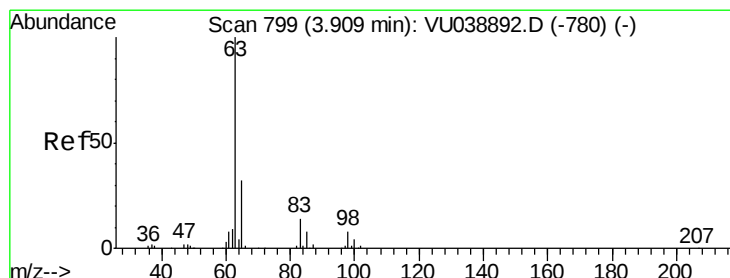
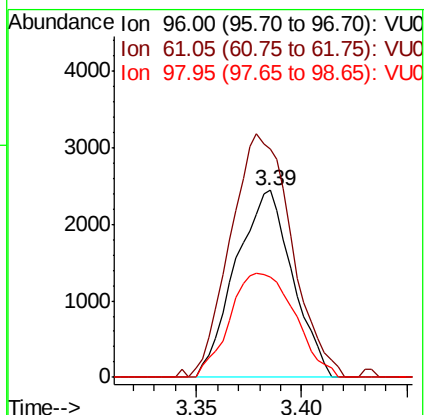
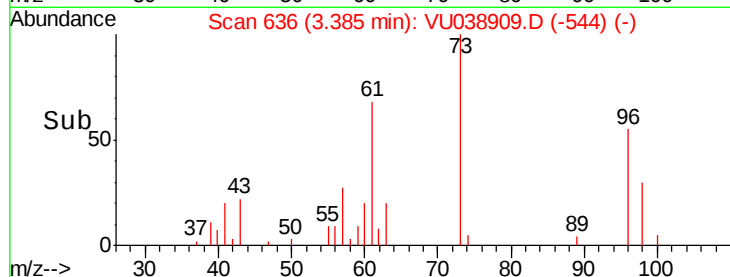
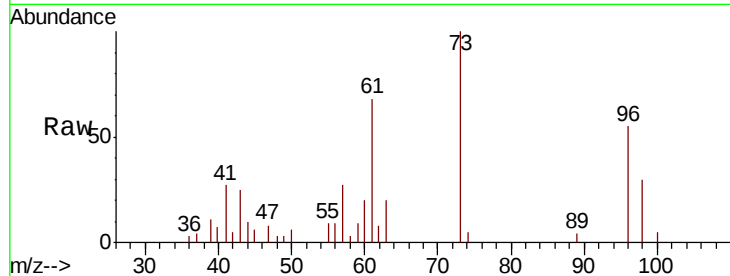
Tot Ion: 96 Resp: 4571

Ion Ratio Lower Upper

96 100

61 122.1 97.6 181.4

98 54.0 44.5 82.7



#19

1,1-Dichloroethane

Concen: 0.203 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU038909.D

Acq: 15 Jun 2020 22:09

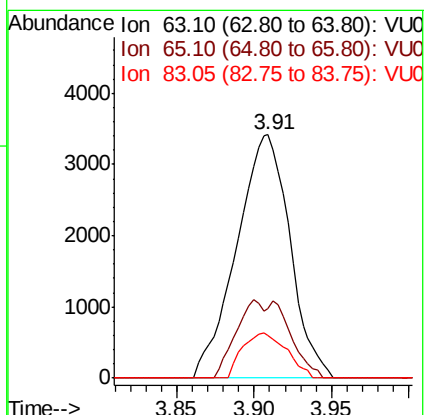
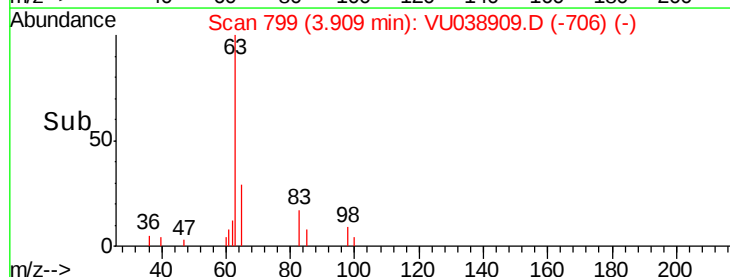
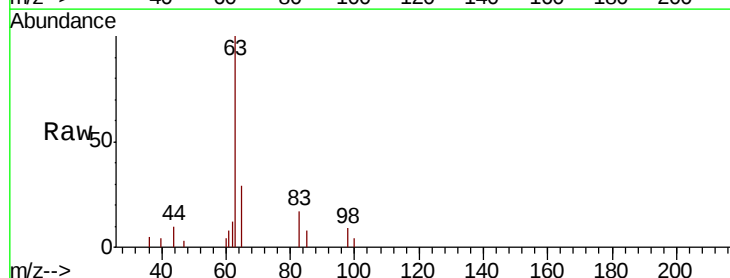
Tgt Ion: 63 Resp: 8164

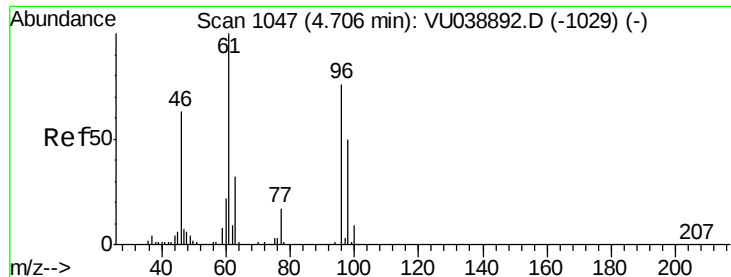
Ion Ratio Lower Upper

63 100

65 28.6 21.3 39.6

83 17.5 9.5 17.7





#22

cis-1,2-Dichloroethene

Concen: 0.477 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038909.D

Acq: 15 Jun 2020 22:09

Instrument :

MSVOA_U

ClientSampleId :

BFT71DL

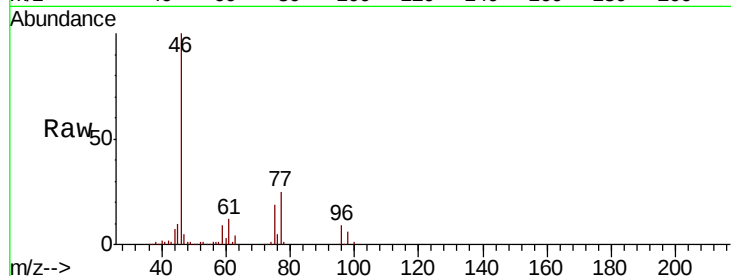
Tot Ion: 96 Resp: 10948

Ion Ratio Lower Upper

96 100

61 126.5 90.5 168.1

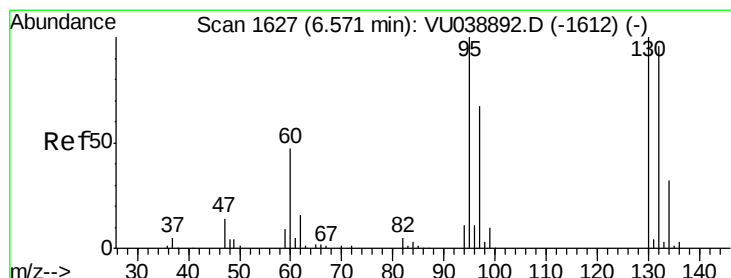
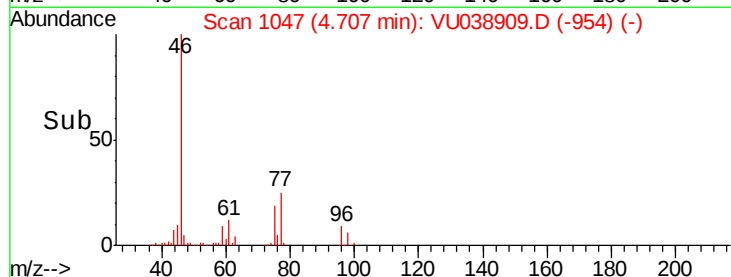
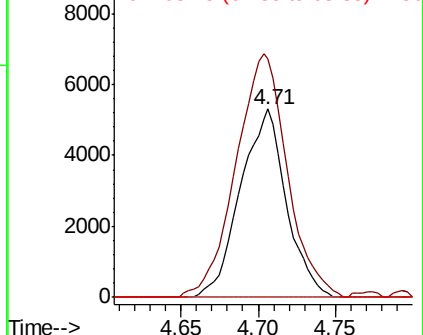
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038892.D (-1029) (-)

Ion 61.05 (60.75 to 61.75): VU038892.D (-1029) (-)

Ion 68.15 (67.85 to 68.85): VU038892.D (-1029) (-)



#34

Trichloroethene

Concen: 4.543 ug/L

RT: 6.57 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VU038909.D

Acq: 15 Jun 2020 22:09

Tgt Ion: 95 Resp: 106908

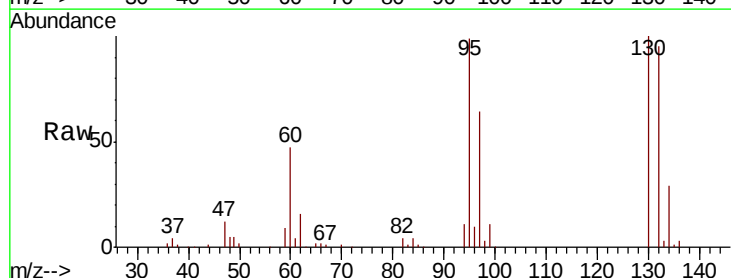
Ion Ratio Lower Upper

95 100

97 64.5 46.1 85.5

132 95.4 68.2 126.6

130 100.9 71.0 131.9

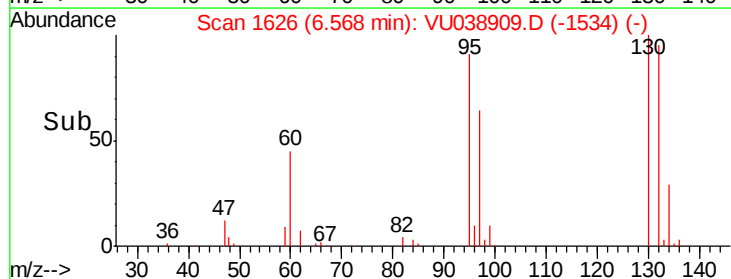
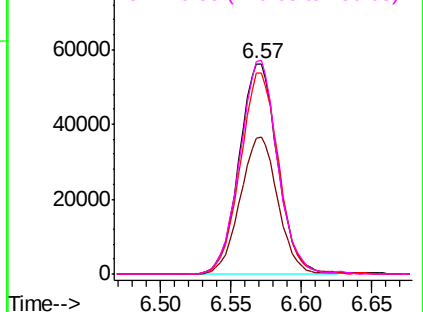


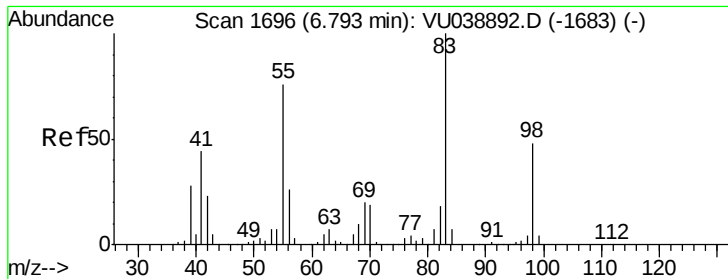
Abundance Ion 95.00 (94.70 to 95.70): VU038892.D (-1612) (-)

Ion 96.95 (96.65 to 97.65): VU038892.D (-1612) (-)

Ion 131.95 (131.65 to 132.65): VU038892.D (-1612) (-)

Ion 129.95 (129.65 to 130.65): VU038892.D (-1612) (-)

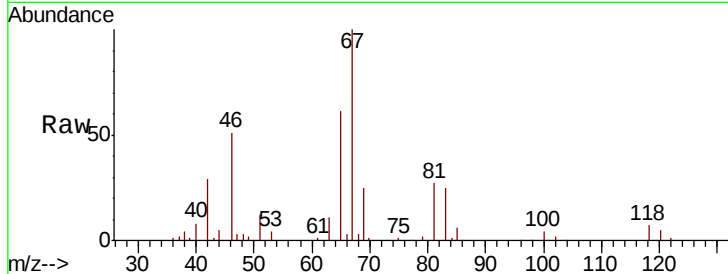




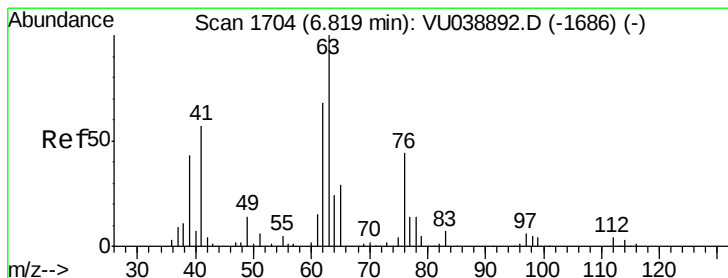
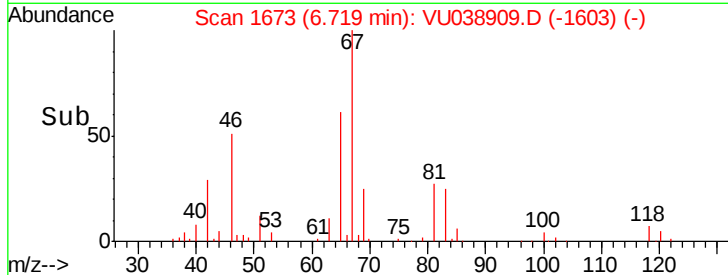
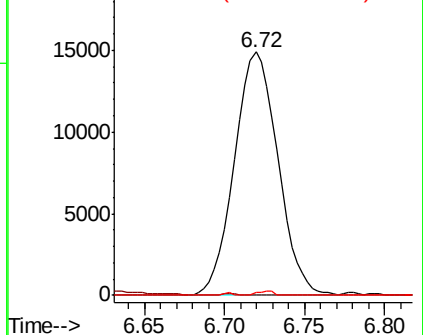
#35
Methvlcvclohexane
Concen: 0.790 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU038909.D
Acq: 15 Jun 2020 22:09

Instrument :
MSVOA_U
ClientSampleId :
BFT71DL

Tot Ion: 83 Resp: 27700
Ion Ratio Lower Upper
83 100
55 0.2 63.6 95.4#
98 0.6 38.9 58.3#

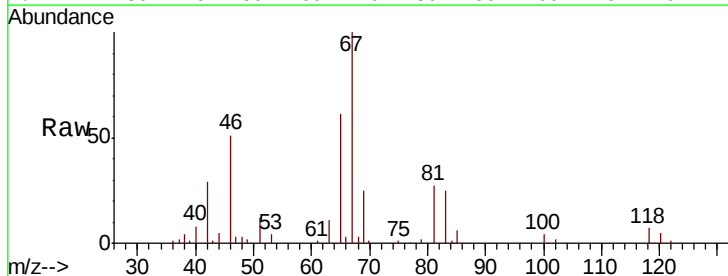


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

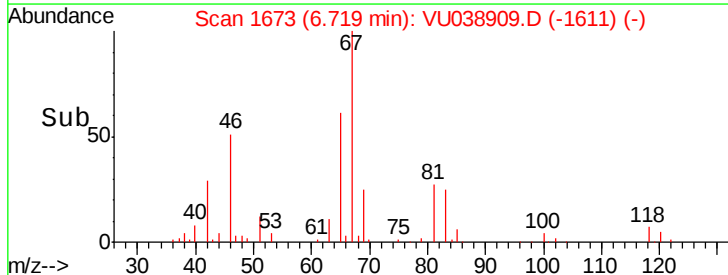
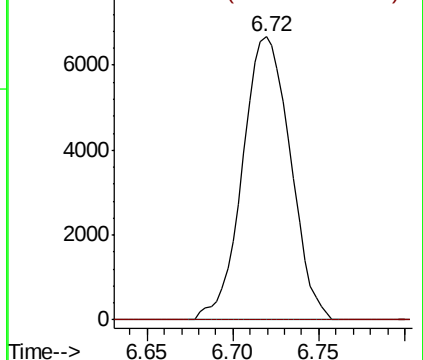


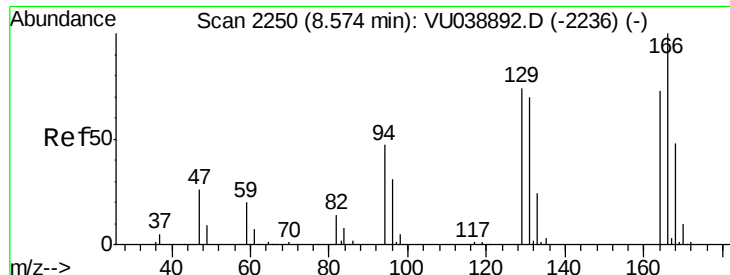
#37
1,2-Dichloropropane
Concen: 0.554 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU038909.D
Acq: 15 Jun 2020 22:09

Tgt Ion: 63 Resp: 12891
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#47

Tetrachloroethene

Concen: 5.659 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.00 min

Lab File: VU038909.D

Acq: 15 Jun 2020 22:09

Instrument :

MSVOA_U

ClientSampleId :

BFT71DL

Tot Ion:164 Resp: 102065

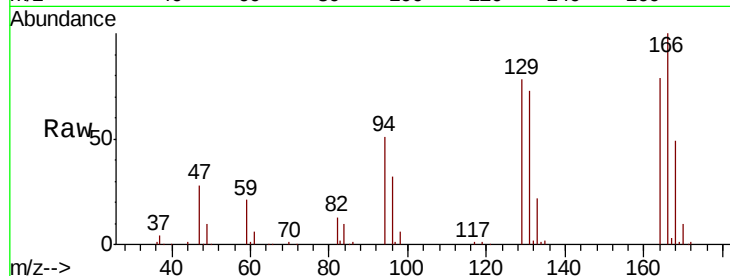
Ion Ratio Lower Upper

164 100

129 98.3 65.5 121.7

131 92.7 63.9 118.7

166 126.7 87.9 163.3

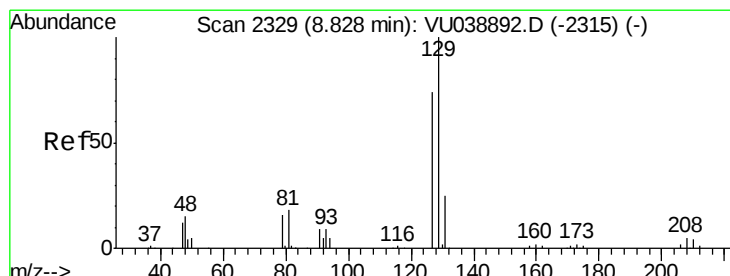
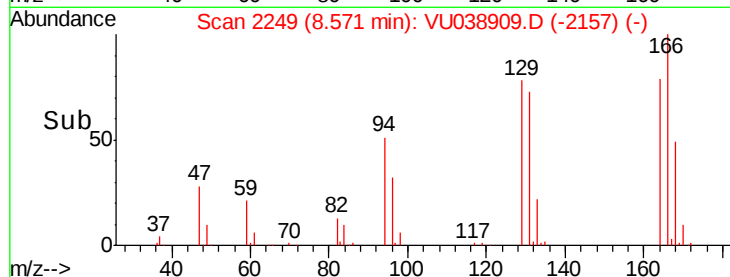
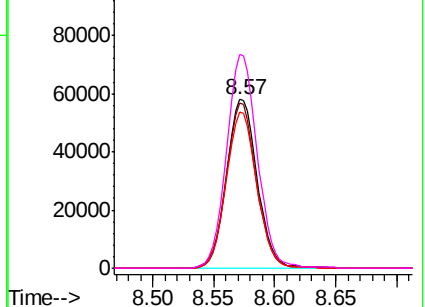


Abundance Ion 163.90 (163.60 to 164.60): V

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: 4.746 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.26 min

Lab File: VU038909.D

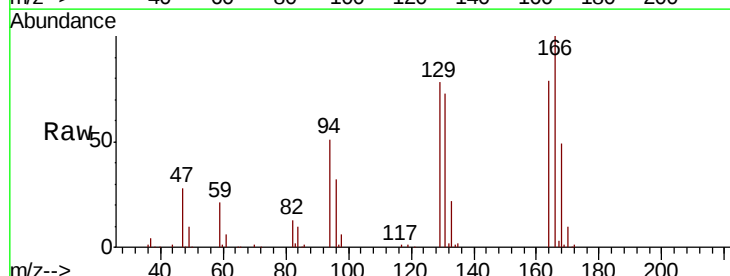
Acq: 15 Jun 2020 22:09

Tgt Ion:129 Resp: 97878

Ion Ratio Lower Upper

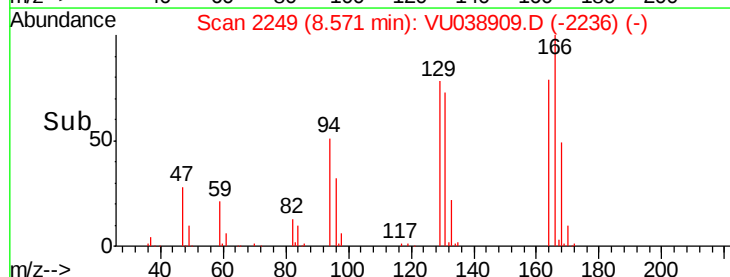
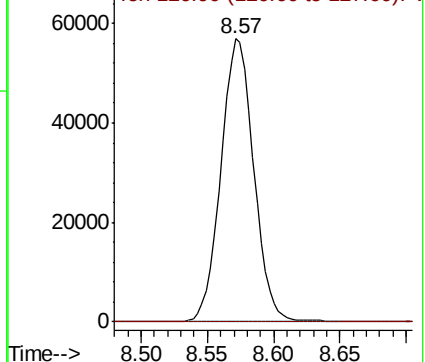
129 100

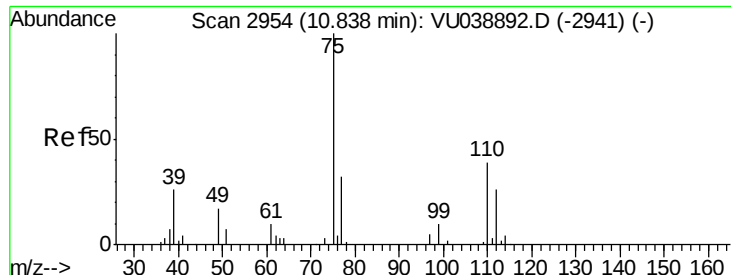
127 0.0 56.7 105.3#



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: 1.008 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038909.D

Acq: 15 Jun 2020 22:09

Instrument :

MSVOA_U

ClientSampleId :

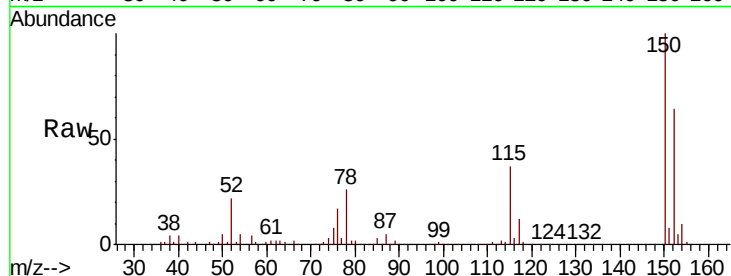
BFT71DL

Tot Ion: 75 Resp: 18068

Ion Ratio Lower Upper

75 100

77 38.3 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

