

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061520\
 Data File : VU038908.D
 Acq On : 15 Jun 2020 21:46
 Operator : SY/MD
 Sample : L2985-01DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT69DL

Quant Time: Jun 16 02:01:10 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	290807	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	294506	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	132967	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	82582	5.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.00%
7) Chloroethane-d5	1.93	69	71077	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.00%
11) 1,1-Dichloroethene-d2	2.59	63	130180	3.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.00%
20) 2-Butanone-d5	4.68	46	226822	43.25	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.50%
24) Chloroform-d	5.10	84	177131	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
26) 1,2-Dichloroethane-d4	5.74	65	104252	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	5.76	84	345299	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
36) 1,2-Dichloropropane-d6	6.72	67	105860	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.60%
41) Toluene-d8	7.92	98	287771	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
43) trans-1,3-Dichloropropene-	8.20	79	42320	4.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.60%
46) 2-Hexanone-d5	8.66	63	237803	53.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.82%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	93006	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	116746	5.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.80%

Target Compounds

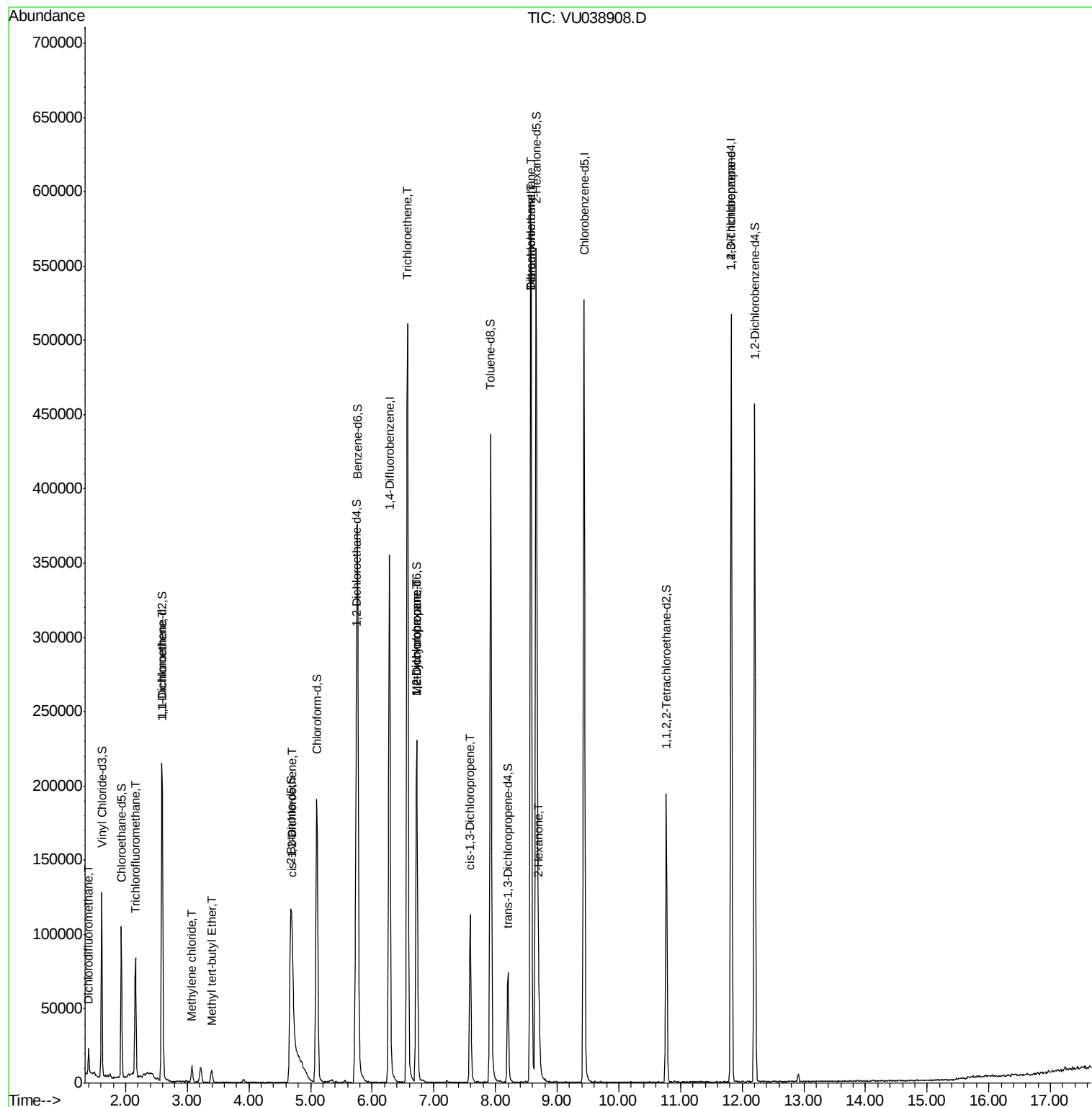
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	5264	0.186	ug/L	100
9) Trichlorofluoromethane	2.16	101	49266	1.139	ug/L	99
12) 1,1-Dichloroethene	2.60	96	2666	0.130	ug/L #	1
16) Methylene chloride	3.08	84	4947	0.209	ug/L	90
17) Methyl tert-butyl Ether	3.40	73	5794	0.110	ug/L #	91
22) cis-1,2-Dichloroethene	4.71	96	16040	0.704	ug/L	97
34) Trichloroethene	6.57	95	172553	7.554	ug/L	98
35) Methylcyclohexane	6.72	83	27054	0.795	ug/L #	18
37) 1,2-Dichloropropane	6.72	63	12357	0.547	ug/L #	85
39) cis-1,3-Dichloropropene	7.59	75	2830	0.088	ug/L #	61
47) Tetrachloroethene	8.57	164	136045	7.771	ug/L	99
48) 2-Hexanone	8.70	43	12429	1.018	ug/L #	82
49) Dibromochloromethane	8.57	129	128478	6.418	ug/L #	9
59) 1,2,3-Trichloropropane	11.83	75	16855	0.969	ug/L	90

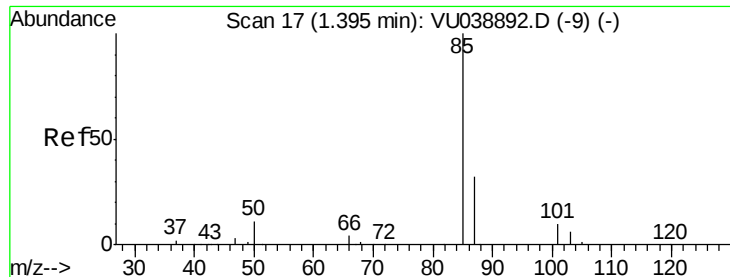
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Dichlorodifluoromethane

Concen: 0.186 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038908.D

Acq: 15 Jun 2020 21:46

Instrument :

MSVOA_U

ClientSampleId :

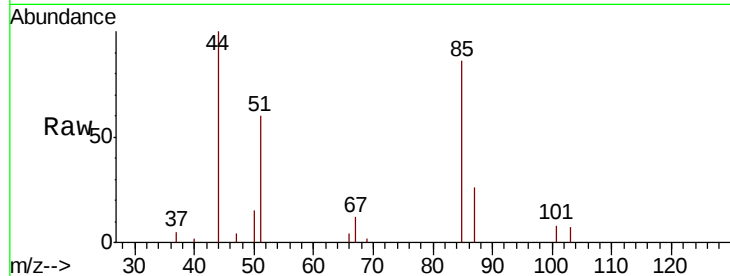
BFT69DL

Tot Ion: 85 Resp: 5264

Ion Ratio Lower Upper

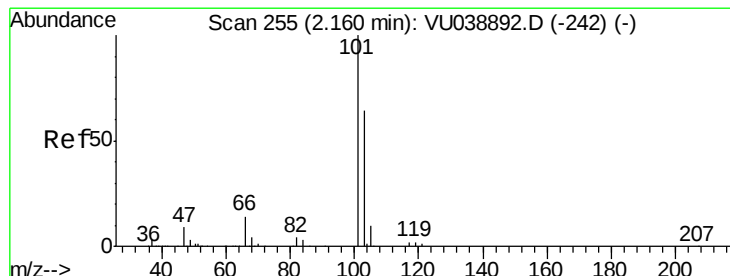
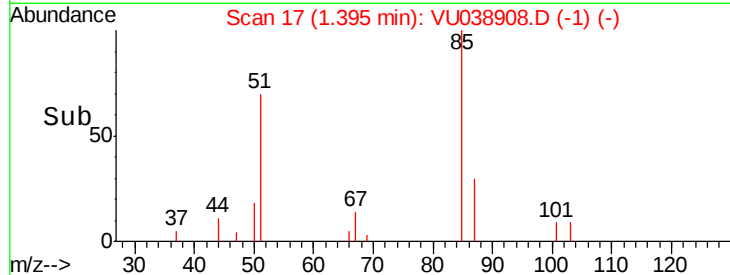
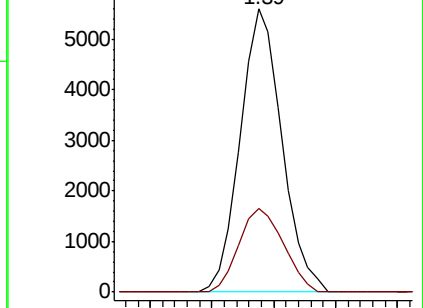
85 100

87 31.5 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) (-)



#9

Trichlorofluoromethane

Concen: 1.139 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU038908.D

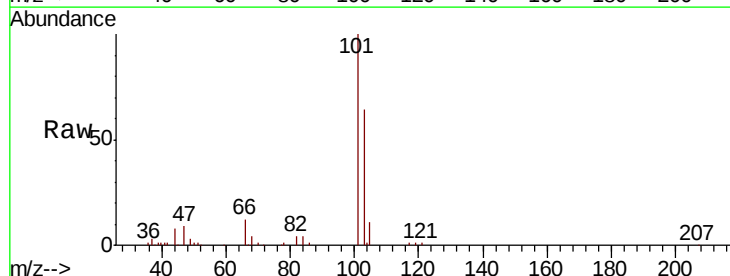
Acq: 15 Jun 2020 21:46

Tgt Ion: 101 Resp: 49266

Ion Ratio Lower Upper

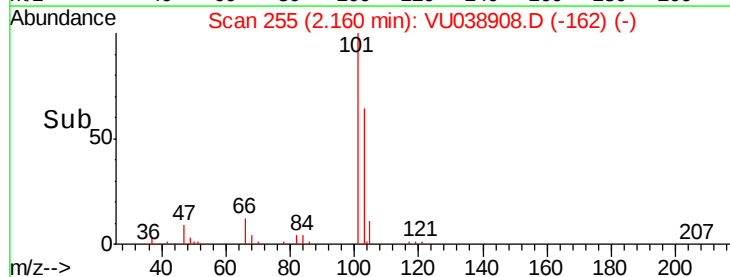
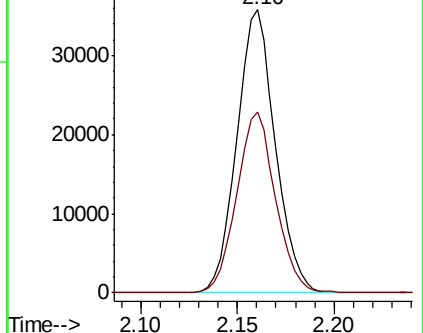
101 100

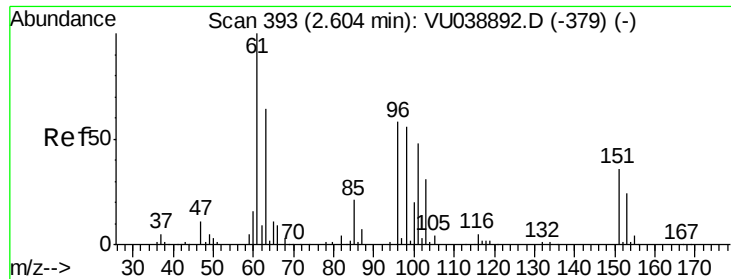
103 64.5 51.1 76.7



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

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





#12

1,1-Dichloroethene

Concen: 0.130 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038908.D

Acq: 15 Jun 2020 21:46

Instrument :

MSVOA_U

ClientSampleId :

BFT69DL

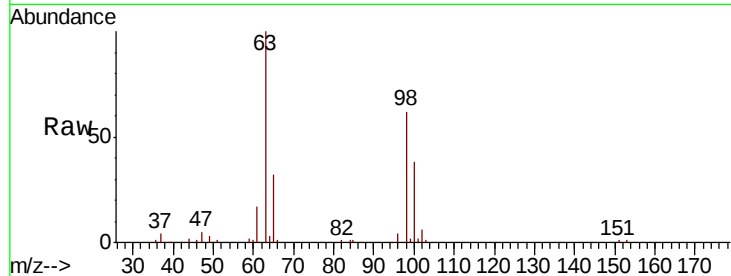
Tot Ion: 96 Resp: 2666

Ion Ratio Lower Upper

96 100

61 475.4 124.9 232.1#

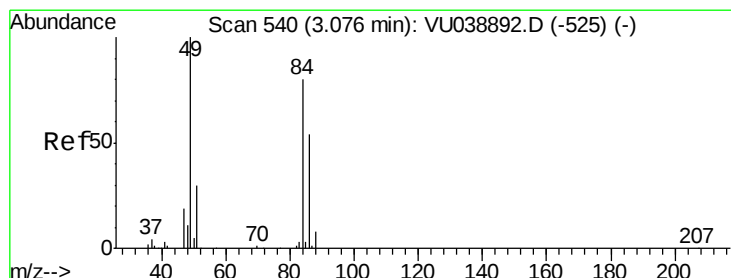
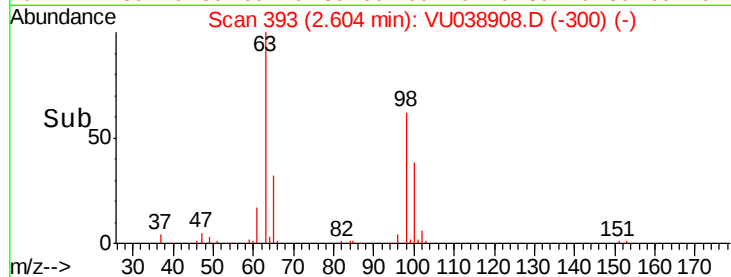
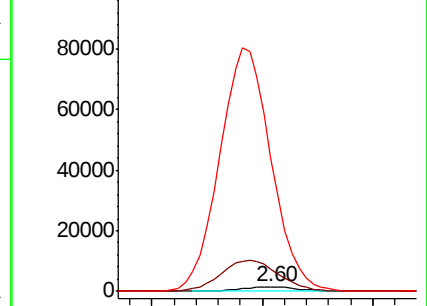
63 2831.7 79.1 146.9#



Abundance Ion 96.00 (95.70 to 96.70): VU038892.D (-379) (-)

Ion 61.05 (60.75 to 61.75): VU038892.D (-379) (-)

Ion 63.00 (62.70 to 63.70): VU038892.D (-379) (-)



#16

Methylene chloride

Concen: 0.209 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU038908.D

Acq: 15 Jun 2020 21:46

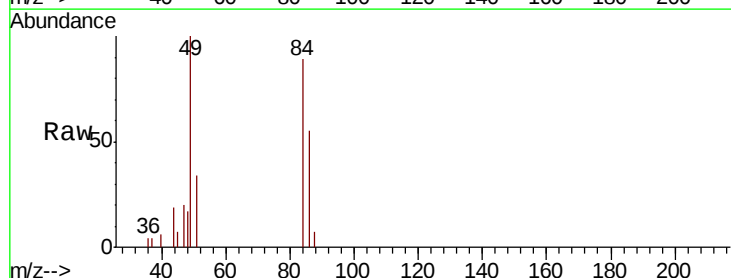
Tgt Ion: 84 Resp: 4947

Ion Ratio Lower Upper

84 100

86 62.4 47.9 89.1

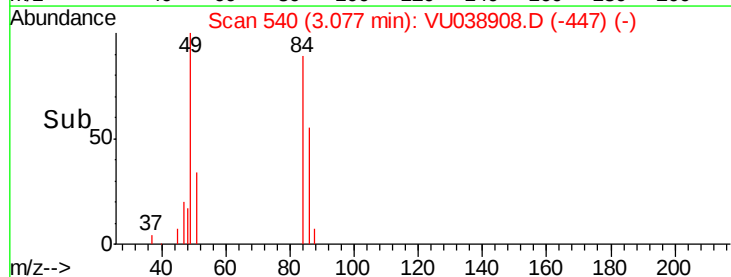
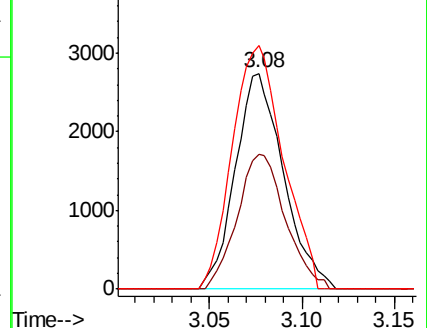
49 112.9 88.4 164.2

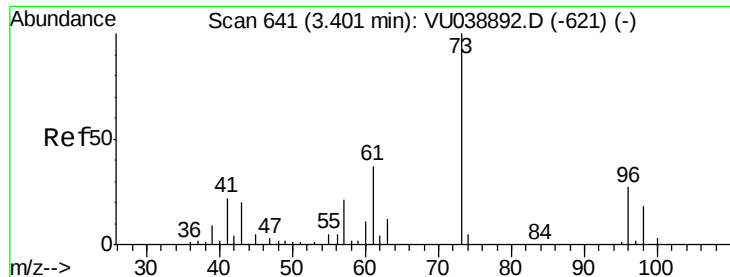


Abundance Ion 84.05 (83.75 to 84.75): VU038892.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU038892.D (-525) (-)

Ion 49.10 (48.80 to 49.80): VU038892.D (-525) (-)

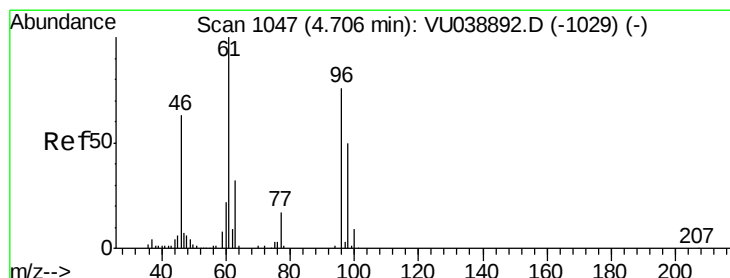
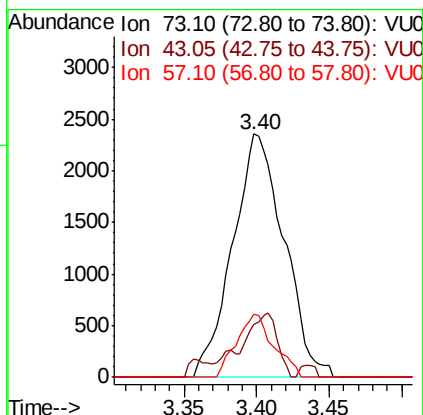
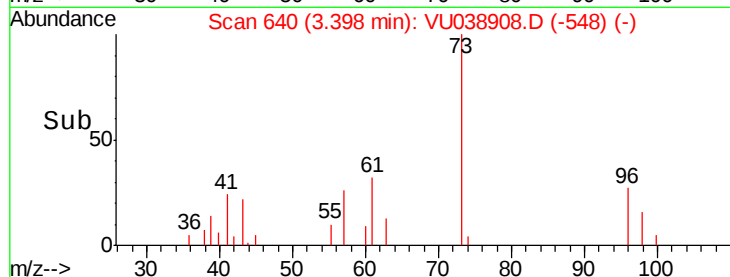
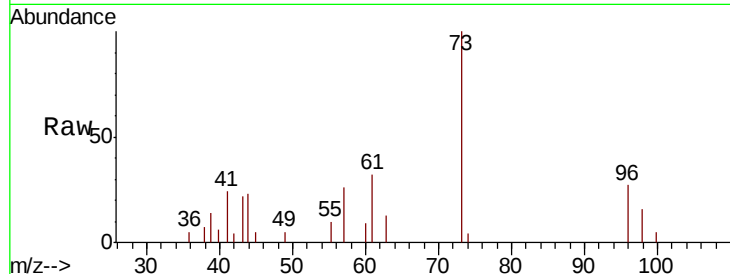




#17
Methvl tert-butvl Ether
Concen: 0.110 ug/L
RT: 3.40 min Scan# 640
Delta R.T. -0.00 min
Lab File: VU038908.D
Acq: 15 Jun 2020 21:46

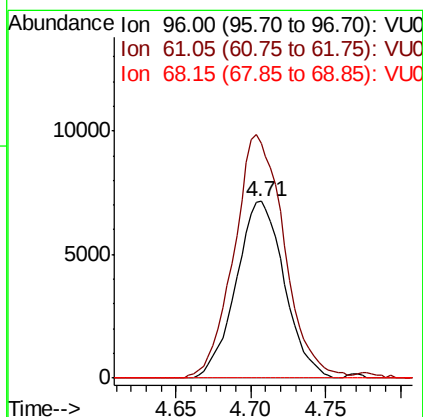
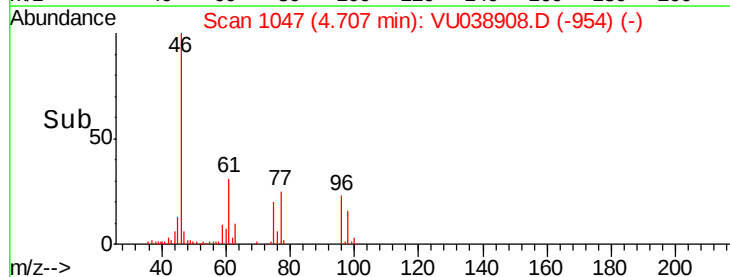
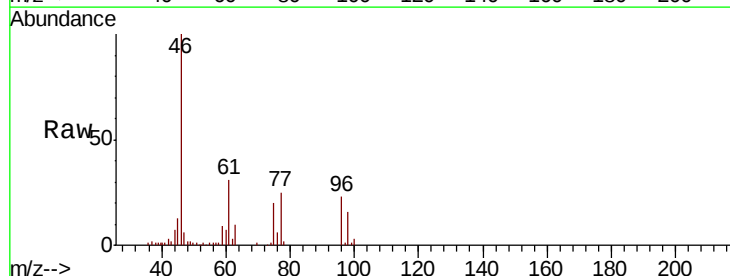
Instrument :
MSVOA_U
ClientSampleId :
BFT69DL

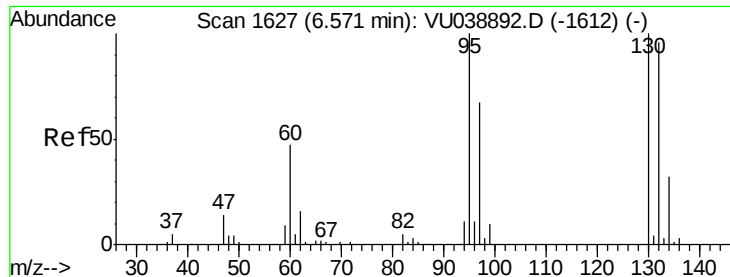
Tot Ion: 73 Resp: 5794
Ion Ratio Lower Upper
73 100
43 15.1 16.6 24.8#
57 18.6 17.5 26.3



#22
cis-1,2-Dichloroethene
Concen: 0.704 ug/L
RT: 4.71 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU038908.D
Acq: 15 Jun 2020 21:46

Tgt Ion: 96 Resp: 16040
Ion Ratio Lower Upper
96 100
61 133.0 90.5 168.1
68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 7.554 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU038908.D

Acq: 15 Jun 2020 21:46

Instrument :

MSVOA_U

ClientSampleId :

BFT69DL

Tot Ion: 95 Resp: 172553

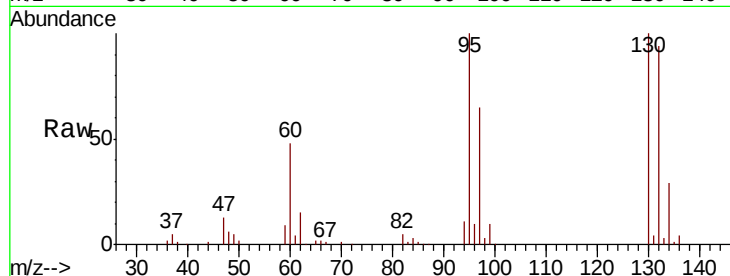
Ion Ratio Lower Upper

95 100

97 65.2 46.1 85.5

132 94.1 68.2 126.6

130 99.6 71.0 131.9

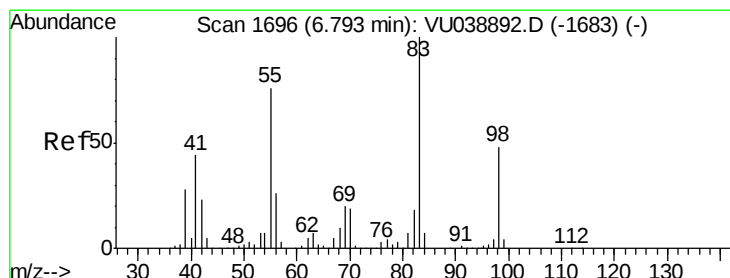
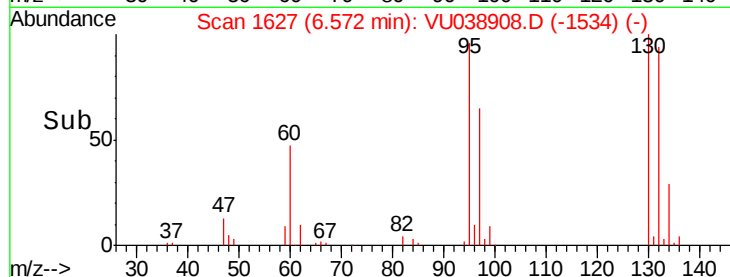
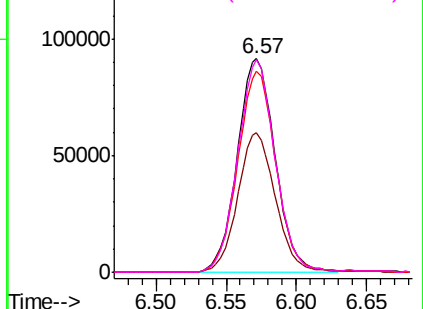


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.795 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.07 min

Lab File: VU038908.D

Acq: 15 Jun 2020 21:46

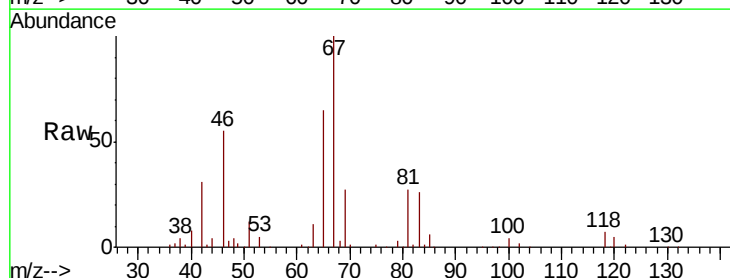
Tgt Ion: 83 Resp: 27054

Ion Ratio Lower Upper

83 100

55 0.6 63.6 95.4#

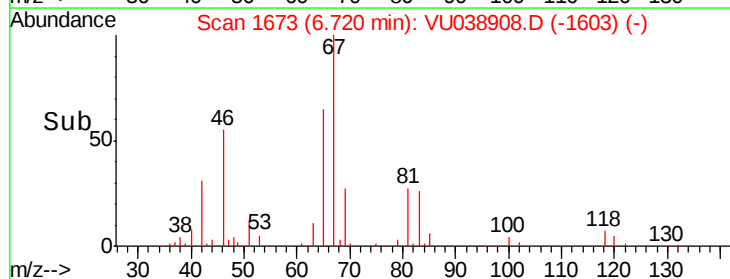
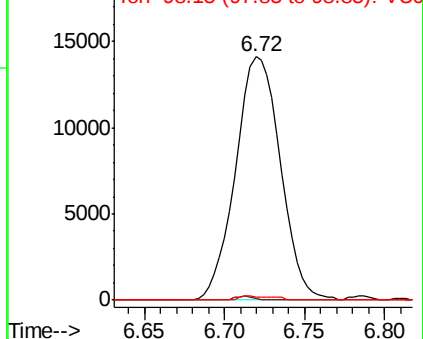
98 0.7 38.9 58.3#

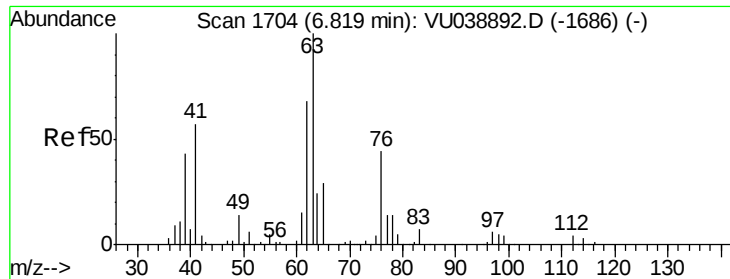


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

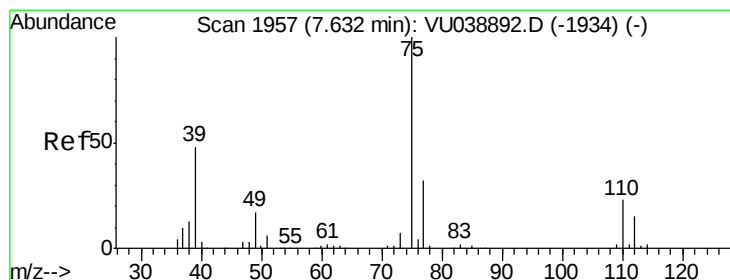
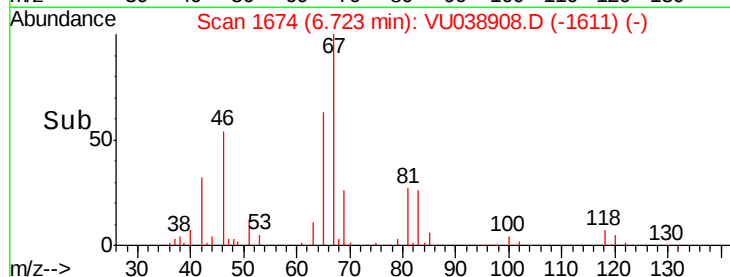
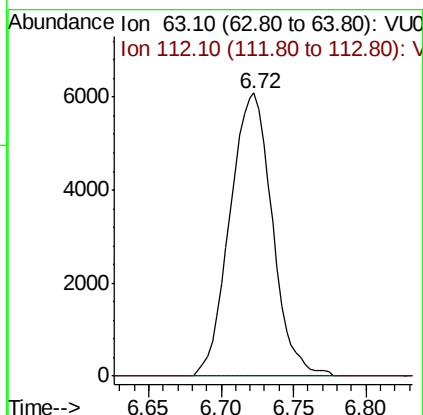
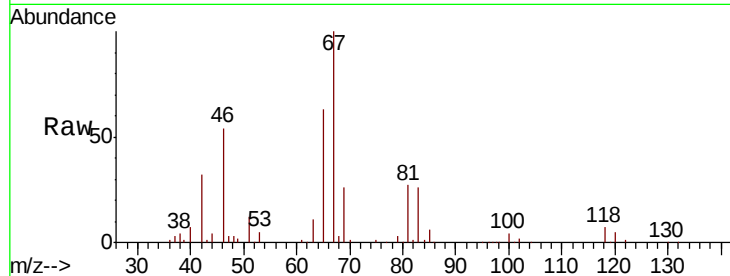




#37
 1,2-Dichloropropane
 Concen: 0.547 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU038908.D
 Acq: 15 Jun 2020 21:46

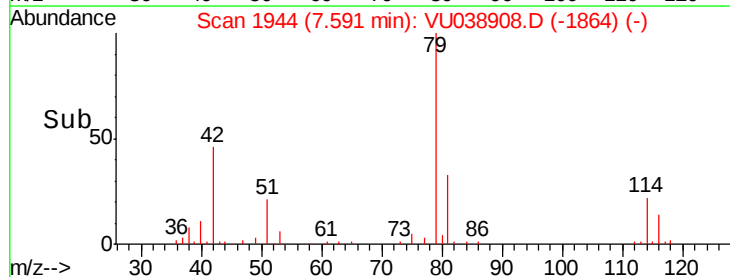
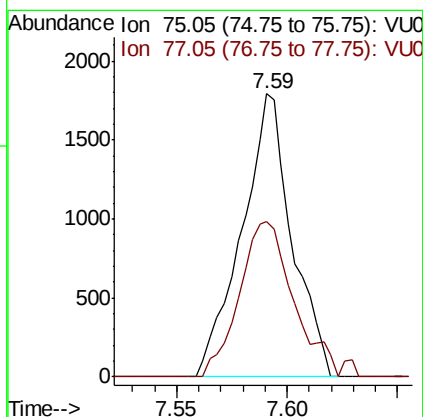
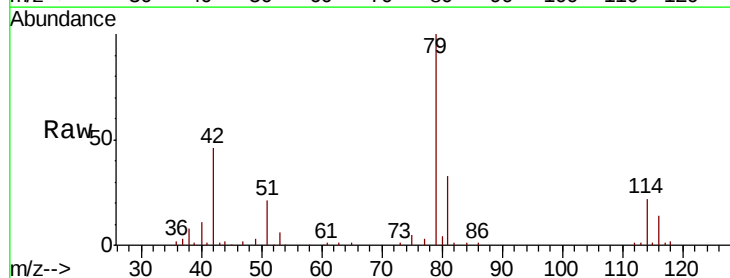
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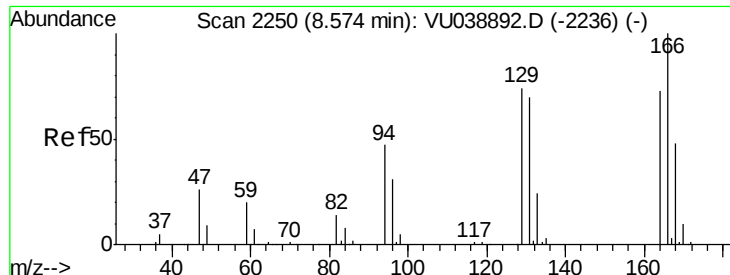
Tot Ion: 63 Resp: 12357
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.088 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038908.D
 Acq: 15 Jun 2020 21:46

Tgt Ion: 75 Resp: 2830
 Ion Ratio Lower Upper
 75 100
 77 55.0 23.0 42.6#





#47

Tetrachloroethene

Concen: 7.771 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.00 min

Lab File: VU038908.D

Acq: 15 Jun 2020 21:46

Instrument :

MSVOA_U

ClientSampled :

BFT69DL

Tot Ion:164 Resp: 136045

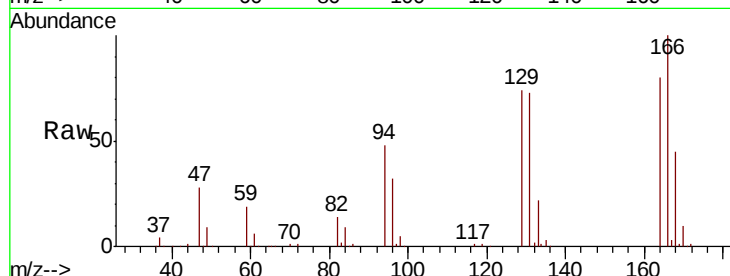
Ion Ratio Lower Upper

164 100

129 92.7 65.5 121.7

131 90.7 63.9 118.7

166 125.1 87.9 163.3

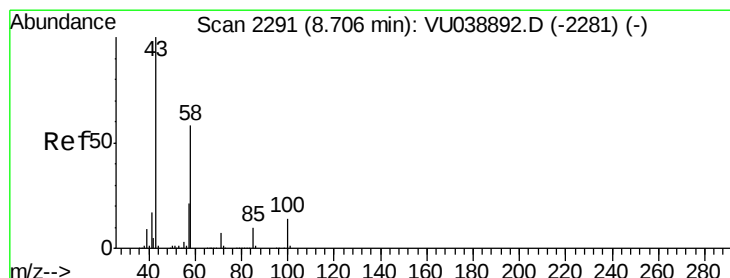
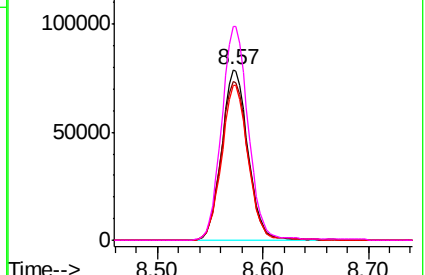
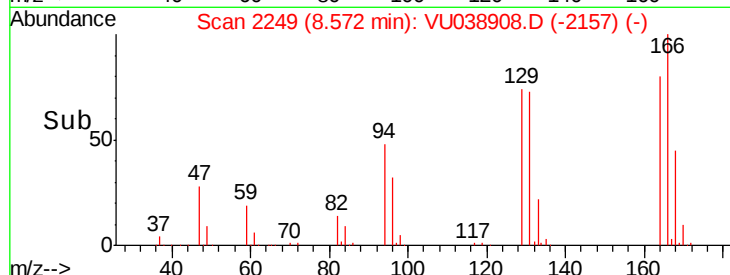


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 1.018 ug/L

RT: 8.70 min Scan# 2290

Delta R.T. -0.00 min

Lab File: VU038908.D

Acq: 15 Jun 2020 21:46

Tgt Ion: 43 Resp: 12429

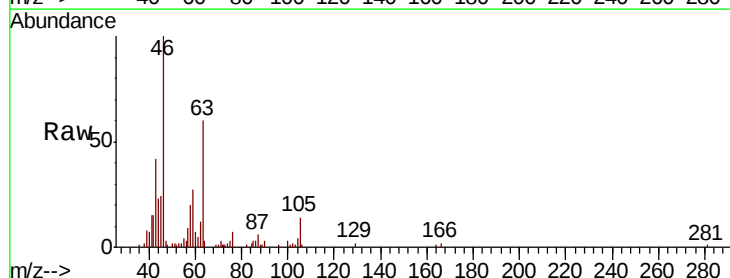
Ion Ratio Lower Upper

43 100

58 48.5 45.4 68.2

57 0.0 16.4 24.6#

100 10.1 10.6 15.8#

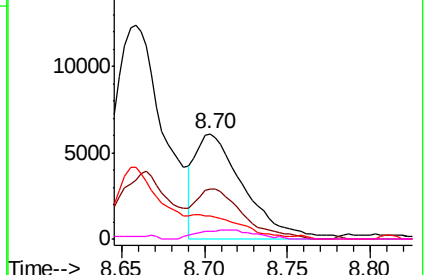
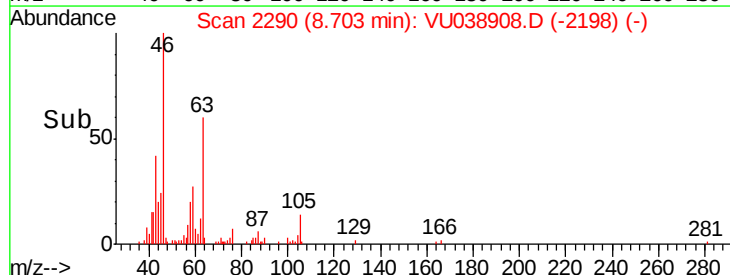


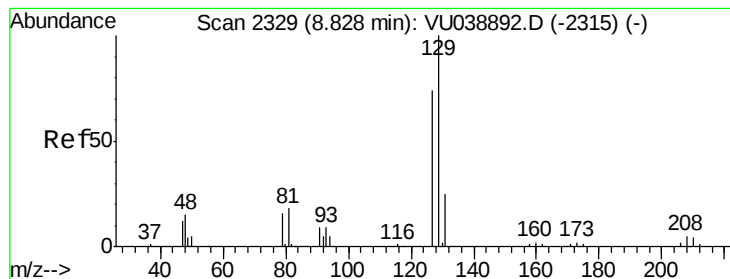
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 6.418 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.26 min

Lab File: VU038908.D

Acq: 15 Jun 2020 21:46

Instrument :

MSVOA_U

ClientSampled :

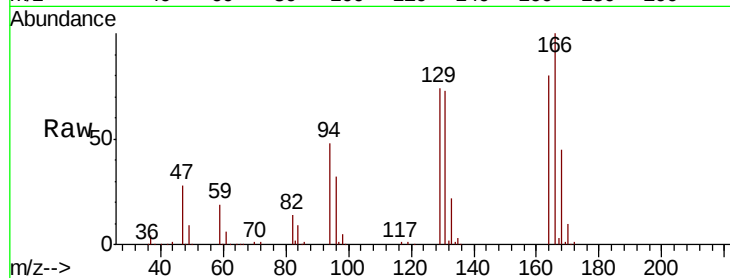
BFT69DL

Tot Ion:129 Resp: 128478

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

8.57

80000

60000

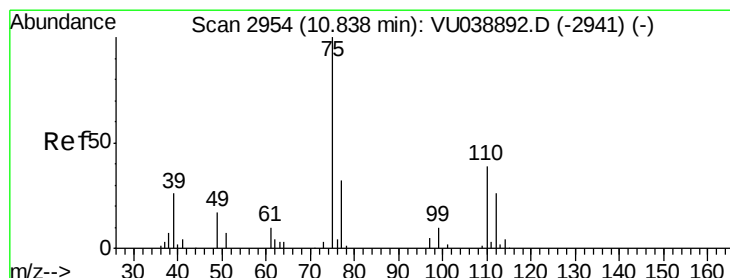
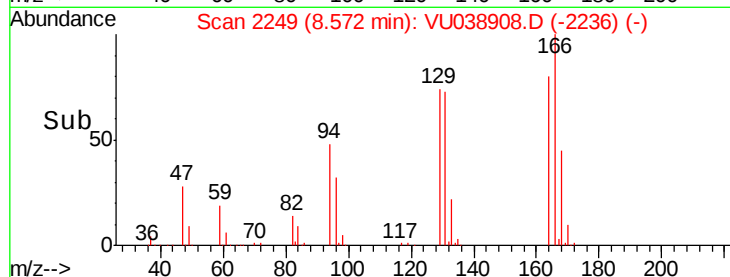
40000

20000

0

Time-->

8.50 8.55 8.60 8.65



#59

1,2,3-Trichloropropane

Concen: 0.969 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.99 min

Lab File: VU038908.D

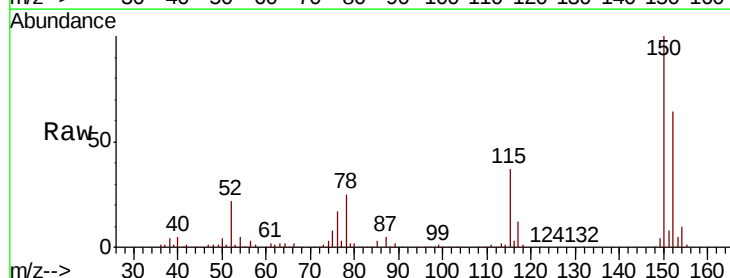
Acq: 15 Jun 2020 21:46

Tgt Ion: 75 Resp: 16855

Ion Ratio Lower Upper

75 100

77 37.7 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

12000

10000

8000

6000

4000

2000

0

Time-->

11.75 11.80 11.85

