

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061520\
 Data File : VU038913.D
 Acq On : 15 Jun 2020 23:41
 Operator : SY/MD
 Sample : L2985-08DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT76DL

Quant Time: Jun 16 02:02:55 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	272162	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	279839	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	127050	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	80423	5.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	118.60%
7) Chloroethane-d5	1.93	69	88161	6.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	132.40%#
11) 1,1-Dichloroethene-d2	2.58	63	136568	4.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.00%
20) 2-Butanone-d5	4.69	46	331113	67.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	134.92%#
24) Chloroform-d	5.10	84	179283	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
26) 1,2-Dichloroethane-d4	5.74	65	109836	5.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.40%
32) Benzene-d6	5.76	84	352560	5.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.20%
36) 1,2-Dichloropropane-d6	6.72	67	108609	5.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.80%
41) Toluene-d8	7.92	98	286937	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
43) trans-1,3-Dichloropropene-	8.20	79	45004	5.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.80%
46) 2-Hexanone-d5	8.67	63	263300	62.23	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	124.46%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	102794	5.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	118568	5.46	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.20%

Target Compounds

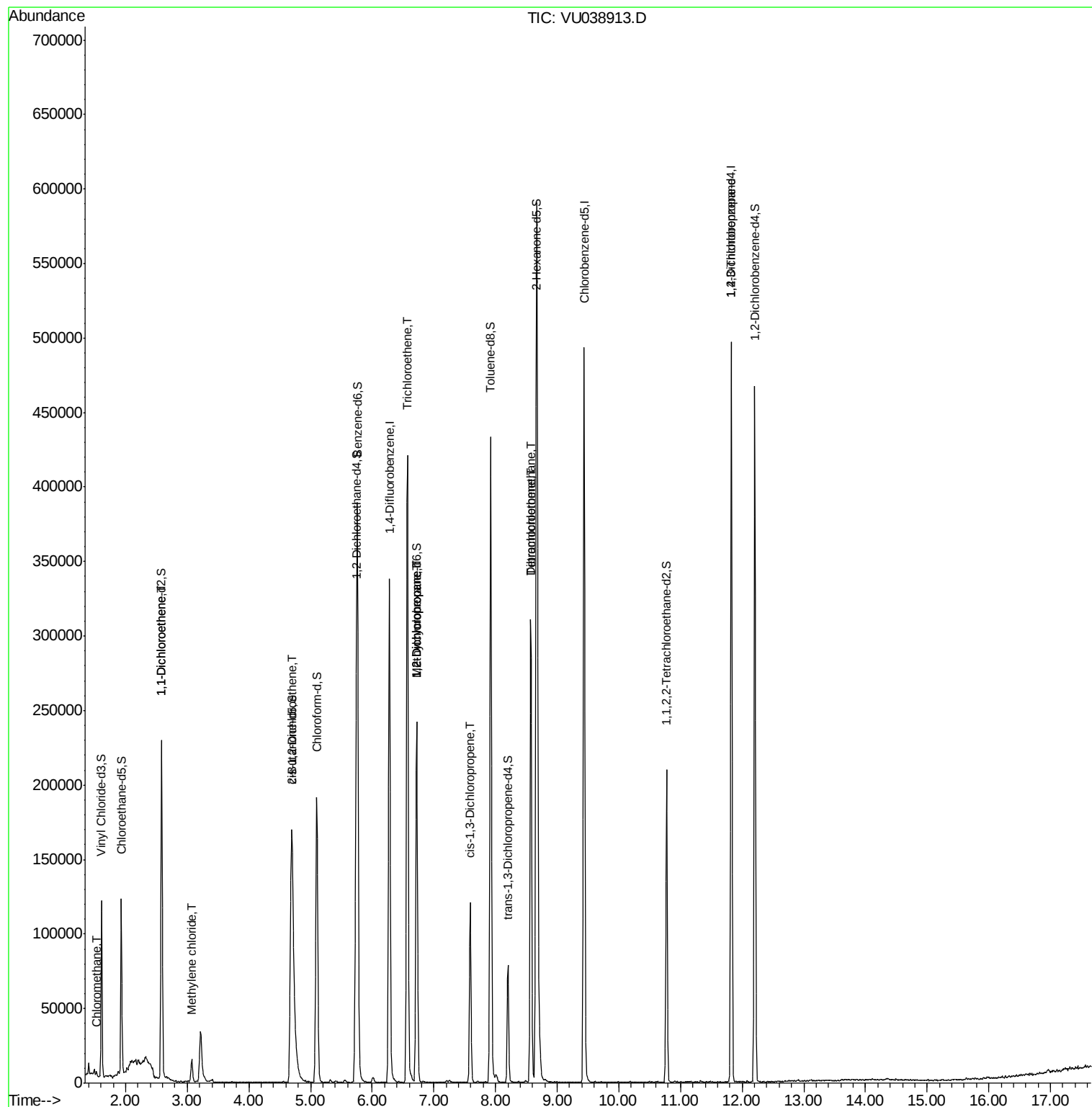
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	2252	0.102	ug/L	89
12) 1,1-Dichloroethene	2.59	96	1673	0.087	ug/L #	1
16) Methylene chloride	3.07	84	7136	0.323	ug/L	81
22) cis-1,2-Dichloroethene	4.70	96	19418	0.911	ug/L	97
34) Trichloroethene	6.57	95	141492	6.519	ug/L	99
35) Methylcyclohexane	6.72	83	26587	0.822	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	12677	0.591	ug/L #	85
39) cis-1,3-Dichloropropene	7.59	75	3221	0.105	ug/L	86
47) Tetrachloroethene	8.57	164	70405	4.233	ug/L	99
49) Dibromochloromethane	8.57	129	67504	3.549	ug/L #	9
59) 1,2,3-Trichloropropane	11.83	75	15866	0.960	ug/L	89

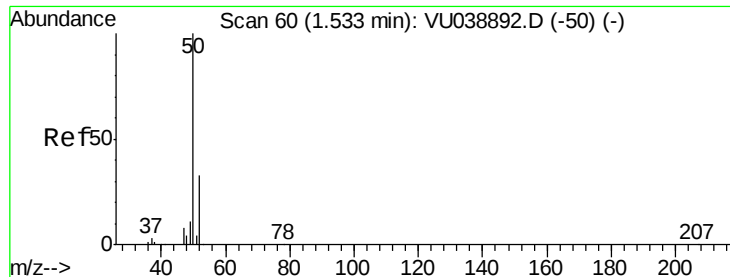
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.102 ug/L

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU038913.D

Acq: 15 Jun 2020 23:41

Instrument :

MSVOA_U

ClientSampleId :

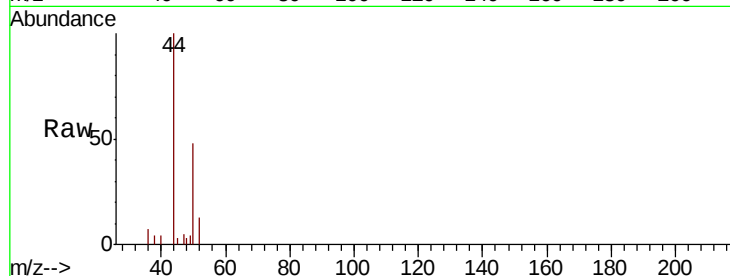
BFT76DL

Tot Ion: 50 Resp: 2252

Ion Ratio Lower Upper

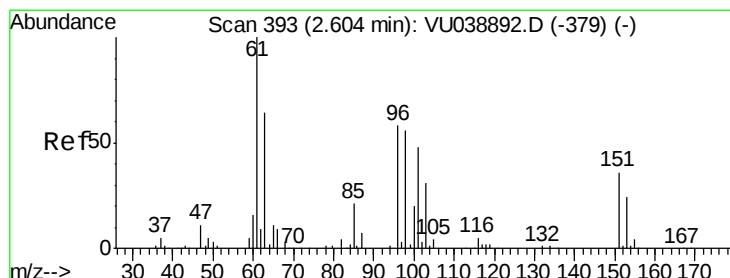
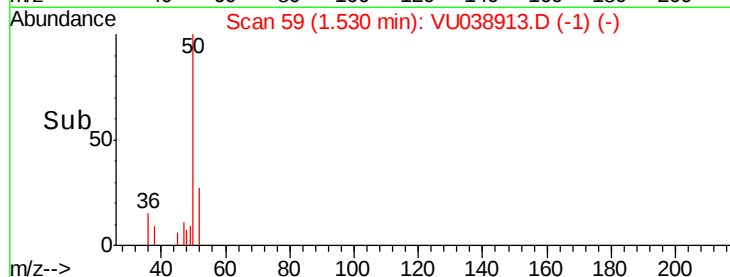
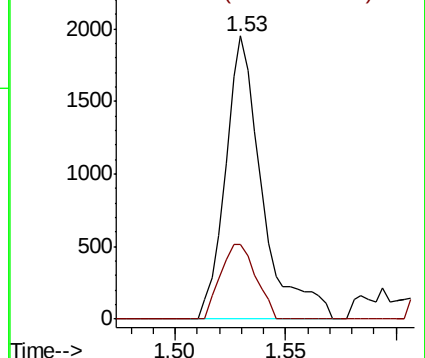
50 100

52 26.6 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#12

1,1-Dichloroethene

Concen: 0.087 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU038913.D

Acq: 15 Jun 2020 23:41

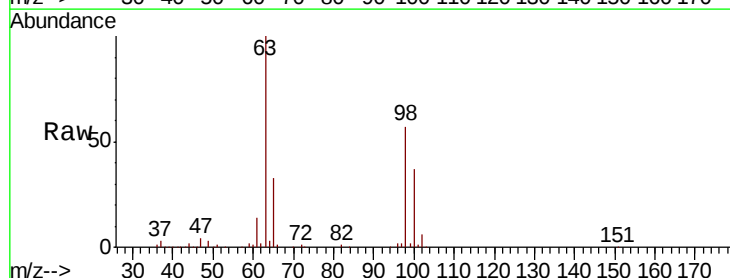
Tgt Ion: 96 Resp: 1673

Ion Ratio Lower Upper

96 100

61 855.0 124.9 232.1#

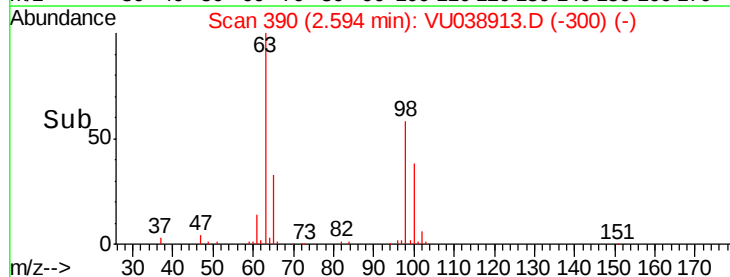
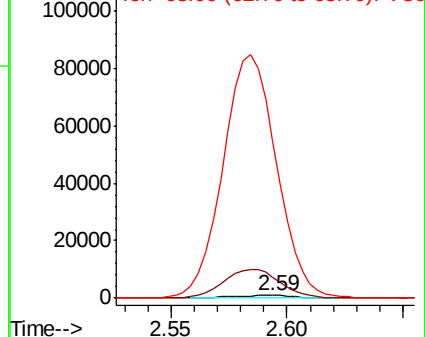
63 6306.4 79.1 146.9#

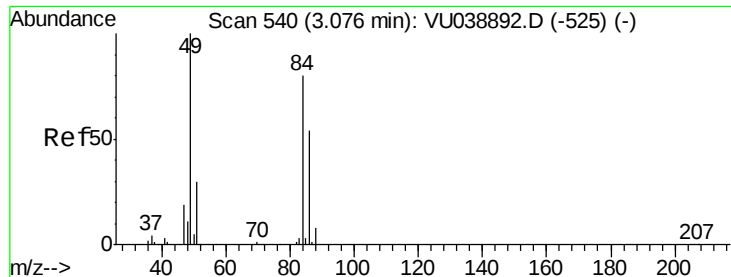


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

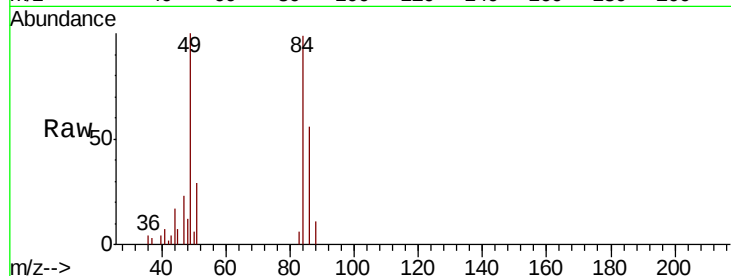




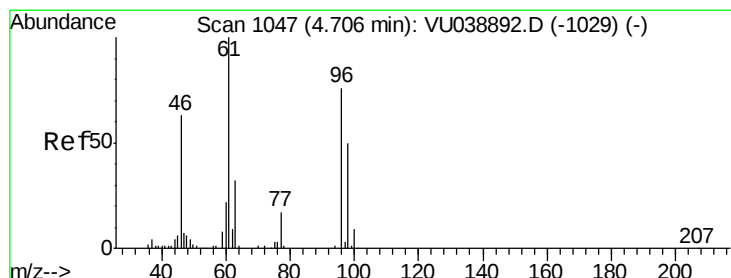
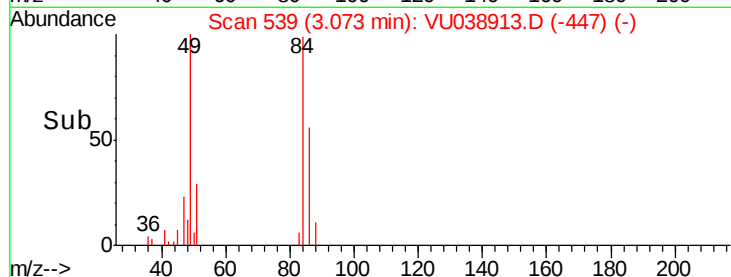
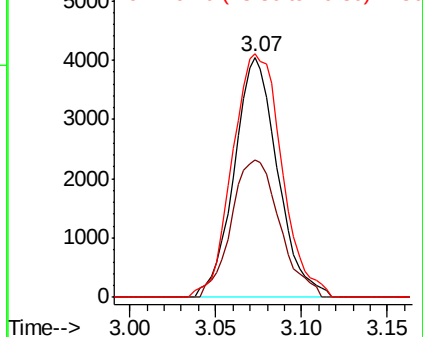
#16
Methvlene chloride
Concen: 0.323 ug/L
RT: 3.07 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU038913.D
Acq: 15 Jun 2020 23:41

Instrument :
MSVOA_U
ClientSampleId :
BFT76DL

Tot Ion: 84 Resp: 7136
Ion Ratio Lower Upper
84 100
86 57.1 47.9 89.1
49 101.4 88.4 164.2

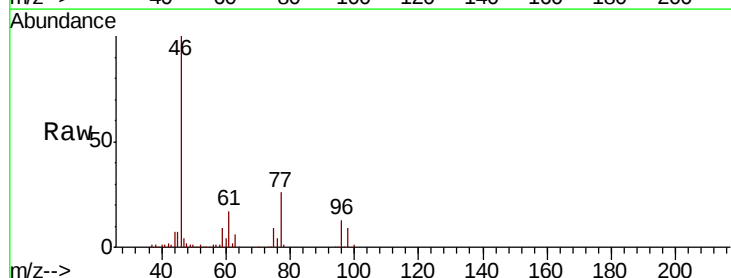


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

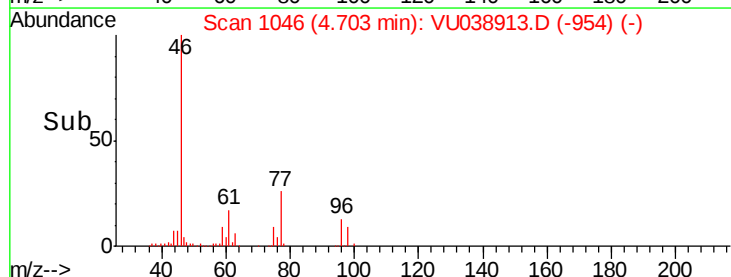
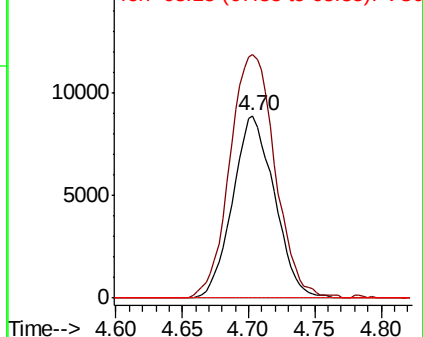


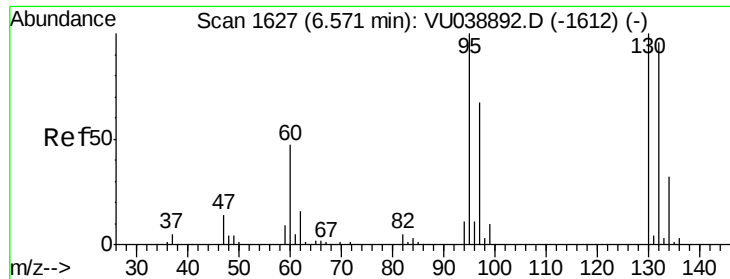
#22
cis-1,2-Dichloroethene
Concen: 0.911 ug/L
RT: 4.70 min Scan# 1046
Delta R.T. -0.00 min
Lab File: VU038913.D
Acq: 15 Jun 2020 23:41

Tgt Ion: 96 Resp: 19418
Ion Ratio Lower Upper
96 100
61 133.3 90.5 168.1
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





#34

Trichloroethene

Concen: 6.519 ug/L

RT: 6.57 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VU038913.D

Acq: 15 Jun 2020 23:41

Instrument :

MSVOA_U

ClientSampleId :

BFT76DL

Tot Ion: 95 Resp: 141492

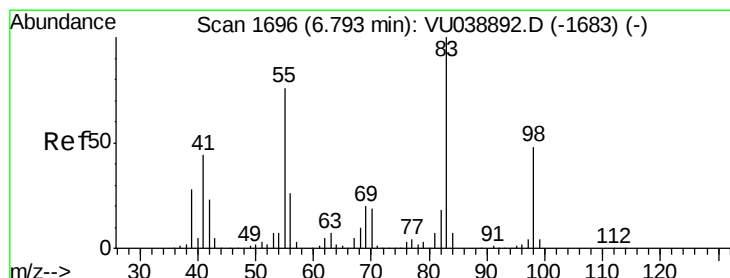
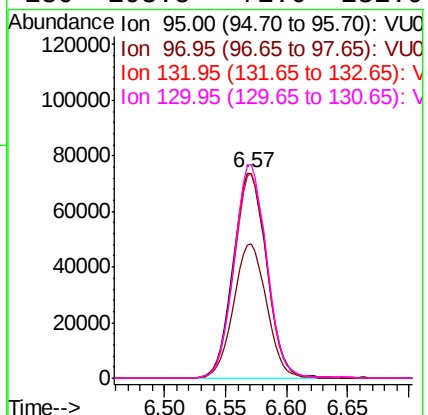
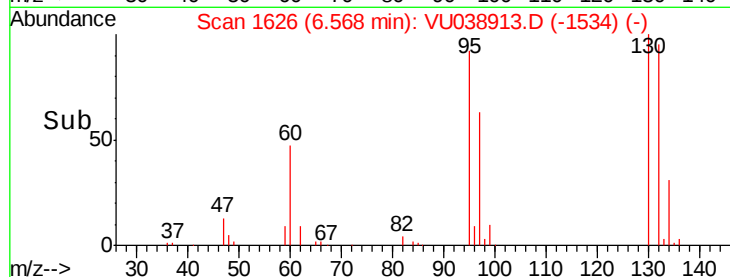
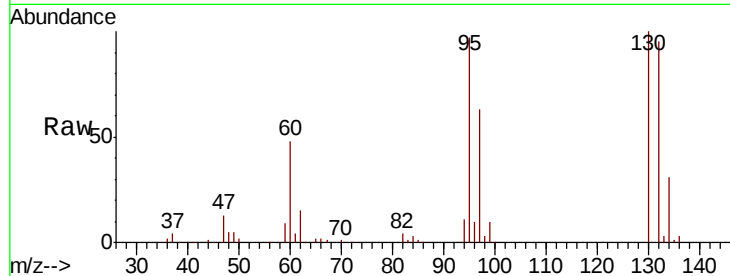
Ion Ratio Lower Upper

95 100

97 65.1 46.1 85.5

132 98.6 68.2 126.6

130 103.5 71.0 131.9



#35

Methylcyclohexane

Concen: 0.822 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.07 min

Lab File: VU038913.D

Acq: 15 Jun 2020 23:41

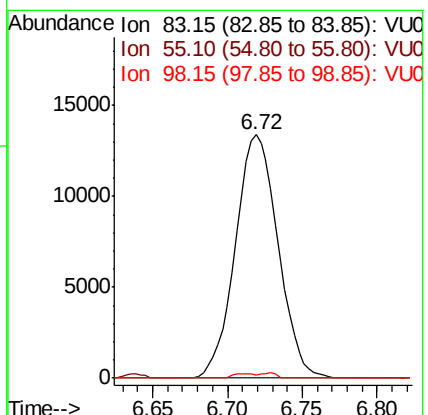
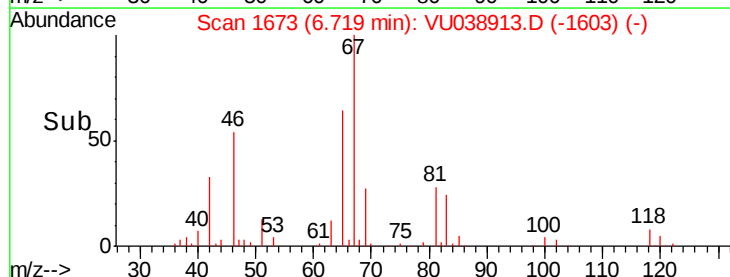
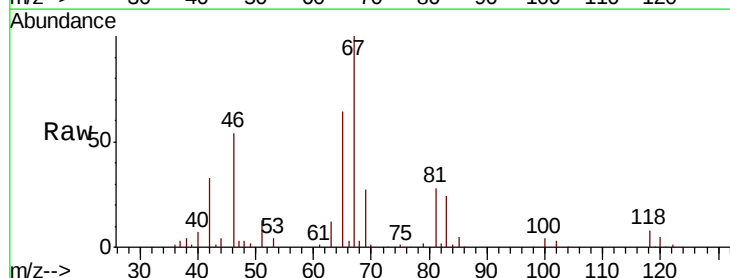
Tgt Ion: 83 Resp: 26587

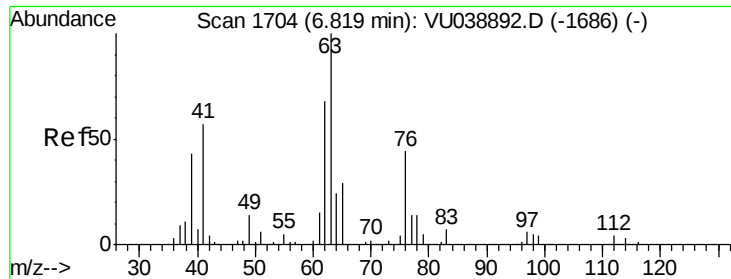
Ion Ratio Lower Upper

83 100

55 0.0 63.6 95.4#

98 0.7 38.9 58.3#

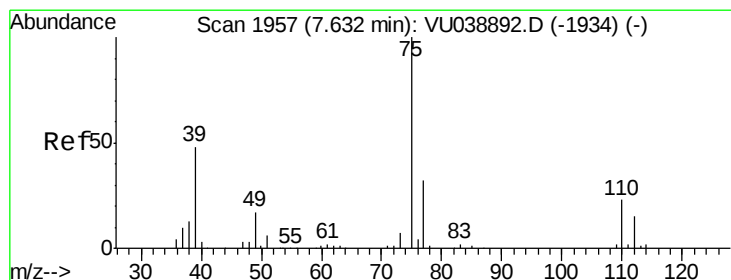
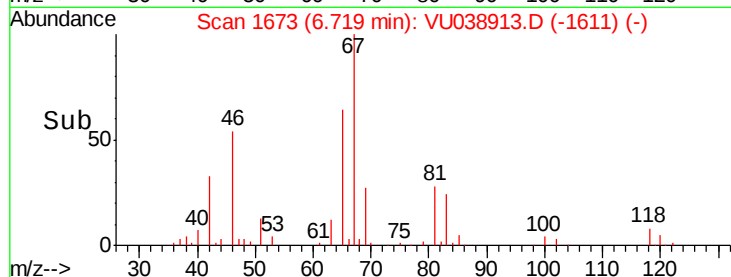
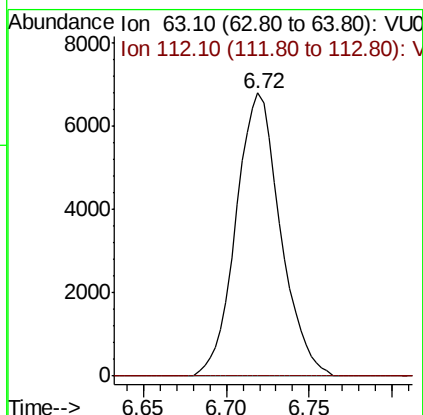
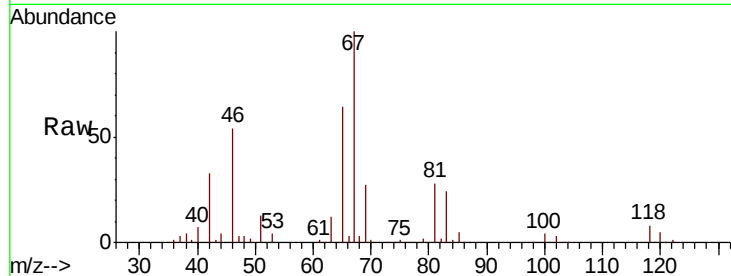




#37
 1,2-Dichloropropane
 Concen: 0.591 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.10 min
 Lab File: VU038913.D
 Acq: 15 Jun 2020 23:41

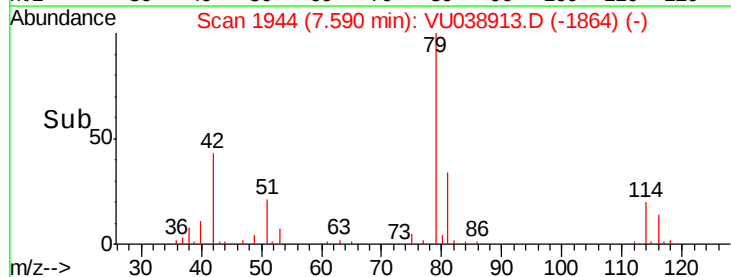
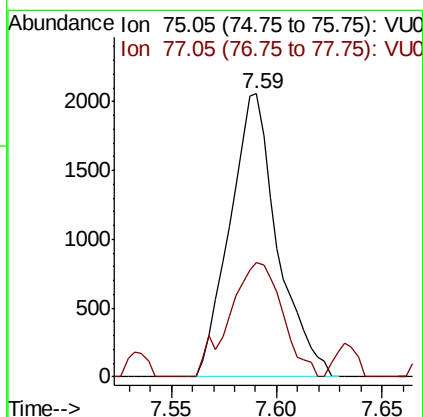
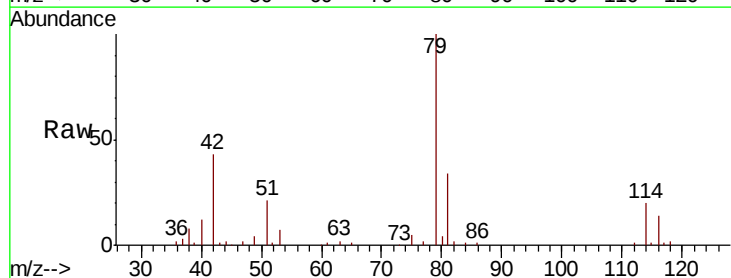
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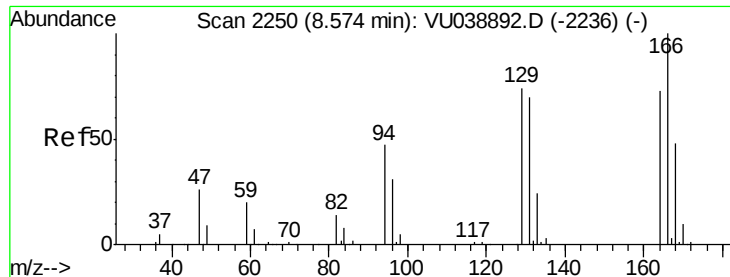
Tot Ion: 63 Resp: 12677
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.105 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038913.D
 Acq: 15 Jun 2020 23:41

Tgt Ion: 75 Resp: 3221
 Ion Ratio Lower Upper
 75 100
 77 40.5 23.0 42.6





#47

Tetrachloroethene

Concen: 4.233 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038913.D

Acq: 15 Jun 2020 23:41

Instrument :

MSVOA_U

ClientSampleId :

BFT76DL

Tot Ion:164 Resp: 70405

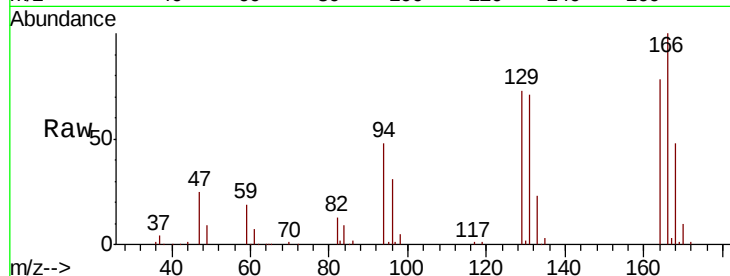
Ion Ratio Lower Upper

164 100

129 94.1 65.5 121.7

131 91.3 63.9 118.7

166 129.0 87.9 163.3

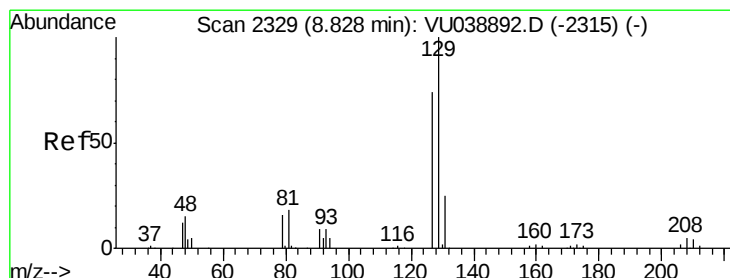
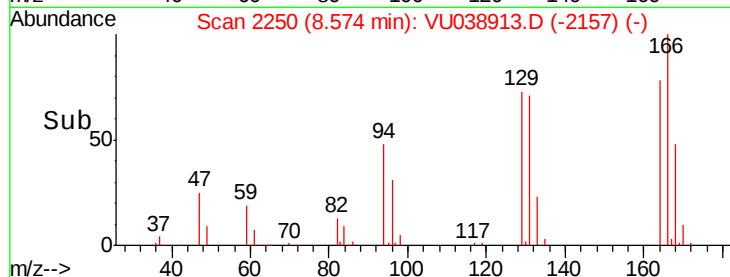
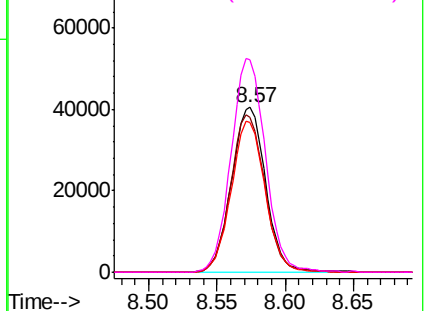


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.549 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.26 min

Lab File: VU038913.D

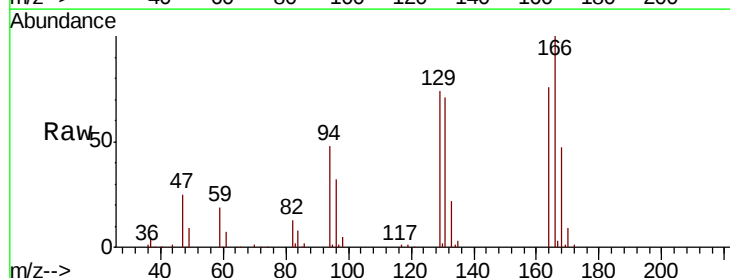
Acq: 15 Jun 2020 23:41

Tgt Ion:129 Resp: 67504

Ion Ratio Lower Upper

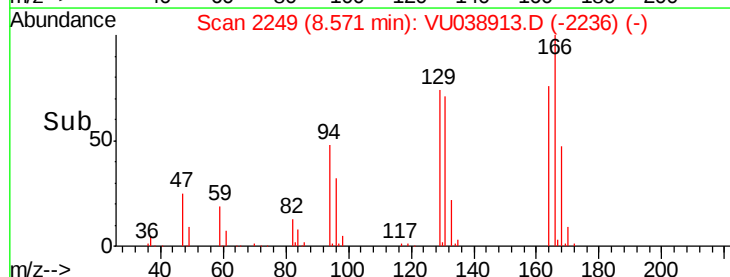
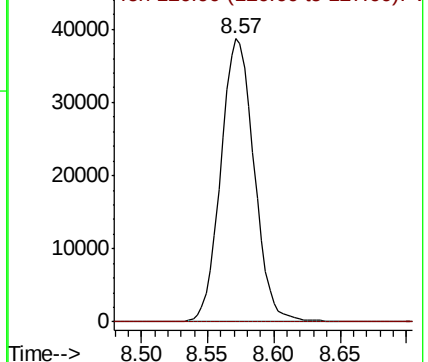
129 100

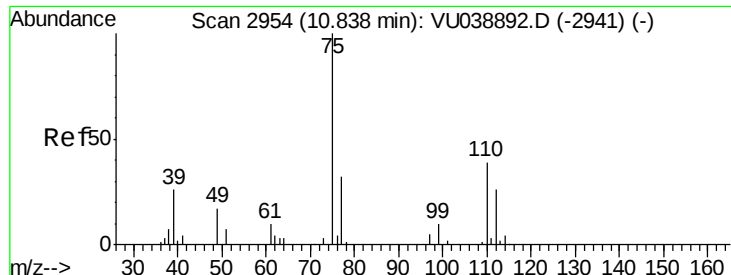
127 0.0 56.7 105.3#



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: 0.960 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.99 min

Lab File: VU038913.D

Acq: 15 Jun 2020 23:41

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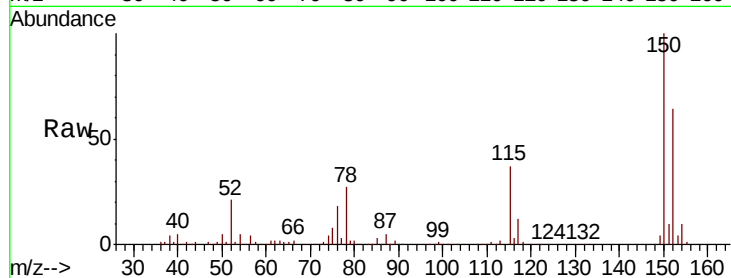
BFT76DL

Tot Ion: 75 Resp: 15866

Ion Ratio Lower Upper

75 100

77 38.5 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

