

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051420\
 Data File : VU038168.D
 Acq On : 14 May 2020 14:46
 Operator : JC/MD
 Sample : L2631-09DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 15 01:08:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 15 01:05:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	353820	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	346878	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	162825	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	111066	3.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.60%
7) Chloroethane-d5	1.93	69	112131	4.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.20%
11) 1,1-Dichloroethene-d2	2.59	63	153527	2.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.80%#
20) 2-Butanone-d5	4.67	46	468610	58.69	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.38%
24) Chloroform-d	5.10	84	218852	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	5.74	65	133195	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	5.76	84	466614	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
36) 1,2-Dichloropropane-d6	6.72	67	156026	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.00%
41) Toluene-d8	7.92	98	399133	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
43) trans-1,3-Dichloropropene-	8.20	79	55551	4.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.60%
46) 2-Hexanone-d5	8.65	63	372663	58.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.44%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	133758	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	151785	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

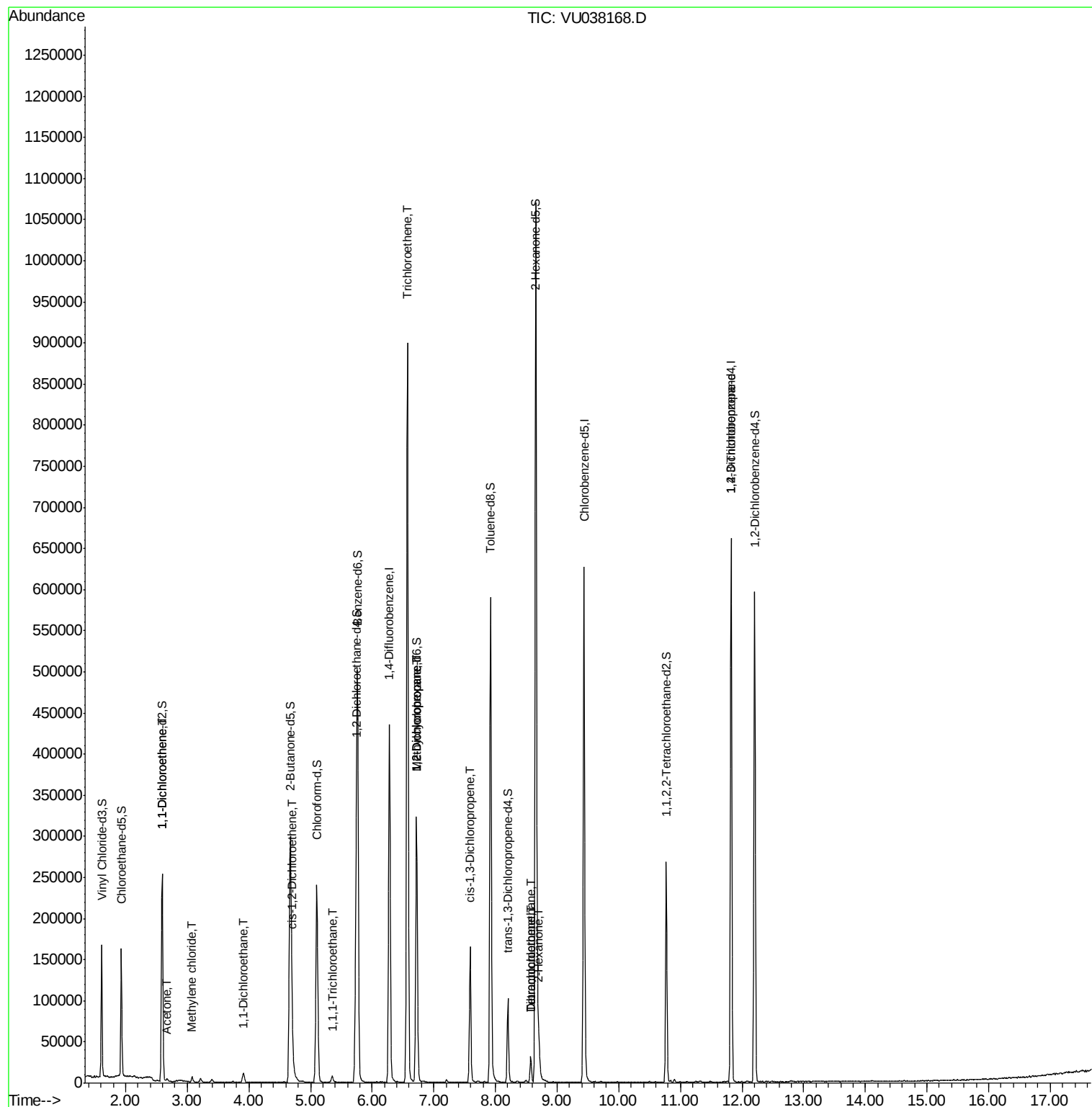
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	3519	0.143	ug/L #	1
13) Acetone	2.67	43	4286	0.856	ug/L	73
16) Methylene chloride	3.08	84	2685	0.094	ug/L	96
19) 1,1-Dichloroethane	3.91	63	13374	0.255	ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	5230	0.181	ug/L	86
29) 1,1,1-Trichloroethane	5.35	97	5354	0.135	ug/L	98
34) Trichloroethene	6.57	95	305477	10.995	ug/L	98
35) Methylcyclohexane	6.72	83	35240	0.783	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	15804	0.524	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3482	0.081	ug/L #	82
47) Tetrachloroethene	8.57	164	6329	0.326	ug/L	92
48) 2-Hexanone	8.71	43	26362	1.721	ug/L #	96
49) Dibromochloromethane	8.57	129	6356	0.292	ug/L #	10
59) 1,2,3-Trichloropropane	11.82	75	22600	1.116	ug/L	92

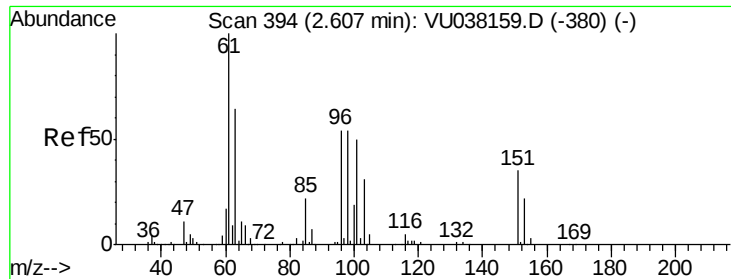
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 15 01:05:40 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.143 ug/L

RT: 2.60 min Scan# 393

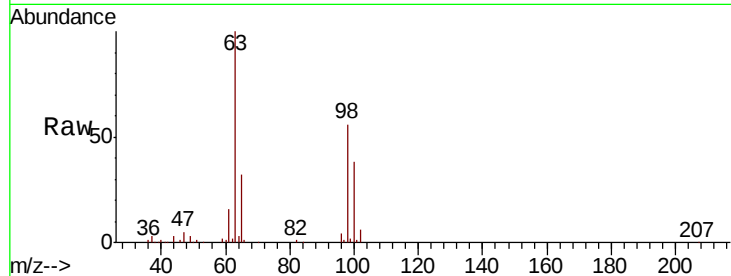
Delta R.T. -0.00 min

Lab File: VU038168.D

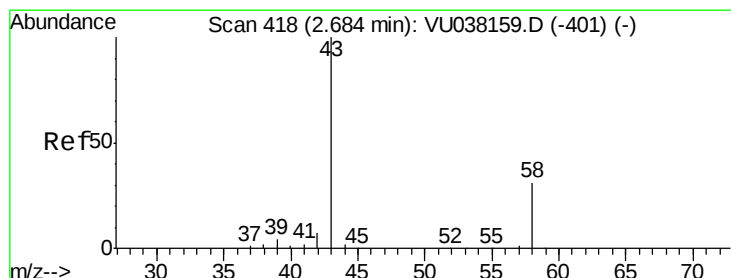
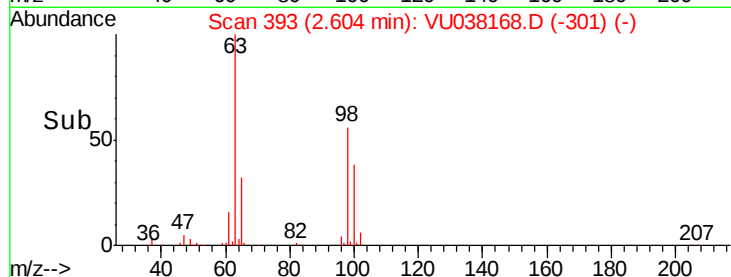
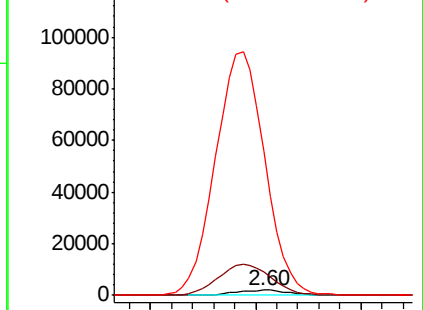
Acq: 14 May 2020 14:46

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 3519
Ion Ratio Lower Upper
96 100
61 434.3 126.2 234.4#
63 2715.1 96.9 179.9#



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



#13

Acetone

Concen: 0.856 ug/L

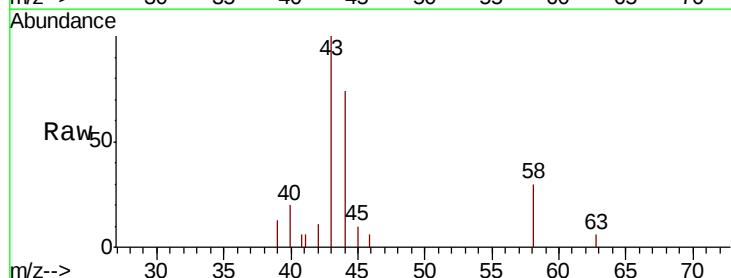
RT: 2.67 min Scan# 413

Delta R.T. -0.02 min

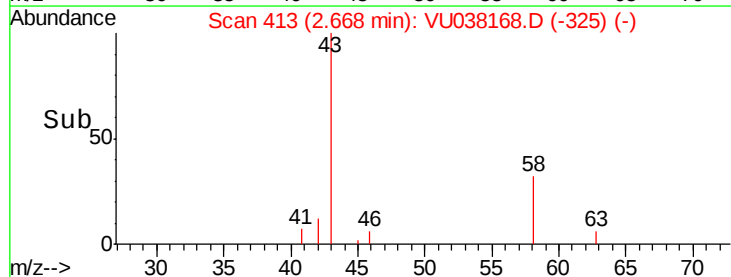
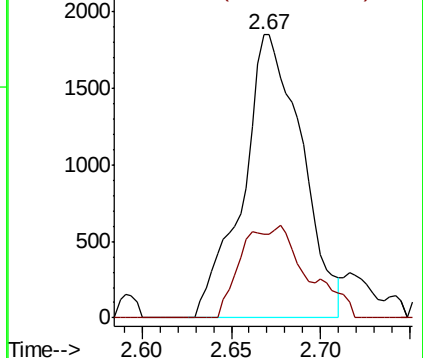
Lab File: VU038168.D

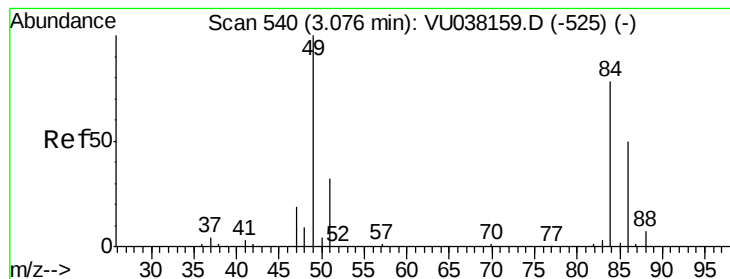
Acq: 14 May 2020 14:46

Tgt Ion: 43 Resp: 4286
Ion Ratio Lower Upper
43 100
58 16.7 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0





#16

Methvlene chloride

Concen: 0.094 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU038168.D

Acq: 14 May 2020 14:46

Instrument :

MSVOA_U

ClientSampled :

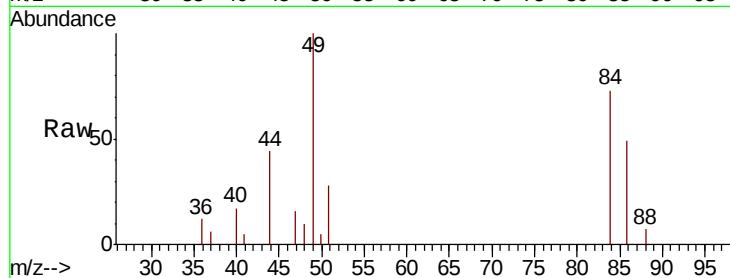
Tot Ion: 84 Resp: 2685

Ion Ratio Lower Upper

84 100

86 66.5 44.9 83.3

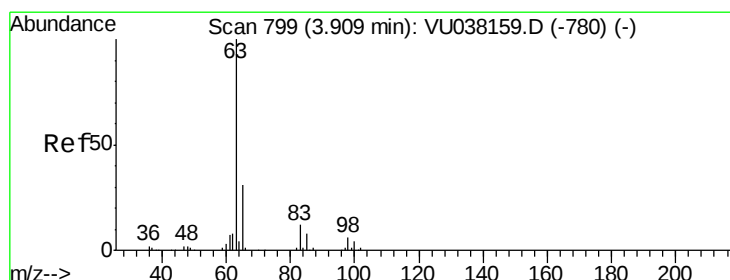
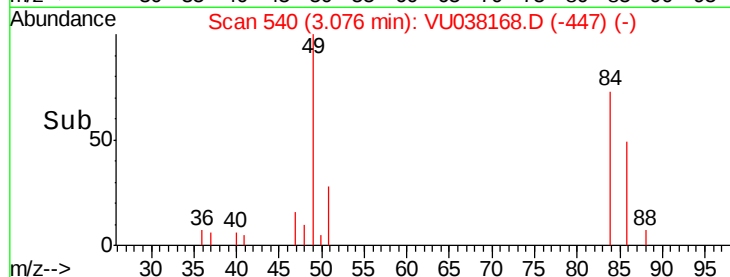
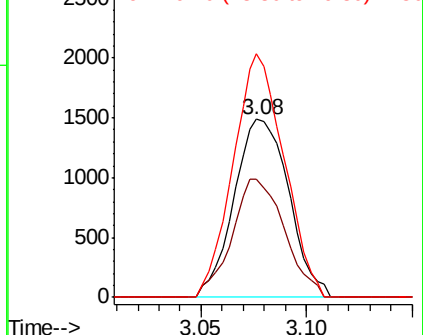
49 136.7 92.0 170.9



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



#19

1,1-Dichloroethane

Concen: 0.255 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU038168.D

Acq: 14 May 2020 14:46

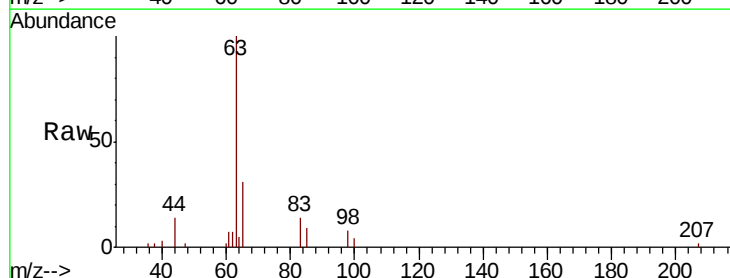
Tgt Ion: 63 Resp: 13374

Ion Ratio Lower Upper

63 100

65 31.5 22.5 41.7

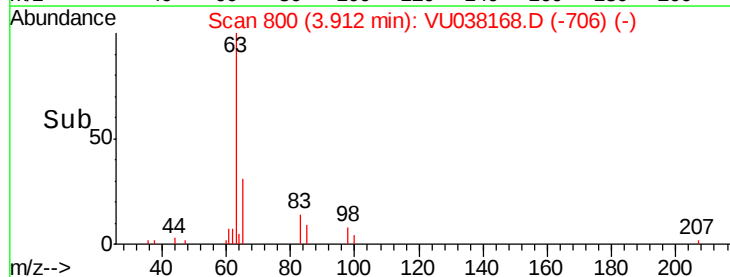
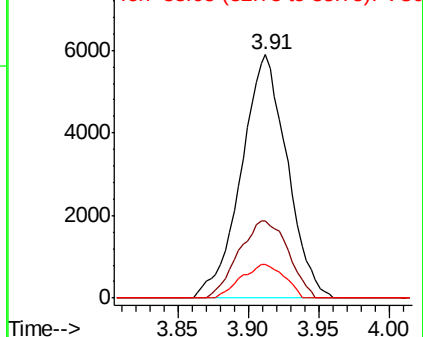
83 13.7 8.9 16.5

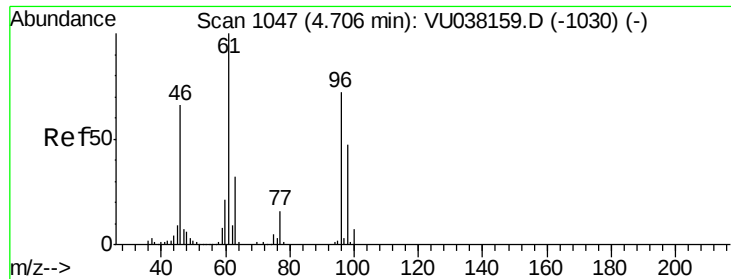


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.181 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038168.D

Acq: 14 May 2020 14:46

Instrument :
MSVOA_U
ClientSampleId :

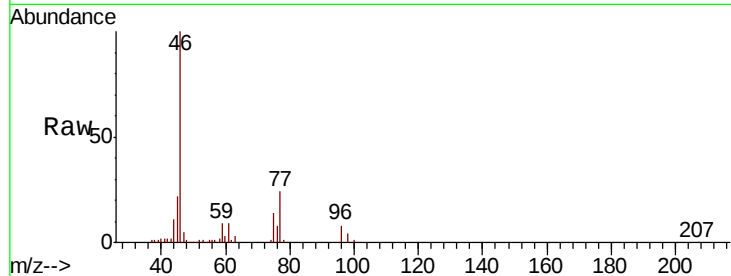
Tot Ion: 96 Resp: 5230

Ion Ratio Lower Upper

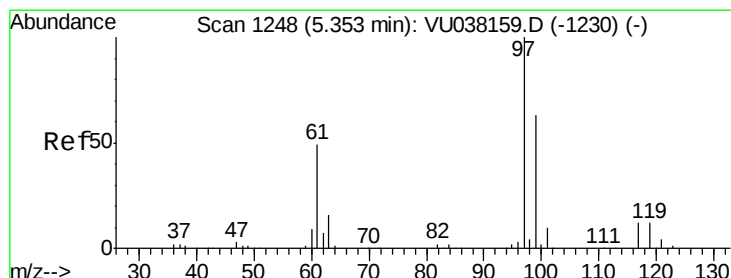
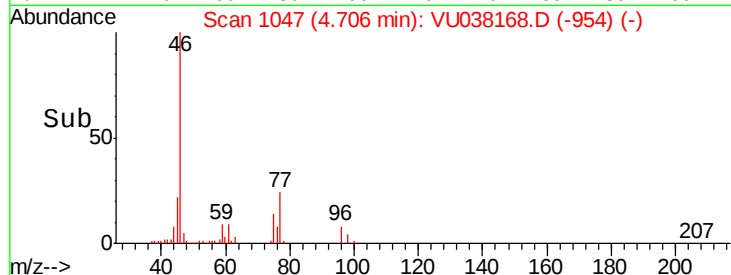
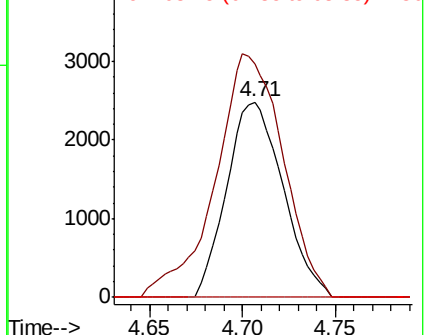
96 100

61 119.2 95.3 176.9

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



#29

1,1,1-Trichloroethane

Concen: 0.135 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VU038168.D

Acq: 14 May 2020 14:46

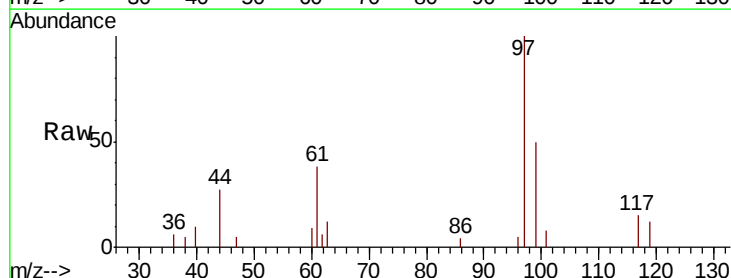
Tgt Ion: 97 Resp: 5354

Ion Ratio Lower Upper

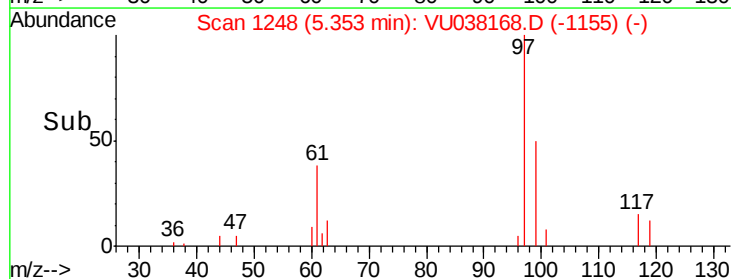
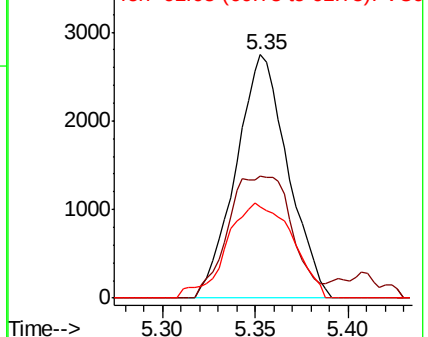
97 100

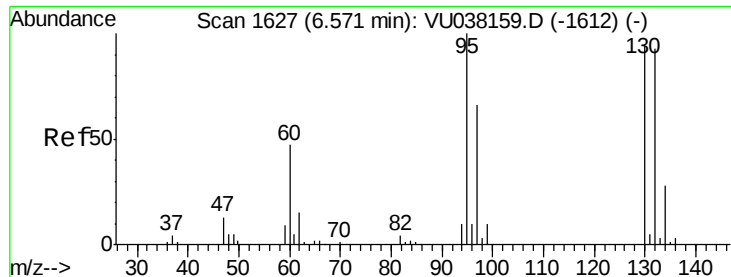
99 62.1 51.0 76.4

61 49.5 38.2 57.4



Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

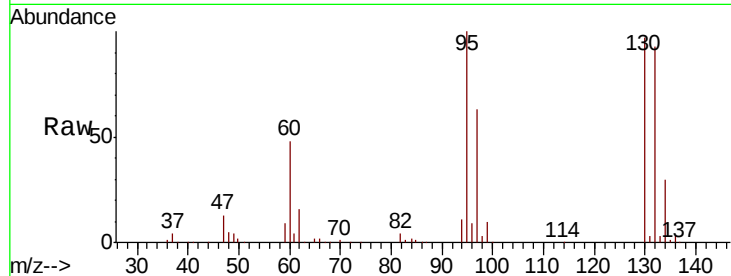




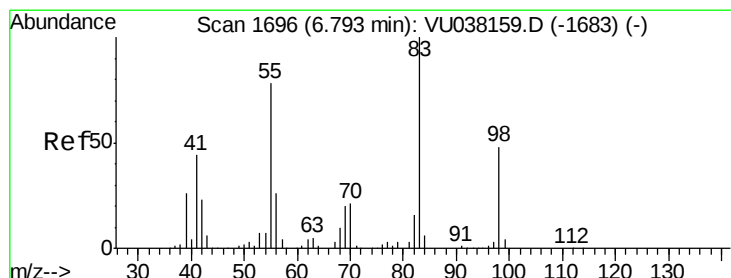
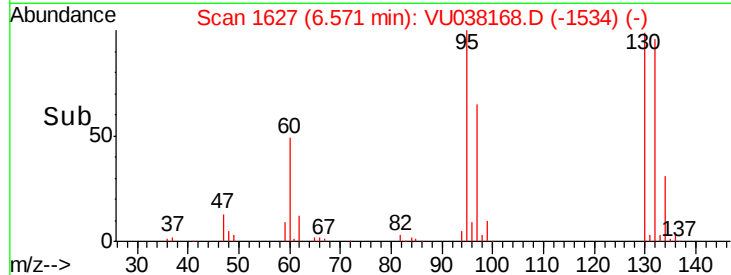
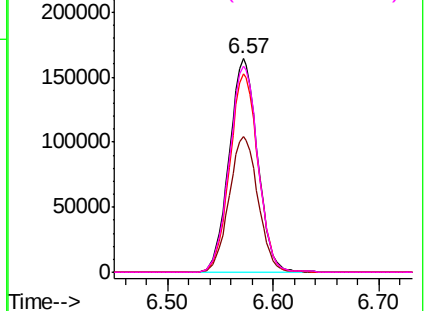
#34
 Trichloroethene
 Concen: 10.995 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038168.D
 Acq: 14 May 2020 14:46

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 305477
 Ion Ratio Lower Upper
 95 100
 97 63.3 44.9 83.3
 132 93.1 63.3 117.5
 130 96.6 65.7 122.1

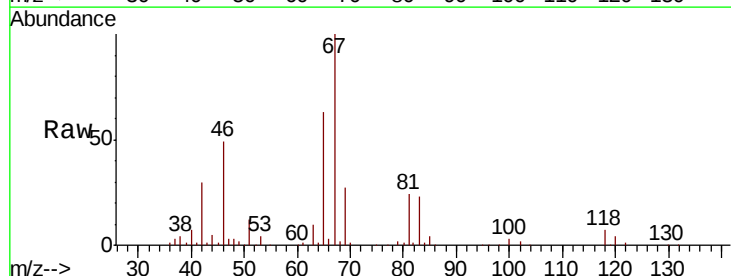


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

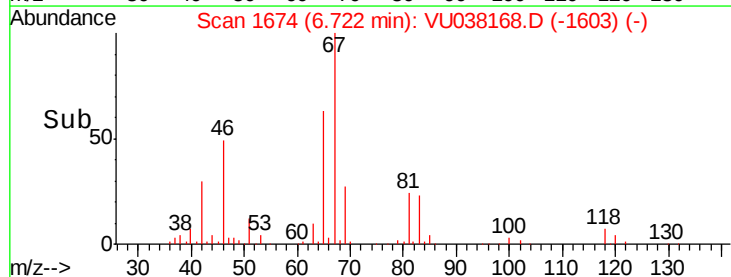
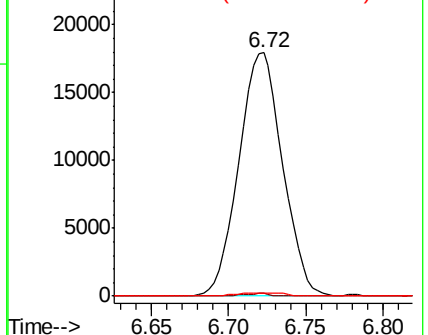


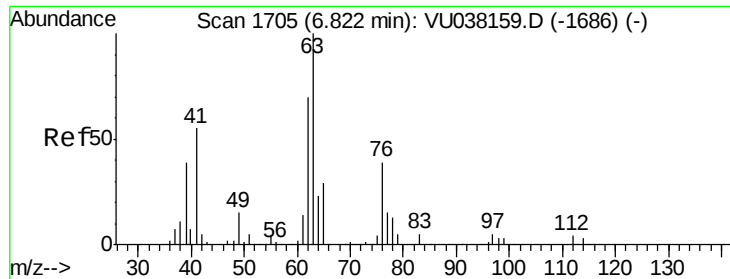
#35
 Methylcyclohexane
 Concen: 0.783 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.07 min
 Lab File: VU038168.D
 Acq: 14 May 2020 14:46

Tgt Ion: 83 Resp: 35240
 Ion Ratio Lower Upper
 83 100
 55 0.6 66.7 100.1#
 98 1.3 39.4 59.2#



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

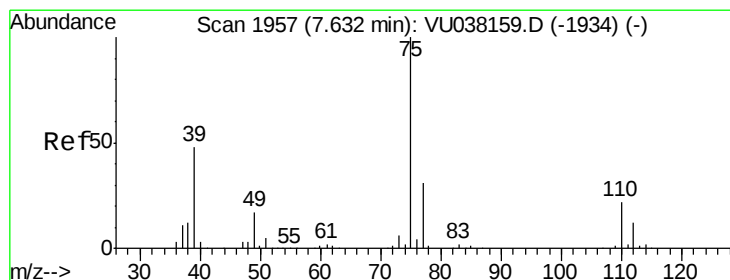
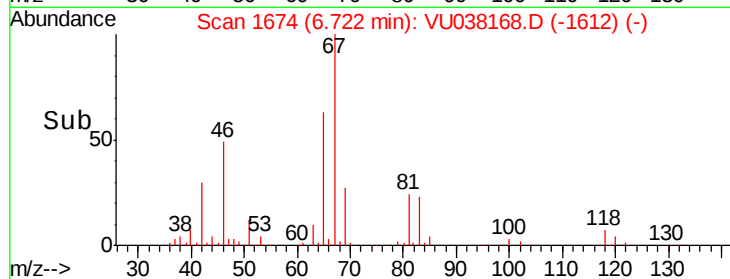
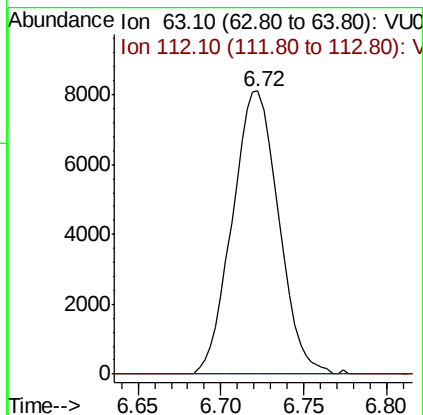
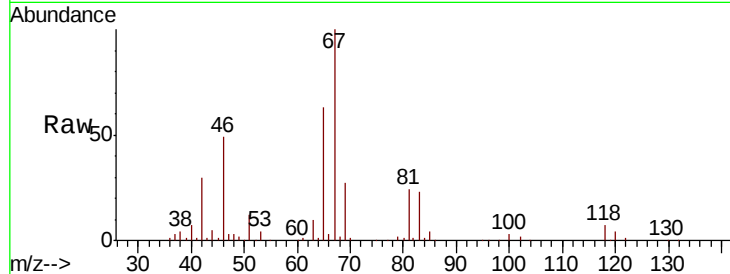




#37
 1,2-Dichloropropane
 Concen: 0.524 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU038168.D
 Acq: 14 May 2020 14:46

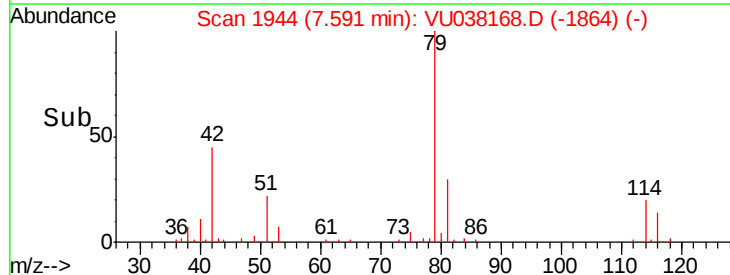
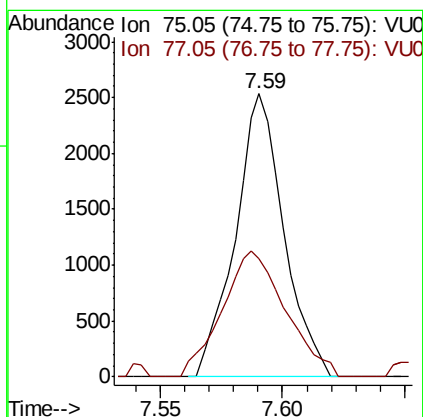
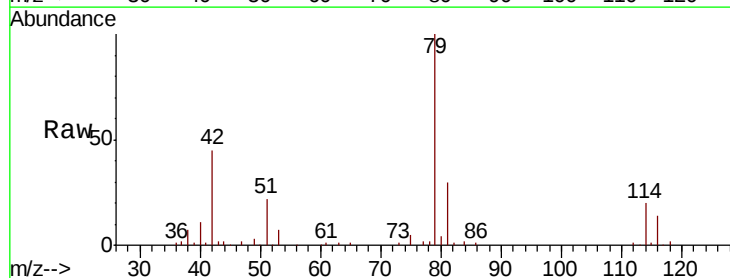
Instrument :
 MSVOA_U
 ClientSampled :

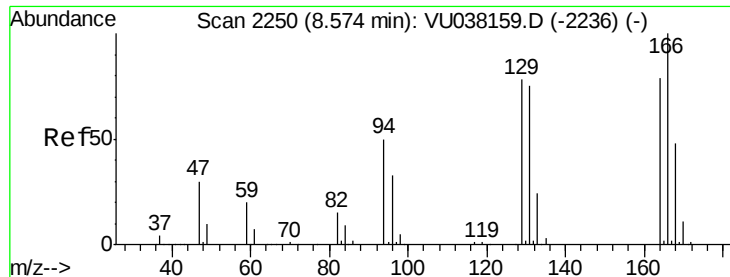
Tot Ion: 63 Resp: 15804
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.081 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038168.D
 Acq: 14 May 2020 14:46

Tgt Ion: 75 Resp: 3482
 Ion Ratio Lower Upper
 75 100
 77 42.0 22.4 41.6#





#47

Tetrachloroethene

Concen: 0.326 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.00 min

Lab File: VU038168.D

Acq: 14 May 2020 14:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 6329

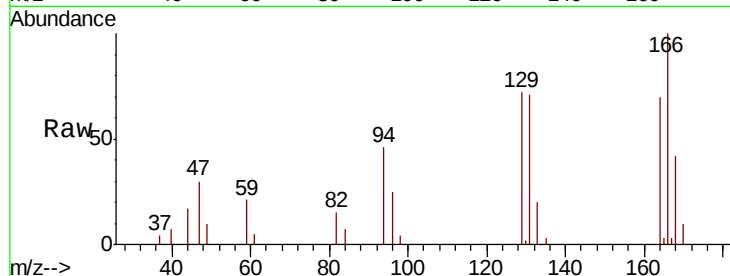
Ion Ratio Lower Upper

164 100

129 102.8 68.8 127.8

131 100.2 66.8 124.2

166 142.0 88.9 165.1

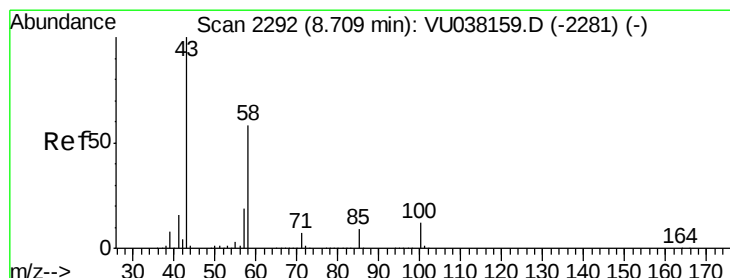
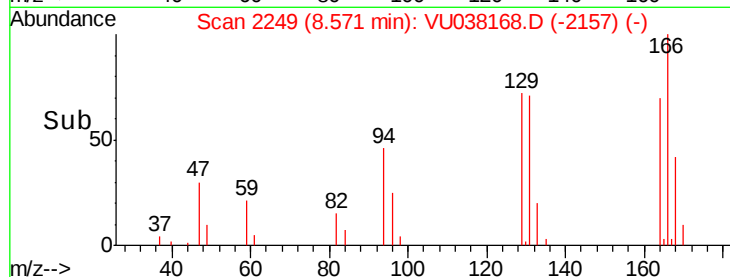
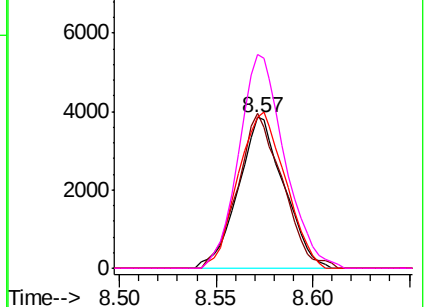


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.721 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VU038168.D

Acq: 14 May 2020 14:46

Tgt Ion: 43 Resp: 26362

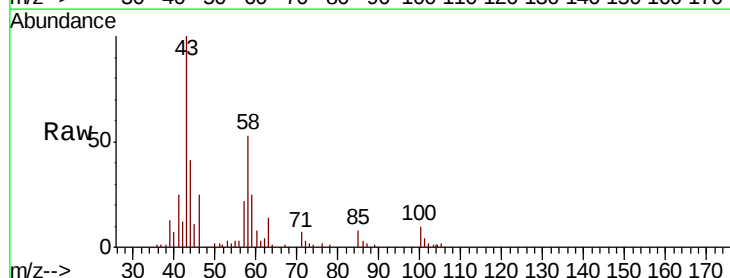
Ion Ratio Lower Upper

43 100

58 54.9 45.2 67.8

57 23.9 15.5 23.3#

100 9.6 9.5 14.3

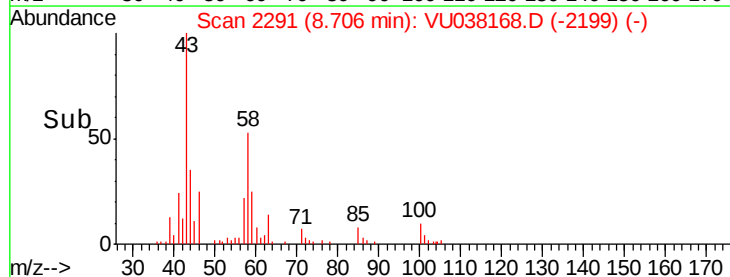
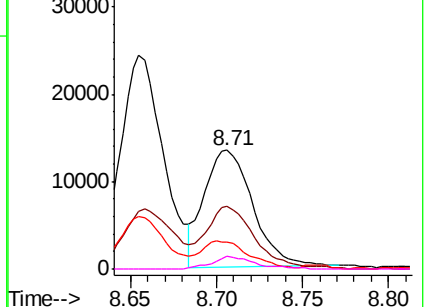


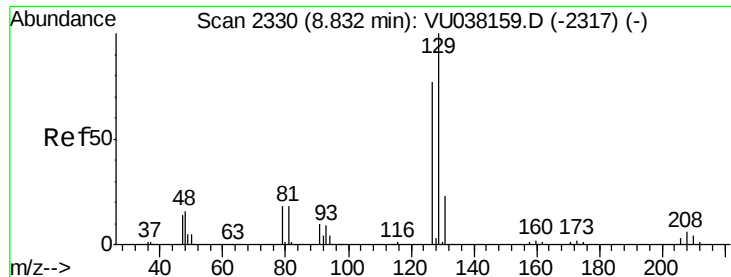
Abundance Ion 43.05 (42.75 to 43.75): VU0

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

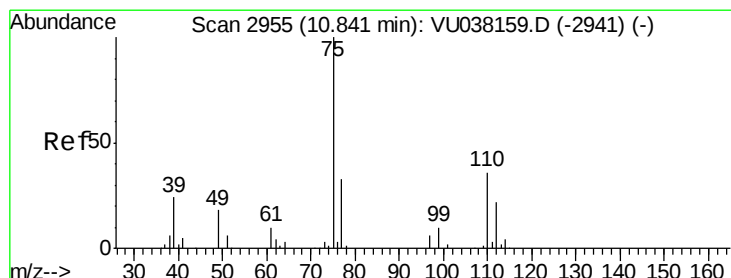
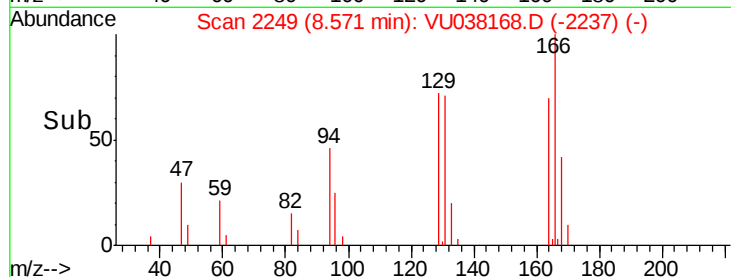
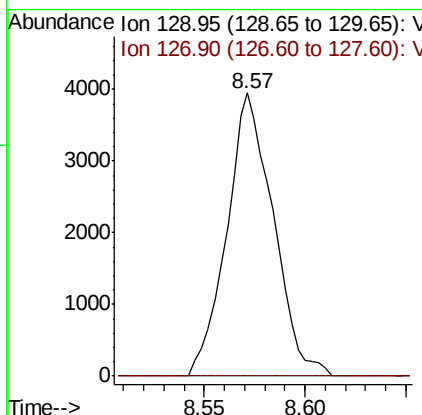
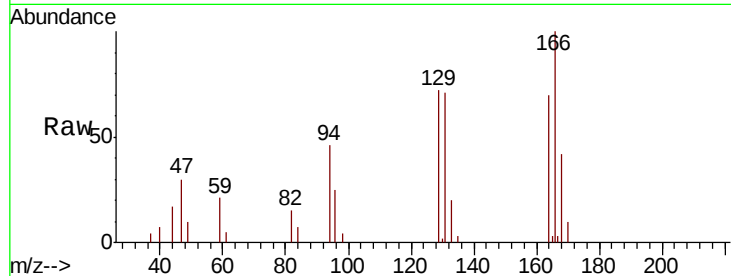




#49
 Dibromochloromethane
 Concen: 0.292 ug/L
 RT: 8.57 min Scan# 2249
 Delta R.T. -0.26 min
 Lab File: VU038168.D
 Acq: 14 May 2020 14:46

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:129 Resp: 6356
 Ion Ratio Lower Upper
 129 100
 127 0.0 55.6 103.4#



#59
 1,2,3-Trichloropropane
 Concen: 1.116 ug/L
 RT: 11.82 min Scan# 3260
 Delta R.T. 0.98 min
 Lab File: VU038168.D
 Acq: 14 May 2020 14:46

Tgt Ion: 75 Resp: 22600
 Ion Ratio Lower Upper
 75 100
 77 36.0 25.4 38.0

