

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040320\
 Data File : VU037573.D
 Acq On : 03 Apr 2020 17:54
 Operator : JC/MD
 Sample : L2158-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0EZ0

Quant Time: Apr 04 05:25:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 04 05:18:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	171181	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	159688	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	76743	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	62105	44.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.34%
7) Chloroethane-d5	1.93	69	48761	43.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.30%
11) 1,1-Dichloroethene-d2	2.59	63	86430	36.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.96%
21) 2-Butanone-d5	4.66	46	100091	95.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.79%
24) Chloroform-d	5.10	84	104555	44.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.28%
26) 1,2-Dichloroethane-d4	5.74	65	70061	45.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.10%
32) Benzene-d6	5.76	84	215861	46.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.30%
36) 1,2-Dichloropropane-d6	6.72	67	73167	46.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.96%
41) Toluene-d8	7.92	98	198599	46.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.12%
43) trans-1,3-Dichloropropene-	8.20	79	38080	45.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.06%
47) 2-Hexanone-d5	8.65	63	76838	93.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.11%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	103212	46.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.70%
64) 1,2-Dichlorobenzene-d4	12.21	152	72281	46.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.32%

Target Compounds

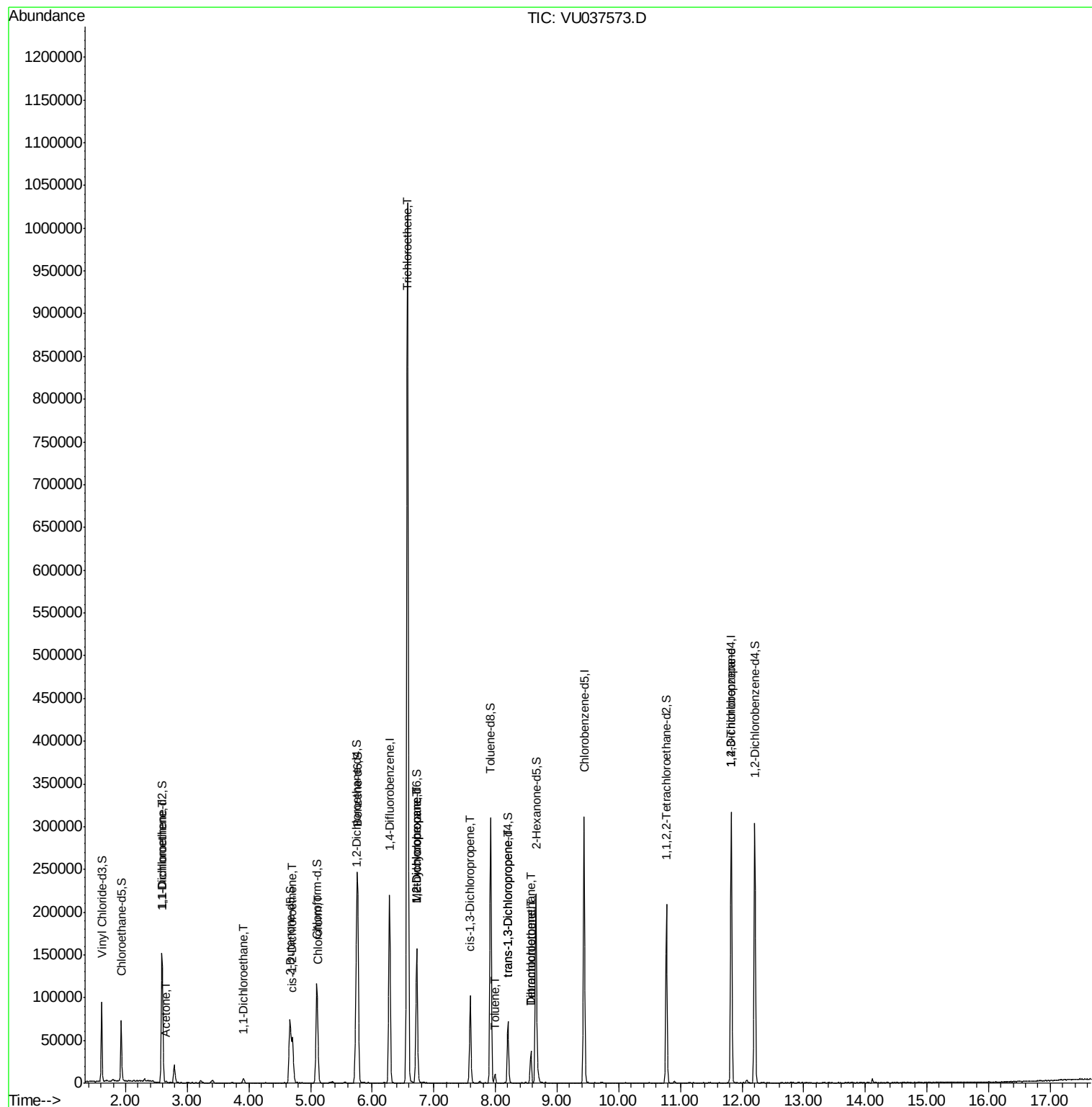
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	8851	9.666	ug/L #	1
13) Acetone	2.66	43	1896	3.139	ug/L	87
19) 1,1-Dichloroethane	3.91	63	5683	2.942	ug/L	93
20) cis-1,2-Dichloroethene	4.71	96	23642	20.821	ug/L	96
25) Chloroform	5.12	83	3068	1.523	ug/L	84
34) Trichloroethene	6.57	95	349740	319.667	ug/L	99
35) Methylcyclohexane	6.72	83	16592	9.815	ug/L #	20
37) 1,2-Dichloropropane	6.72	63	8026	6.732	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	2603	1.398	ug/L #	56
42) Toluene	7.99	91	7117	1.572	ug/L	100
44) trans-1,3-Dichloropropene	8.20	75	2145	1.170	ug/L	84
46) Tetrachloroethene	8.57	164	8174	11.127	ug/L	91
49) Dibromochloromethane	8.57	129	8093	6.666	ug/L #	10
59) 1,2,3-Trichloropropane	11.83	75	11138	7.267	ug/L #	88

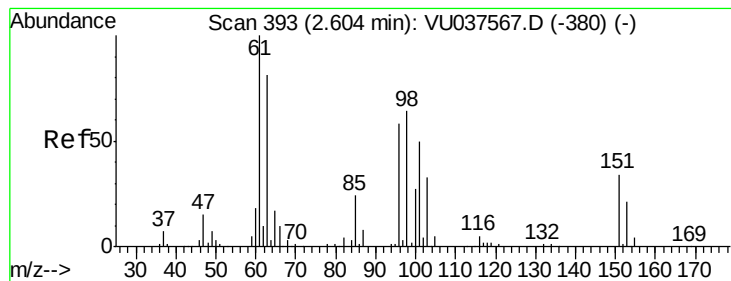
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU040320\
Data File : VU037573.D
Acq On : 03 Apr 2020 17:54
Operator : JC/MD
Sample : L2158-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0EZ0

Quant Time: Apr 04 05:25:38 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040320WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 04 05:18:00 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 9.666 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037573.D

Acq: 03 Apr 2020 17:54

Instrument :

MSVOA_U

ClientSampleId :

C0EZ0

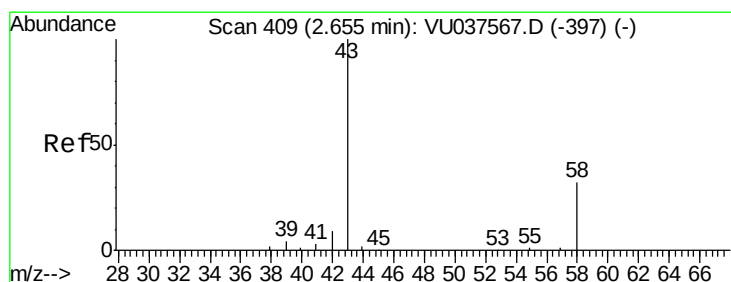
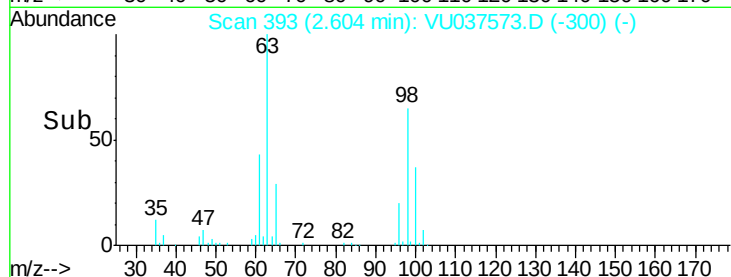
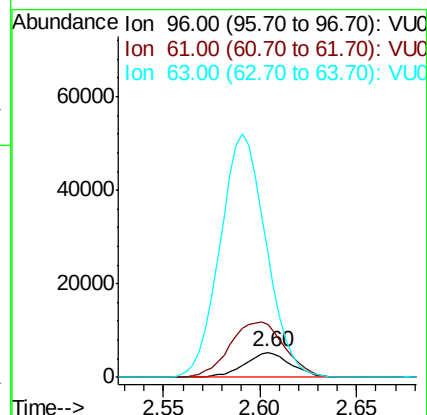
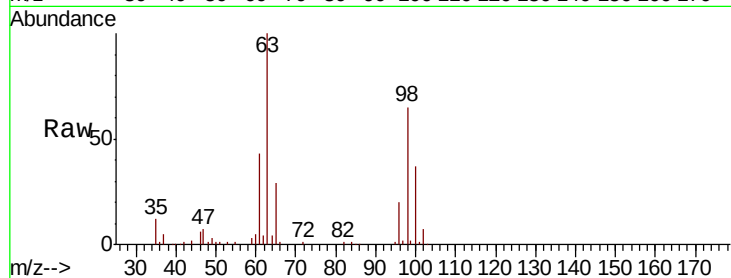
Tot Ion: 96 Resp: 8851

Ion Ratio Lower Upper

96 100

61 210.4 117.2 217.8

63 494.2 90.9 168.9#



#13

Acetone

Concen: 3.139 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037573.D

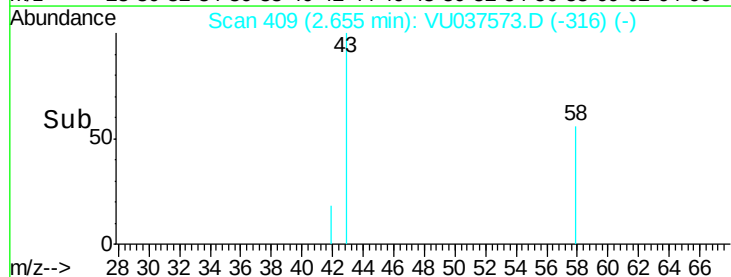
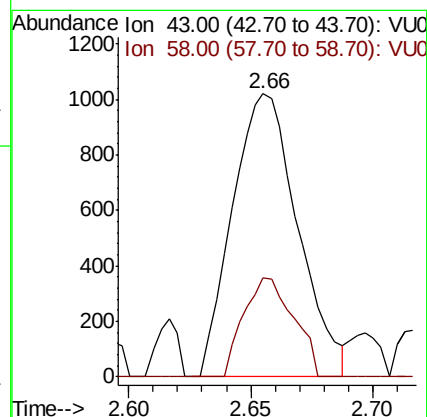
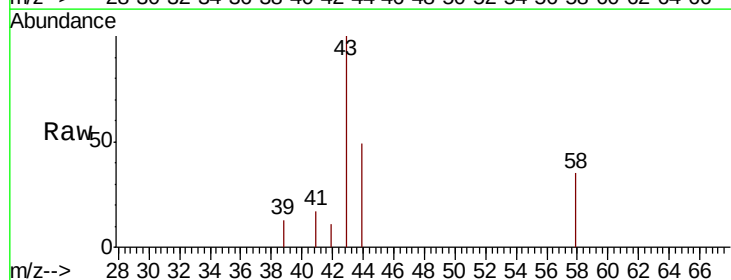
Acq: 03 Apr 2020 17:54

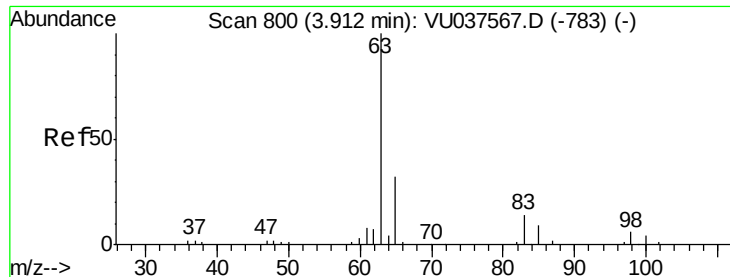
Tgt Ion: 43 Resp: 1896

Ion Ratio Lower Upper

43 100

58 26.7 0.0 68.8

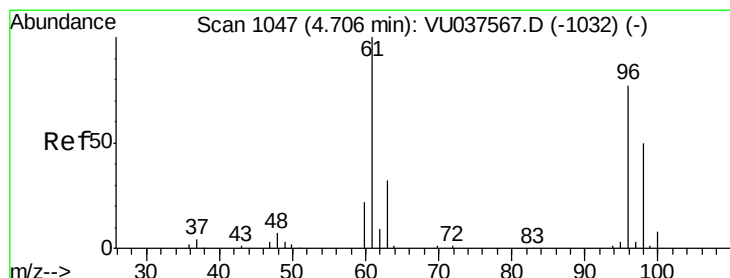
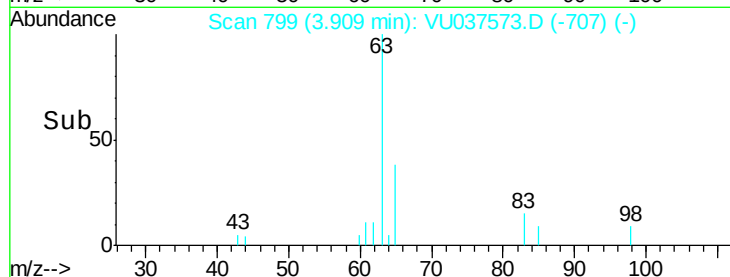
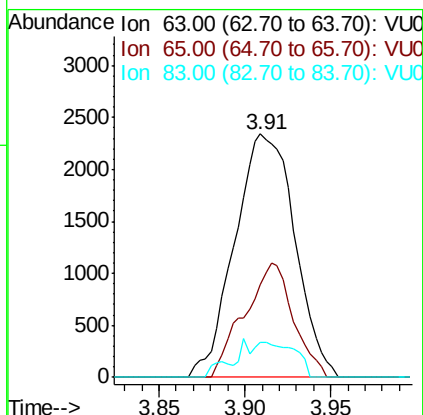
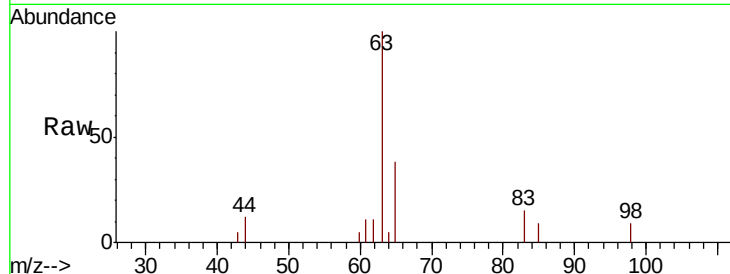




#19
 1,1-Dichloroethane
 Concen: 2.942 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU037573.D
 Acq: 03 Apr 2020 17:54

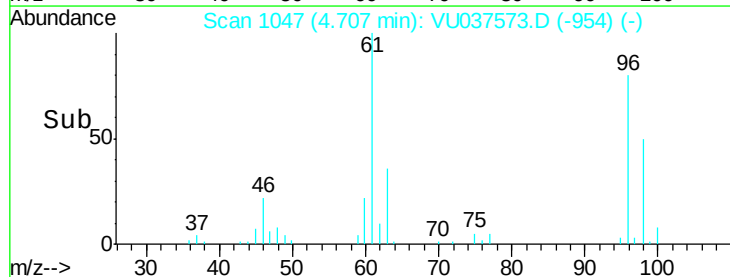
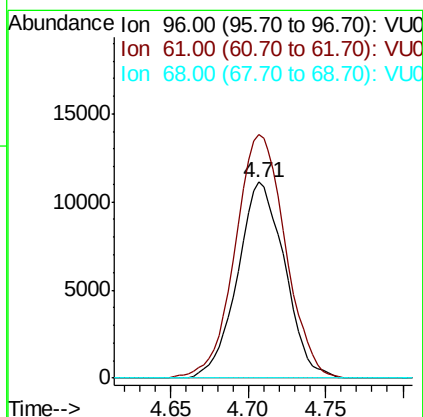
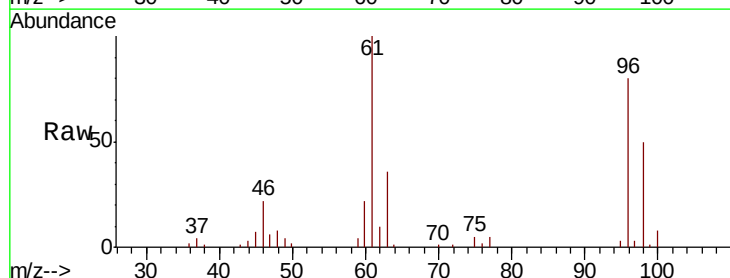
Instrument :
 MSVOA_U
 ClientSampled :
 C0EZ0

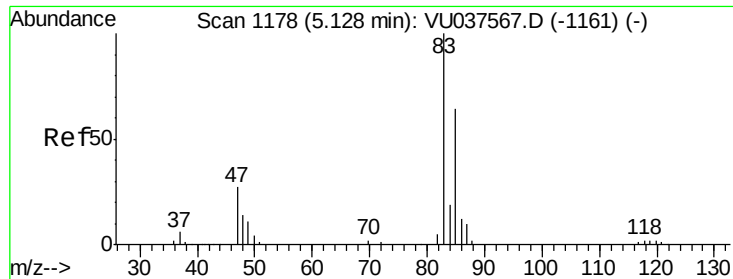
Tot Ion: 63 Resp: 5683
 Ion Ratio Lower Upper
 63 100
 65 38.0 23.2 43.2
 83 14.6 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 20.821 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU037573.D
 Acq: 03 Apr 2020 17:54

Tgt Ion: 96 Resp: 23642
 Ion Ratio Lower Upper
 96 100
 61 124.4 90.2 167.6
 68 0.0 0.0 0.0

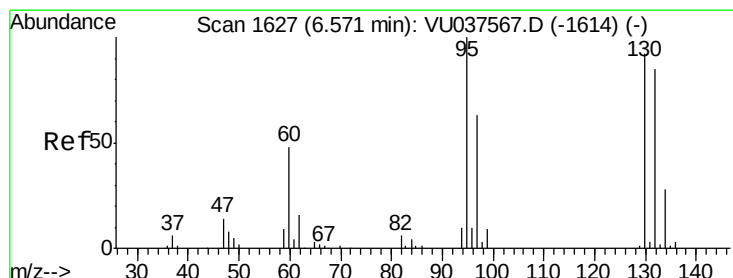
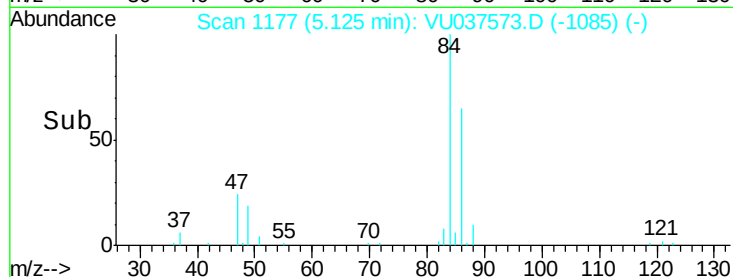
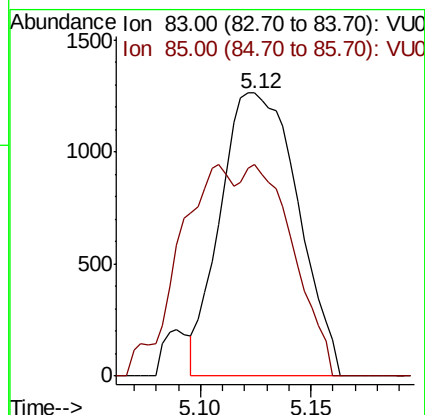
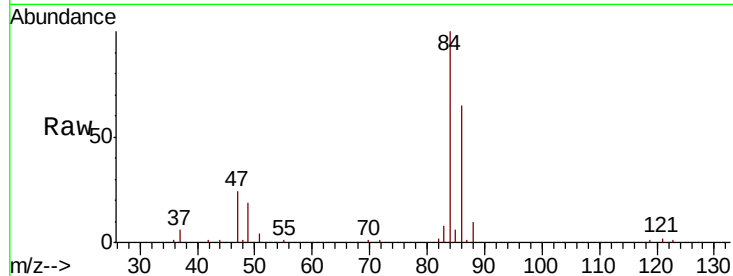




#25
Chloroform
Concen: 1.523 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU037573.D
Acq: 03 Apr 2020 17:54

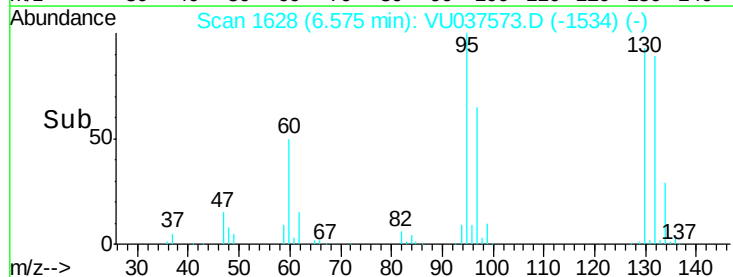
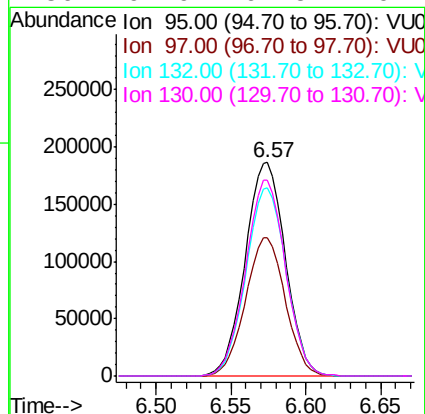
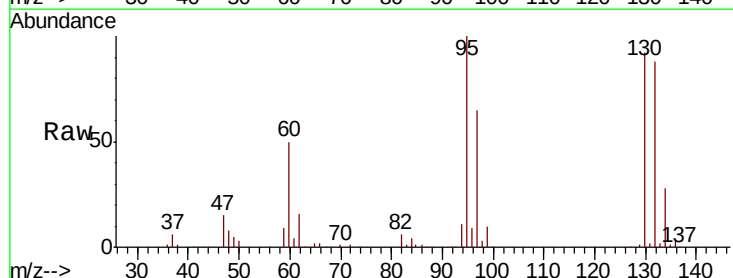
Instrument :
MSVOA_U
ClientSampled :
C0EZ0

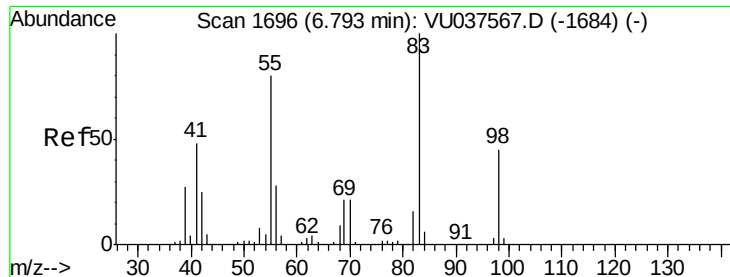
Tot Ion: 83 Resp: 3068
Ion Ratio Lower Upper
83 100
85 74.6 43.7 81.1



#34
Trichloroethene
Concen: 319.667 ug/L
RT: 6.57 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VU037573.D
Acq: 03 Apr 2020 17:54

Tgt Ion: 95 Resp: 349740
Ion Ratio Lower Upper
95 100
97 64.8 45.2 84.0
132 87.9 63.7 118.3
130 91.9 64.5 119.7

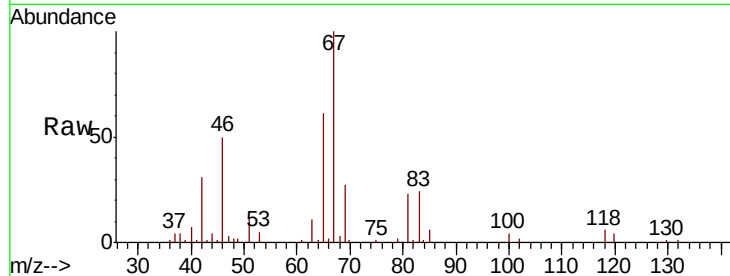




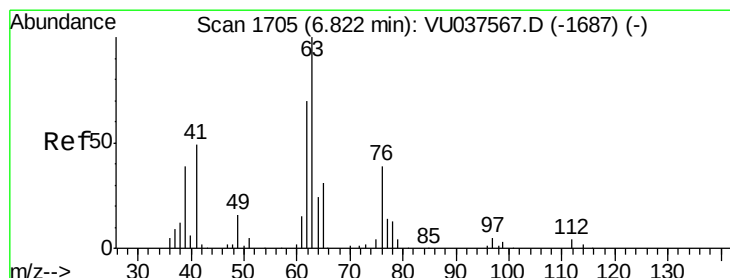
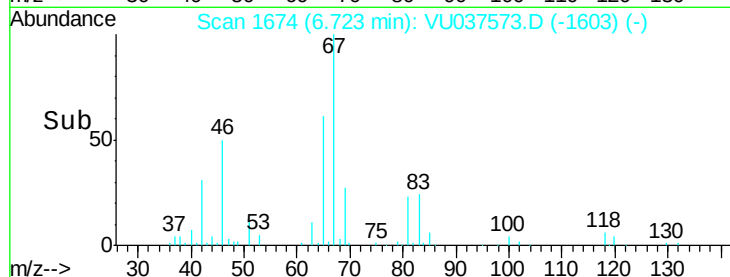
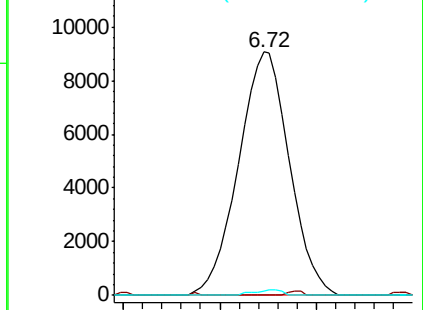
#35
Methylvlcyclohexane
Concen: 9.815 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU037573.D
Acq: 03 Apr 2020 17:54

Instrument :
MSVOA_U
ClientSampleId :
C0EZ0

Tot Ion: 83 Resp: 16592
Ion Ratio Lower Upper
83 100
55 0.5 61.1 91.7#
98 0.8 35.3 52.9#

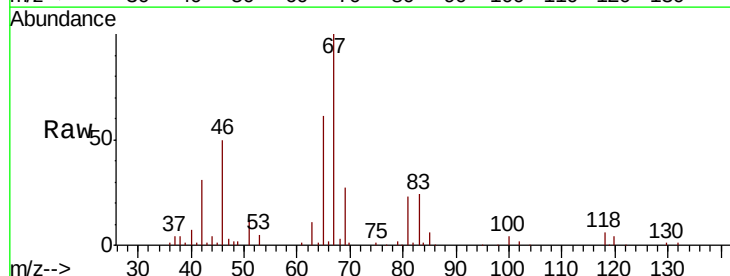


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

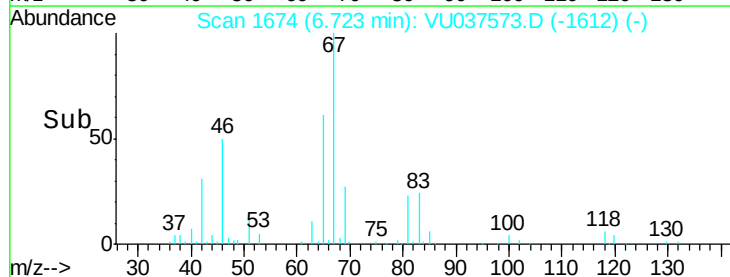
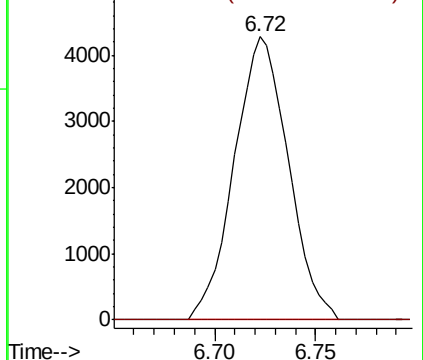


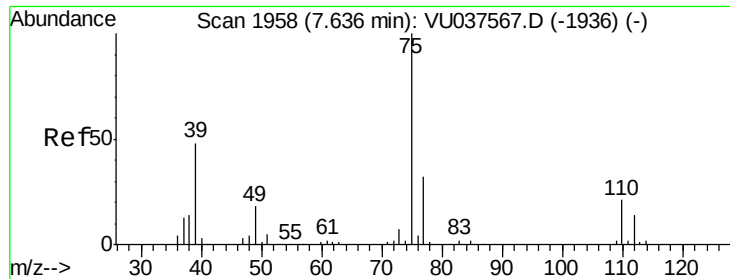
#37
1,2-Dichloropropane
Concen: 6.732 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU037573.D
Acq: 03 Apr 2020 17:54

Tgt Ion: 63 Resp: 8026
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V





#39

cis-1,3-Dichloropropene

Concen: 1.398 ug/L

RT: 7.59 min Scan# 1945

Delta R.T. -0.04 min

Lab File: VU037573.D

Acq: 03 Apr 2020 17:54

Instrument :

MSVOA_U

ClientSampleId :

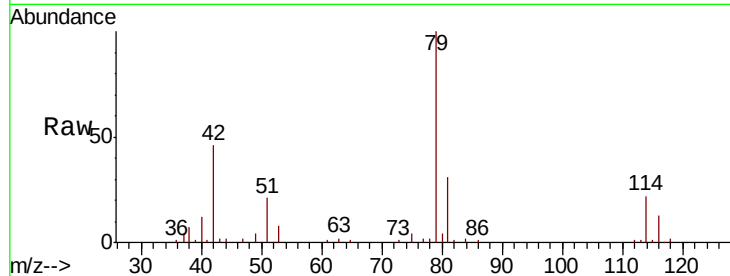
C0EZ0

Tot Ion: 75 Resp: 2603

Ion Ratio Lower Upper

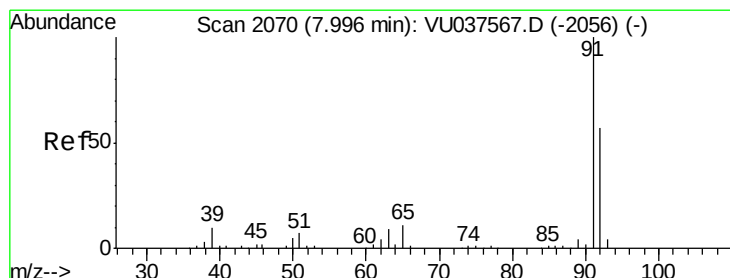
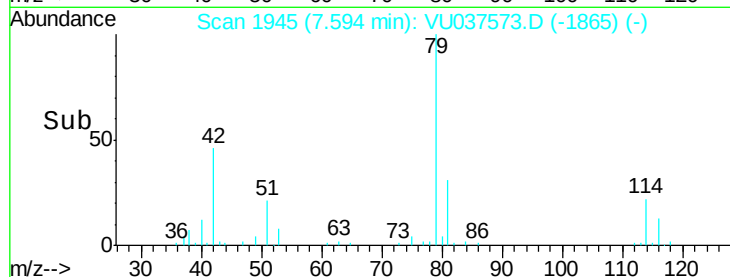
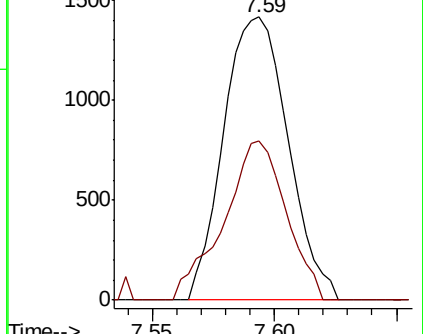
75 100

77 56.5 22.5 41.7#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#42

Toluene

Concen: 1.572 ug/L

RT: 7.99 min Scan# 2068

Delta R.T. -0.01 min

Lab File: VU037573.D

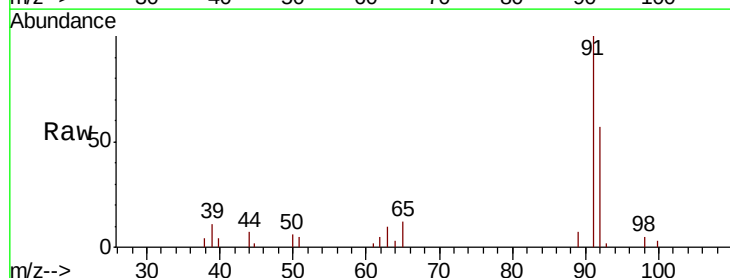
Acq: 03 Apr 2020 17:54

Tgt Ion: 91 Resp: 7117

Ion Ratio Lower Upper

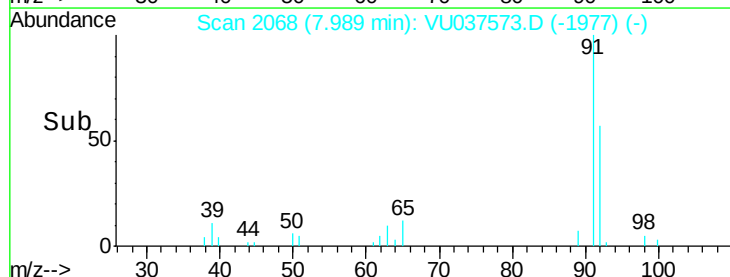
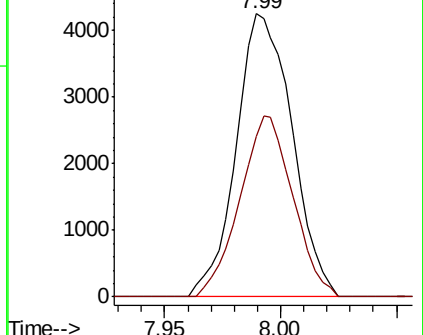
91 100

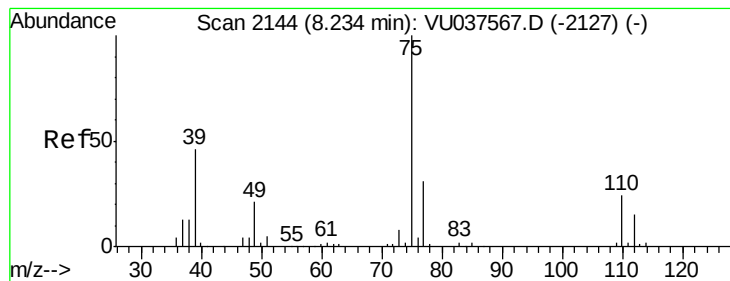
92 56.8 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 1.170 ug/L

RT: 8.20 min Scan# 2134

Delta R.T. -0.03 min

Lab File: VU037573.D

Acq: 03 Apr 2020 17:54

Instrument :

MSVOA_U

ClientSampleId :

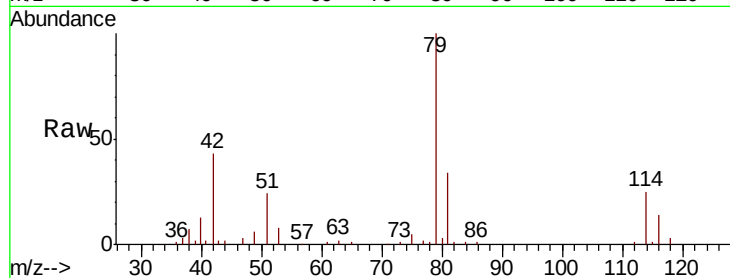
C0EZ0

Tot Ion: 75 Resp: 2145

Ion Ratio Lower Upper

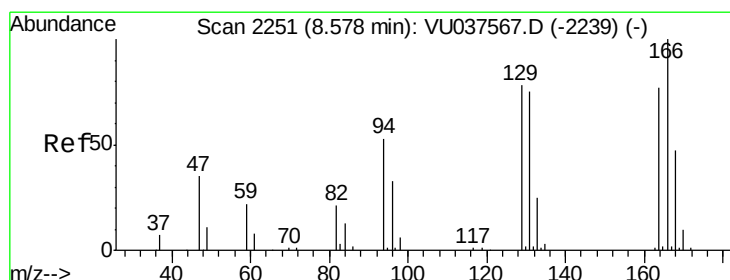
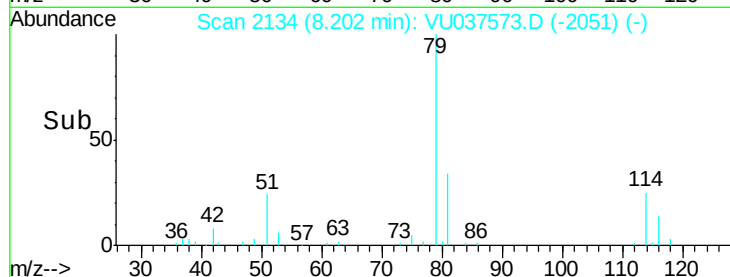
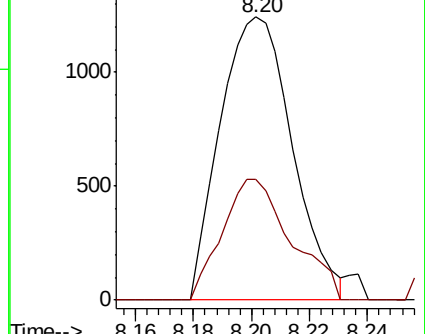
75 100

77 42.5 23.4 43.6



Abundance Ion 75.00 (74.70 to 75.70): VU037573.D (-2051) (-)

Ion 77.00 (76.70 to 77.70): VU037573.D (-2051) (-)



#46

Tetrachloroethene

Concen: 11.127 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.01 min

Lab File: VU037573.D

Acq: 03 Apr 2020 17:54

Tgt Ion: 164 Resp: 8174

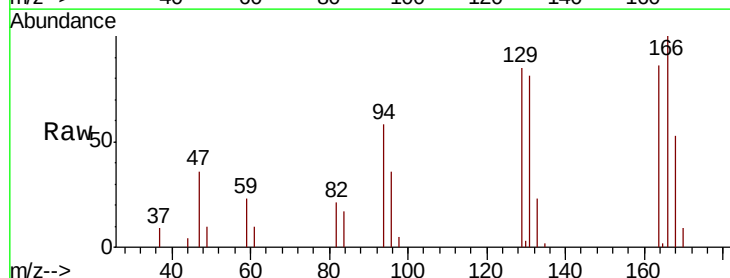
Ion Ratio Lower Upper

164 100

129 99.5 76.5 142.1

131 94.1 71.7 133.1

166 116.6 88.8 165.0

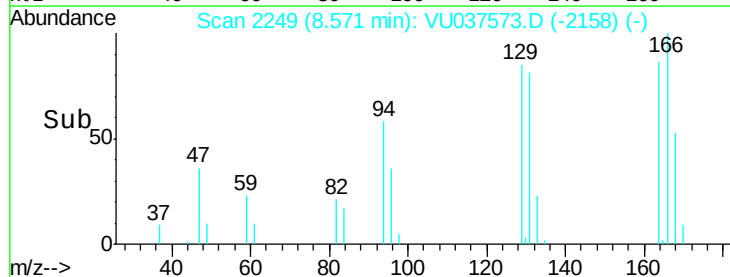
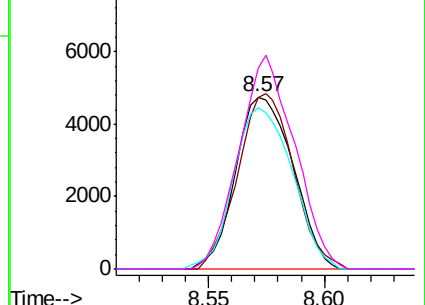


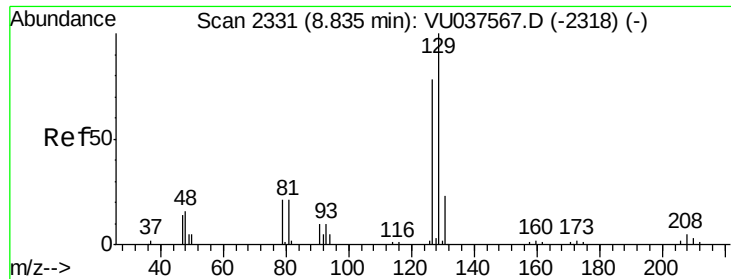
Abundance Ion 164.00 (163.70 to 164.70): VU037573.D (-2158) (-)

Ion 129.00 (128.70 to 129.70): VU037573.D (-2158) (-)

Ion 131.00 (130.70 to 131.70): VU037573.D (-2158) (-)

Ion 166.00 (165.70 to 166.70): VU037573.D (-2158) (-)

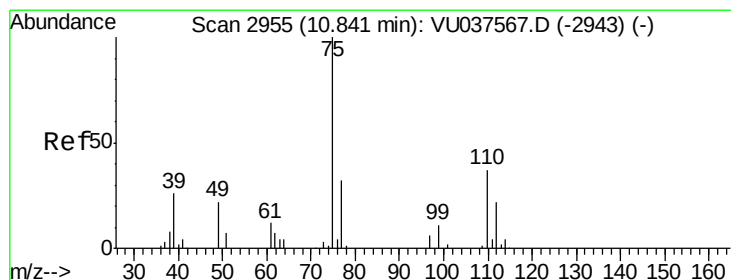
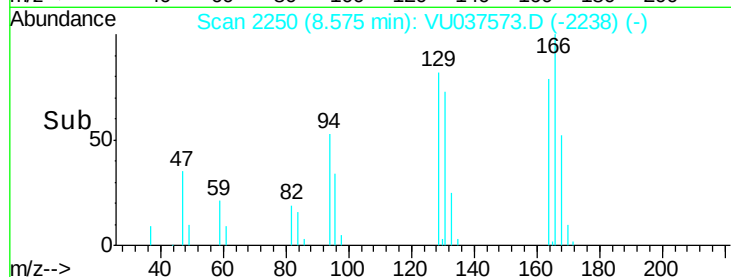
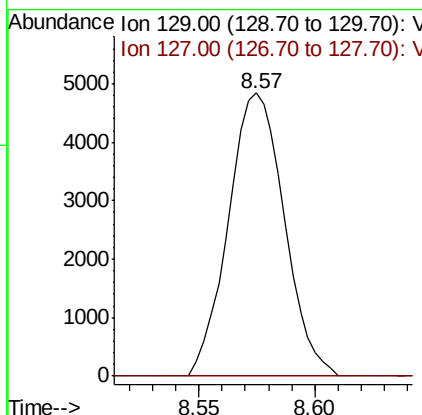
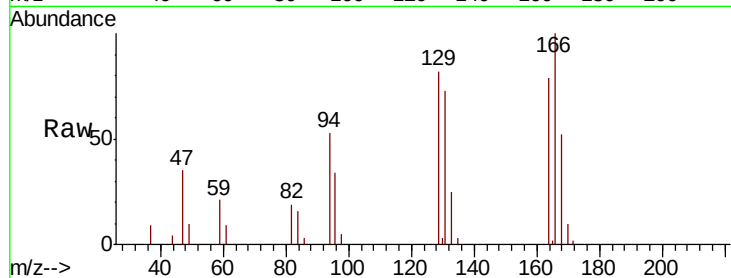




#49
Dibromochloromethane
Concen: 6.666 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.26 min
Lab File: VU037573.D
Acq: 03 Apr 2020 17:54

Instrument :
MSVOA_U
ClientSampleId :
C0EZ0

Tot Ion:129 Resp: 8093
Ion Ratio Lower Upper
129 100
127 0.0 55.0 102.2#



#59
1,2,3-Trichloropropane
Concen: 7.267 ug/L
RT: 11.83 min Scan# 3261
Delta R.T. 0.98 min
Lab File: VU037573.D
Acq: 03 Apr 2020 17:54

Tgt Ion: 75 Resp: 11138
Ion Ratio Lower Upper
75 100
77 38.4 25.5 38.3#

