

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040620\
 Data File : VU037586.D
 Acq On : 06 Apr 2020 13:37
 Operator : JC/MD
 Sample : L2158-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0EZ5

Quant Time: Apr 07 00:50:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 07 00:48:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	170682	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	156911	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	72855	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	56074	40.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.90%
7) Chloroethane-d5	1.93	69	48181	43.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.52%
11) 1,1-Dichloroethene-d2	2.59	63	80269	34.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.90%
21) 2-Butanone-d5	4.66	46	100641	96.60	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.60%
24) Chloroform-d	5.10	84	104272	44.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.30%
26) 1,2-Dichloroethane-d4	5.74	65	69974	45.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.26%
32) Benzene-d6	5.76	84	212785	46.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.72	67	72142	47.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.28%
41) Toluene-d8	7.92	98	194659	45.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.88%
43) trans-1,3-Dichloropropene-	8.20	79	36463	43.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.76%
47) 2-Hexanone-d5	8.65	63	79357	97.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.87%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	103824	47.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.90%
64) 1,2-Dichlorobenzene-d4	12.20	152	69783	46.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.88%

Target Compounds

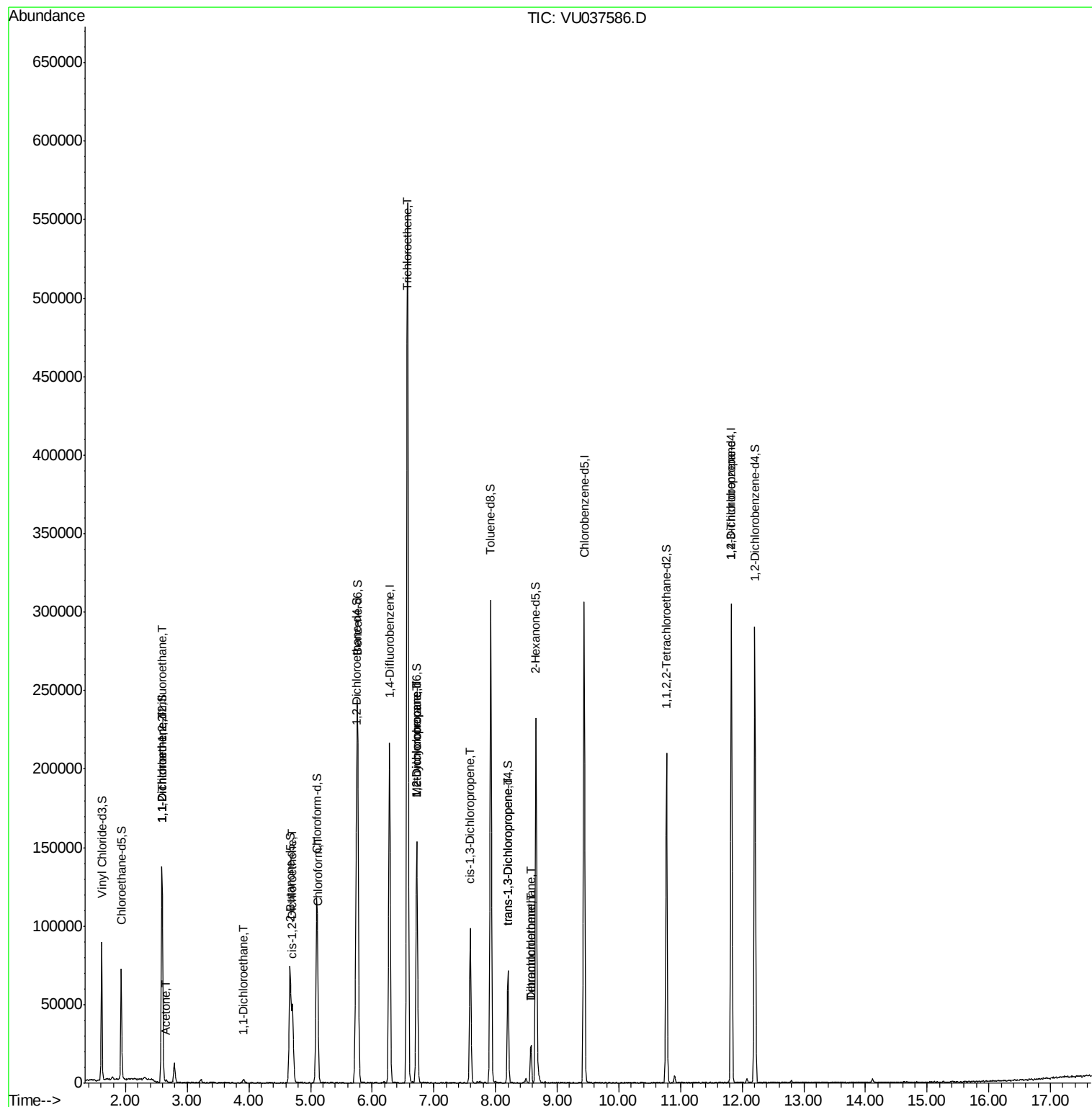
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	1000	1.063	ug/L #	31
12) 1,1-Dichloroethene	2.60	96	2003	2.194	ug/L #	1
13) Acetone	2.65	43	1976	3.281	ug/L	99
19) 1,1-Dichloroethane	3.92	63	2928	1.520	ug/L	94
20) cis-1,2-Dichloroethene	4.71	96	22446	19.826	ug/L	99
25) Chloroform	5.12	83	2240	1.115	ug/L	84
34) Trichloroethene	6.57	95	189739	176.493	ug/L	98
35) Methylcyclohexane	6.72	83	16282	9.802	ug/L #	19
37) 1,2-Dichloropropane	6.72	63	7961	6.796	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	2509	1.371	ug/L #	68
44) trans-1,3-Dichloropropene	8.20	75	1919	1.065	ug/L #	75
46) Tetrachloroethene	8.57	164	4886	6.769	ug/L	91
49) Dibromochloromethane	8.57	129	5234	4.387	ug/L #	10
59) 1,2,3-Trichloropropane	11.83	75	10585	7.029	ug/L	97

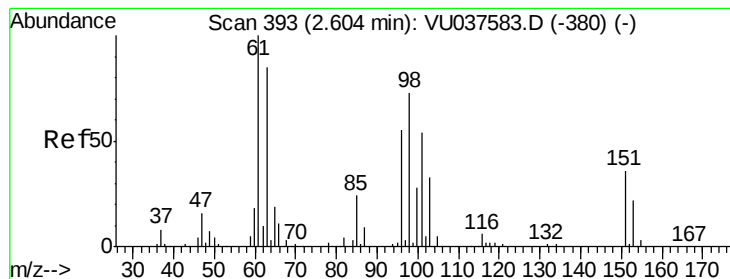
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 1.063 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.02 min

Lab File: VU037586.D

Acq: 06 Apr 2020 13:37

Instrument :

MSVOA_U

ClientSampleId :

C0EZ5

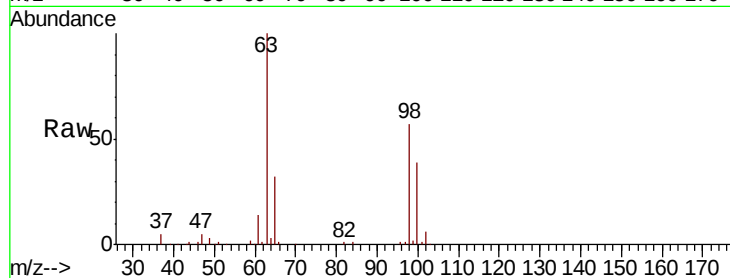
Tot Ion:101 Resp: 1000

Ion Ratio Lower Upper

101 100

85 6.6 35.4 53.2#

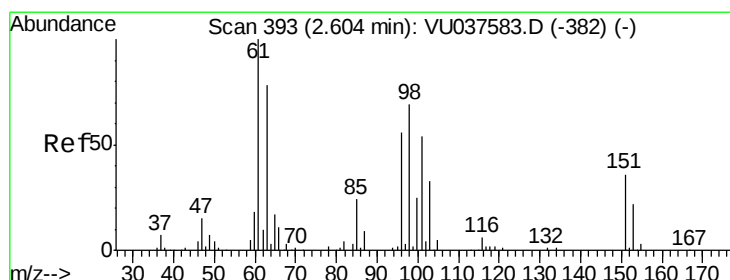
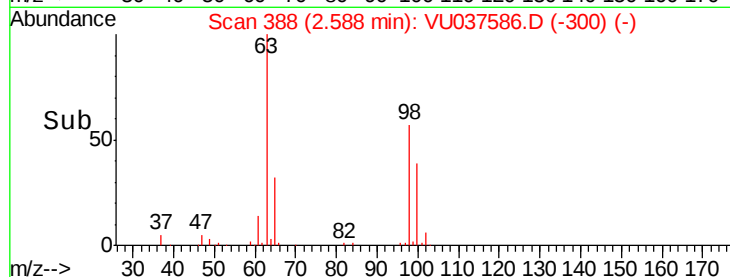
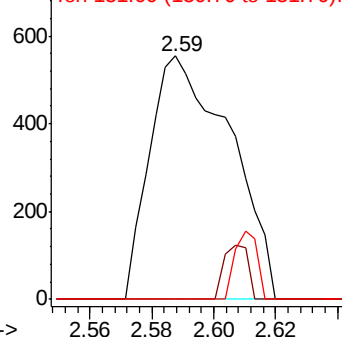
151 7.8 55.3 82.9#



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: 2.194 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU037586.D

Acq: 06 Apr 2020 13:37

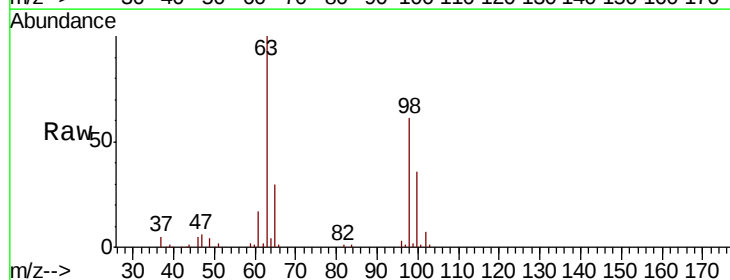
Tgt Ion: 96 Resp: 2003

Ion Ratio Lower Upper

96 100

61 493.9 117.2 217.8#

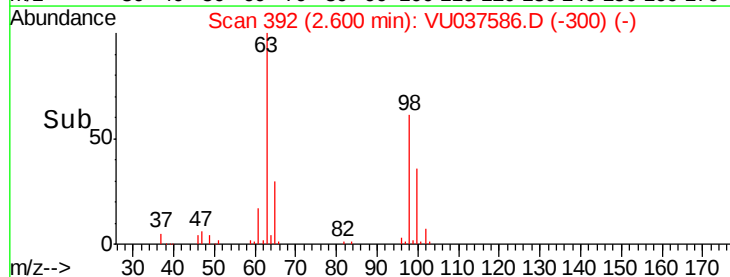
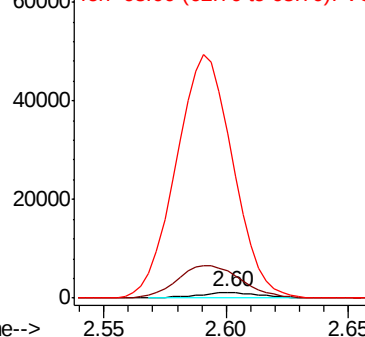
63 2975.2 90.9 168.9#

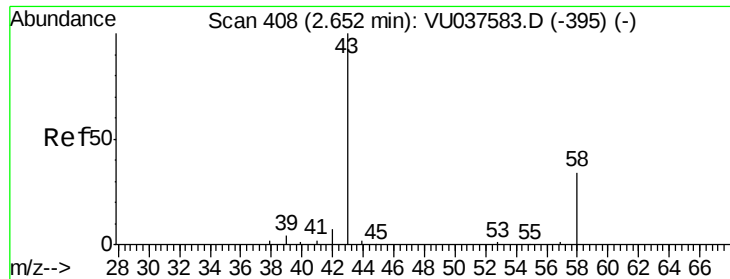


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.281 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU037586.D

Acq: 06 Apr 2020 13:37

Instrument :

MSVOA_U

ClientSampleId :

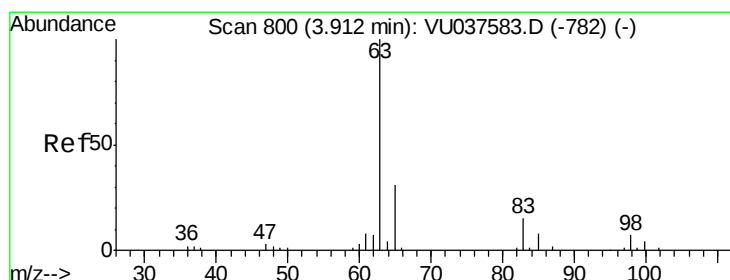
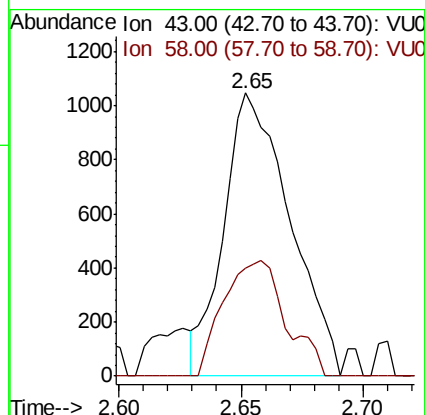
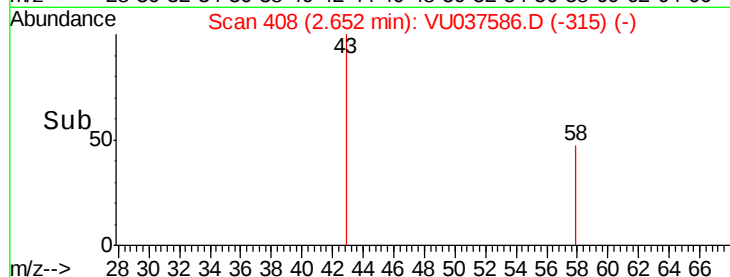
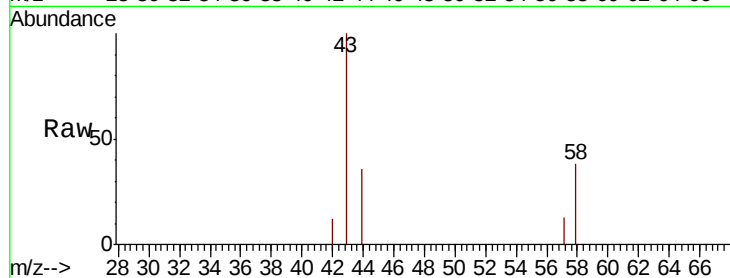
C0EZ5

Tot Ion: 43 Resp: 1976

Ion Ratio Lower Upper

43 100

58 34.7 0.0 68.8



#19

1,1-Dichloroethane

Concen: 1.520 ug/L

RT: 3.92 min Scan# 801

Delta R.T. 0.00 min

Lab File: VU037586.D

Acq: 06 Apr 2020 13:37

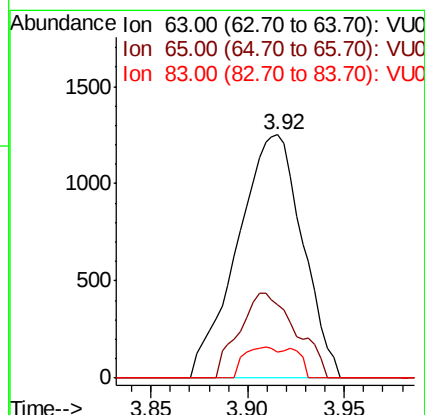
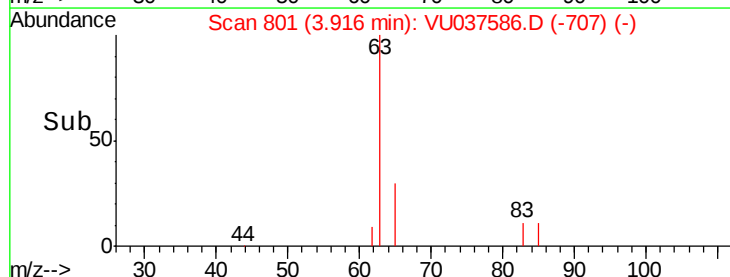
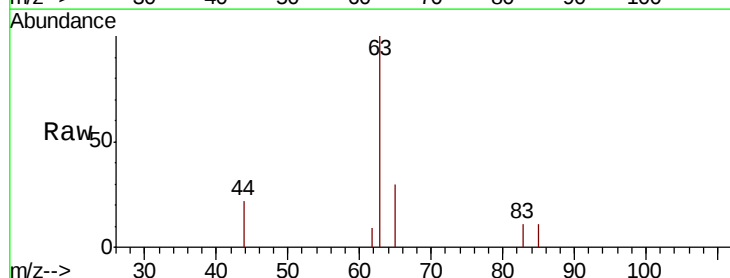
Tgt Ion: 63 Resp: 2928

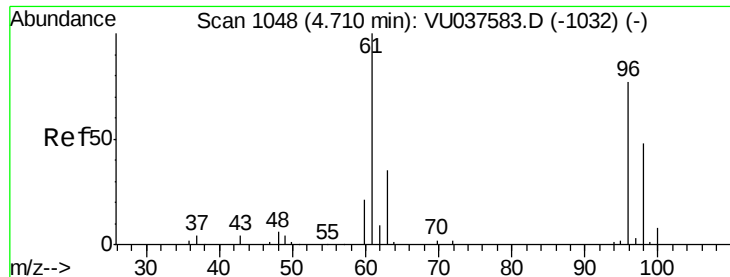
Ion Ratio Lower Upper

63 100

65 29.8 23.2 43.2

83 10.9 9.6 17.8

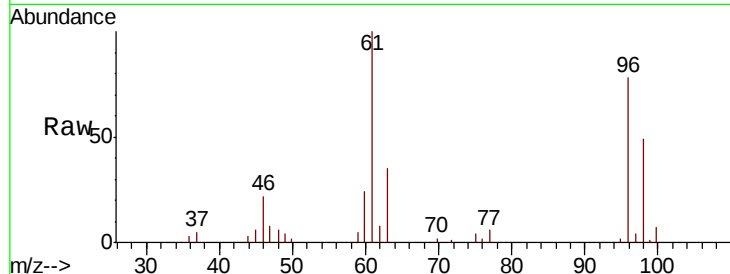




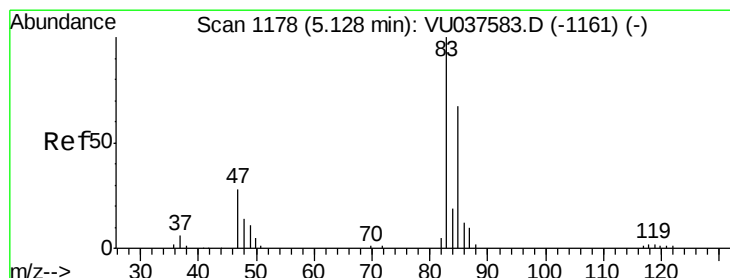
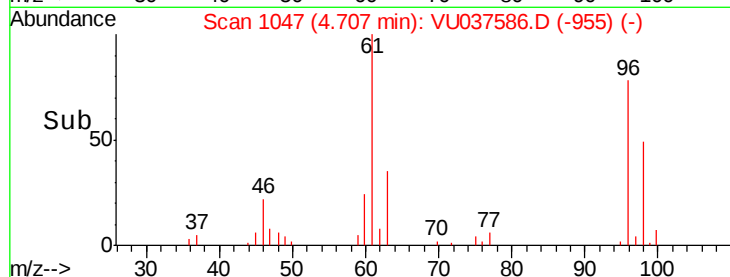
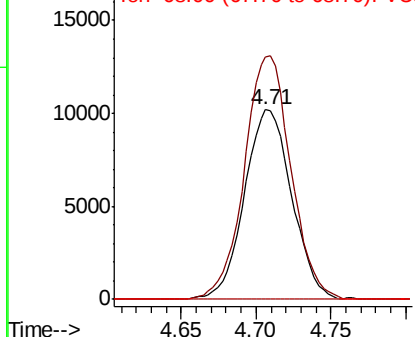
#20
 cis-1,2-Dichloroethene
 Concen: 19.826 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU037586.D
 Acq: 06 Apr 2020 13:37

Instrument :
 MSVOA_U
 ClientSampleId :
 C0EZ5

Tot Ion: 96 Resp: 22446
 Ion Ratio Lower Upper
 96 100
 61 127.9 90.2 167.6
 68 0.0 0.0 0.0

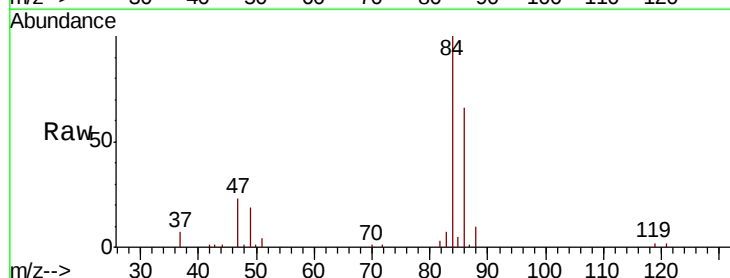


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

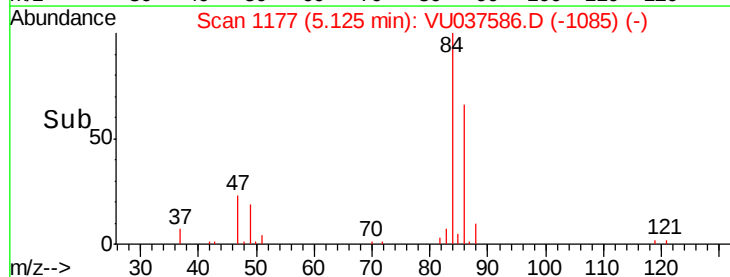
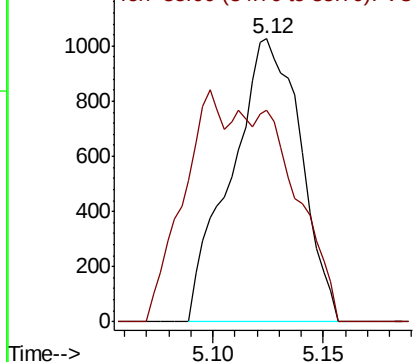


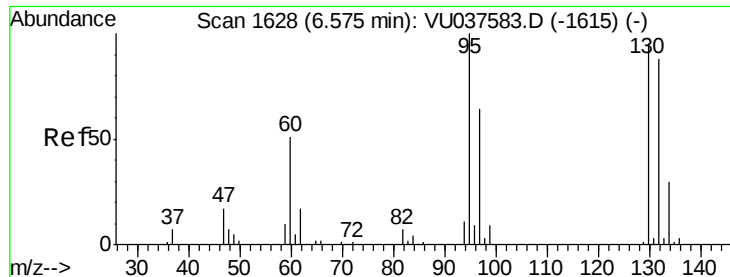
#25
 Chloroform
 Concen: 1.115 ug/L
 RT: 5.12 min Scan# 1177
 Delta R.T. -0.00 min
 Lab File: VU037586.D
 Acq: 06 Apr 2020 13:37

Tgt Ion: 83 Resp: 2240
 Ion Ratio Lower Upper
 83 100
 85 74.9 43.7 81.1



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 176.493 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU037586.D

Acq: 06 Apr 2020 13:37

Instrument :

MSVOA_U

ClientSampleId :

C0EZ5

Tot Ion: 95 Resp: 189739

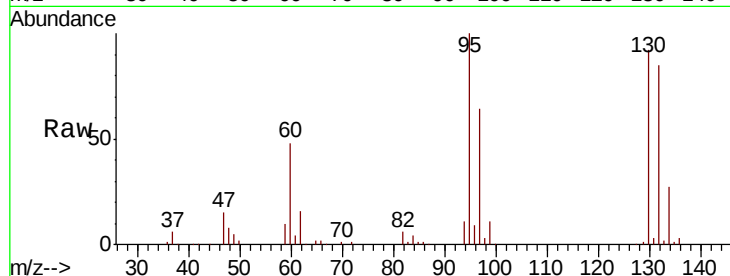
Ion Ratio Lower Upper

95 100

97 64.3 45.2 84.0

132 85.4 63.7 118.3

130 92.1 64.5 119.7

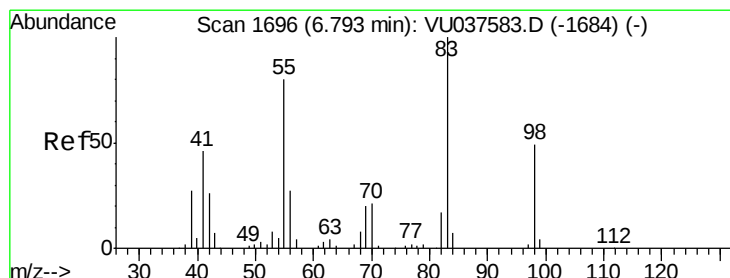
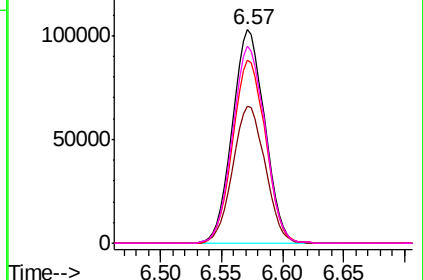
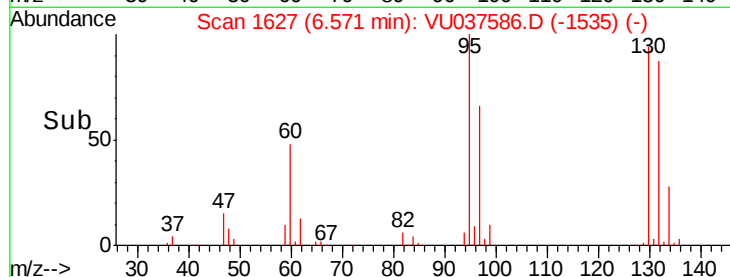


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 9.802 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.07 min

Lab File: VU037586.D

Acq: 06 Apr 2020 13:37

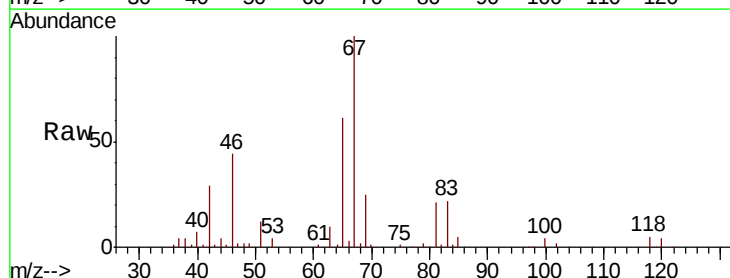
Tgt Ion: 83 Resp: 16282

Ion Ratio Lower Upper

83 100

55 0.3 61.1 91.7#

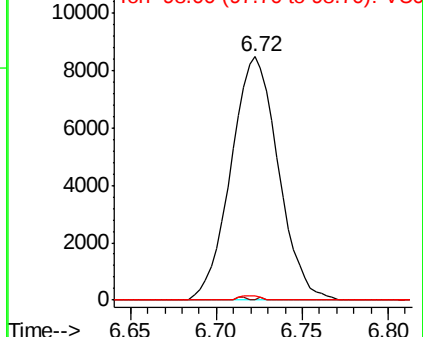
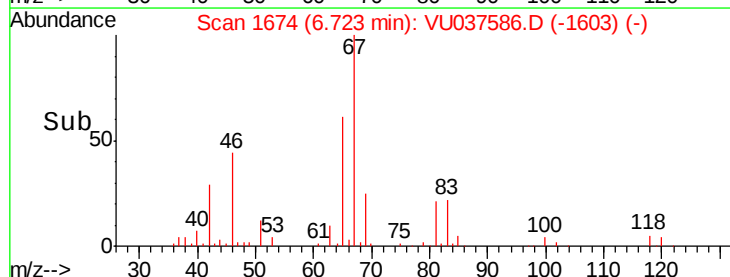
98 0.8 35.3 52.9#

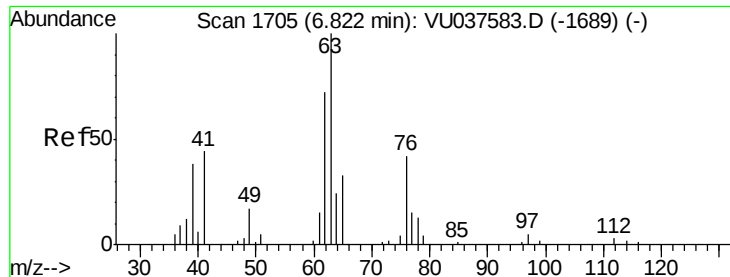


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

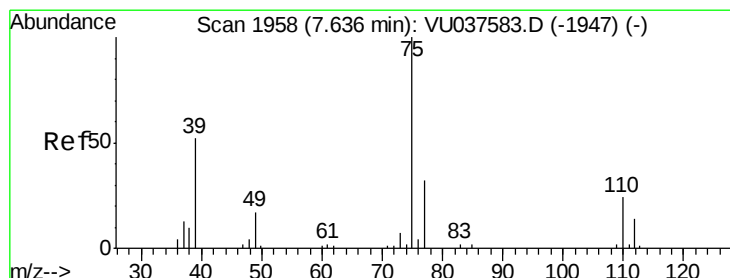
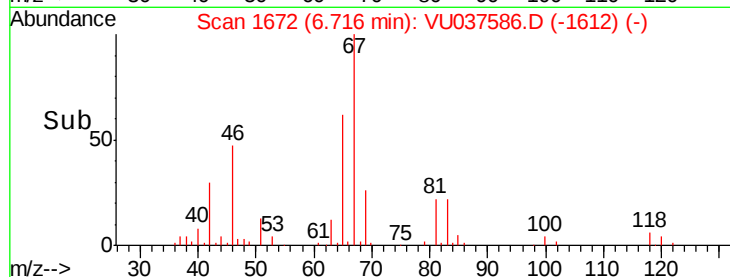
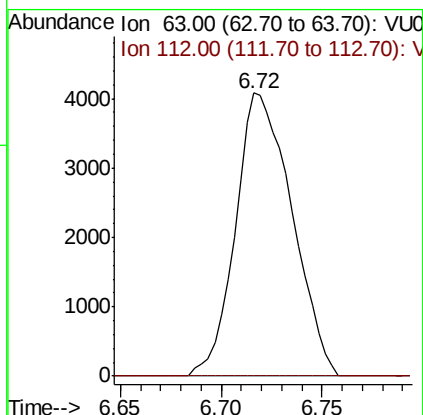
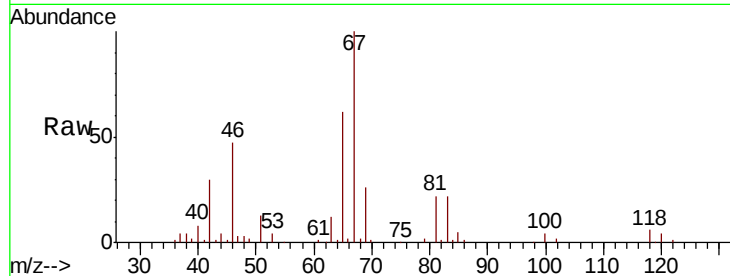




#37
 1,2-Dichloropropane
 Concen: 6.796 ug/L
 RT: 6.72 min Scan# 1672
 Delta R.T. -0.11 min
 Lab File: VU037586.D
 Acq: 06 Apr 2020 13:37

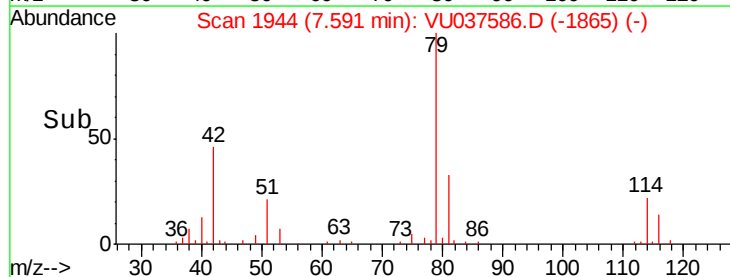
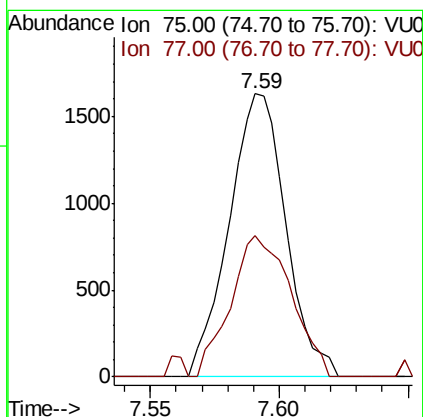
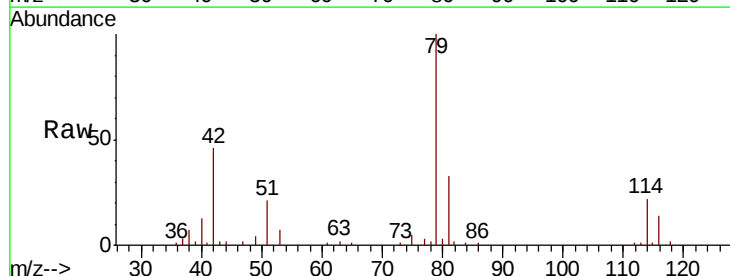
Instrument :
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 ClientSampleId :
 C0EZ5

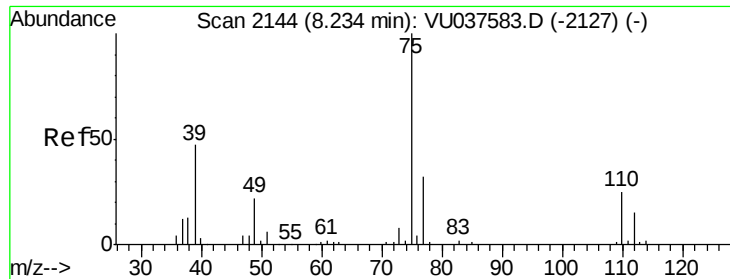
Tot Ion: 63 Resp: 7961
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 1.371 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.05 min
 Lab File: VU037586.D
 Acq: 06 Apr 2020 13:37

Tgt Ion: 75 Resp: 2509
 Ion Ratio Lower Upper
 75 100
 77 49.8 22.5 41.7#





#44

trans-1,3-Dichloropropene

Concen: 1.065 ug/L

RT: 8.20 min Scan# 2134

Delta R.T. -0.03 min

Lab File: VU037586.D

Acq: 06 Apr 2020 13:37

Instrument :

MSVOA_U

ClientSampleId :

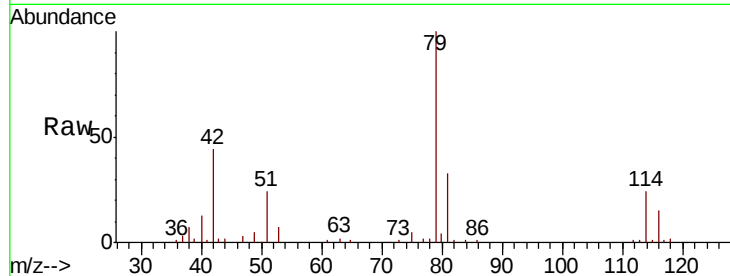
C0EZ5

Tot Ion: 75 Resp: 1919

Ion Ratio Lower Upper

75 100

77 47.9 23.4 43.6#



Abundance Ion 75.00 (74.70 to 75.70): VU037583.D (-2127) (-)

Ion 77.00 (76.70 to 77.70): VU037583.D (-2127) (-)

8.20

1000

800

600

400

200

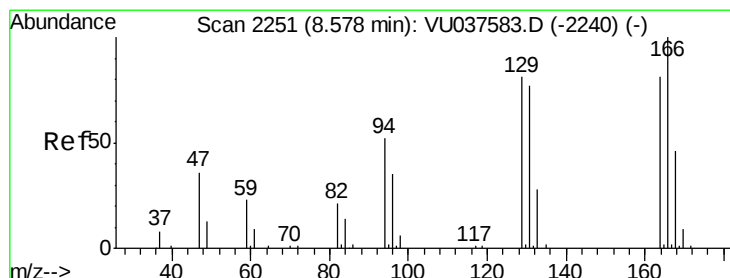
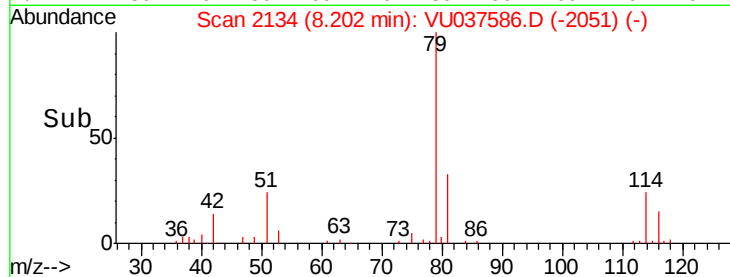
0

8.15

8.20

8.25

Time-->



#46

Tetrachloroethene

Concen: 6.769 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.01 min

Lab File: VU037586.D

Acq: 06 Apr 2020 13:37

Tgt Ion:164 Resp: 4886

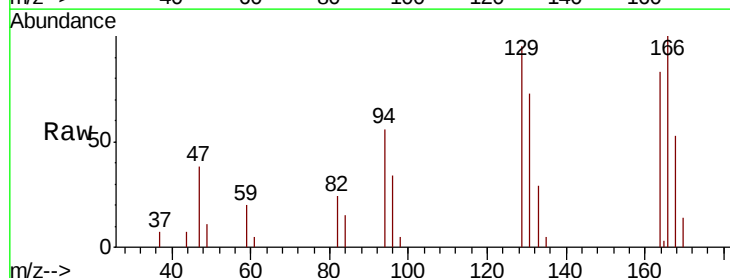
Ion Ratio Lower Upper

164 100

129 109.9 76.5 142.1

131 85.1 71.7 133.1

166 116.2 88.8 165.0



Abundance Ion 164.00 (163.70 to 164.70): VU037583.D (-2240) (-)

Ion 129.00 (128.70 to 129.70): VU037583.D (-2240) (-)

Ion 131.00 (130.70 to 131.70): VU037583.D (-2240) (-)

Ion 166.00 (165.70 to 166.70): VU037583.D (-2240) (-)

5000

4000

3000

2000

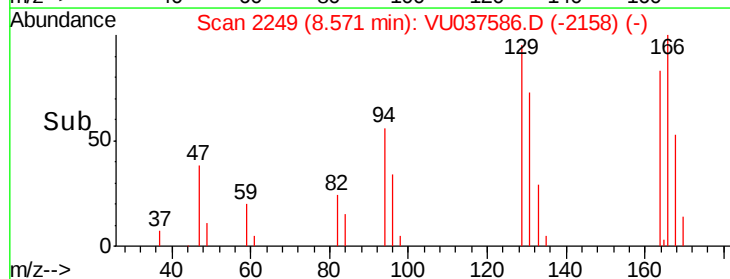
1000

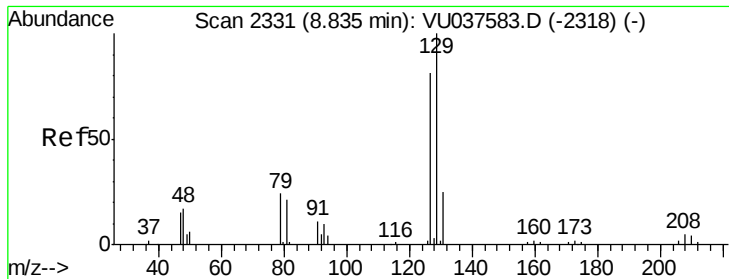
0

8.55

8.60

Time-->





#49

Dibromochloromethane

Concen: 4.387 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.26 min

Lab File: VU037586.D

Acq: 06 Apr 2020 13:37

Instrument :

MSVOA_U

ClientSampleId :

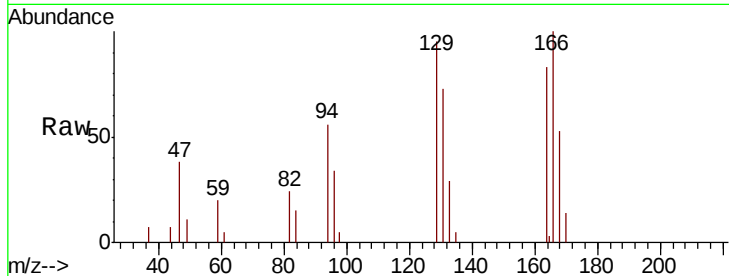
C0EZ5

Tot Ion:129 Resp: 5234

Ion Ratio Lower Upper

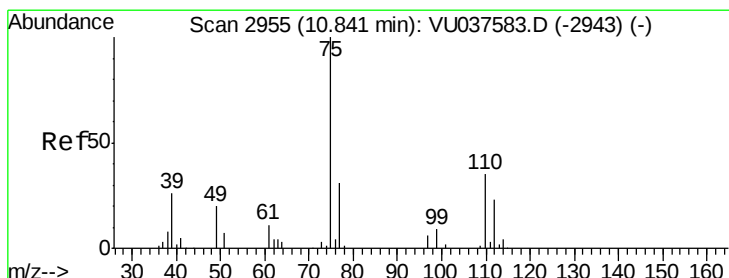
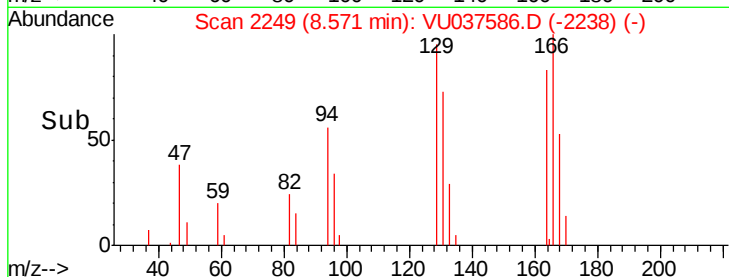
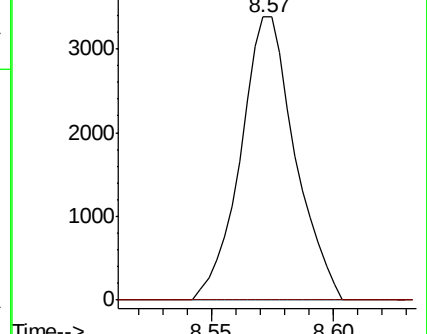
129 100

127 0.0 55.0 102.2#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 7.029 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU037586.D

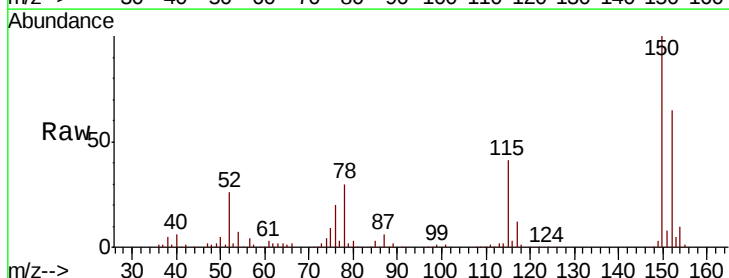
Acq: 06 Apr 2020 13:37

Tgt Ion: 75 Resp: 10585

Ion Ratio Lower Upper

75 100

77 33.7 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

