

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041720\
 Data File : VU037800.D
 Acq On : 18 Apr 2020 03:09
 Operator : JC/MD
 Sample : L2319-12
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 18 05:25:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 18 05:19:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	260336	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	254183	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	122709	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	80182	4.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.40%
7) Chloroethane-d5	1.93	69	73570	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.60%
11) 1,1-Dichloroethene-d2	2.59	63	109333	3.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.40%
20) 2-Butanone-d5	4.66	46	309785	57.26	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.52%
24) Chloroform-d	5.11	84	156285	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.74	65	93040	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
32) Benzene-d6	5.76	84	319387	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.72	67	111593	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.92	98	287963	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	8.20	79	44892	4.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.40%
46) 2-Hexanone-d5	8.65	63	260652	50.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.44%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	89054	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	107132	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

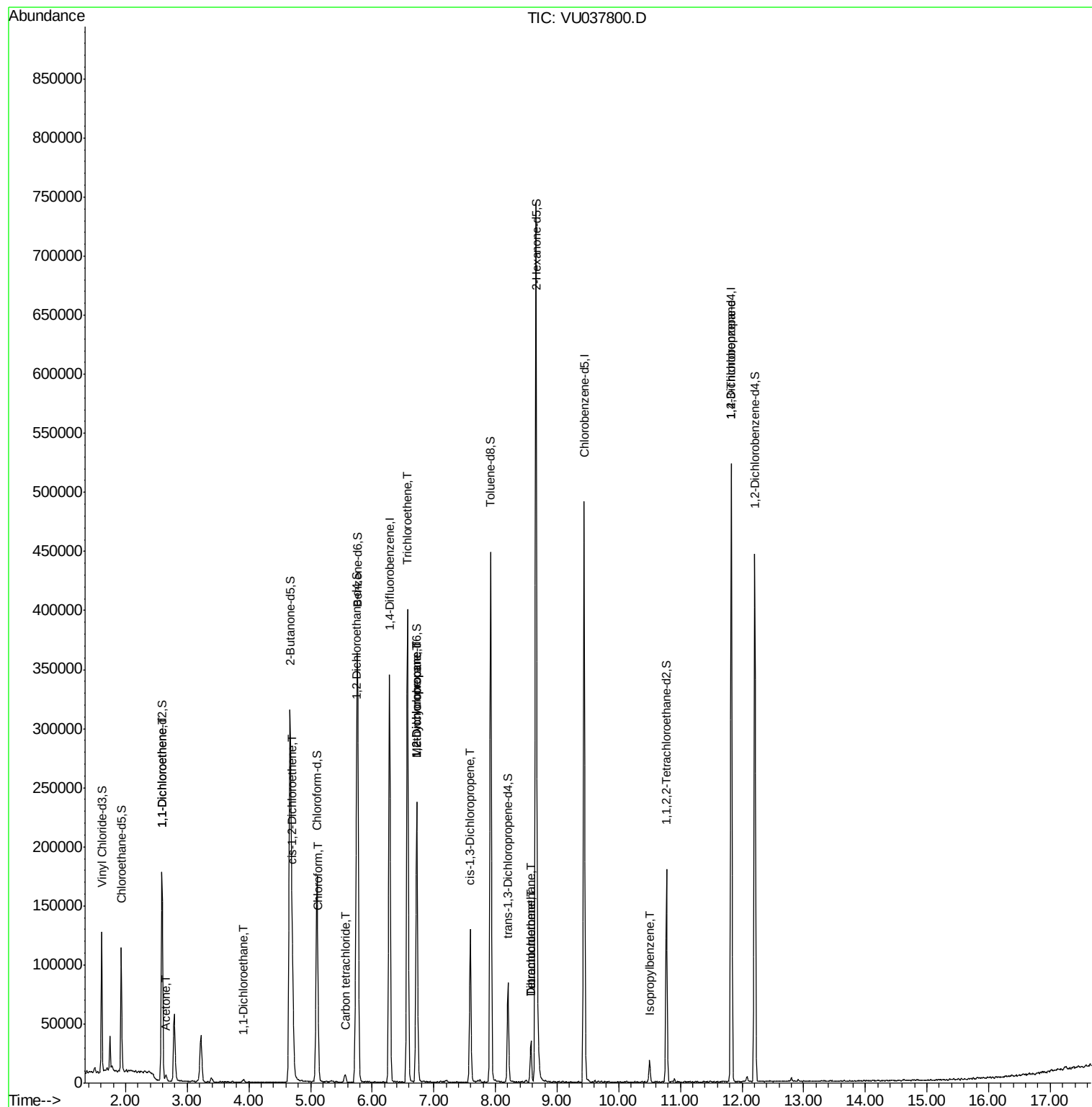
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	2522	0.140	ug/L #	1
13) Acetone	2.65	43	6784	1.902	ug/L	91
19) 1,1-Dichloroethane	3.92	63	3160	0.084	ug/L	88
22) cis-1,2-Dichloroethene	4.71	96	38660	1.837	ug/L	88
25) Chloroform	5.13	83	6609	0.185	ug/L	99
31) Carbon tetrachloride	5.56	117	4265	0.174	ug/L	100
34) Trichloroethene	6.57	95	132825	6.436	ug/L	98
35) Methylcyclohexane	6.73	83	24427	0.675	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	11690	0.525	ug/L #	87
39) cis-1,3-Dichloropropene	7.59	75	2883	0.083	ug/L #	42
47) Tetrachloroethene	8.57	164	7609	0.513	ug/L	97
49) Dibromochloromethane	8.57	129	7246	0.422	ug/L #	11
56) Isopropylbenzene	10.50	105	12259	0.128	ug/L	98
59) 1,2,3-Trichloropropane	11.83	75	17749	1.218	ug/L	91

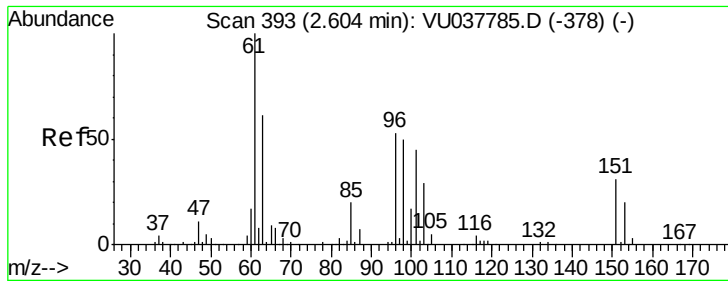
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Apr 18 05:19:30 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.140 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU037800.D

Acq: 18 Apr 2020 03:09

Instrument :

MSVOA_U

ClientSampleId :

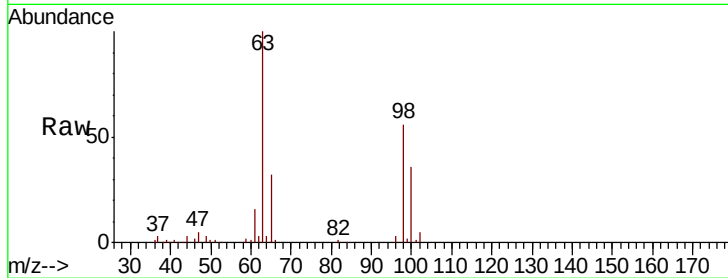
Tot Ion: 96 Resp: 2522

Ion Ratio Lower Upper

96 100

61 502.3 127.7 237.3#

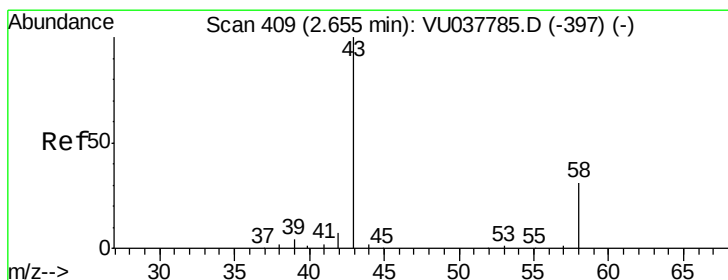
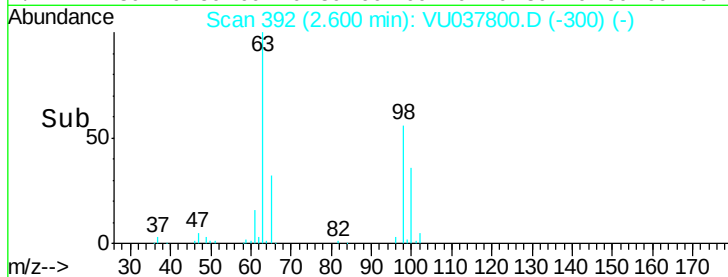
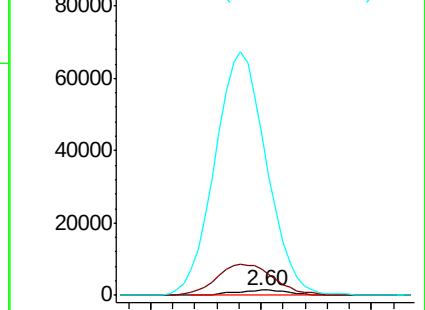
63 3054.9 85.0 157.8#



Abundance Ion 96.00 (95.70 to 96.70): VU037785.D (-378) (-)

Ion 61.05 (60.75 to 61.75): VU037785.D (-378) (-)

Ion 63.00 (62.70 to 63.70): VU037785.D (-378) (-)



#13

Acetone

Concen: 1.902 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU037800.D

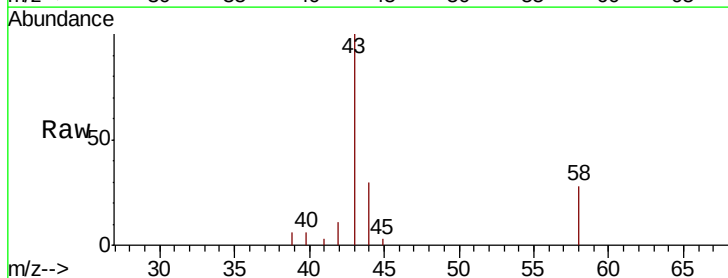
Acq: 18 Apr 2020 03:09

Tgt Ion: 43 Resp: 6784

Ion Ratio Lower Upper

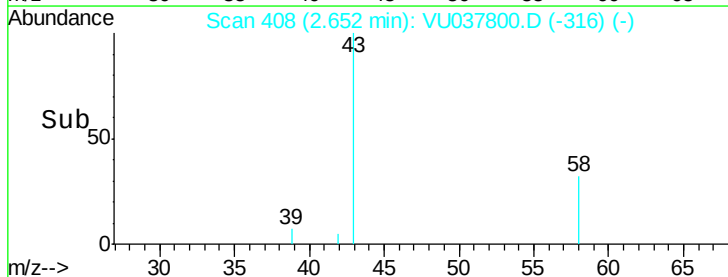
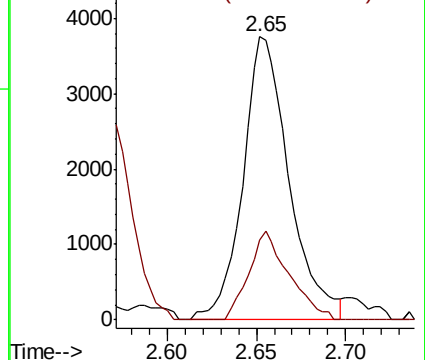
43 100

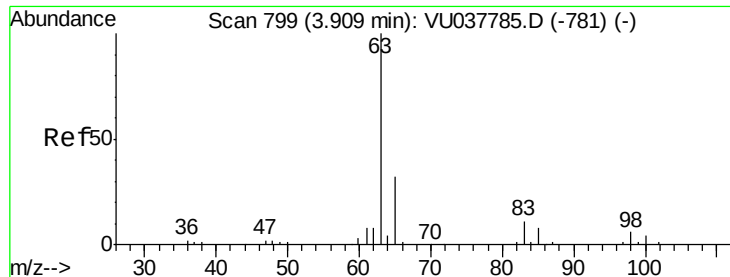
58 27.3 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU037785.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU037785.D (-397) (-)

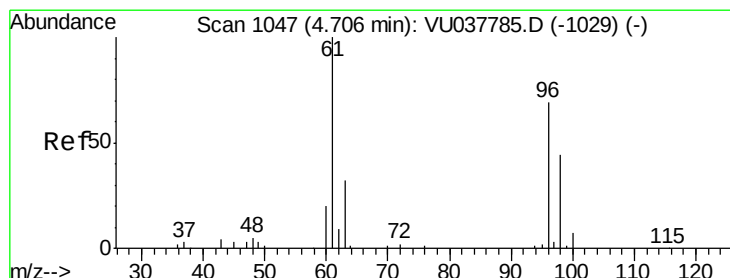
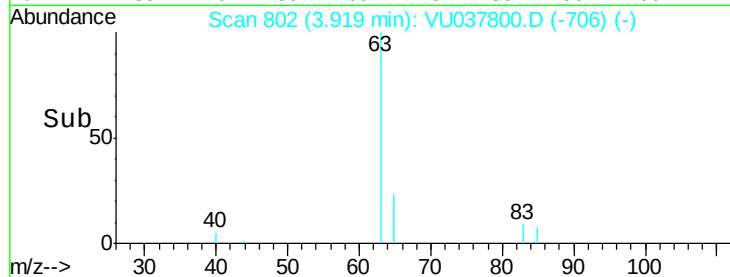
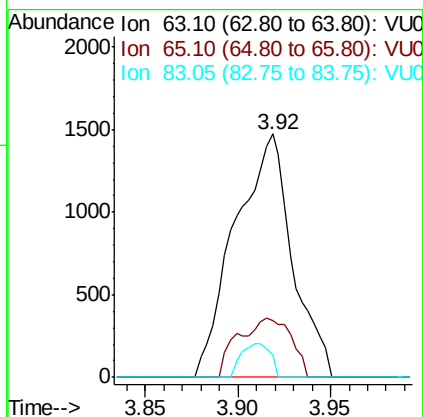
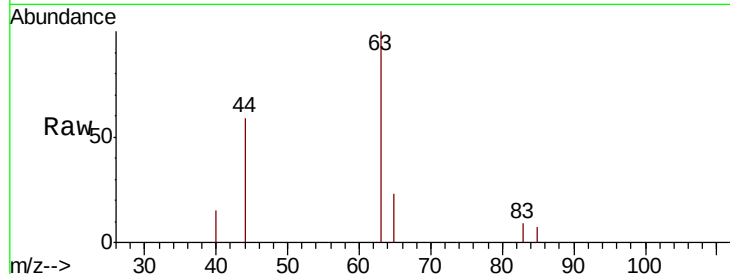




#19
 1,1-Dichloroethane
 Concen: 0.084 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.01 min
 Lab File: VU037800.D
 Acq: 18 Apr 2020 03:09

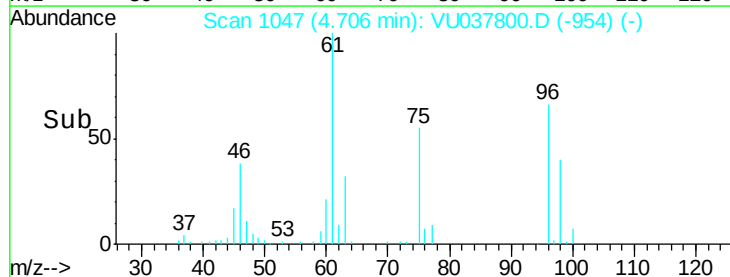
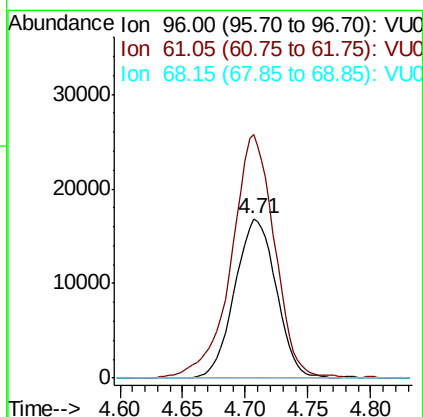
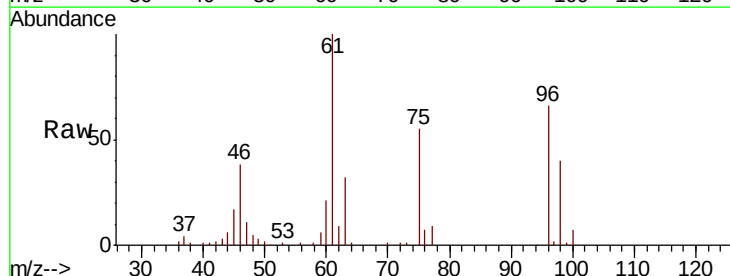
Instrument :
 MSVOA_U
 ClientSampleId :

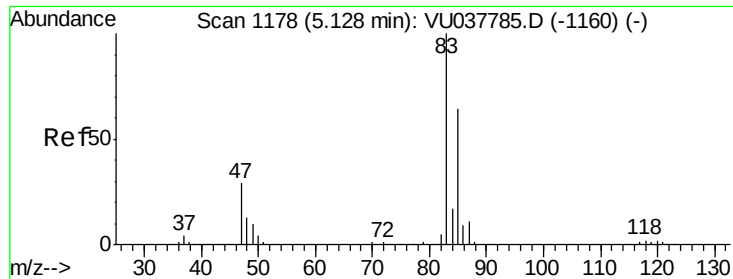
Tot Ion: 63 Resp: 3160
 Ion Ratio Lower Upper
 63 100
 65 23.1 21.6 40.2
 83 9.4 8.6 16.0



#22
 cis-1,2-Dichloroethene
 Concen: 1.837 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU037800.D
 Acq: 18 Apr 2020 03:09

Tgt Ion: 96 Resp: 38660
 Ion Ratio Lower Upper
 96 100
 61 152.6 97.0 180.2
 68 0.0 0.0 0.0

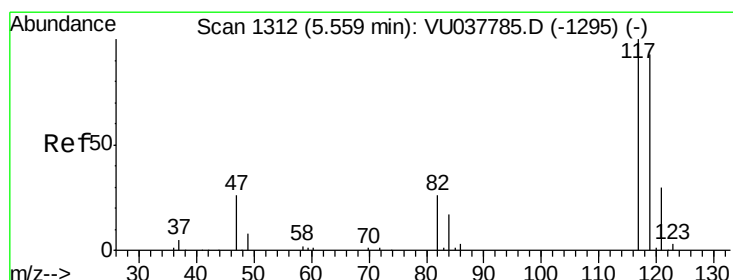
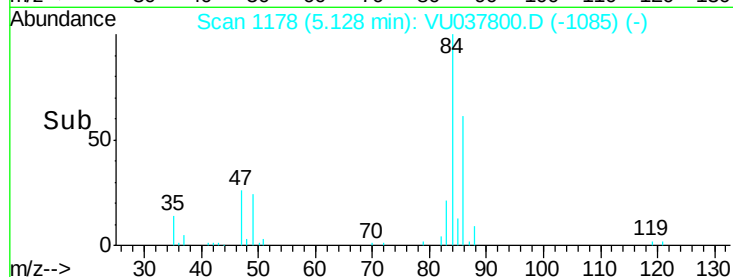
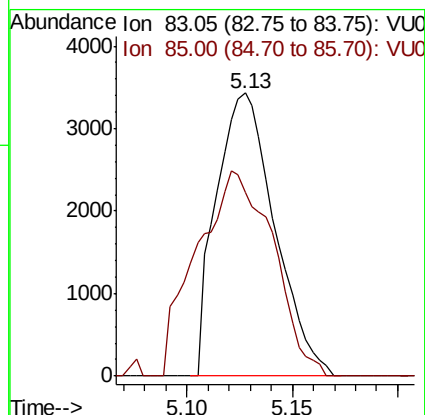
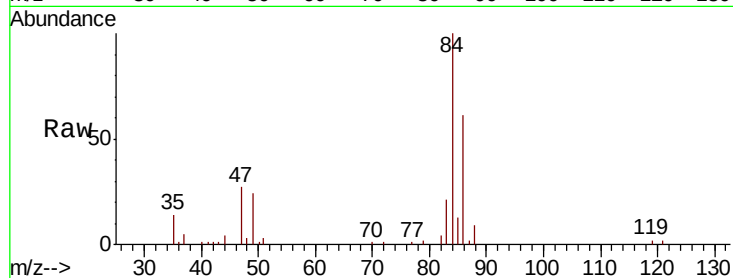




#25
Chloroform
Concen: 0.185 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037800.D
Acq: 18 Apr 2020 03:09

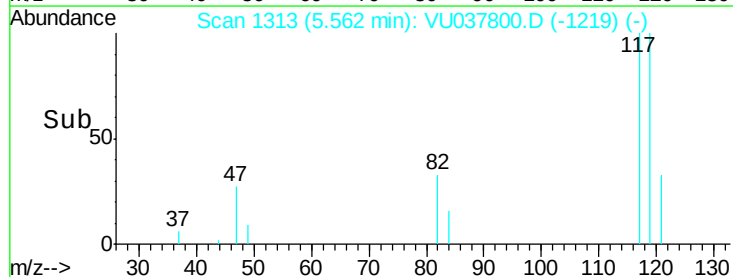
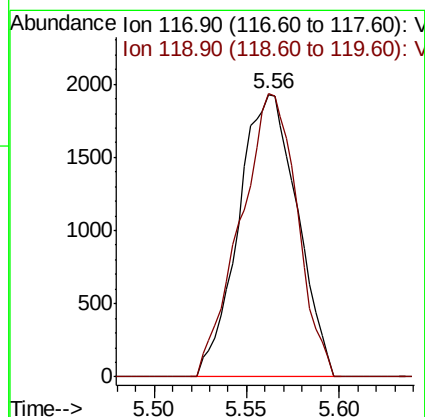
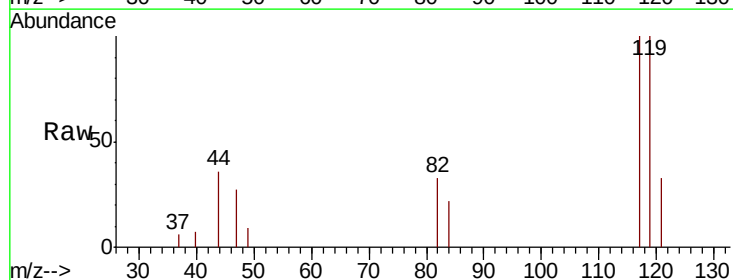
Instrument :
MSVOA_U
ClientSampleId :

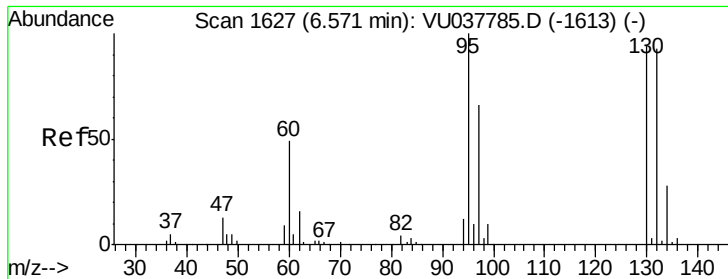
Tot Ion: 83 Resp: 6609
Ion Ratio Lower Upper
83 100
85 64.8 44.9 83.3



#31
Carbon tetrachloride
Concen: 0.174 ug/L
RT: 5.56 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU037800.D
Acq: 18 Apr 2020 03:09

Tgt Ion: 117 Resp: 4265
Ion Ratio Lower Upper
117 100
119 97.0 77.4 116.0





#34

Trichloroethene

Concen: 6.436 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU037800.D

Acq: 18 Apr 2020 03:09

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 132825

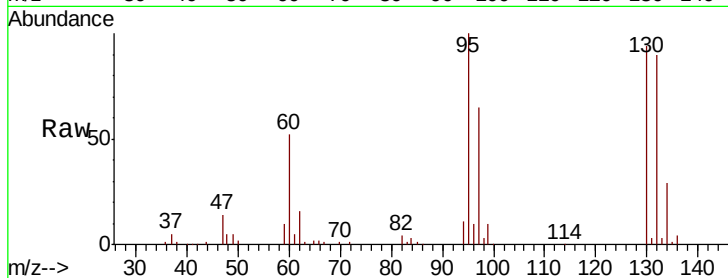
Ion Ratio Lower Upper

95 100

97 65.4 45.4 84.2

132 90.4 63.7 118.3

130 94.2 68.7 127.5

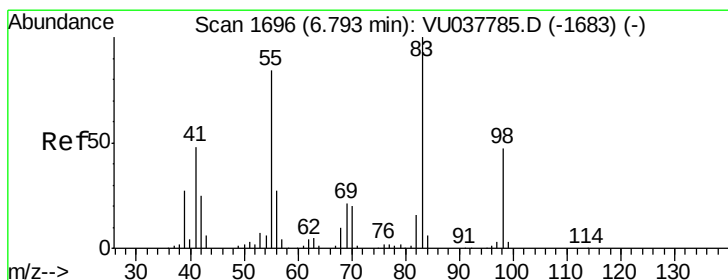
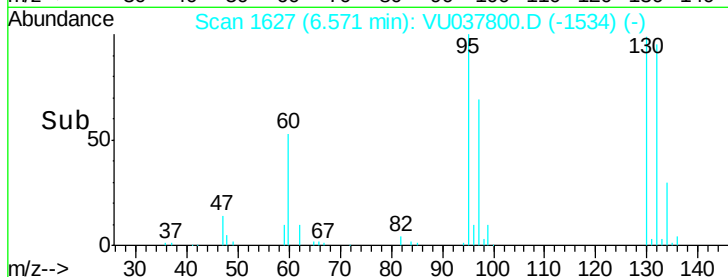
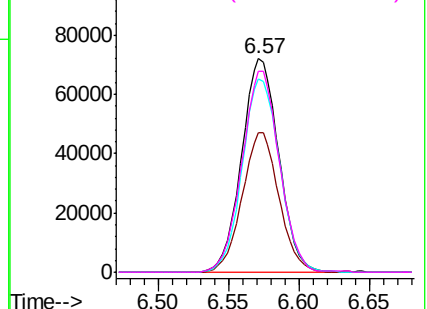


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.675 ug/L

RT: 6.73 min Scan# 1675

Delta R.T. -0.07 min

Lab File: VU037800.D

Acq: 18 Apr 2020 03:09

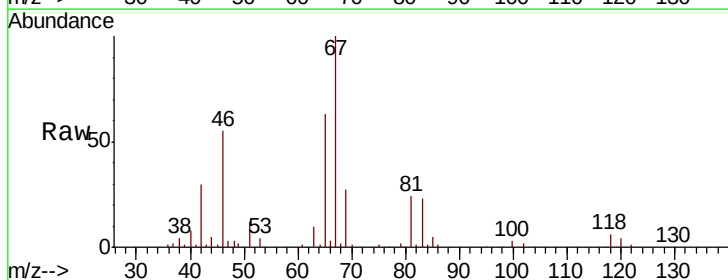
Tgt Ion: 83 Resp: 24427

Ion Ratio Lower Upper

83 100

55 0.1 65.5 98.3#

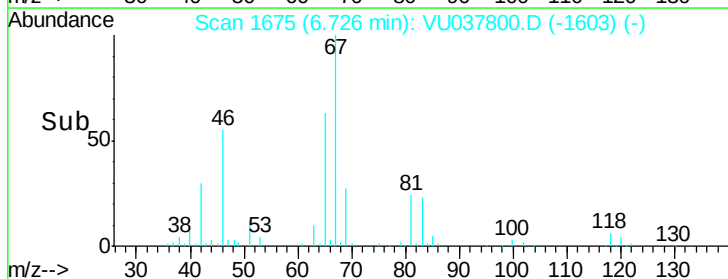
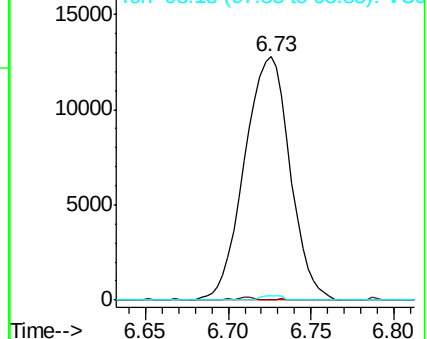
98 0.8 38.2 57.4#

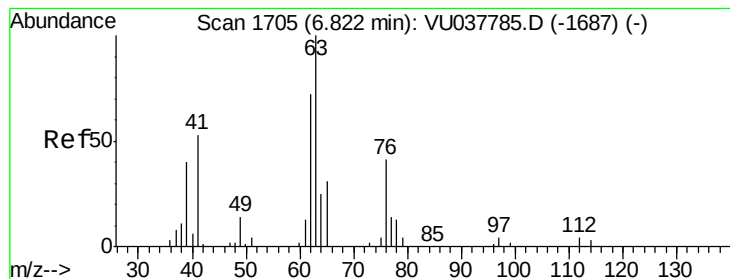


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.525 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU037800.D

Acq: 18 Apr 2020 03:09

Instrument :

MSVOA_U

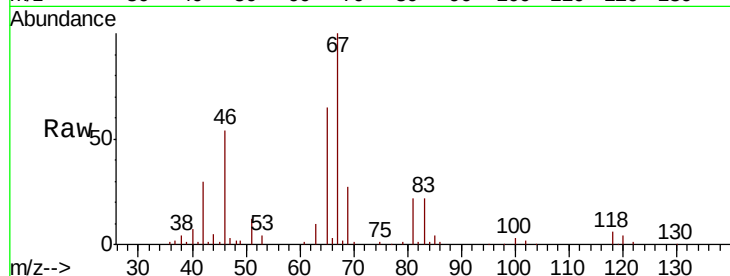
ClientSampleId :

Tot Ion: 63 Resp: 11690

Ion Ratio Lower Upper

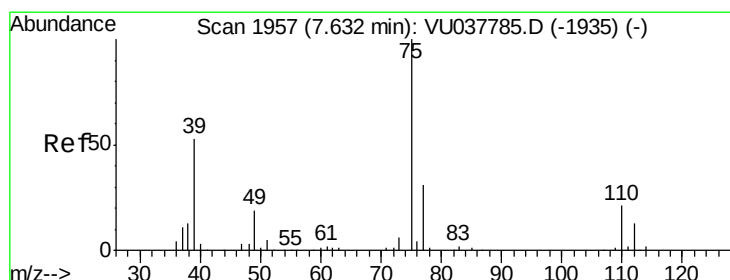
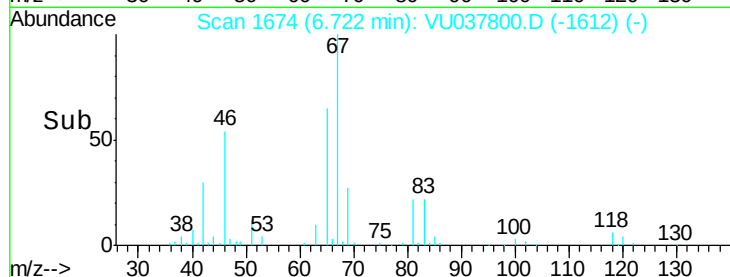
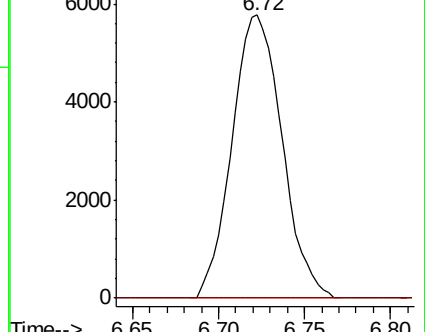
63 100

112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VU037785.D (-1687) (-)

Ion 112.10 (111.80 to 112.80): VU037785.D (-1687) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 7.59 min Scan# 1944

Delta R.T. -0.04 min

Lab File: VU037800.D

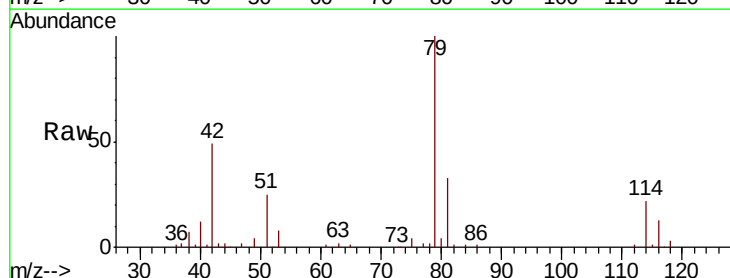
Acq: 18 Apr 2020 03:09

Tgt Ion: 75 Resp: 2883

Ion Ratio Lower Upper

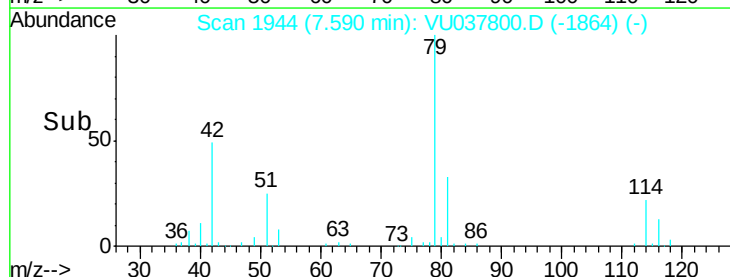
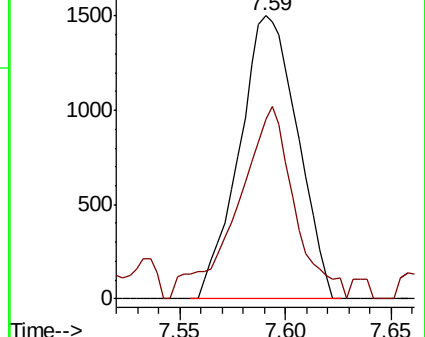
75 100

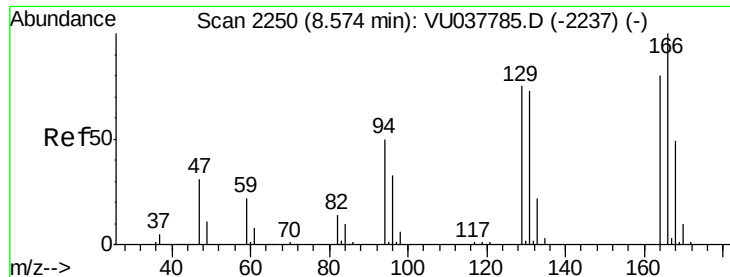
77 63.7 22.2 41.2#



Abundance Ion 75.05 (74.75 to 75.75): VU037785.D (-1935) (-)

Ion 77.05 (76.75 to 77.75): VU037785.D (-1935) (-)





#47

Tetrachloroethene

Concen: 0.513 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU037800.D

Acq: 18 Apr 2020 03:09

Instrument :

MSVOA_U

ClientSampled :

Tot Ion:164 Resp: 7609

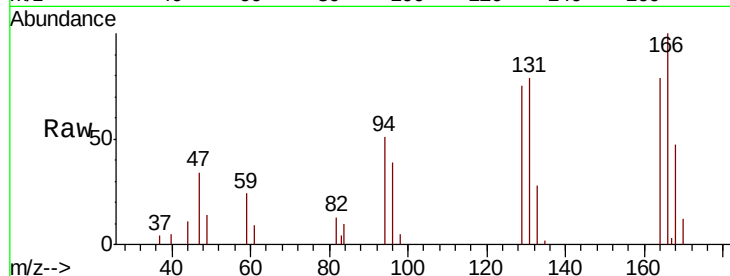
Ion Ratio Lower Upper

164 100

129 94.6 68.1 126.5

131 100.5 65.9 122.5

166 126.5 89.7 166.7

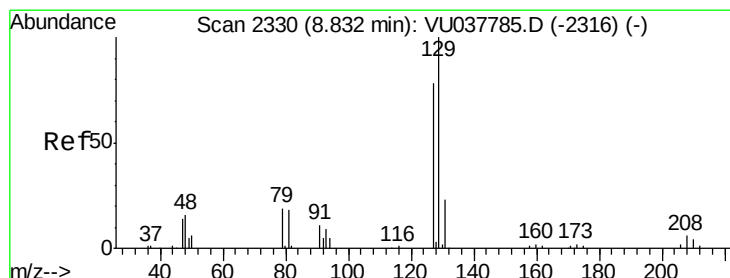
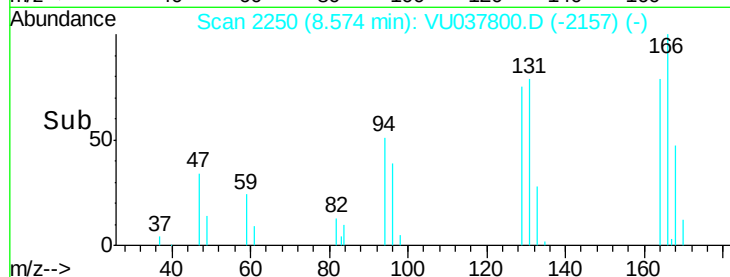
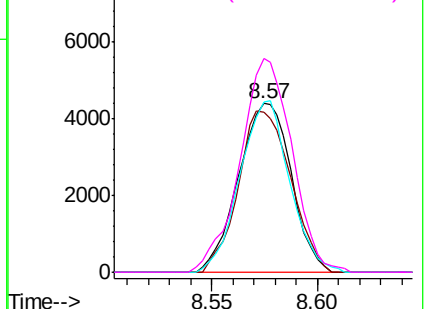


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.422 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.26 min

Lab File: VU037800.D

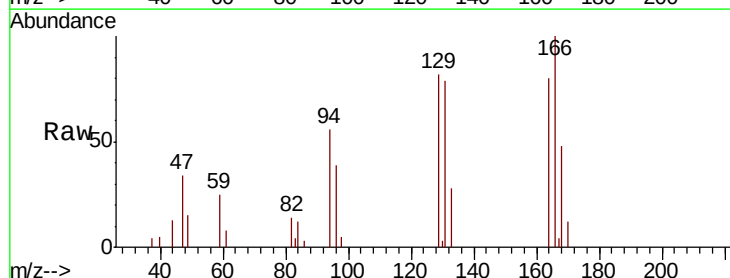
Acq: 18 Apr 2020 03:09

Tgt Ion:129 Resp: 7246

Ion Ratio Lower Upper

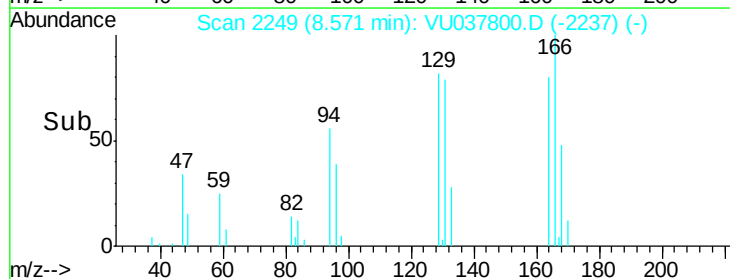
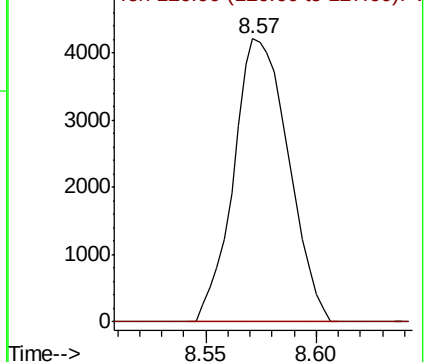
129 100

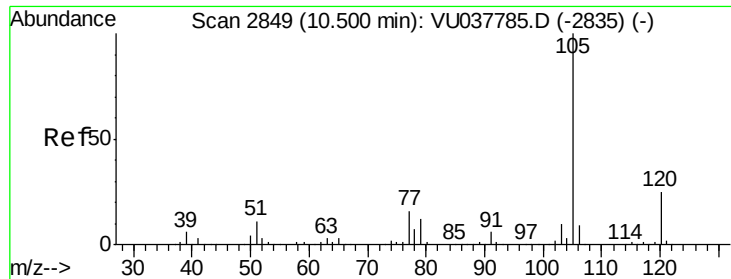
127 0.0 53.3 98.9#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#56

Isopropylbenzene

Concen: 0.128 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU037800.D

Acq: 18 Apr 2020 03:09

Instrument :

MSVOA_U

ClientSampleId :

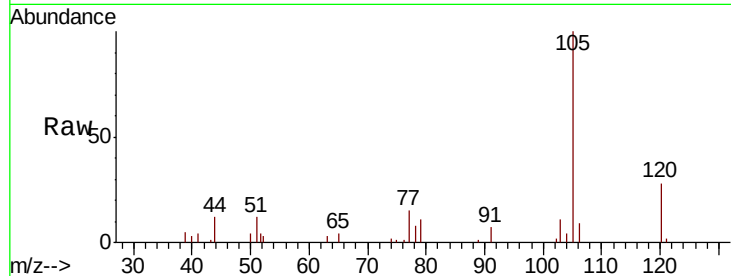
Tot Ion:105 Resp: 12259

Ion Ratio Lower Upper

105 100

120 26.6 20.6 31.0

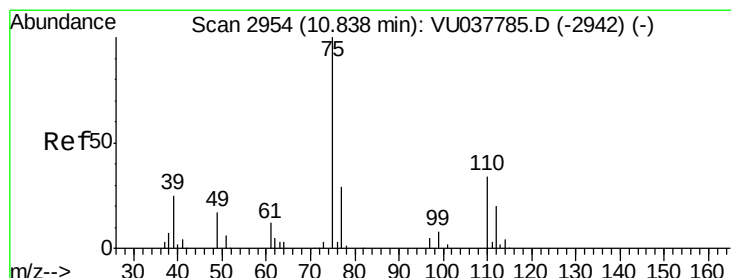
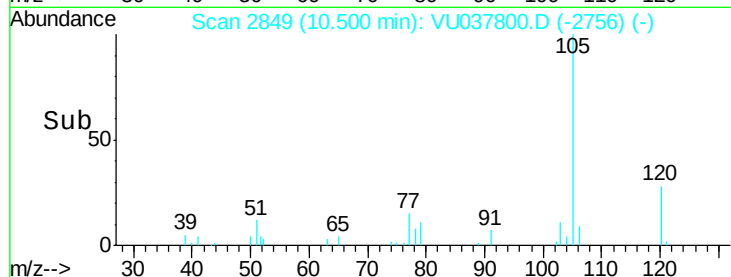
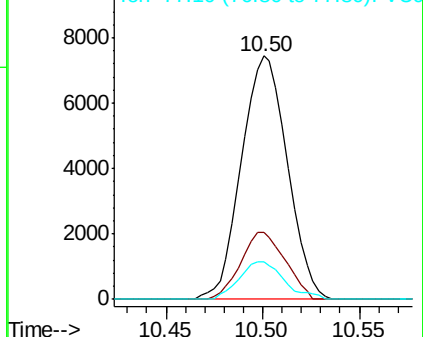
77 15.1 13.2 19.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU



#59

1,2,3-Trichloropropane

Concen: 1.218 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.99 min

Lab File: VU037800.D

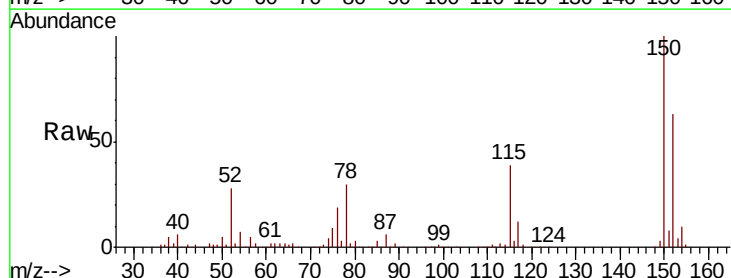
Acq: 18 Apr 2020 03:09

Tgt Ion: 75 Resp: 17749

Ion Ratio Lower Upper

75 100

77 36.6 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

