

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041720\
 Data File : VU037802.D
 Acq On : 18 Apr 2020 03:58
 Operator : JC/MD
 Sample : L2319-14
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 18 05:25:46 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	265069	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	256788	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	123845	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	82272	4.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.00%
7) Chloroethane-d5	1.93	69	75046	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.60%
11) 1,1-Dichloroethene-d2	2.59	63	111851	3.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.80%
20) 2-Butanone-d5	4.66	46	324130	58.84	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.68%
24) Chloroform-d	5.10	84	159565	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.74	65	93782	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.76	84	329190	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	6.72	67	113502	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.92	98	291609	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
43) trans-1,3-Dichloropropene-	8.20	79	45847	4.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.40%
46) 2-Hexanone-d5	8.66	63	261213	50.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.62%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	88961	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	107349	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

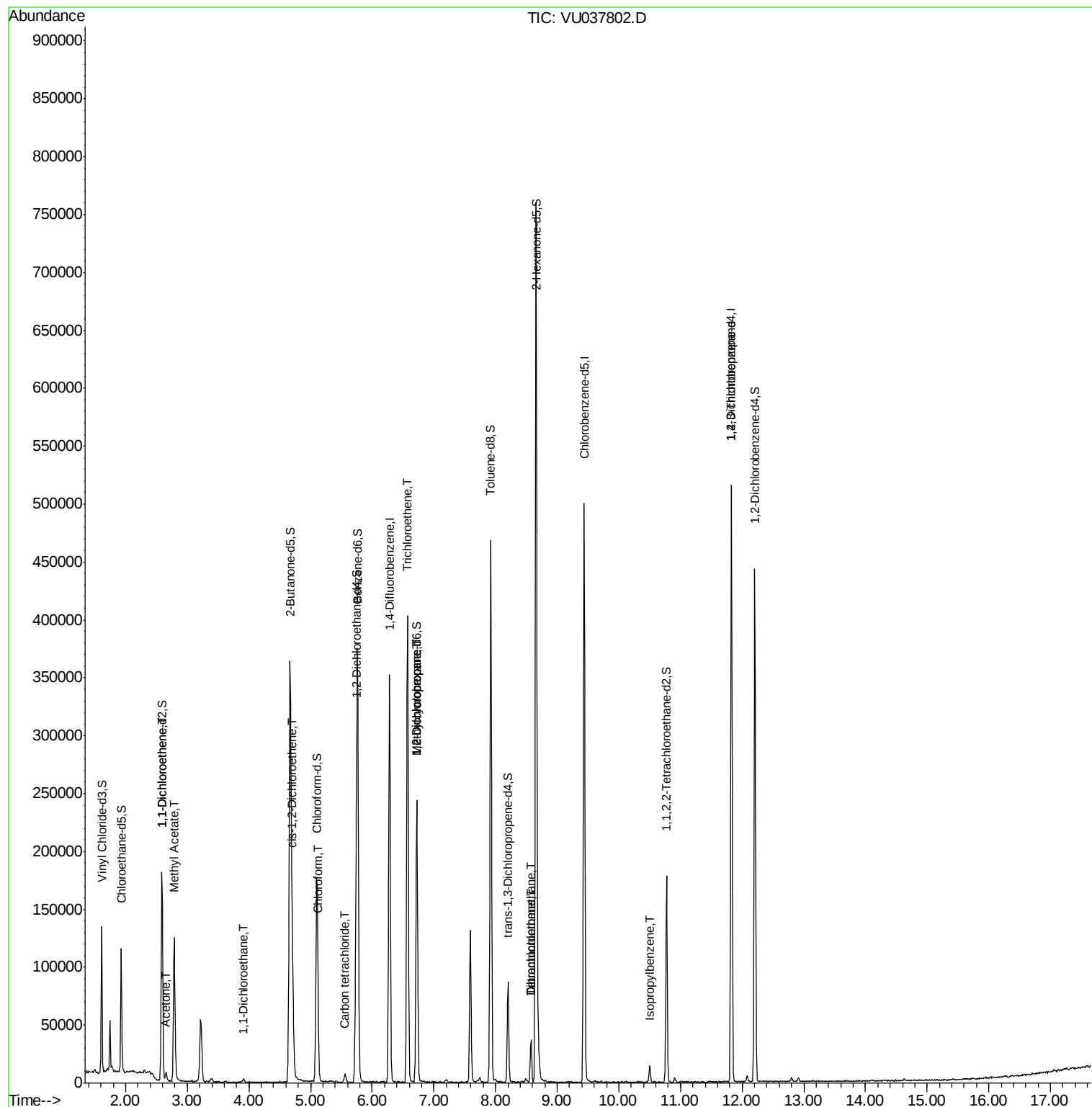
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	2426	0.133	ug/L #	1
13) Acetone	2.66	43	9242	2.545	ug/L	96
15) Methyl Acetate	2.79	43	29872	2.958	ug/L #	54
19) 1,1-Dichloroethane	3.92	63	3300	0.086	ug/L #	85
22) cis-1,2-Dichloroethene	4.71	96	38812	1.811	ug/L	94
25) Chloroform	5.13	83	6864	0.188	ug/L	95
31) Carbon tetrachloride	5.56	117	4612	0.186	ug/L	97
34) Trichloroethene	6.57	95	136561	6.549	ug/L	99
35) Methylcyclohexane	6.72	83	24454	0.669	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	12778	0.568	ug/L #	87
47) Tetrachloroethene	8.57	164	7572	0.505	ug/L	94
49) Dibromochloromethane	8.58	129	7188	0.415	ug/L #	11
56) Isopropylbenzene	10.50	105	8707	0.090	ug/L	98
59) 1,2,3-Trichloropropane	11.83	75	17419	1.183	ug/L	91

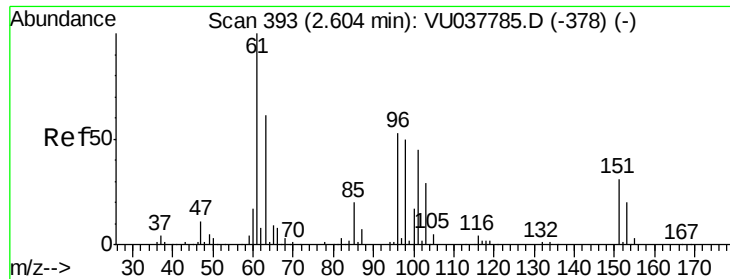
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.133 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU037802.D

Acq: 18 Apr 2020 03:58

Instrument :
MSVOA_U
ClientSampleId :

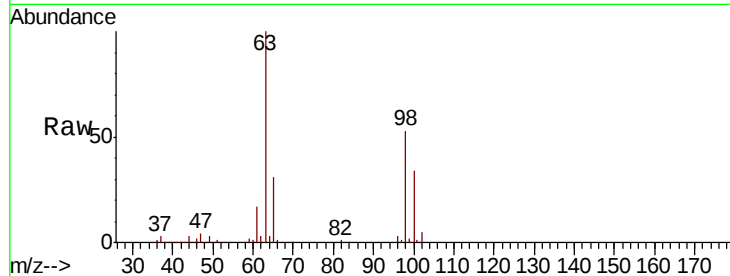
Tot Ion: 96 Resp: 2426

Ion Ratio Lower Upper

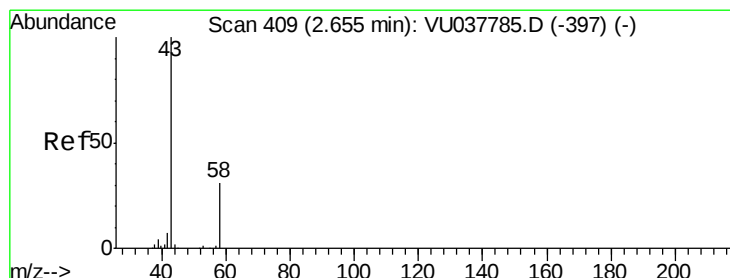
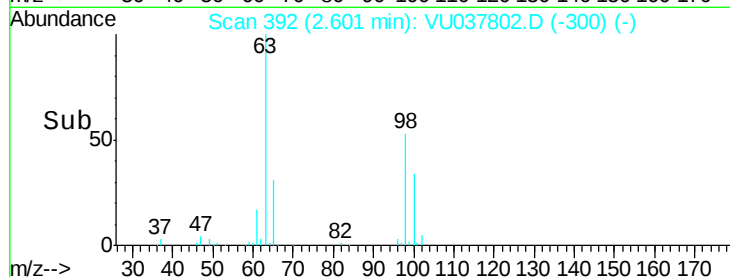
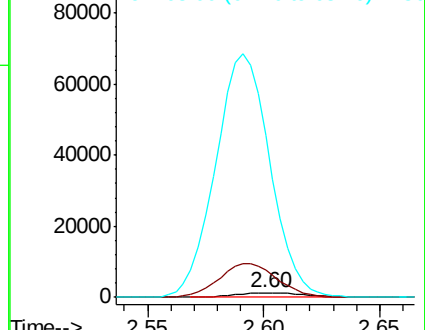
96 100

61 616.9 127.7 237.3#

63 3682.3 85.0 157.8#



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: 2.545 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037802.D

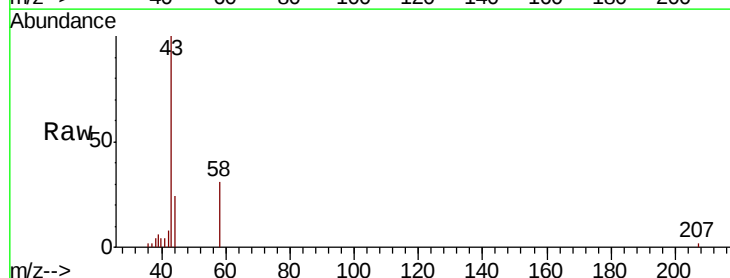
Acq: 18 Apr 2020 03:58

Tgt Ion: 43 Resp: 9242

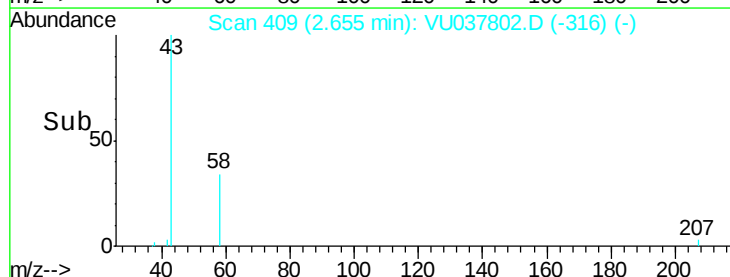
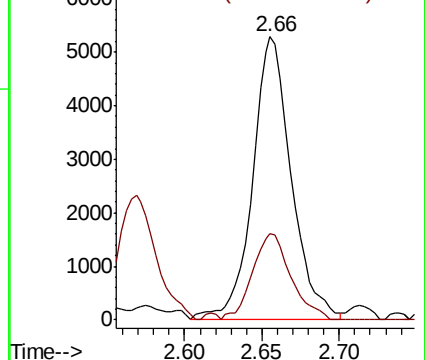
Ion Ratio Lower Upper

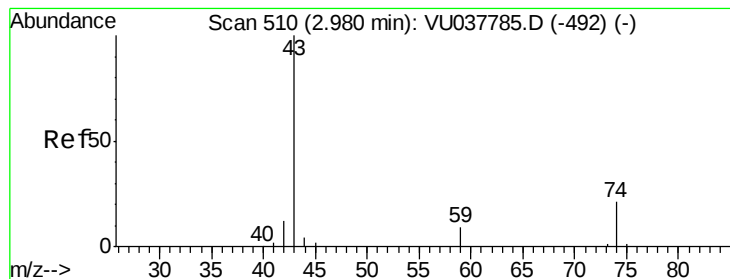
43 100

58 30.2 0.0 64.8



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





#15

Methvl Acetate

Concen: 2.958 ug/L

RT: 2.79 min Scan# 450

Delta R.T. -0.19 min

Lab File: VU037802.D

Acq: 18 Apr 2020 03:58

Instrument :

MSVOA_U

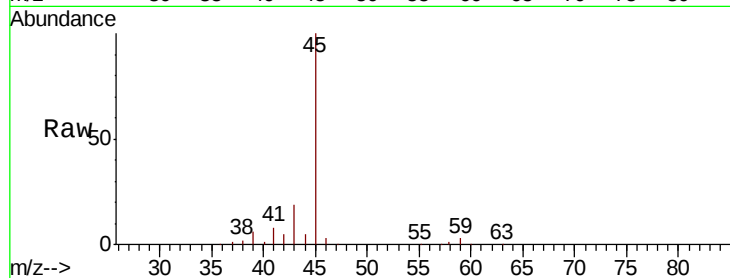
ClientSampleId :

Tot Ion: 43 Resp: 29872

Ion Ratio Lower Upper

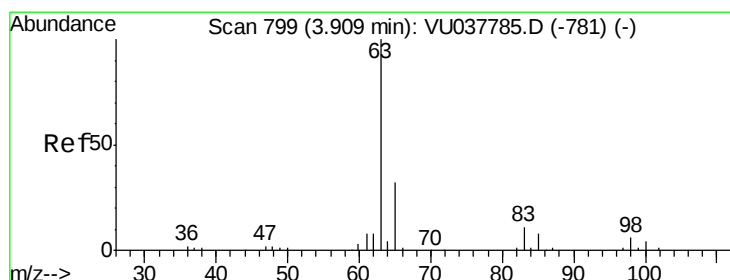
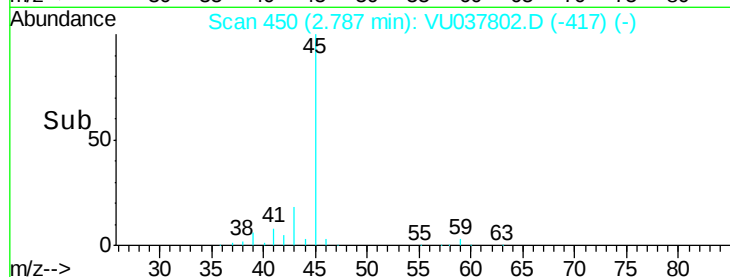
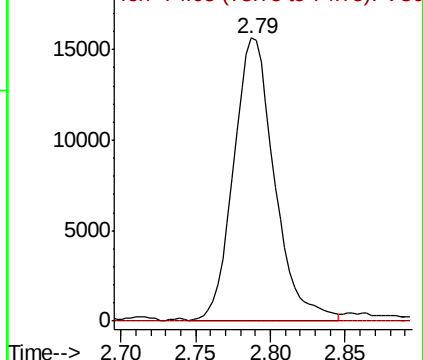
43 100

74 0.0 17.2 25.8#



Abundance Ion 43.05 (42.75 to 43.75): VU037785.D (-492) (-)

Ion 74.05 (73.75 to 74.75): VU037785.D (-492) (-)



#19

1,1-Dichloroethane

Concen: 0.086 ug/L

RT: 3.92 min Scan# 801

Delta R.T. 0.01 min

Lab File: VU037802.D

Acq: 18 Apr 2020 03:58

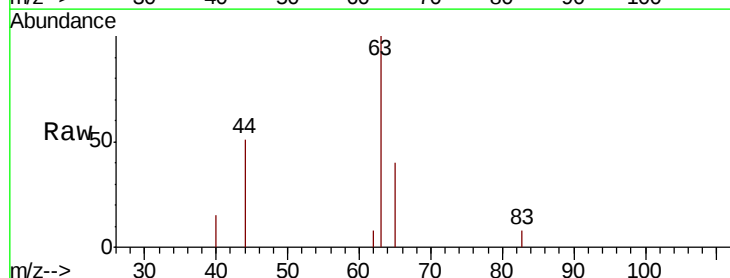
Tgt Ion: 63 Resp: 3300

Ion Ratio Lower Upper

63 100

65 39.9 21.6 40.2

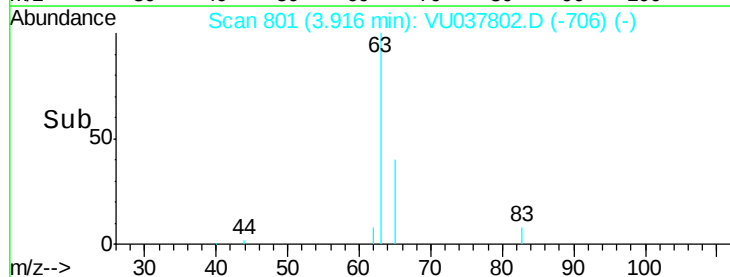
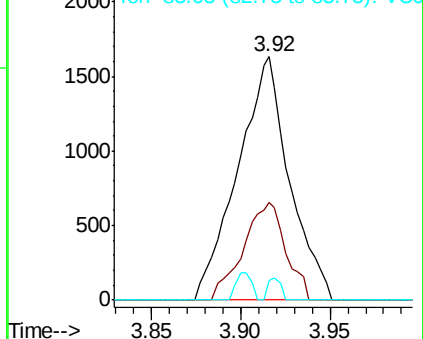
83 8.2 8.6 16.0#

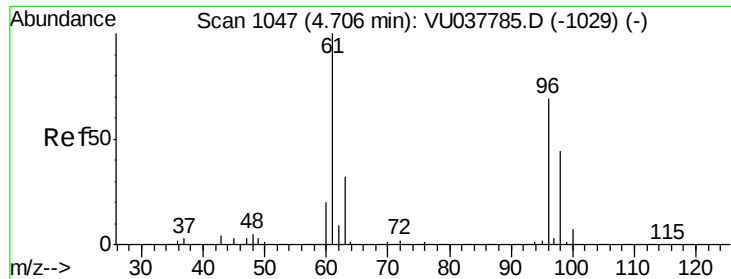


Abundance Ion 63.10 (62.80 to 63.80): VU037785.D (-781) (-)

Ion 65.10 (64.80 to 65.80): VU037785.D (-781) (-)

Ion 83.05 (82.75 to 83.75): VU037785.D (-781) (-)





#22

cis-1,2-Dichloroethene

Concen: 1.811 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037802.D

Acq: 18 Apr 2020 03:58

Instrument :

MSVOA_U

ClientSampleId :

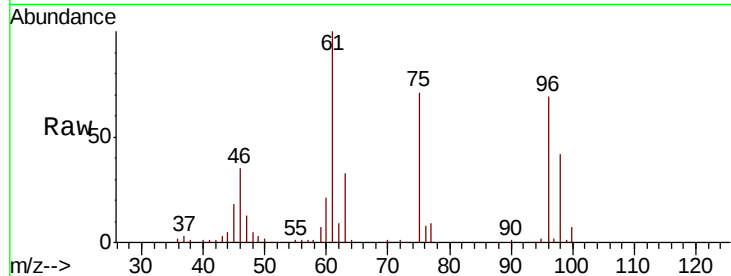
Tot Ion: 96 Resp: 38812

Ion Ratio Lower Upper

96 100

61 146.0 97.0 180.2

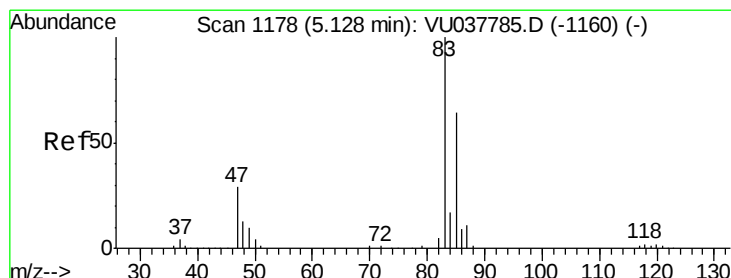
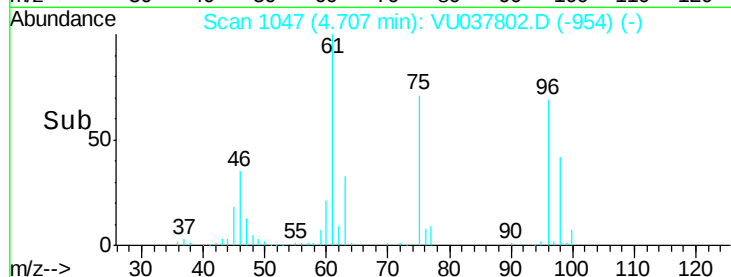
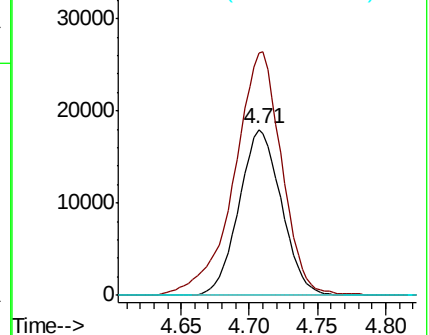
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037802.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU037802.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU037802.D (-954) (-)



#25

Chloroform

Concen: 0.188 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VU037802.D

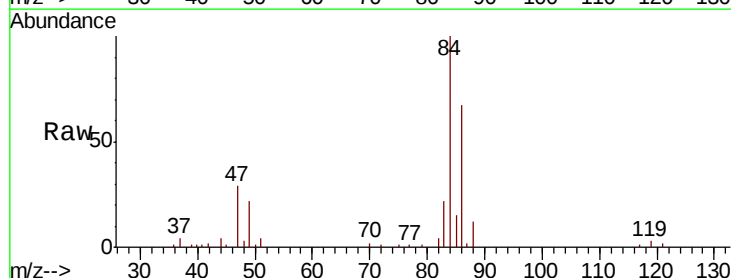
Acq: 18 Apr 2020 03:58

Tgt Ion: 83 Resp: 6864

Ion Ratio Lower Upper

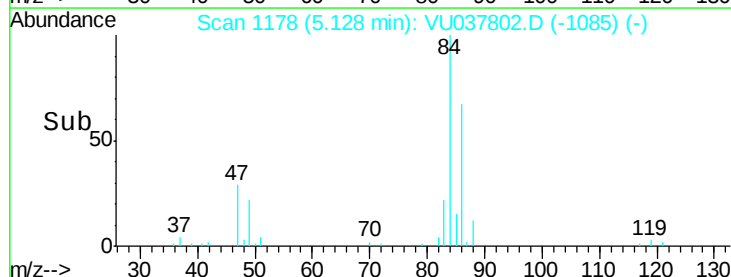
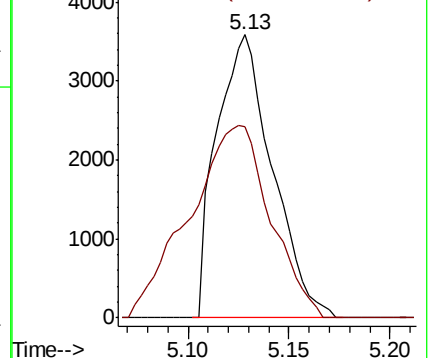
83 100

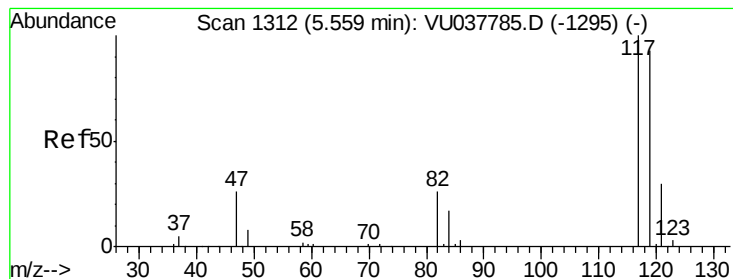
85 67.7 44.9 83.3



Abundance Ion 83.05 (82.75 to 83.75): VU037802.D (-1085) (-)

Ion 85.00 (84.70 to 85.70): VU037802.D (-1085) (-)





#31

Carbon tetrachloride

Concen: 0.186 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU037802.D

Acq: 18 Apr 2020 03:58

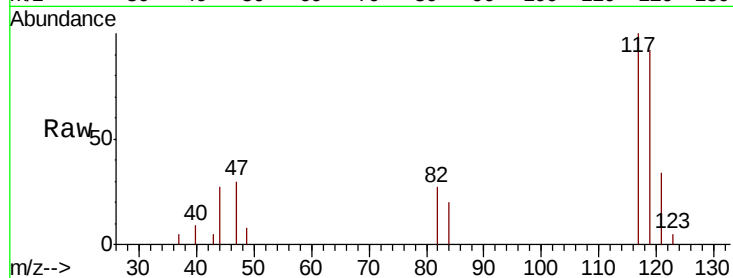
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 4612

Ion Ratio Lower Upper

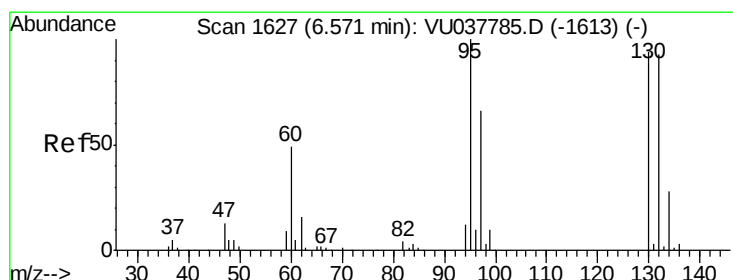
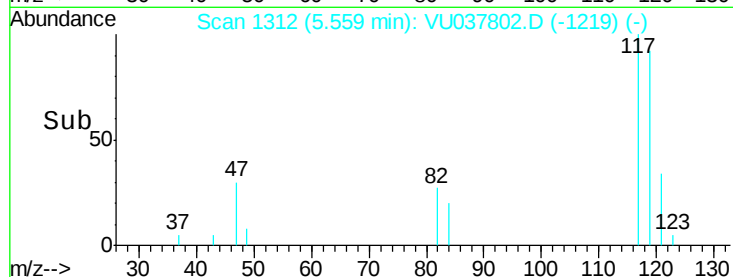
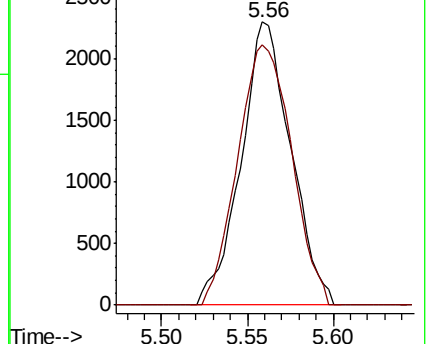
117 100

119 99.9 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 6.549 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU037802.D

Acq: 18 Apr 2020 03:58

Tgt Ion: 95 Resp: 136561

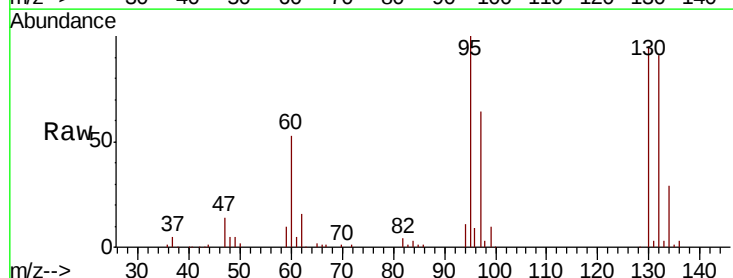
Ion Ratio Lower Upper

95 100

97 64.4 45.4 84.2

132 90.5 63.7 118.3

130 95.1 68.7 127.5

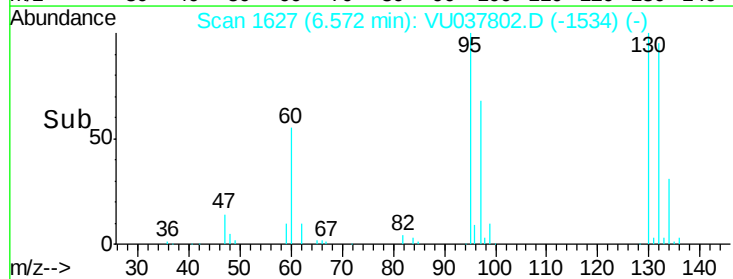
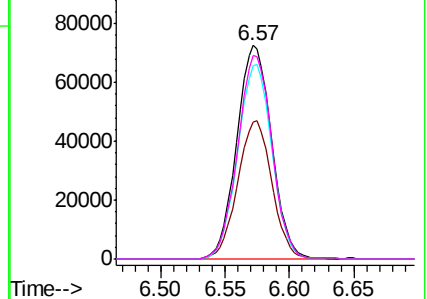


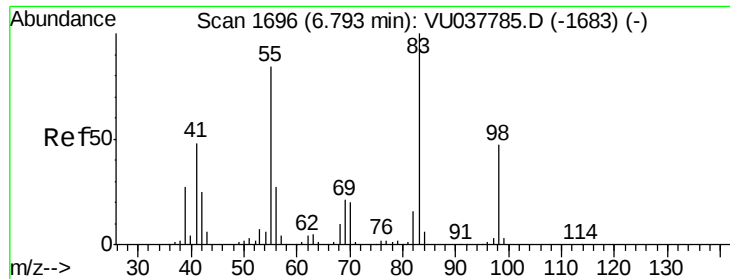
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

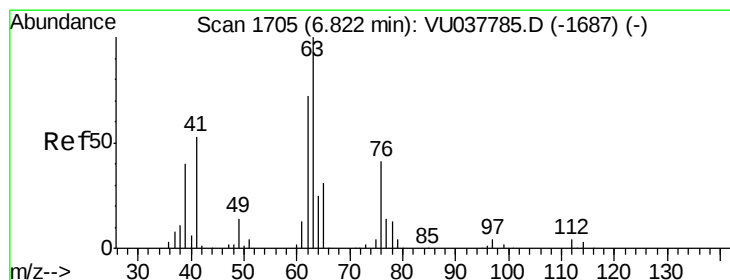
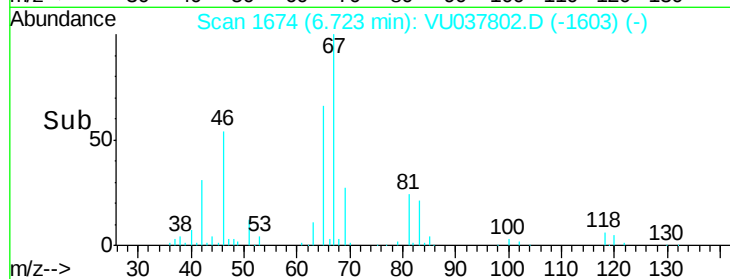
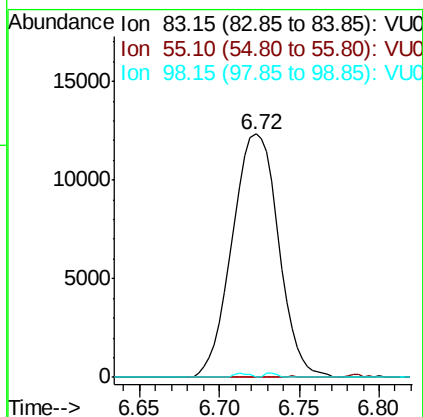
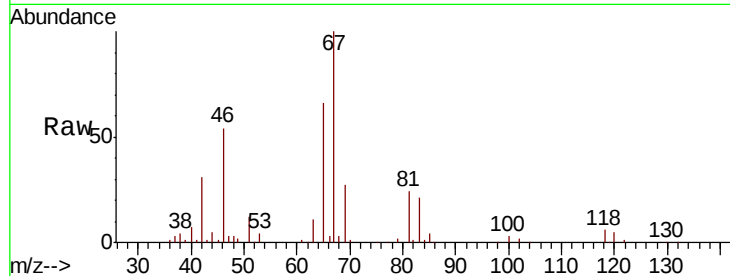




#35
Methvlcvclohexane
Concen: 0.669 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU037802.D
Acq: 18 Apr 2020 03:58

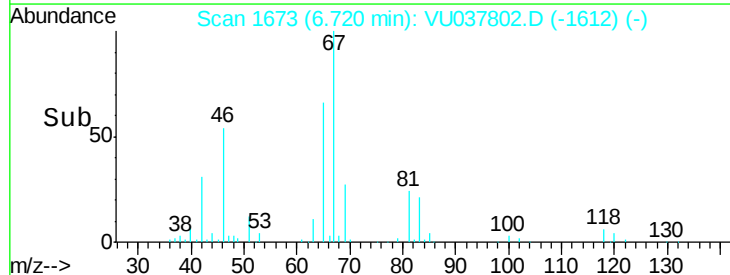
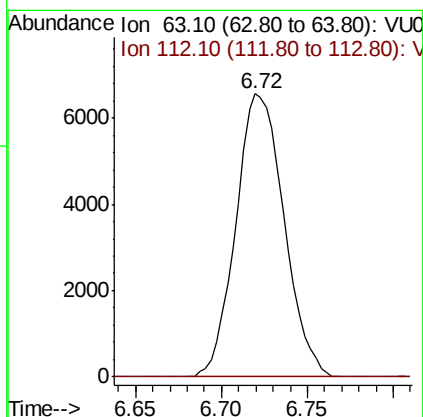
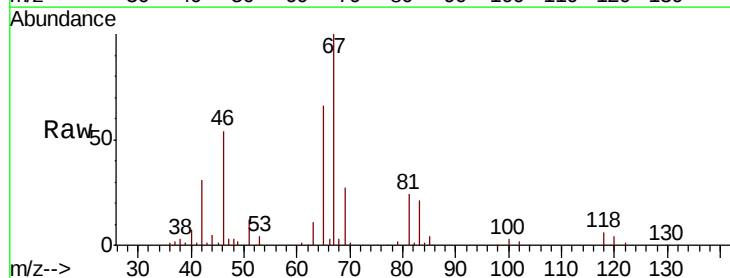
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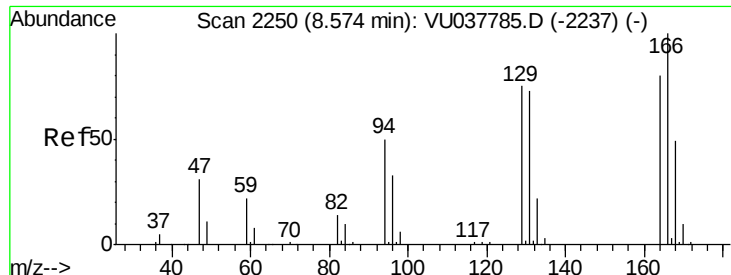
Tot Ion: 83 Resp: 24454
Ion Ratio Lower Upper
83 100
55 0.0 65.5 98.3#
98 0.5 38.2 57.4#



#37
1,2-Dichloropropane
Concen: 0.568 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU037802.D
Acq: 18 Apr 2020 03:58

Tgt Ion: 63 Resp: 12778
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#





#47

Tetrachloroethene

Concen: 0.505 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU037802.D

Acq: 18 Apr 2020 03:58

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 7572

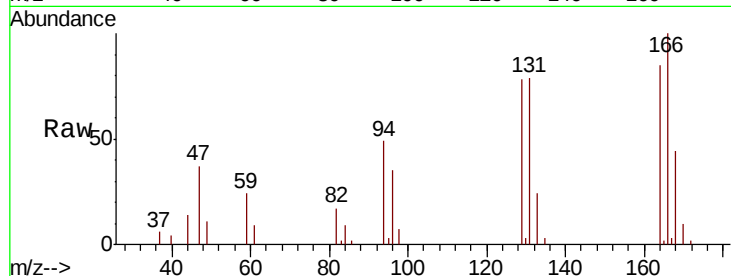
Ion Ratio Lower Upper

164 100

129 91.5 68.1 126.5

131 93.2 65.9 122.5

166 117.7 89.7 166.7

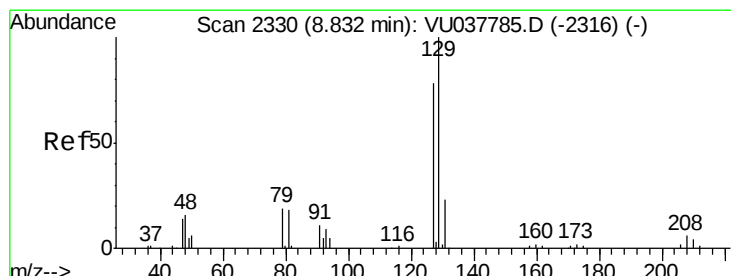
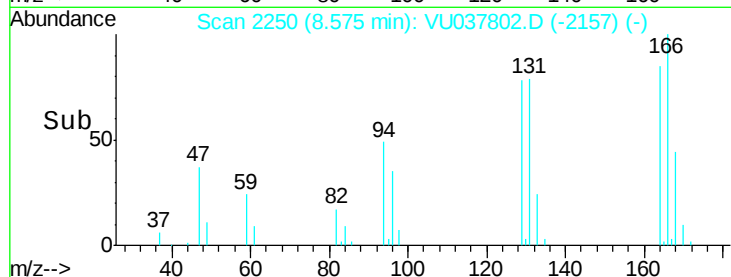
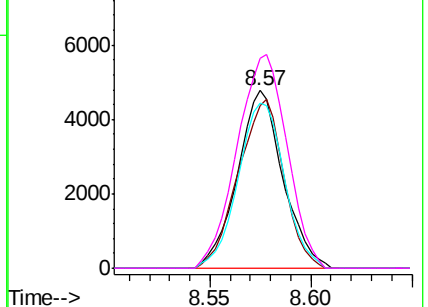


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.415 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. -0.25 min

Lab File: VU037802.D

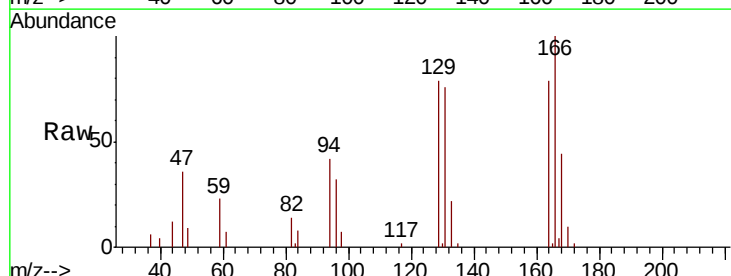
Acq: 18 Apr 2020 03:58

Tgt Ion:129 Resp: 7188

Ion Ratio Lower Upper

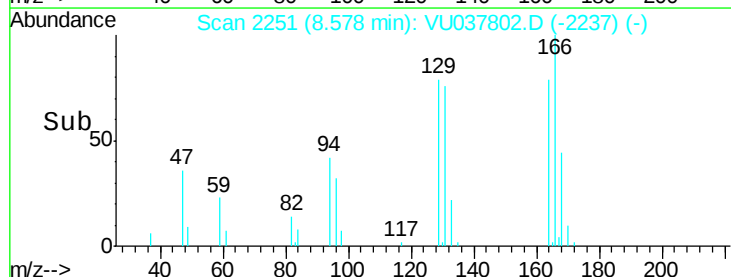
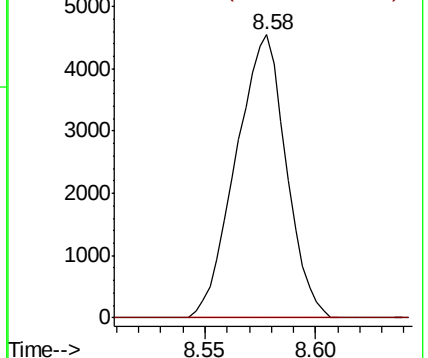
129 100

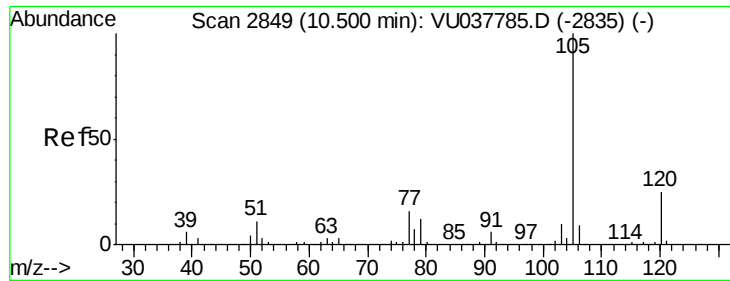
127 0.0 53.3 98.9#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#56

Isopropylbenzene

Concen: 0.090 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037802.D

Acq: 18 Apr 2020 03:58

Instrument :

MSVOA_U

ClientSampleId :

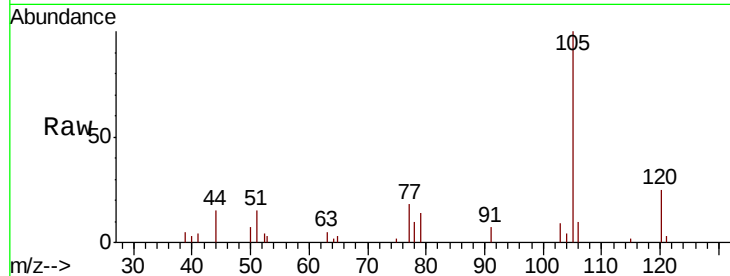
Tot Ion:105 Resp: 8707

Ion Ratio Lower Upper

105 100

120 26.5 20.6 31.0

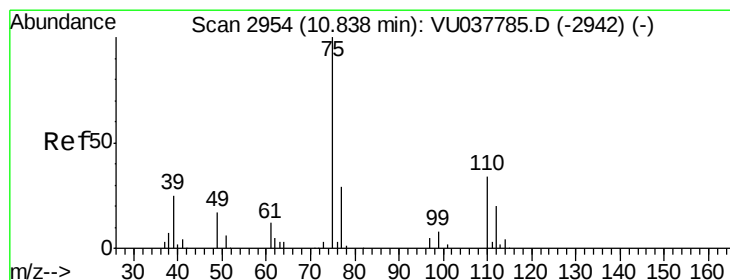
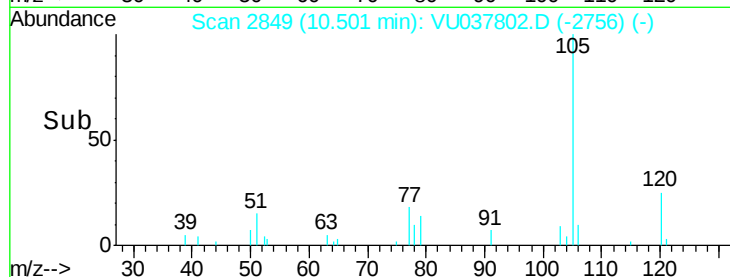
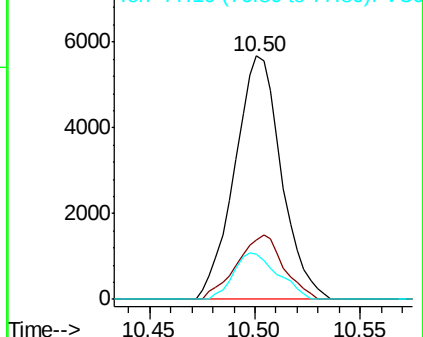
77 18.1 13.2 19.8



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: 1.183 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.99 min

Lab File: VU037802.D

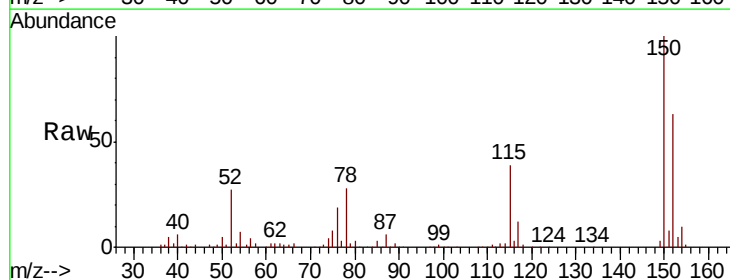
Acq: 18 Apr 2020 03:58

Tgt Ion: 75 Resp: 17419

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

