

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041720\
 Data File : VU037797.D
 Acq On : 18 Apr 2020 01:54
 Operator : JC/MD
 Sample : L2319-09
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AE1

Quant Time: Apr 20 11:42:14 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	276268	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	268062	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	129261	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	74746	3.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.40%
7) Chloroethane-d5	1.93	69	73651	4.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.40%
11) 1,1-Dichloroethene-d2	2.59	63	109120	2.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.80%#
20) 2-Butanone-d5	4.66	46	303332	52.83	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.66%
24) Chloroform-d	5.10	84	154065	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.74	65	93423	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	5.76	84	318308	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
36) 1,2-Dichloropropane-d6	6.72	67	110250	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.60%
41) Toluene-d8	7.92	98	281663	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
43) trans-1,3-Dichloropropene-	8.20	79	44445	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	8.65	63	257086	47.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.86%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	85996	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	106913	4.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.80%

Target Compounds

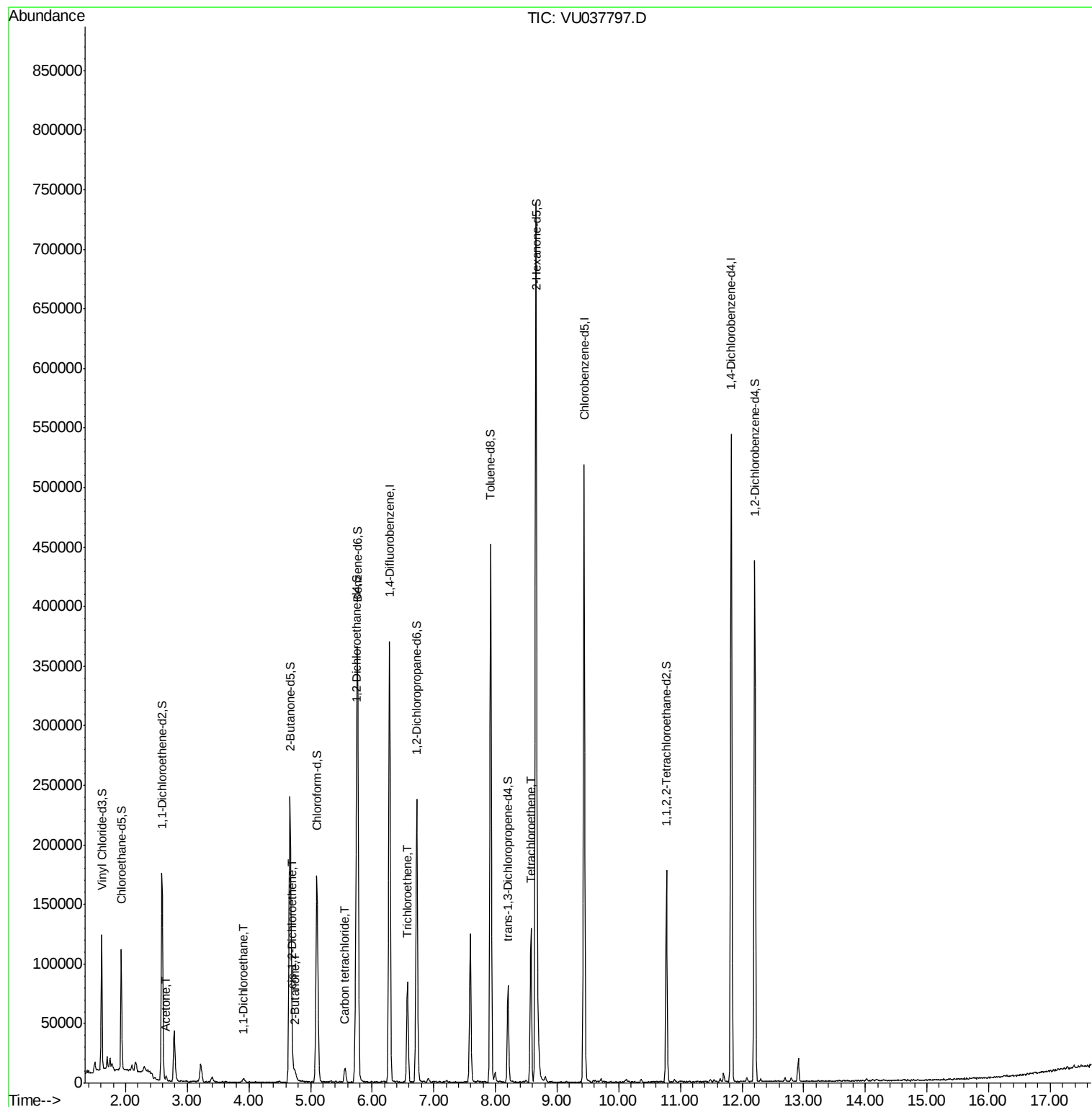
					Ovalue
13) Acetone	2.66	43	4580	1.210 ug/L	99
19) 1,1-Dichloroethane	3.91	63	3795	0.095 ug/L	92
21) 2-Butanone	4.75	43	10213	1.485 ug/L	100
22) cis-1,2-Dichloroethene	4.71	96	2982	0.134 ug/L	90
31) Carbon tetrachloride	5.56	117	7858	0.303 ug/L	95
34) Trichloroethene	6.57	95	27760	1.275 ug/L	92
47) Tetrachloroethene	8.57	164	27683	1.770 ug/L	95

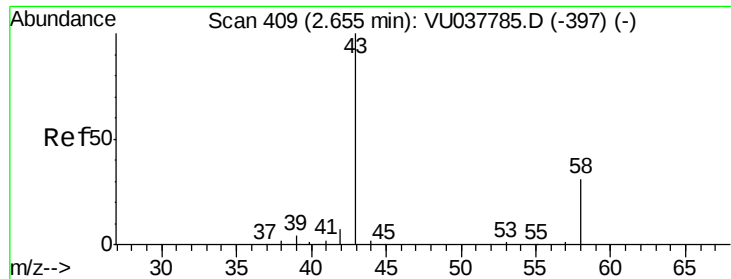
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 18 05:19:30 2020
Response via : Initial Calibration





#13

Acetone

Concen: 1.210 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037797.D

Acq: 18 Apr 2020 01:54

Instrument :

MSVOA_U

ClientSampleId :

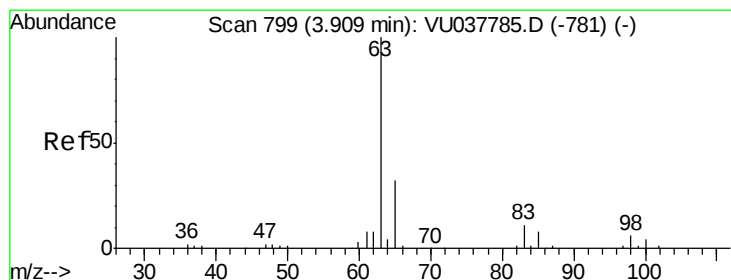
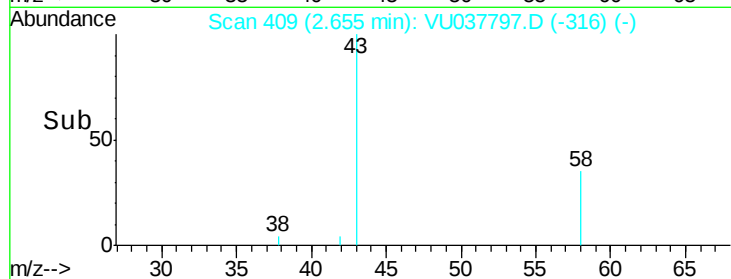
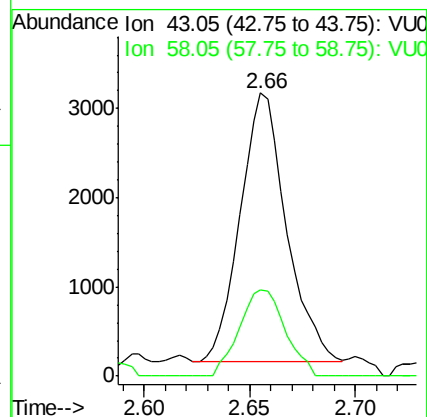
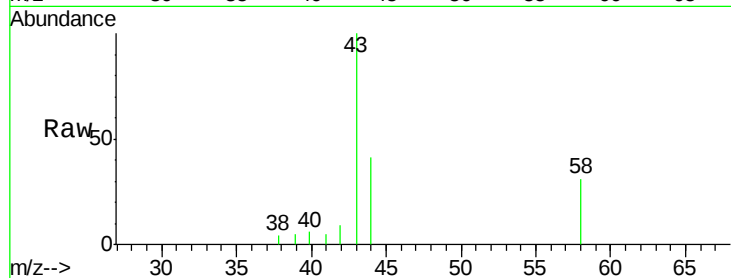
C0AE1

Tot Ion: 43 Resp: 4580

Ion Ratio Lower Upper

43 100

58 31.9 0.0 64.8



#19

1,1-Dichloroethane

Concen: 0.095 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU037797.D

Acq: 18 Apr 2020 01:54

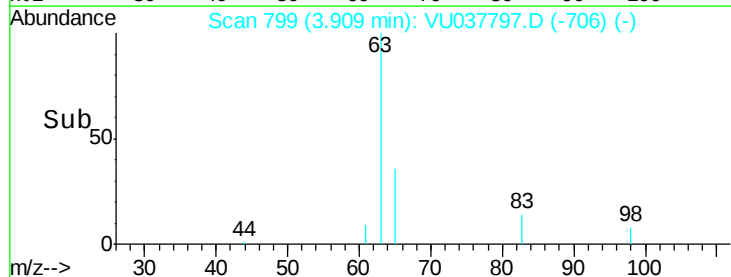
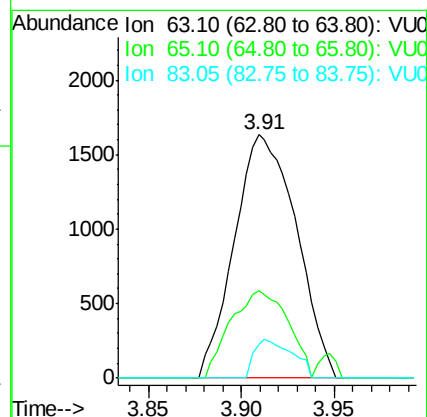
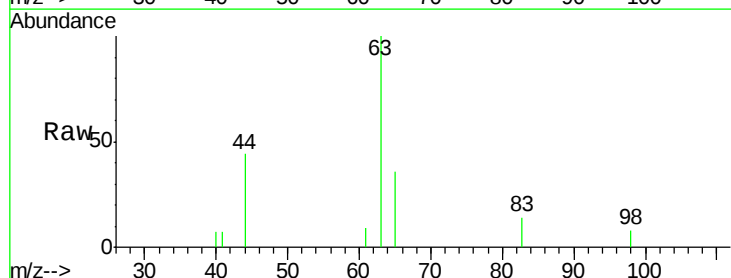
Tgt Ion: 63 Resp: 3795

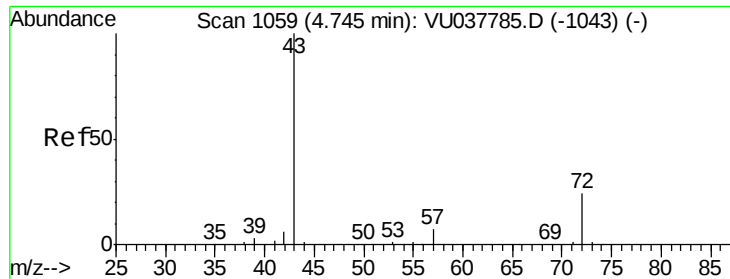
Ion Ratio Lower Upper

63 100

65 36.2 21.6 40.2

83 13.7 8.6 16.0





#21

2-Butanone

Concen: 1.485 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VU037797.D

Acq: 18 Apr 2020 01:54

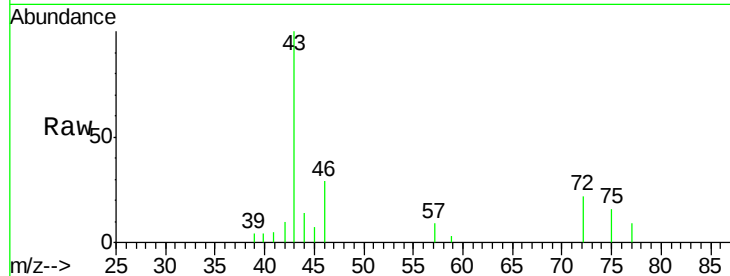
Instrument :
MSVOA_U
ClientSampled :
C0AE1

Tot Ion: 43 Resp: 10213

Ion Ratio Lower Upper

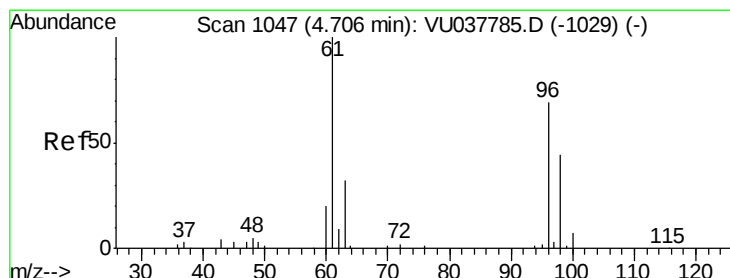
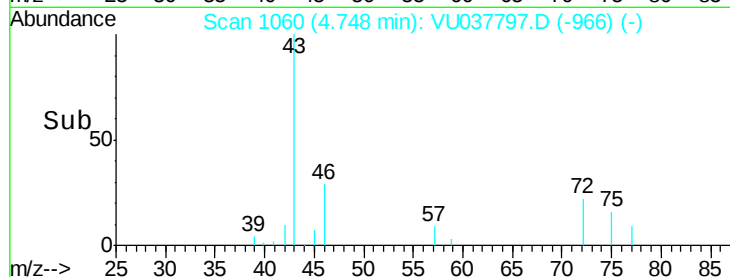
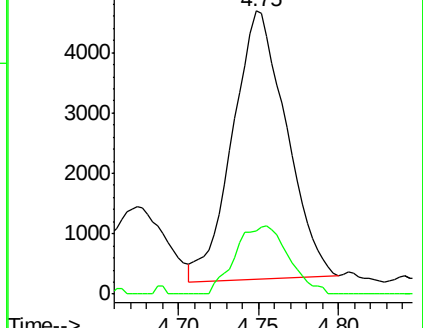
43 100

72 25.2 12.6 37.6



Abundance Ion 43.05 (42.75 to 43.75): VU037797.D (-966) (-)

Ion 72.10 (71.80 to 72.80): VU037797.D (-966) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.134 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. 0.01 min

Lab File: VU037797.D

Acq: 18 Apr 2020 01:54

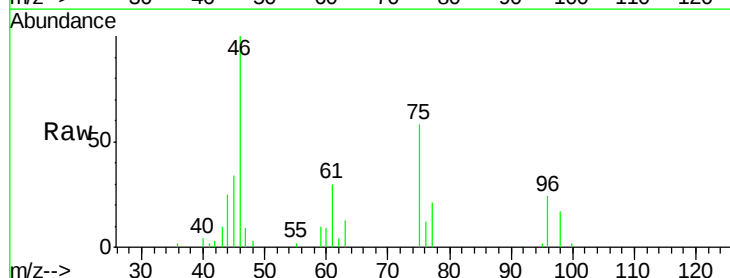
Tgt Ion: 96 Resp: 2982

Ion Ratio Lower Upper

96 100

61 126.2 97.0 180.2

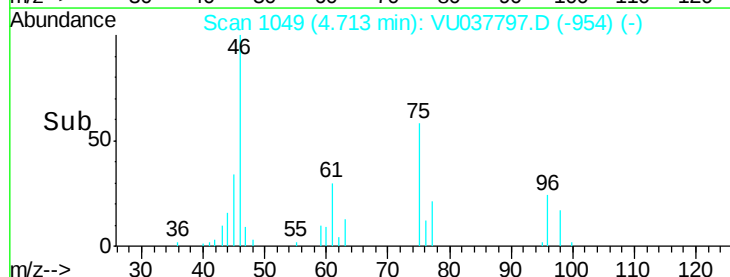
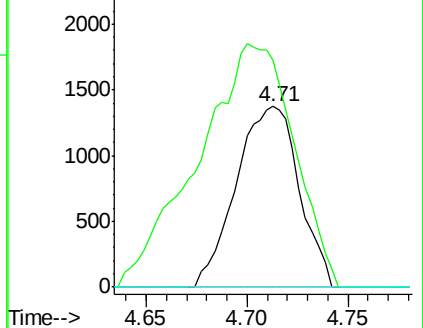
68 0.0 0.0 0.0

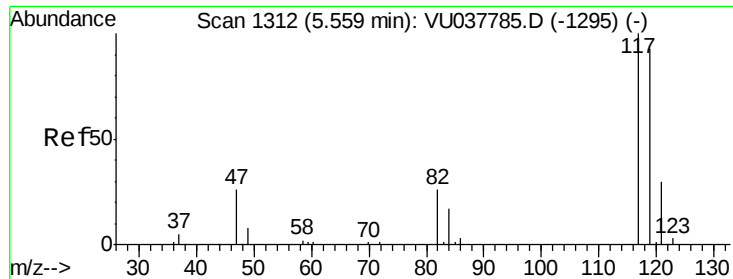


Abundance Ion 96.00 (95.70 to 96.70): VU037797.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU037797.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU037797.D (-954) (-)





#31

Carbon tetrachloride

Concen: 0.303 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037797.D

Acq: 18 Apr 2020 01:54

Instrument :

MSVOA_U

ClientSampleId :

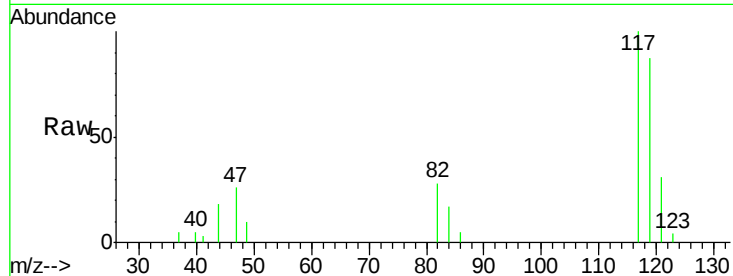
C0AE1

Tot Ion:117 Resp: 7858

Ion Ratio Lower Upper

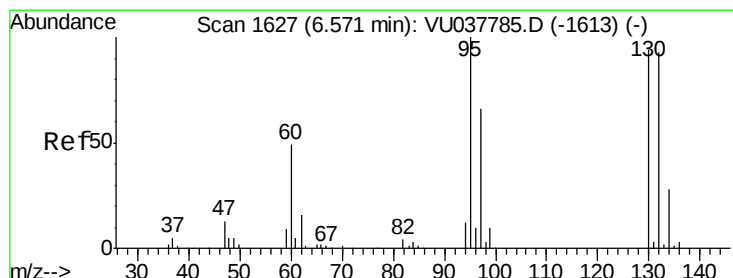
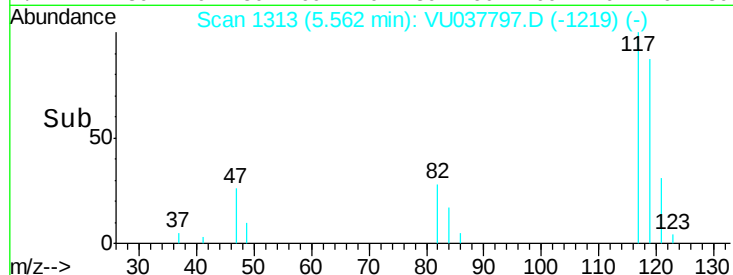
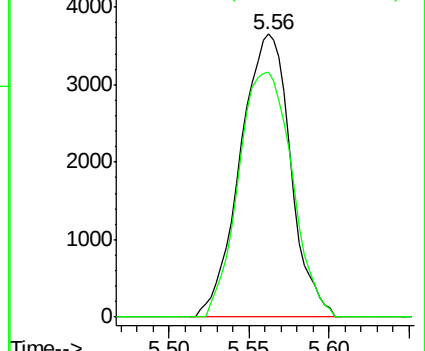
117 100

119 92.0 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: 1.275 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU037797.D

Acq: 18 Apr 2020 01:54

Tgt Ion: 95 Resp: 27760

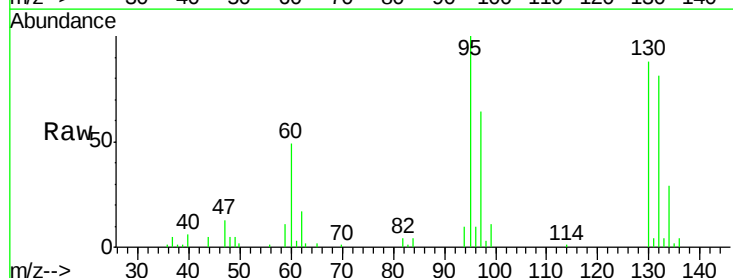
Ion Ratio Lower Upper

95 100

97 63.8 45.4 84.2

132 81.1 63.7 118.3

130 88.4 68.7 127.5

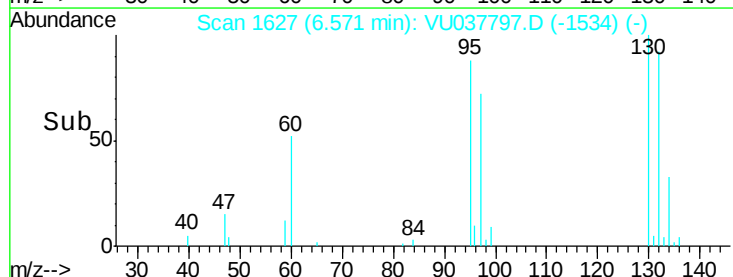
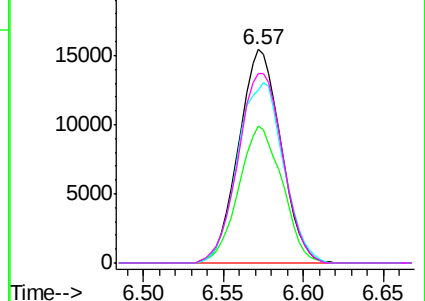


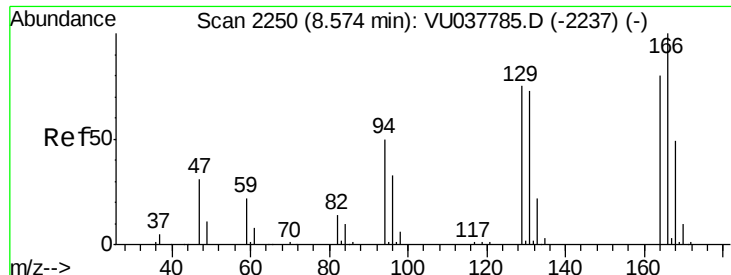
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#47

Tetrachloroethene

Concen: 1.770 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU037797.D

Acq: 18 Apr 2020 01:54

Instrument :

MSVOA_U

ClientSampleId :

C0AE1

Tot Ion:164 Resp: 27683

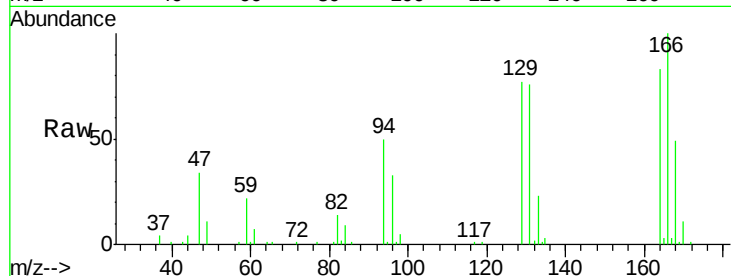
Ion Ratio Lower Upper

164 100

129 92.4 68.1 126.5

131 91.9 65.9 122.5

166 120.3 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

