

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 :
 C0AE4

Quant Time: Apr 20 11:44:58 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

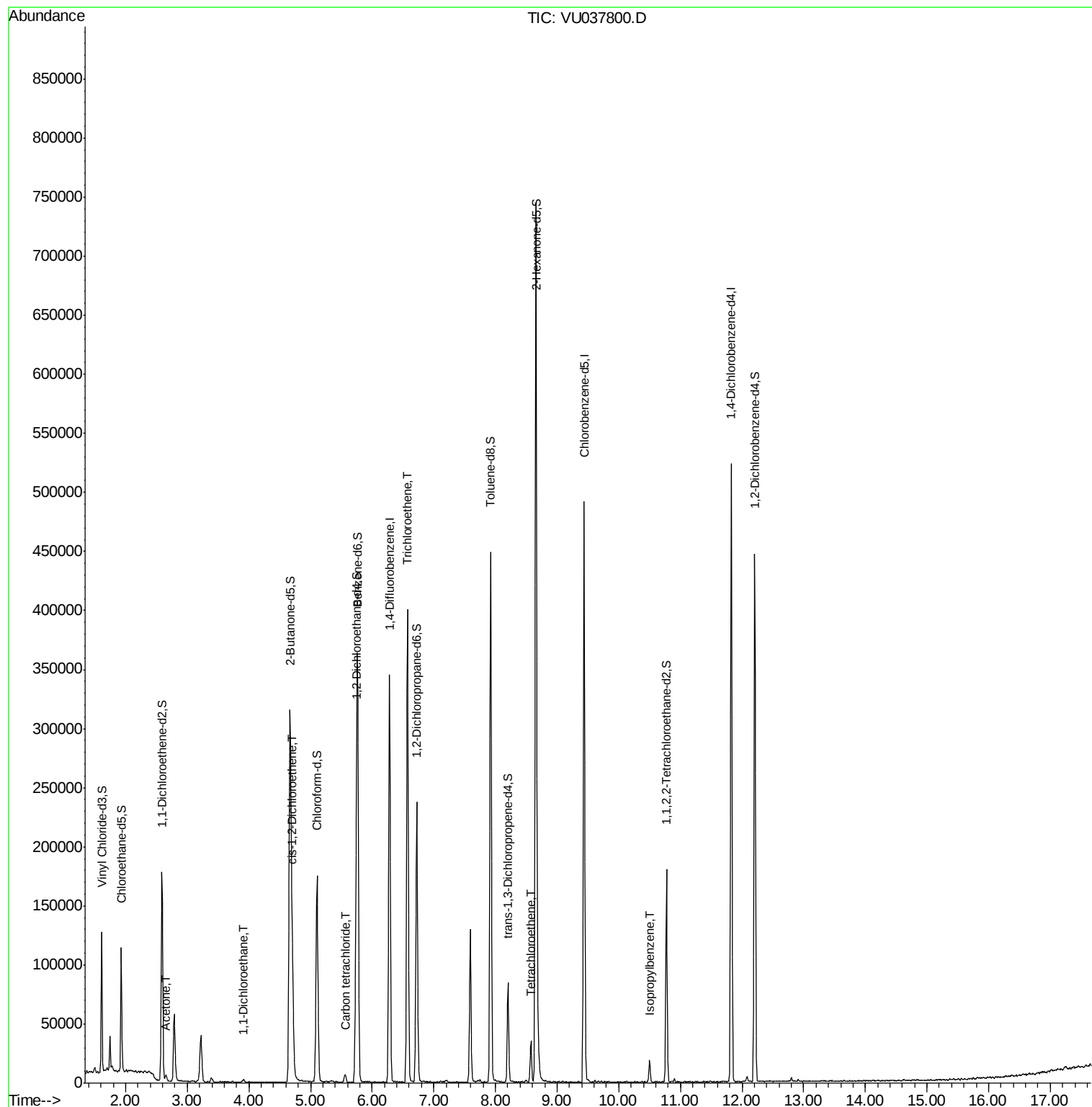
					Ovalue
13) Acetone	2.65	43	6784	1.902	ug/L 91
19) 1,1-Dichloroethane	3.92	63	3160	0.084	ug/L 88
22) cis-1,2-Dichloroethene	4.71	96	38660	1.837	ug/L 88
31) Carbon tetrachloride	5.56	117	4265	0.174	ug/L 100
34) Trichloroethene	6.57	95	132825	6.436	ug/L 98
47) Tetrachloroethene	8.57	164	7609	0.513	ug/L 97
56) Isopropylbenzene	10.50	105	12259	0.128	ug/L 98

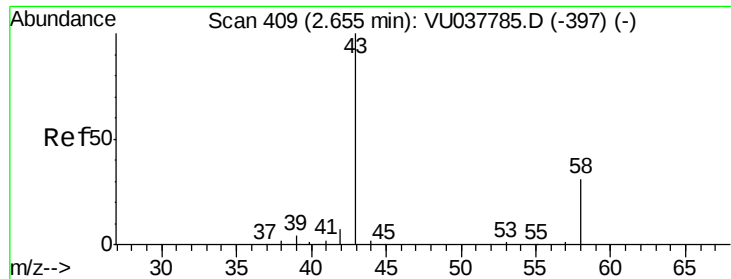
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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

Instrument :

MSVOA_U

ClientSampled :

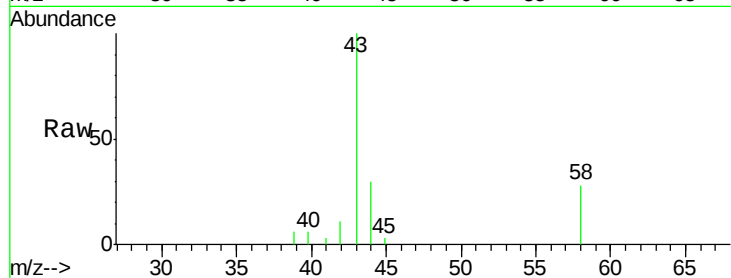
C0AE4

Tot 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) (-)

2.65

4000

3000

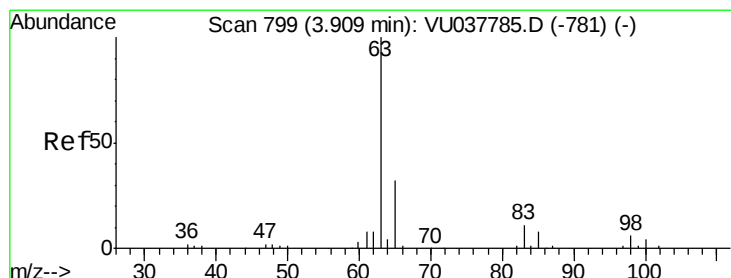
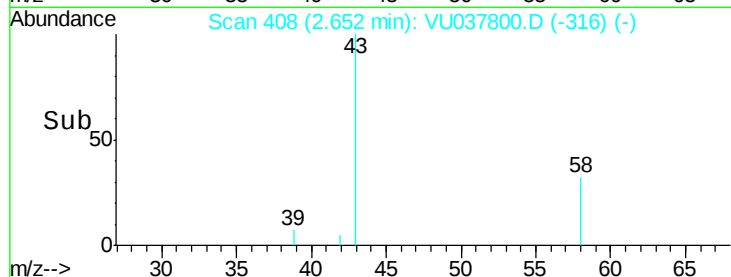
2000

1000

0

2.60 2.65 2.70

Time-->



#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

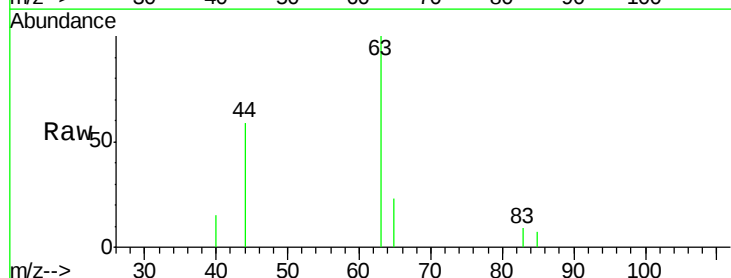
Tgt Ion: 63 Resp: 3160

Ion Ratio Lower Upper

63 100

65 23.1 21.6 40.2

83 9.4 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) (-)

2000

1500

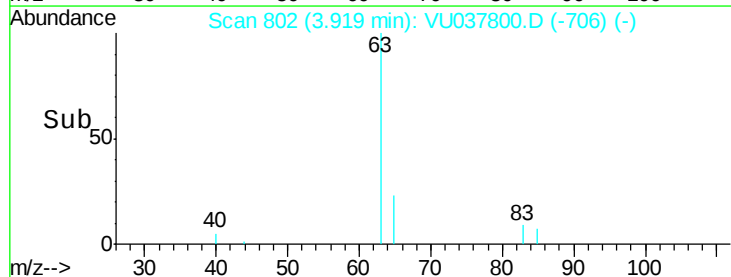
1000

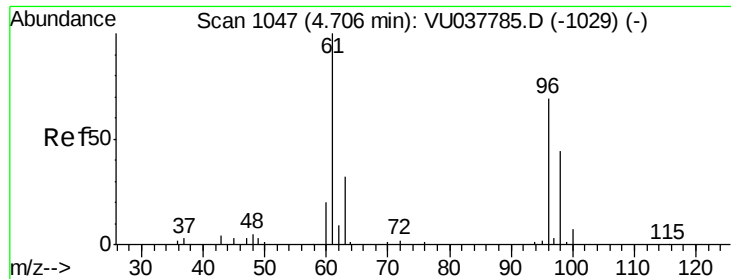
500

0

3.85 3.90 3.95

Time-->

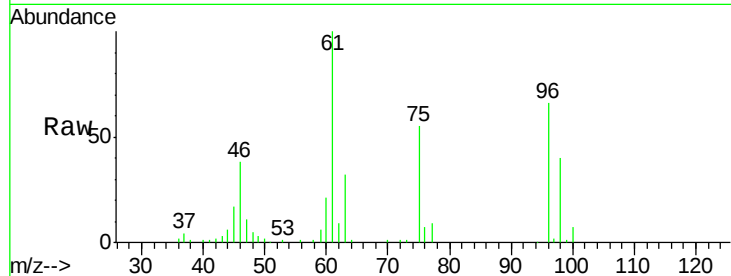




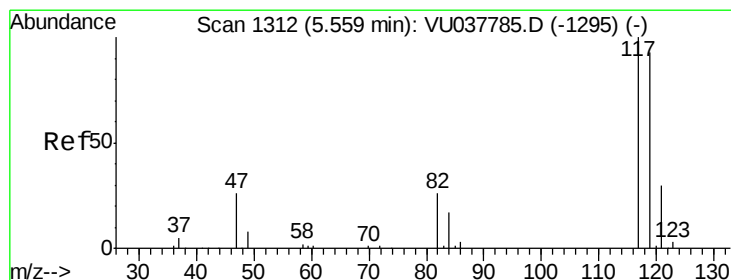
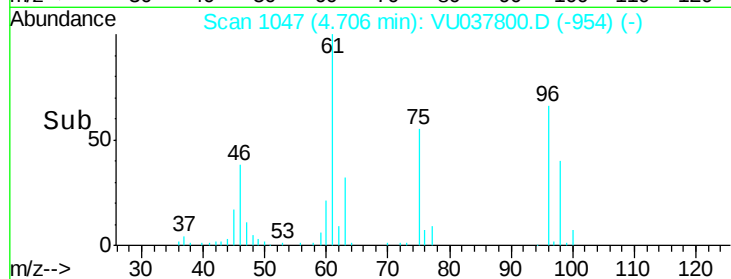
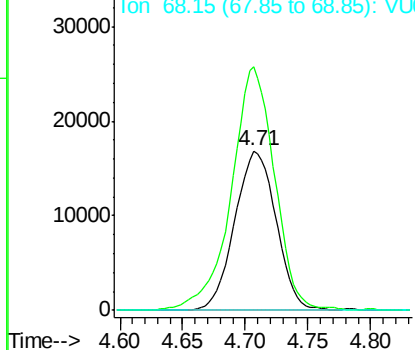
#22
 cis-1,2-Dichloroethene
 Concen: 1.837 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU037800.D
 Acq: 18 Apr 2020 03:09

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AE4

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

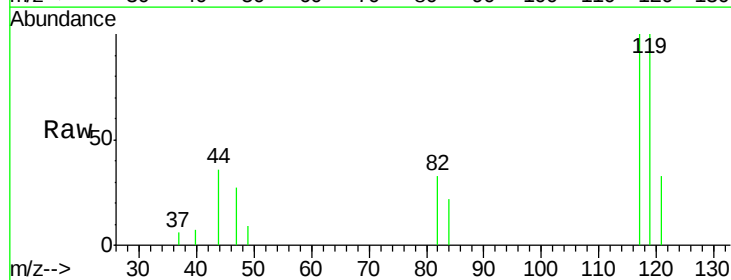


Abundance Ion 96.00 (95.70 to 96.70): VU037785.D (-1029) (-)
 Ion 61.05 (60.75 to 61.75): VU037785.D (-1029) (-)
 Ion 68.15 (67.85 to 68.85): VU037785.D (-1029) (-)

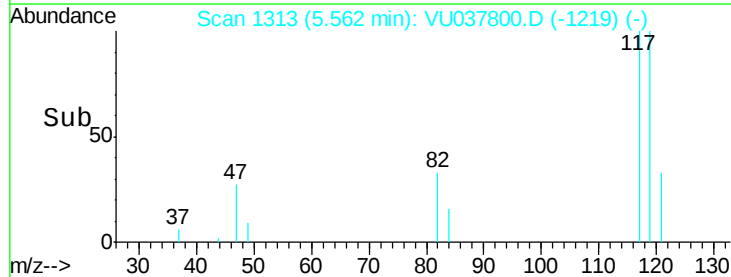
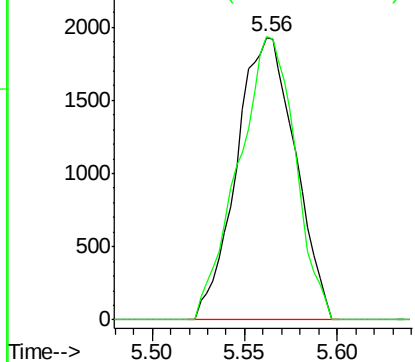


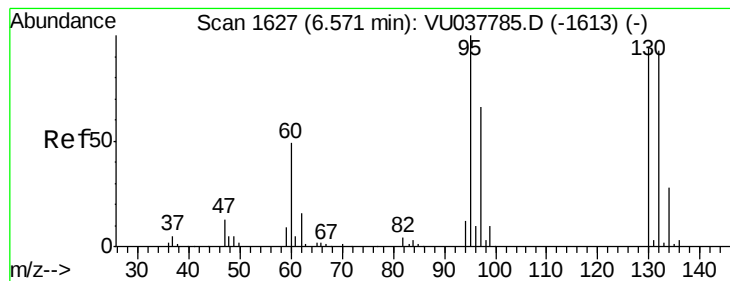
#31
 Carbon tetrachloride
 Concen: 0.174 ug/L
 RT: 5.56 min Scan# 1313
 Delta R.T. 0.00 min
 Lab File: VU037800.D
 Acq: 18 Apr 2020 03:09

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



Abundance Ion 116.90 (116.60 to 117.60): VU037785.D (-1295) (-)
 Ion 118.90 (118.60 to 119.60): VU037785.D (-1295) (-)





#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 :

C0AE4

Tot Ion: 95 Resp: 132825

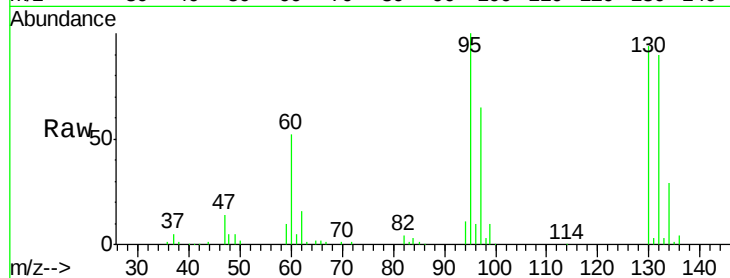
Ion Ratio Lower Upper

95 100

97 65.4 45.4 84.2

132 90.4 63.7 118.3

130 94.2 68.7 127.5

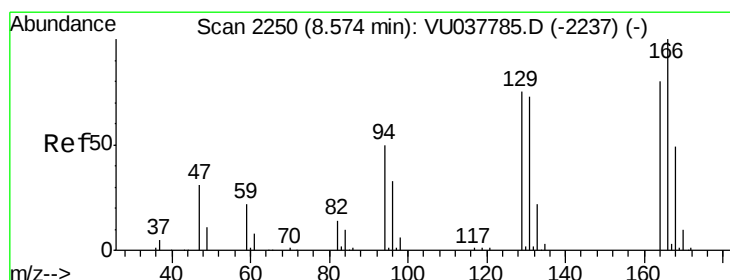
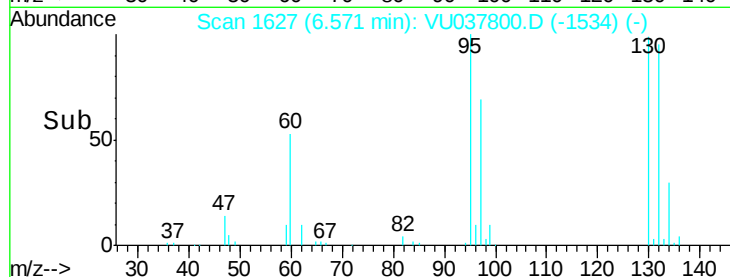
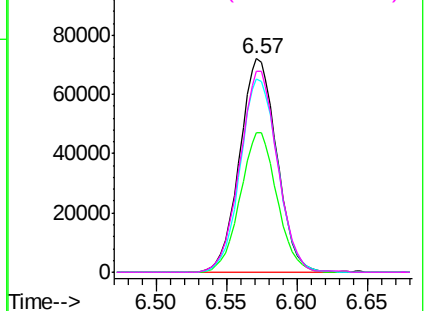


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#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

Tgt Ion:164 Resp: 7609

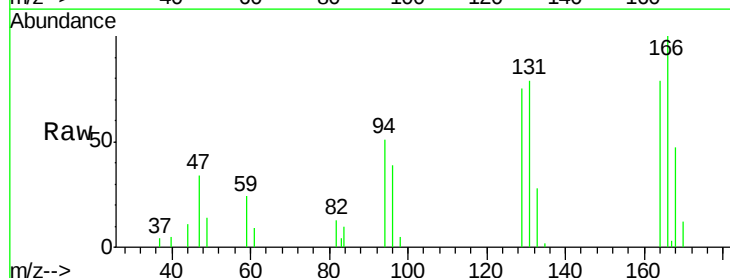
Ion Ratio Lower Upper

164 100

129 94.6 68.1 126.5

131 100.5 65.9 122.5

166 126.5 89.7 166.7

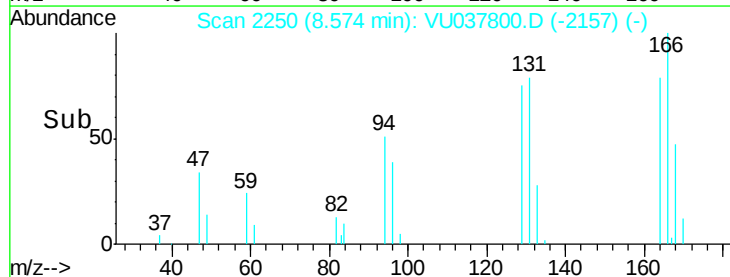
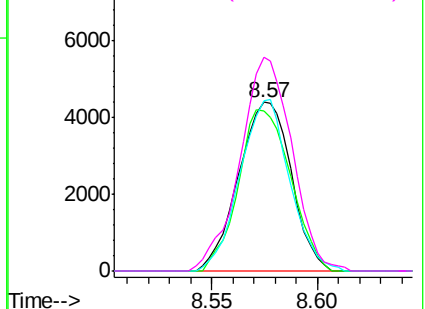


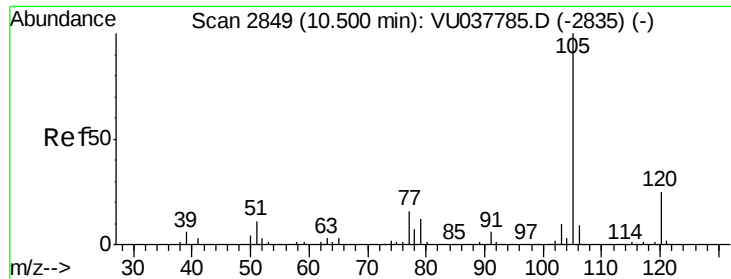
Abundance Ion 163.90 (163.60 to 164.60): V

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





#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 :

C0AE4

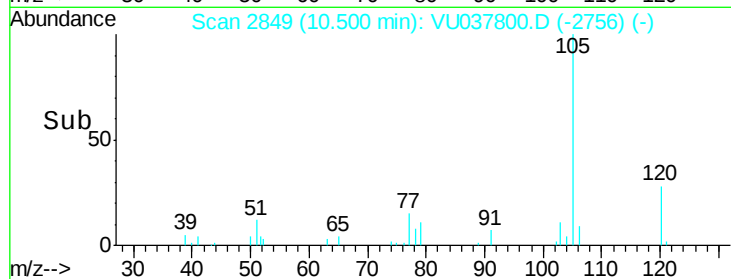
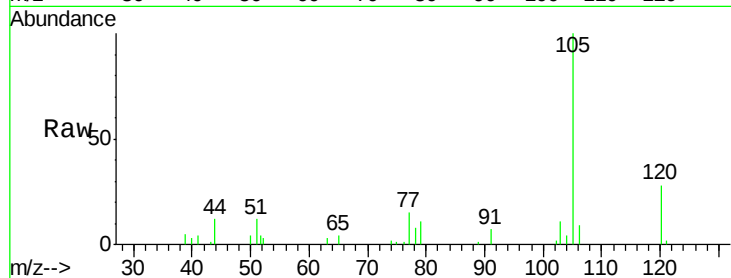
Tot Ion:105 Resp: 12259

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): VU0

