

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080720\
 Data File : VU039785.D
 Acq On : 07 Aug 2020 14:30
 Operator : SY/MD
 Sample : L3572-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2L81

Quant Time: Aug 08 04:25:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 08 03:30:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	71807	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	67923	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	31195	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	17159	4.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.60%
7) Chloroethane-d5	1.92	69	17266	4.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.40%
11) 1,1-Dichloroethene-d2	2.57	63	24181	3.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.00%
20) 2-Butanone-d5	4.67	46	92244	54.09	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.18%
24) Chloroform-d	5.08	84	45078	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	5.72	65	28054	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.74	84	76010	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.70	67	27930	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.91	98	56355	3.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.60%
43) trans-1,3-Dichloropropene-	8.19	79	8644	4.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.40%
46) 2-Hexanone-d5	8.64	63	63208	55.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.10%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	26209	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	27786	5.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.00%

Target Compounds

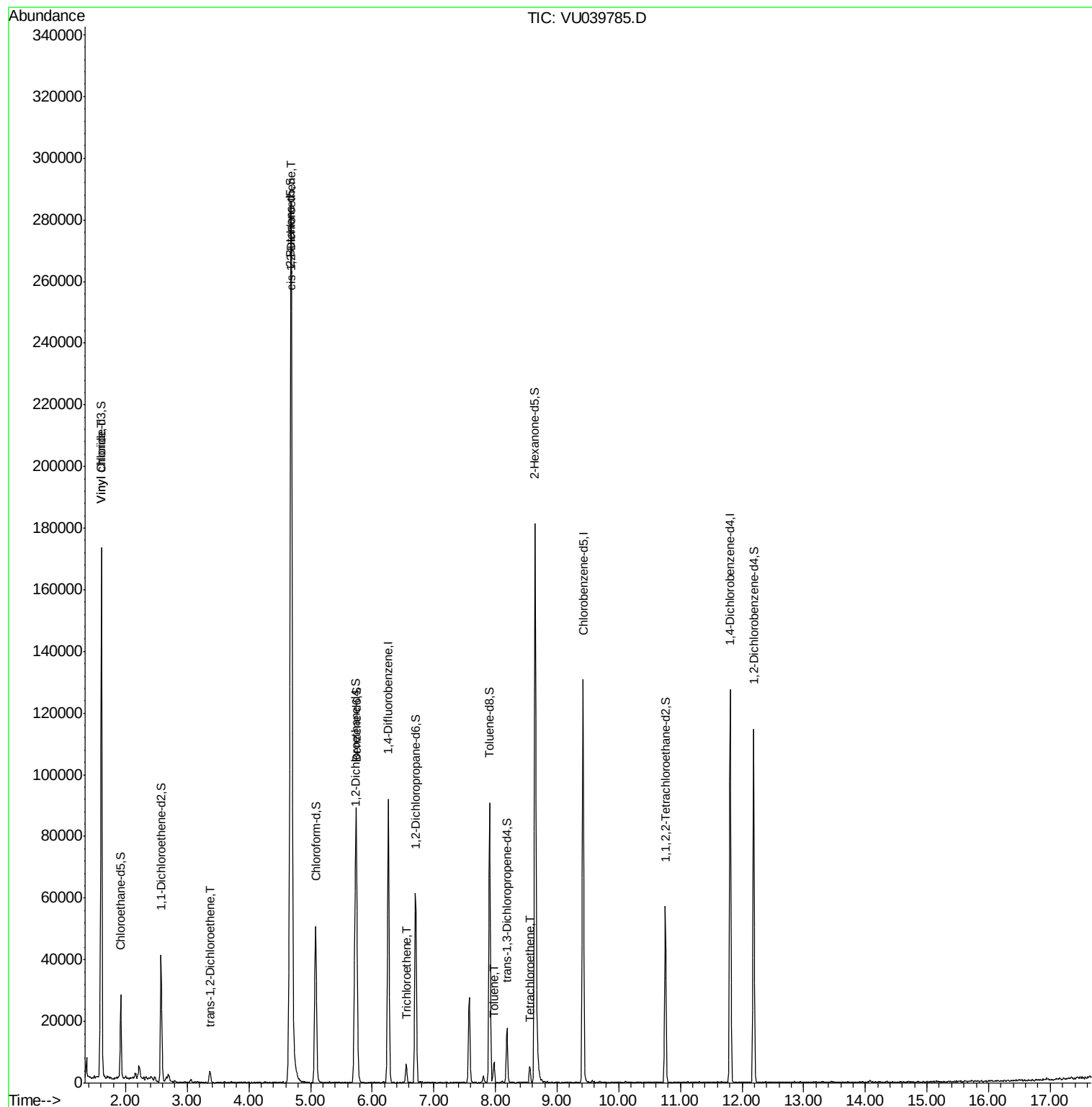
					Ovalue
5) Vinyl chloride	1.61	62	97087	16.629	ug/L 95
18) trans-1,2-Dichloroethene	3.37	96	1744	0.366	ug/L 82
22) cis-1,2-Dichloroethene	4.69	96	130742	25.207	ug/L 99
34) Trichloroethene	6.55	95	1979	0.412	ug/L 93
42) Toluene	7.97	91	5091	0.262	ug/L 95
47) Tetrachloroethene	8.56	164	1122	0.283	ug/L 88

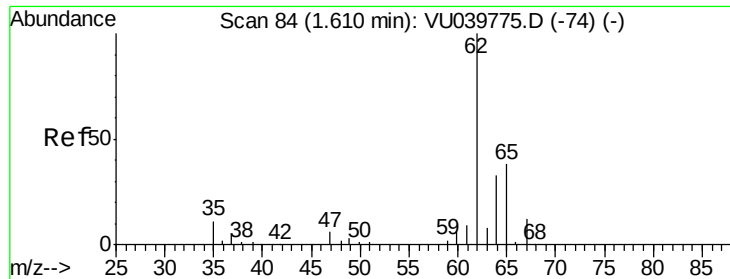
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 16.629 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039785.D

Acq: 07 Aug 2020 14:30

Instrument :

MSVOA_U

ClientSampled :

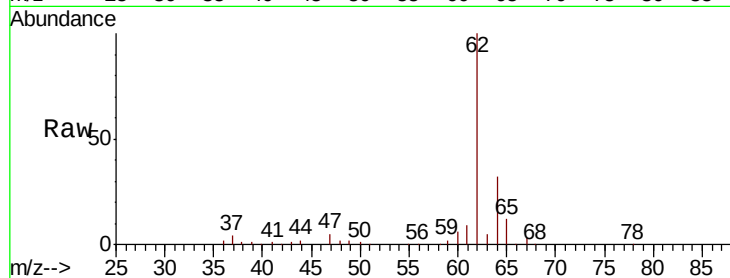
F2L81

Tot Ion: 62 Resp: 97087

Ion Ratio Lower Upper

62 100

64 31.6 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

80000

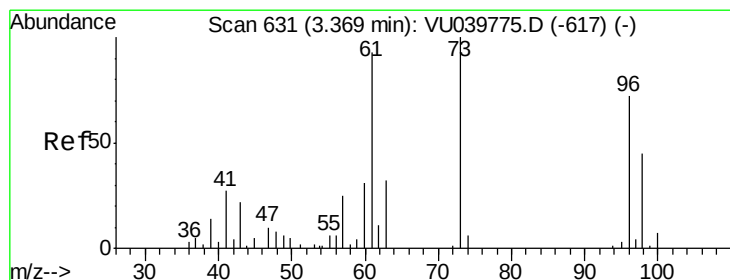
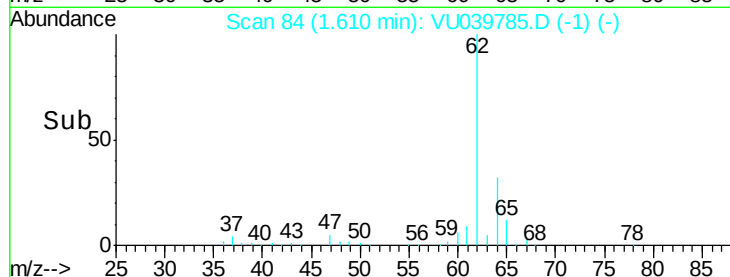
60000

40000

20000

0

Time-->



#18

trans-1,2-Dichloroethene

Concen: 0.366 ug/L

RT: 3.37 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU039785.D

Acq: 07 Aug 2020 14:30

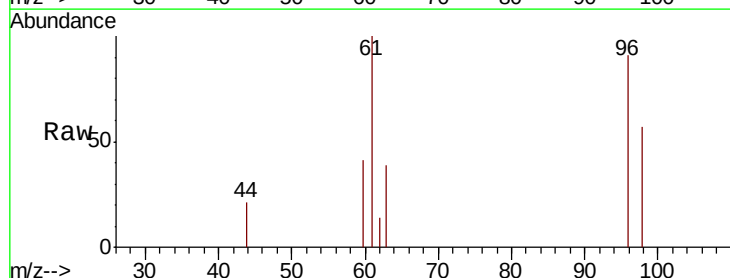
Tgt Ion: 96 Resp: 1744

Ion Ratio Lower Upper

96 100

61 110.1 96.5 179.1

98 62.5 40.9 76.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0

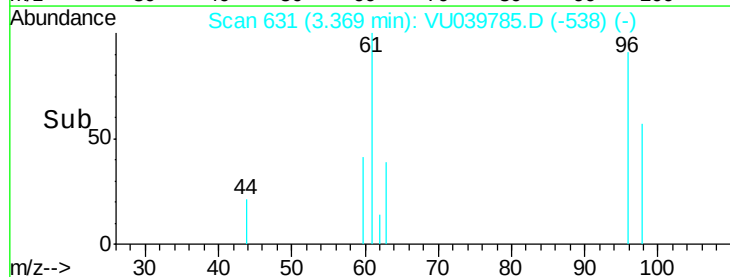
1500

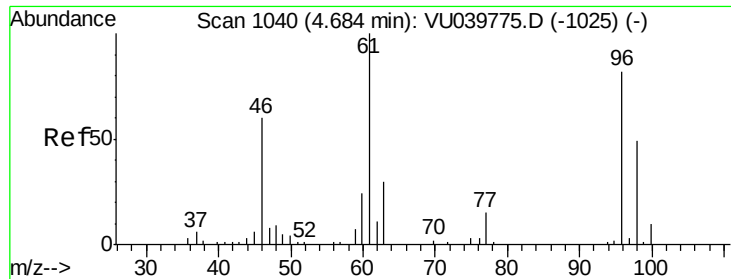
1000

500

0

Time-->

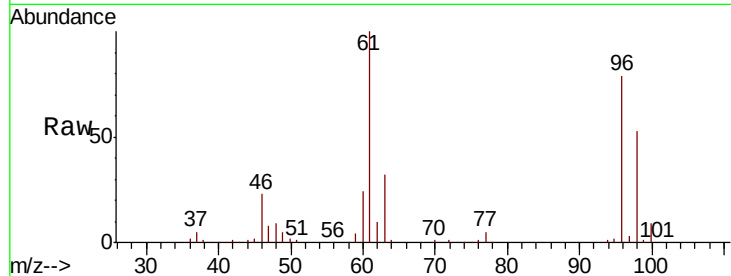




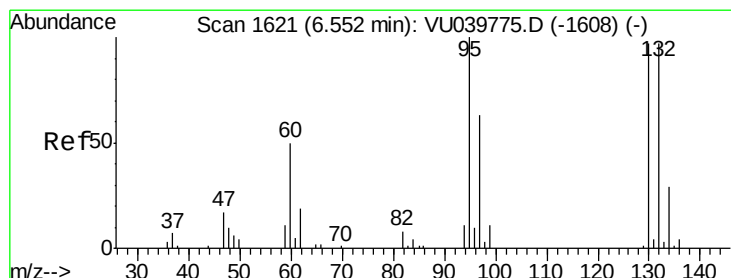
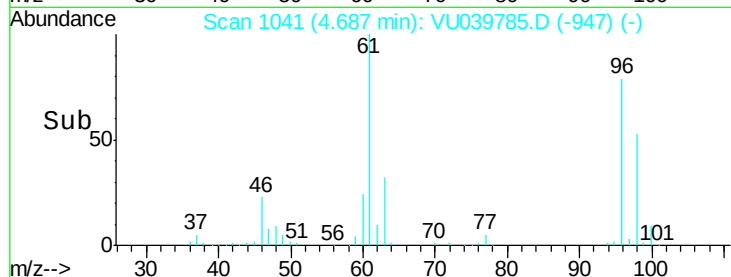
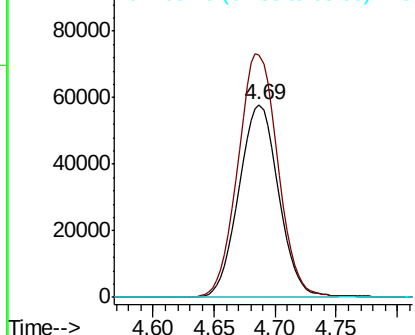
#22
 cis-1,2-Dichloroethene
 Concen: 25.207 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU039785.D
 Acq: 07 Aug 2020 14:30

Instrument :
 MSVOA_U
 ClientSampleId :
 F2L81

Tot Ion: 96 Resp: 130742
 Ion Ratio Lower Upper
 96 100
 61 126.0 87.4 162.2
 68 0.0 0.0 0.0

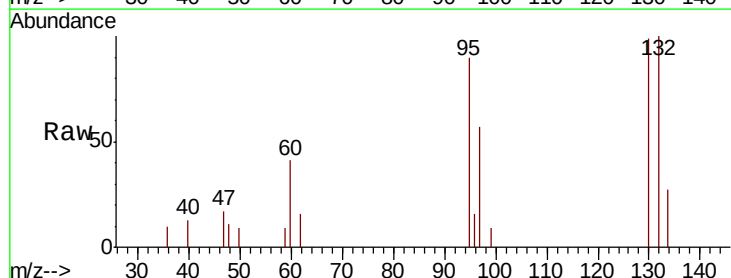


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

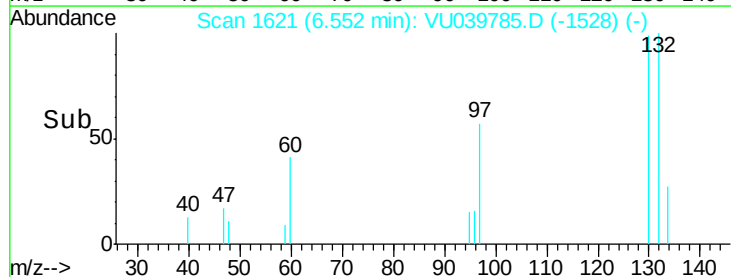
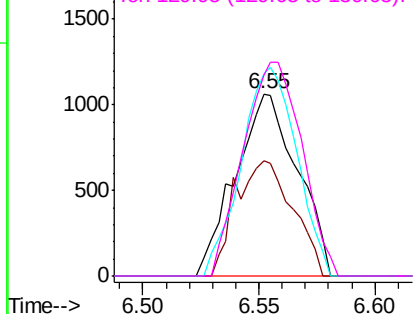


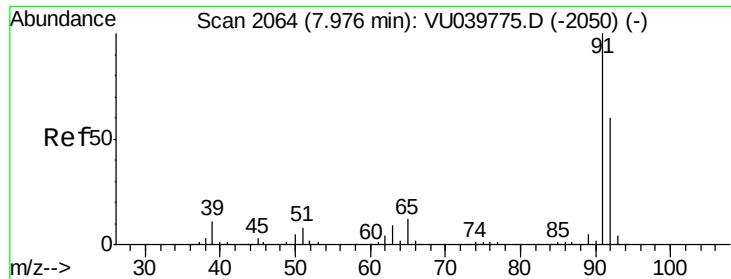
#34
 Trichloroethene
 Concen: 0.412 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU039785.D
 Acq: 07 Aug 2020 14:30

Tgt Ion: 95 Resp: 1979
 Ion Ratio Lower Upper
 95 100
 97 63.6 44.0 81.8
 132 111.2 71.7 133.3
 130 110.2 71.1 132.1



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





#42

Toluene

Concen: 0.262 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU039785.D

Acq: 07 Aug 2020 14:30

Instrument :

MSVOA_U

ClientSampleId :

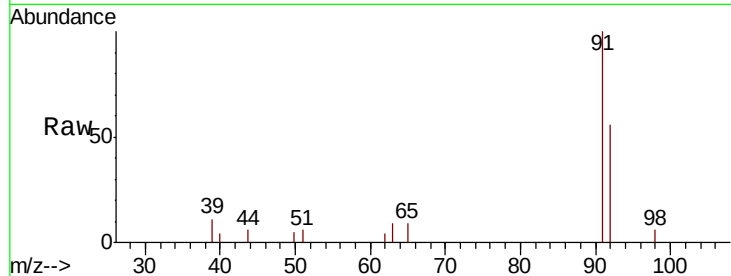
F2L81

Tot Ion: 91 Resp: 5091

Ion Ratio Lower Upper

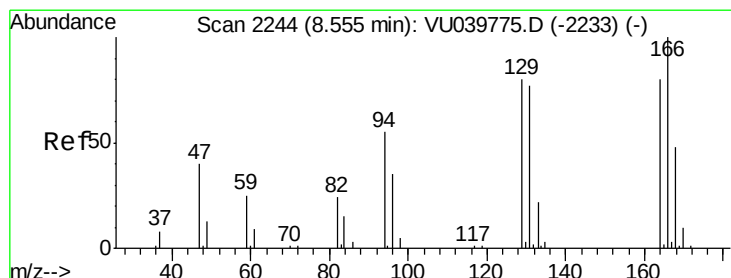
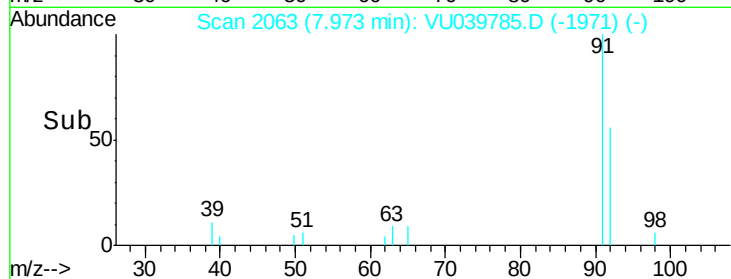
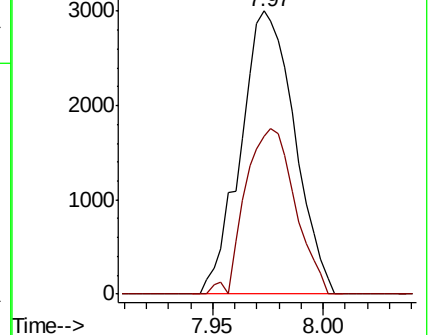
91 100

92 55.8 41.6 77.3



Abundance Ion 91.15 (90.85 to 91.85): VU039775.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU039775.D (-2050) (-)



#47

Tetrachloroethene

Concen: 0.283 ug/L

RT: 8.56 min Scan# 2247

Delta R.T. 0.01 min

Lab File: VU039785.D

Acq: 07 Aug 2020 14:30

Tgt Ion: 164 Resp: 1122

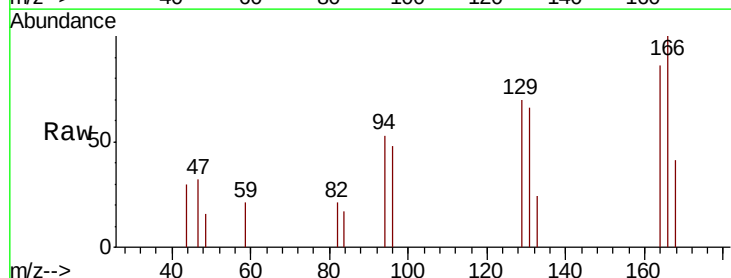
Ion Ratio Lower Upper

164 100

129 81.9 65.9 122.5

131 77.0 68.1 126.5

166 116.6 84.5 156.9



Abundance Ion 163.90 (163.60 to 164.60): VU039775.D (-2233) (-)

Ion 128.95 (128.65 to 129.65): VU039775.D (-2233) (-)

Ion 130.95 (130.65 to 131.65): VU039775.D (-2233) (-)

Ion 165.90 (165.60 to 166.60): VU039775.D (-2233) (-)

