

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080620\
 Data File : VU039750.D
 Acq On : 06 Aug 2020 12:49
 Operator : SY/MD
 Sample : L3572-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2L81

Quant Time: Aug 07 03:37:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 07 03:23:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	85022	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	80542	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	36573	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	24015	5.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.60%
7) Chloroethane-d5	1.92	69	21247	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.60%
11) 1,1-Dichloroethene-d2	2.57	63	37807	4.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.80%
20) 2-Butanone-d5	4.70	46	85958	42.57	ug/L	0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.14%
24) Chloroform-d	5.08	84	48462	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.60%
26) 1,2-Dichloroethane-d4	5.72	65	29393	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
32) Benzene-d6	5.74	84	89022	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.70	67	30308	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	7.91	98	70159	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.60%
43) trans-1,3-Dichloropropene-	8.19	79	9568	3.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.00%
46) 2-Hexanone-d5	8.65	63	64334	47.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.50%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	27472	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	29597	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

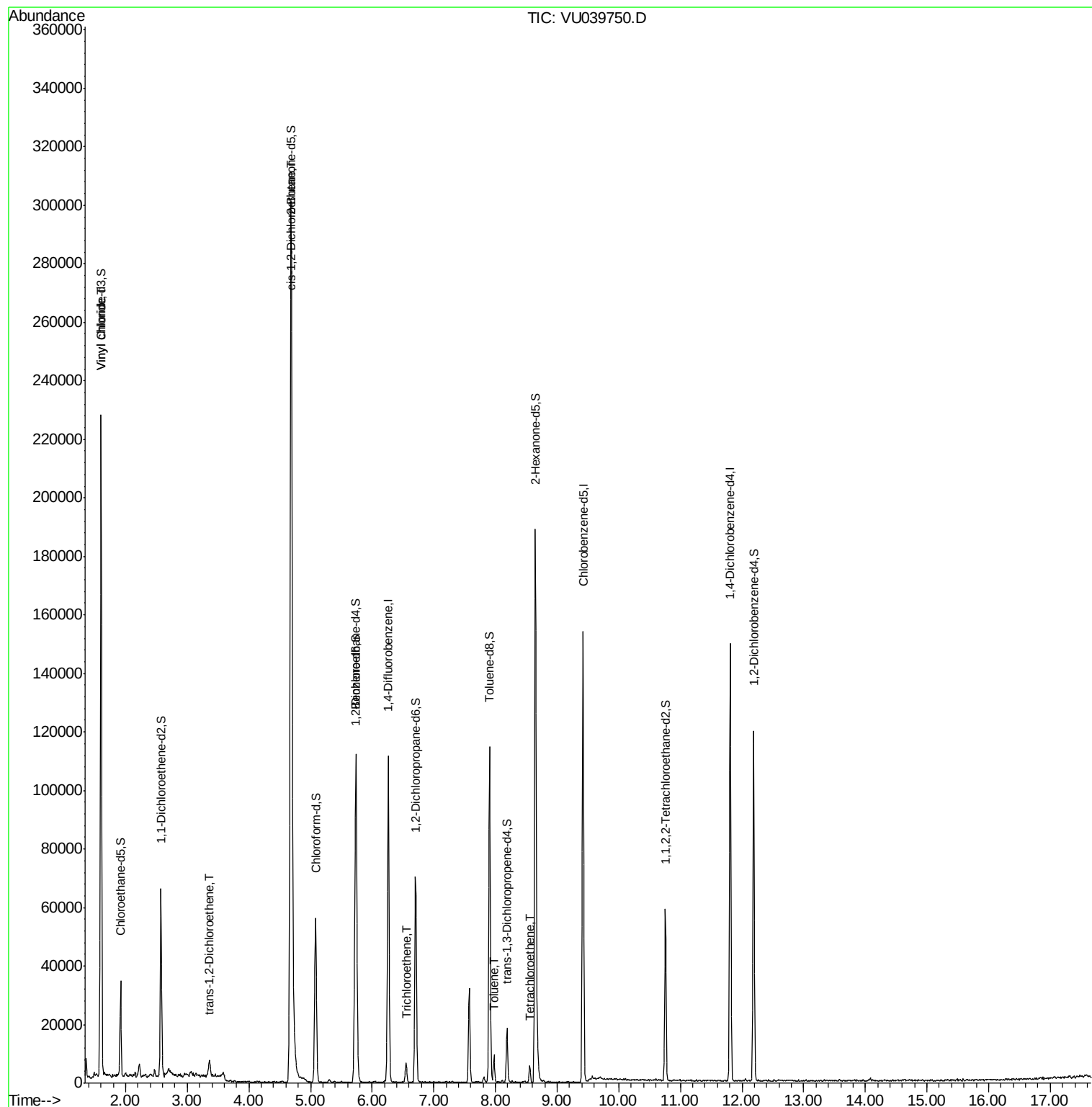
					Ovalue
5) Vinyl chloride	1.60	62	122431	17.711	ug/L 96
18) trans-1,2-Dichloroethene	3.36	96	1715	0.304	ug/L 91
22) cis-1,2-Dichloroethene	4.68	96	138548	22.560	ug/L 97
34) Trichloroethene	6.55	95	2317	0.407	ug/L 90
42) Toluene	7.98	91	6101	0.265	ug/L 87
47) Tetrachloroethene	8.56	164	999	0.212	ug/L 85

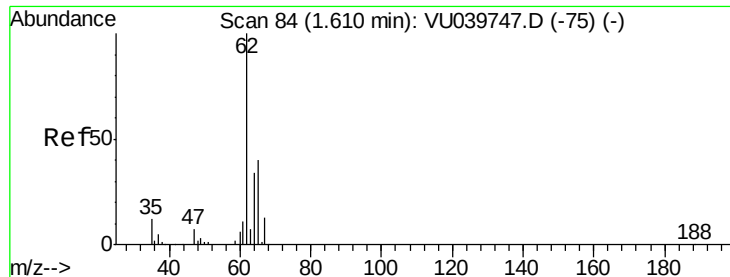
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 17.711 ug/L

RT: 1.60 min Scan# 82

Delta R.T. -0.01 min

Lab File: VU039750.D

Acq: 06 Aug 2020 12:49

Instrument :

MSVOA_U

ClientSampled :

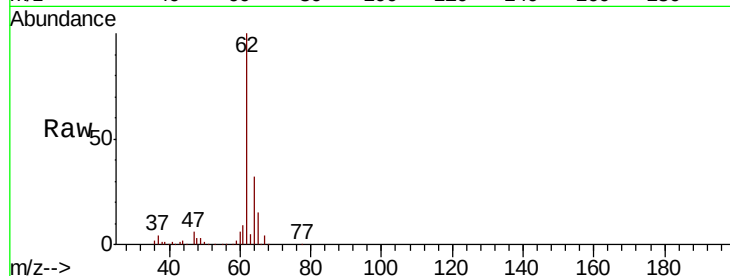
F2L81

Tot Ion: 62 Resp: 122431

Ion Ratio Lower Upper

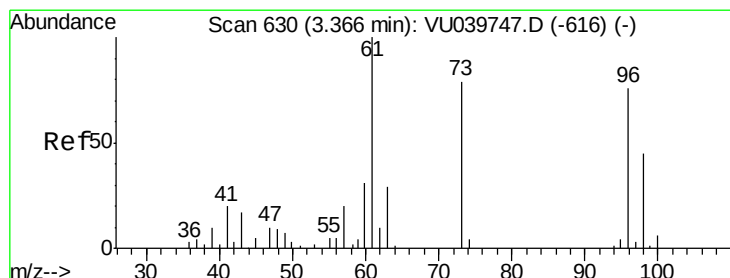
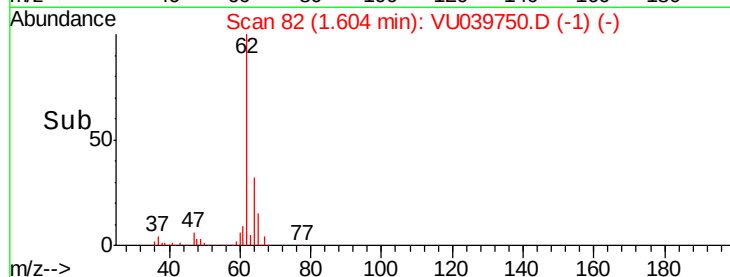
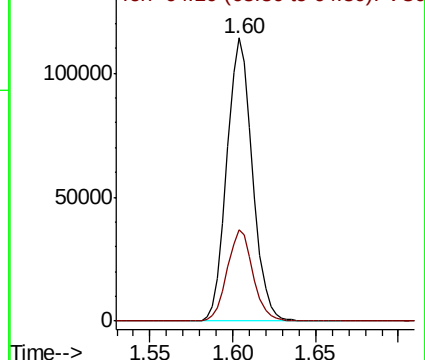
62 100

64 32.1 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#18

trans-1,2-Dichloroethene

Concen: 0.304 ug/L

RT: 3.36 min Scan# 629

Delta R.T. -0.00 min

Lab File: VU039750.D

Acq: 06 Aug 2020 12:49

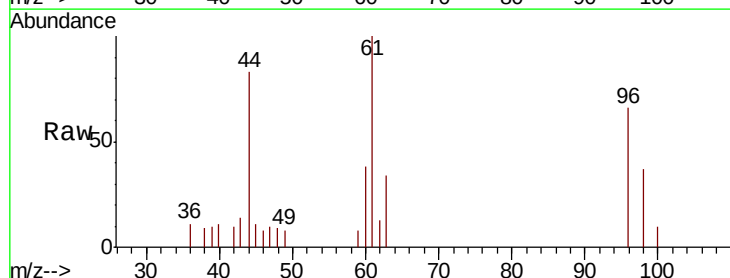
Tgt Ion: 96 Resp: 1715

Ion Ratio Lower Upper

96 100

61 150.5 96.5 179.1

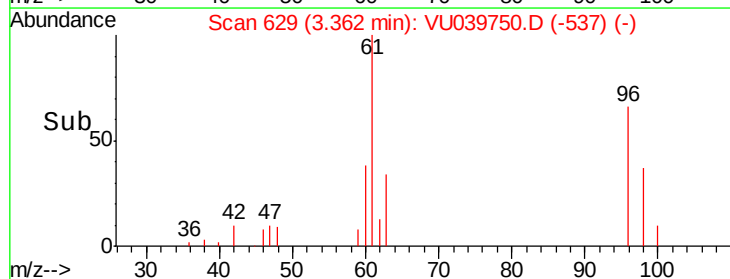
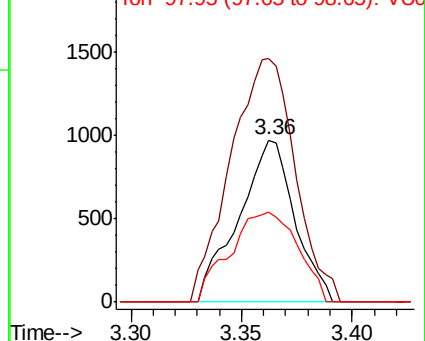
98 55.5 40.9 76.0

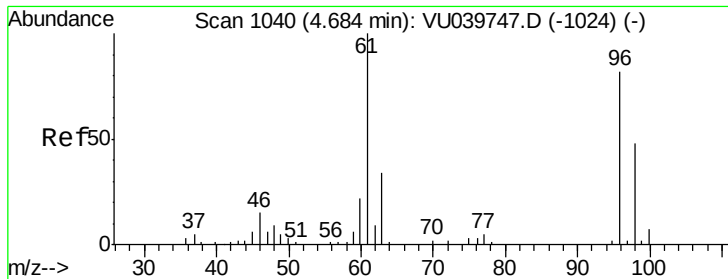


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0





#22

cis-1,2-Dichloroethene

Concen: 22.560 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU039750.D

Acq: 06 Aug 2020 12:49

Instrument :

MSVOA_U

ClientSampleId :

F2L81

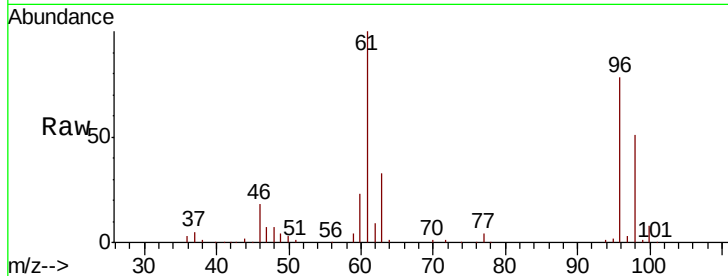
Tot Ion: 96 Resp: 138548

Ion Ratio Lower Upper

96 100

61 127.7 87.4 162.2

68 0.0 0.0 0.0

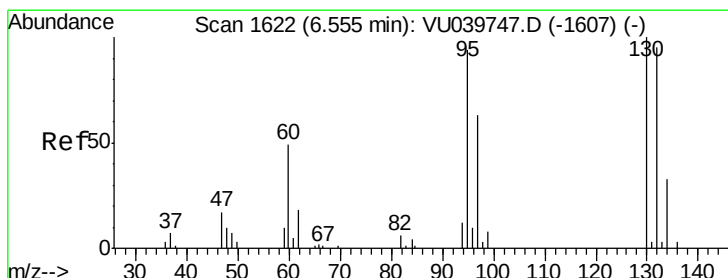
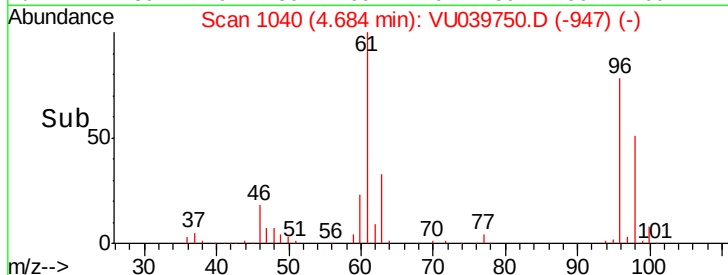
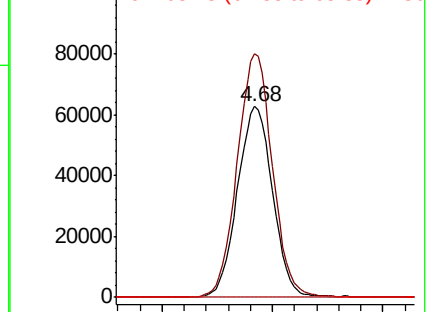


Abundance

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: 0.407 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU039750.D

Acq: 06 Aug 2020 12:49

Tgt Ion: 95 Resp: 2317

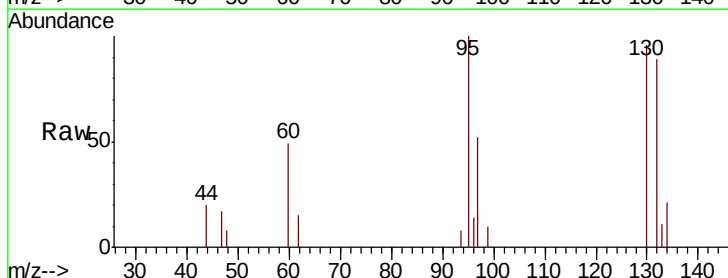
Ion Ratio Lower Upper

95 100

97 52.4 44.0 81.8

132 89.4 71.7 133.3

130 95.7 71.1 132.1



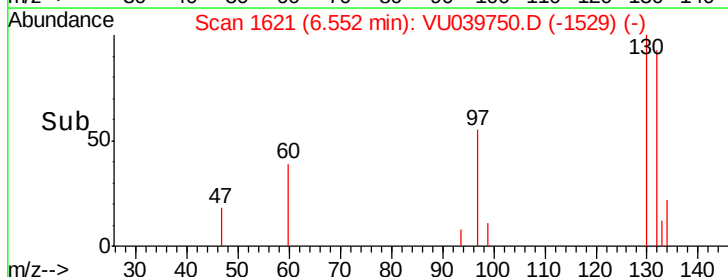
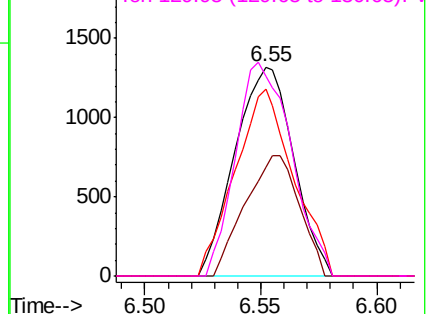
Abundance

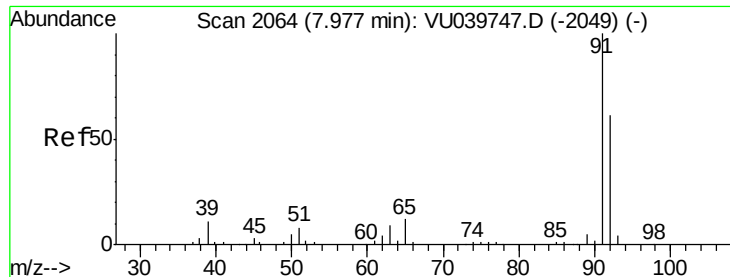
Ion 95.00 (94.70 to 95.70): VU0

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: 0.265 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039750.D

Acq: 06 Aug 2020 12:49

Instrument :

MSVOA_U

ClientSampleId :

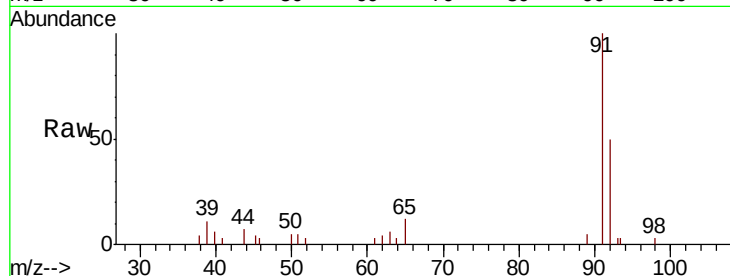
F2L81

Tot Ion: 91 Resp: 6101

Ion Ratio Lower Upper

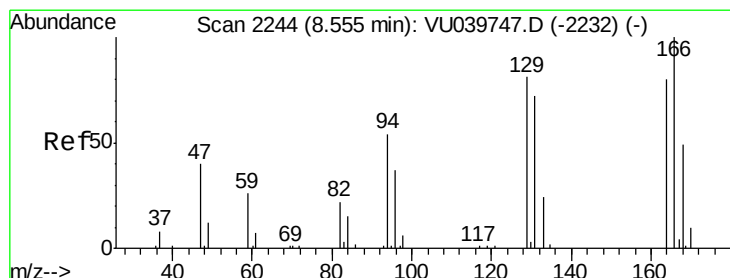
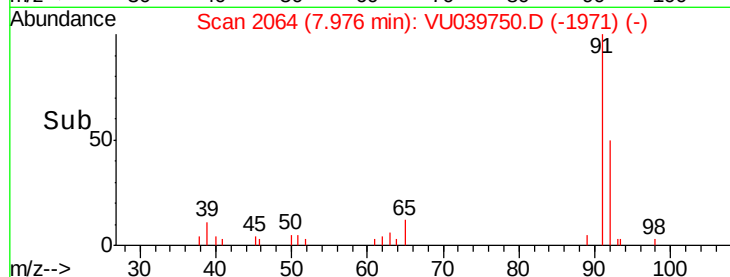
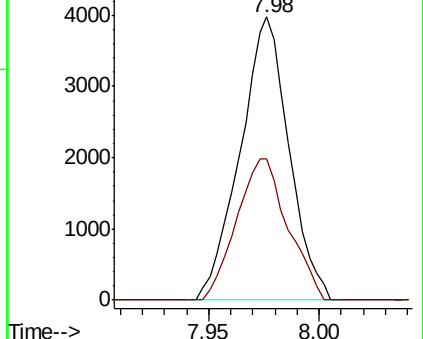
91 100

92 50.1 41.6 77.3



Abundance Ion 91.15 (90.85 to 91.85): VU039747.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU039747.D (-2049) (-)



#47

Tetrachloroethene

Concen: 0.212 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU039750.D

Acq: 06 Aug 2020 12:49

Tgt Ion: 164 Resp: 999

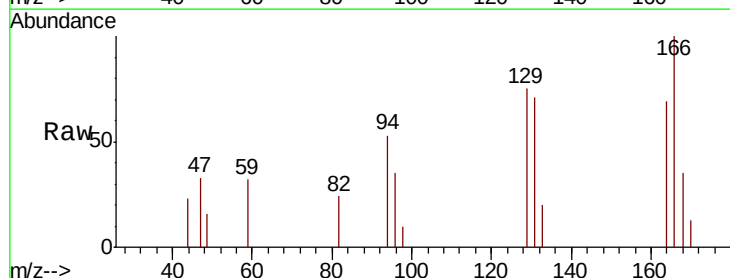
Ion Ratio Lower Upper

164 100

129 108.7 65.9 122.5

131 103.1 68.1 126.5

166 145.6 84.5 156.9



Abundance Ion 163.90 (163.60 to 164.60): VU039747.D (-2232) (-)

Ion 128.95 (128.65 to 129.65): VU039747.D (-2232) (-)

Ion 130.95 (130.65 to 131.65): VU039747.D (-2232) (-)

Ion 165.90 (165.60 to 166.60): VU039747.D (-2232) (-)

