

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080620\
 Data File : VU039749.D
 Acq On : 06 Aug 2020 12:25
 Operator : SY/MD
 Sample : L3572-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2L80

Quant Time: Aug 07 03:34:36 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	77248	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	71678	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	32457	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	23154	5.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.00%
7) Chloroethane-d5	1.92	69	20758	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.57	63	31311	3.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.60%
20) 2-Butanone-d5	4.67	46	87507	47.70	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.40%
24) Chloroform-d	5.08	84	49287	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.72	65	28851	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
32) Benzene-d6	5.74	84	89777	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
36) 1,2-Dichloropropane-d6	6.70	67	31455	5.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.80%
41) Toluene-d8	7.91	98	71039	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	8.19	79	10049	4.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.80%
46) 2-Hexanone-d5	8.64	63	60157	49.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.30%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	27442	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	30588	5.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.20%

Target Compounds

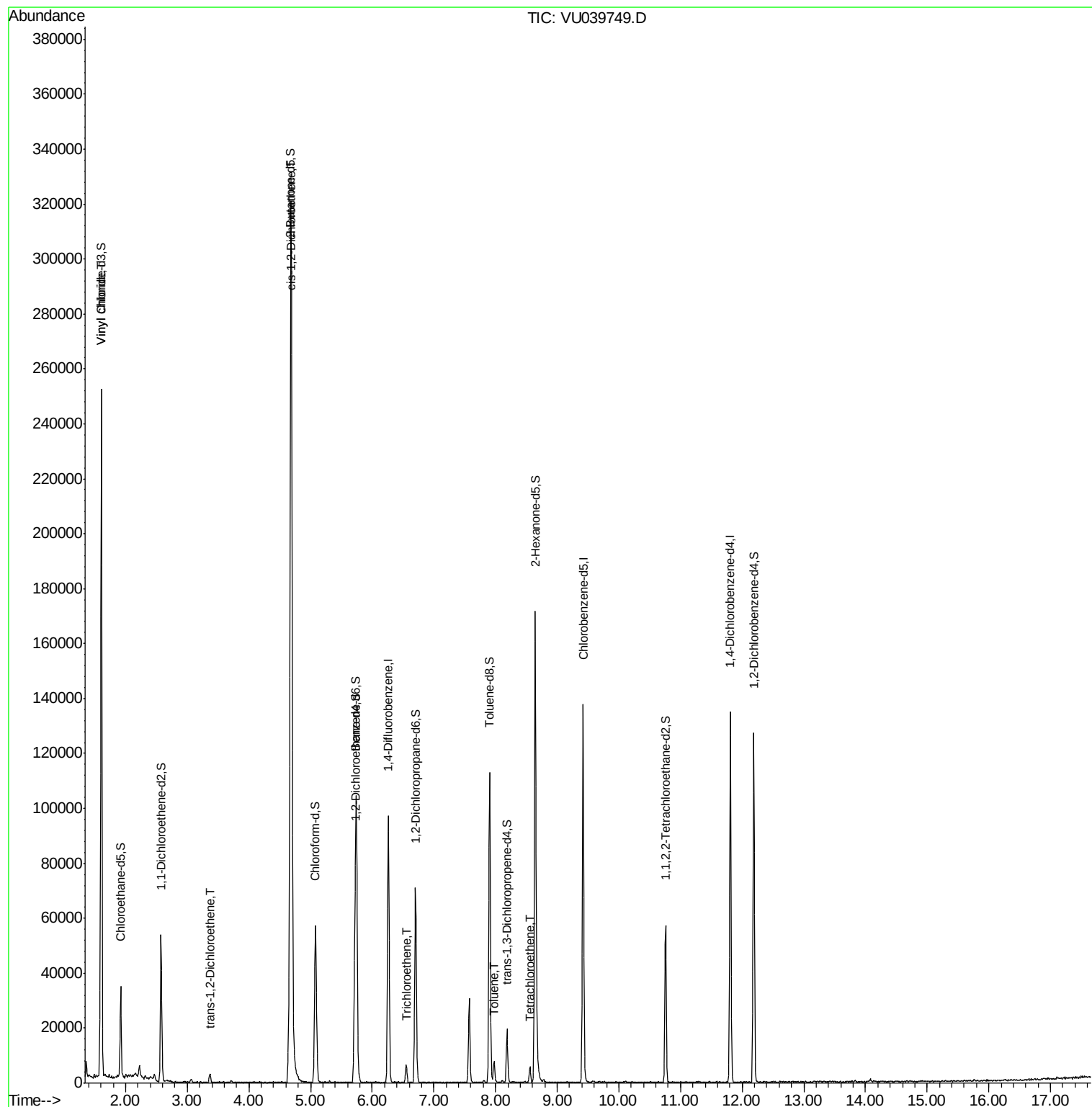
					Ovalue
5) Vinyl chloride	1.61	62	140761	22.411	ug/L 96
18) trans-1,2-Dichloroethene	3.37	96	1288	0.251	ug/L 86
22) cis-1,2-Dichloroethene	4.68	96	146986	26.342	ug/L 97
34) Trichloroethene	6.55	95	2021	0.398	ug/L 95
42) Toluene	7.98	91	5619	0.274	ug/L 87
47) Tetrachloroethene	8.56	164	1048	0.250	ug/L # 75

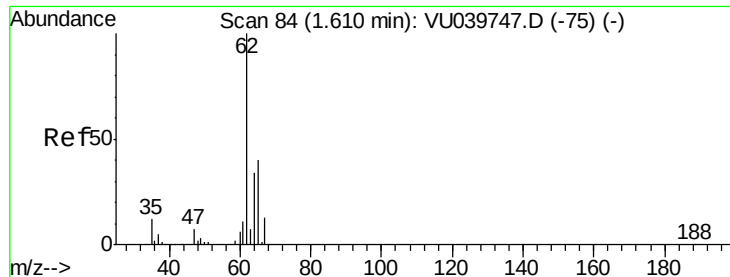
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 22.411 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU039749.D

Acq: 06 Aug 2020 12:25

Instrument :

MSVOA_U

ClientSampled :

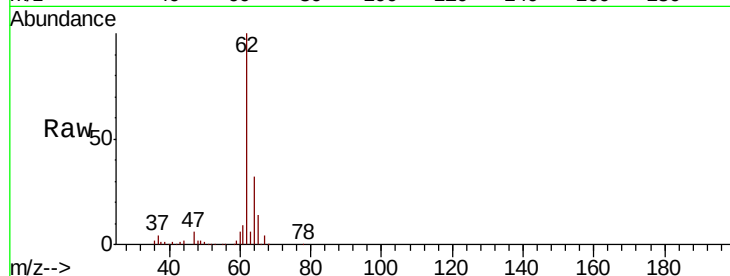
F2L80

Tot Ion: 62 Resp: 140761

Ion Ratio Lower Upper

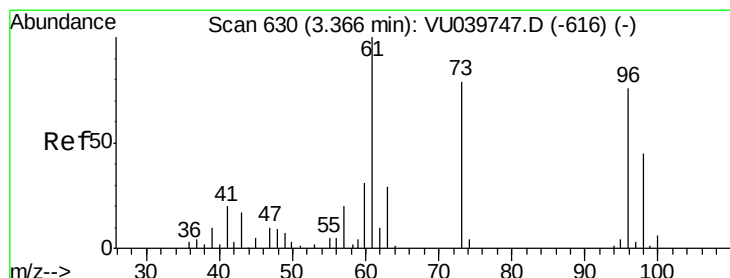
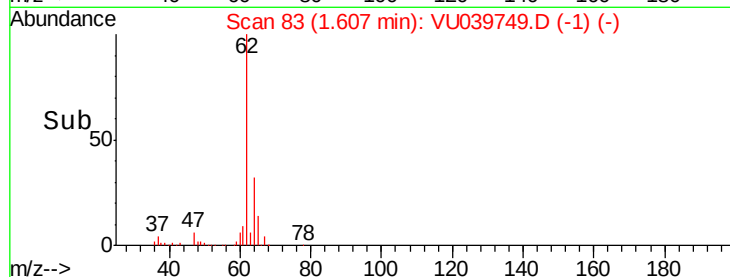
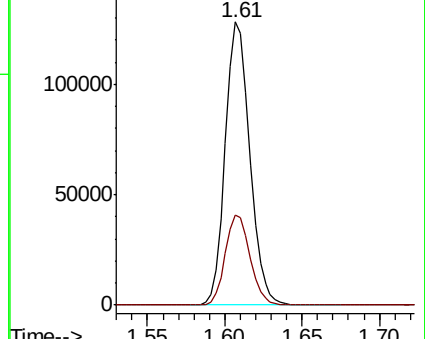
62 100

64 31.9 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU039749.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU039749.D (-1) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.251 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.01 min

Lab File: VU039749.D

Acq: 06 Aug 2020 12:25

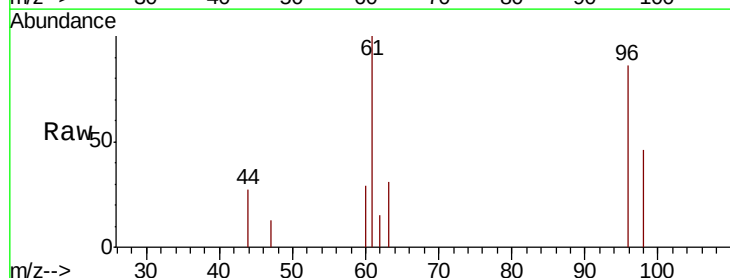
Tgt Ion: 96 Resp: 1288

Ion Ratio Lower Upper

96 100

61 116.6 96.5 179.1

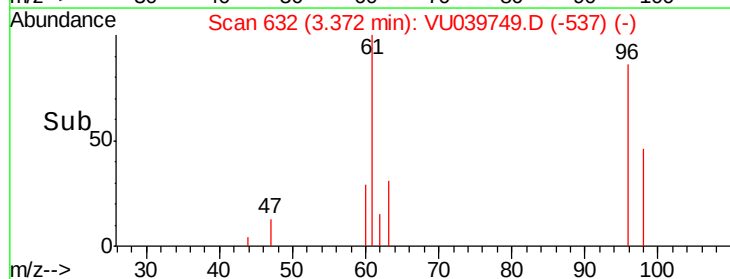
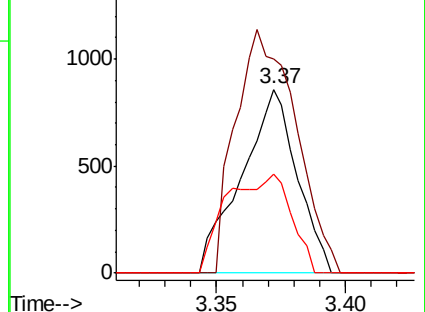
98 54.0 40.9 76.0

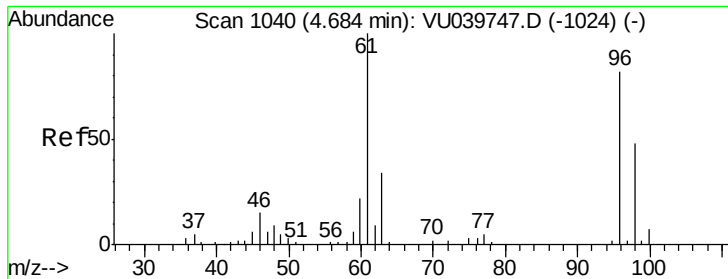


Abundance Ion 96.00 (95.70 to 96.70): VU039749.D (-537) (-)

Ion 61.05 (60.75 to 61.75): VU039749.D (-537) (-)

Ion 97.95 (97.65 to 98.65): VU039749.D (-537) (-)





#22

cis-1,2-Dichloroethene

Concen: 26.342 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU039749.D

Acq: 06 Aug 2020 12:25

Instrument :

MSVOA_U

ClientSampled :

F2L80

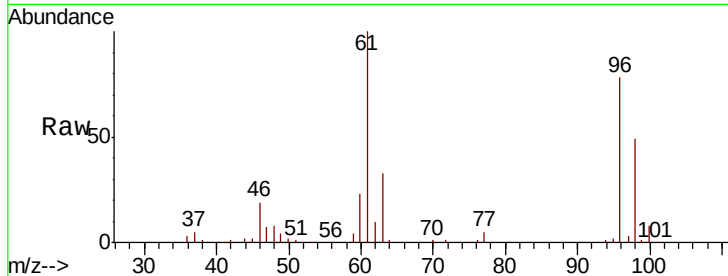
Tot Ion: 96 Resp: 146986

Ion Ratio Lower Upper

96 100

61 128.6 87.4 162.2

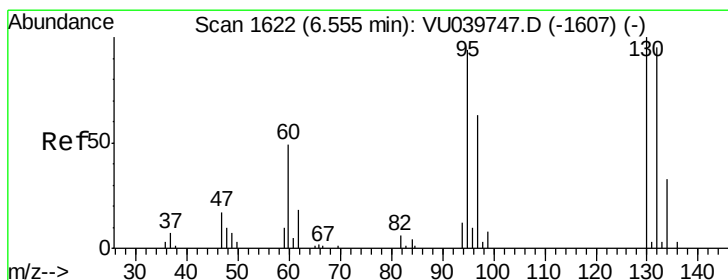
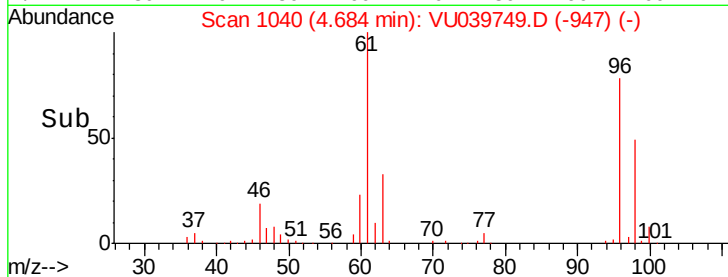
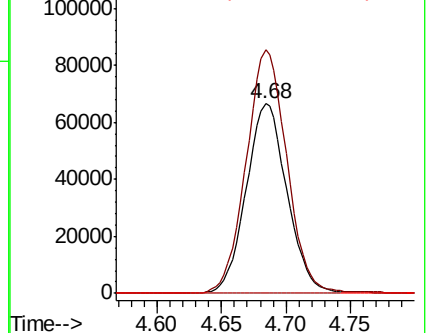
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039749.D (-1529) (-)

Ion 61.05 (60.75 to 61.75): VU039749.D (-1529) (-)

Ion 68.15 (67.85 to 68.85): VU039749.D (-1529) (-)



#34

Trichloroethene

Concen: 0.398 ug/L

RT: 6.55 min Scan# 1620

Delta R.T. -0.01 min

Lab File: VU039749.D

Acq: 06 Aug 2020 12:25

Tgt Ion: 95 Resp: 2021

Ion Ratio Lower Upper

95 100

97 63.2 44.0 81.8

132 99.7 71.7 133.3

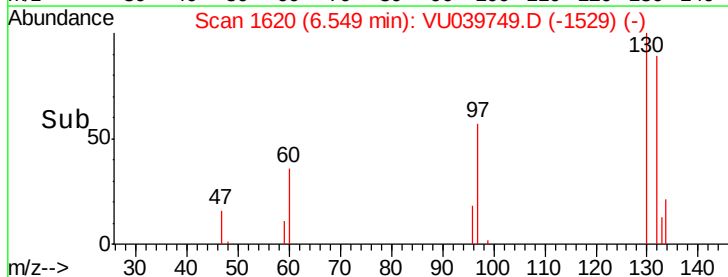
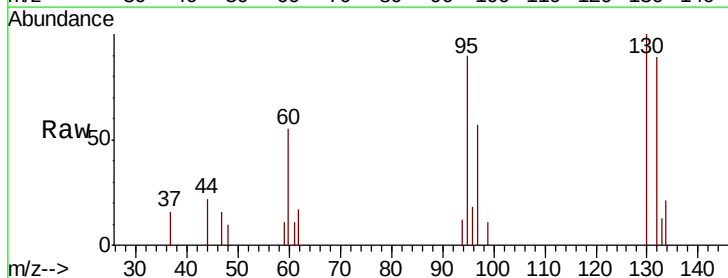
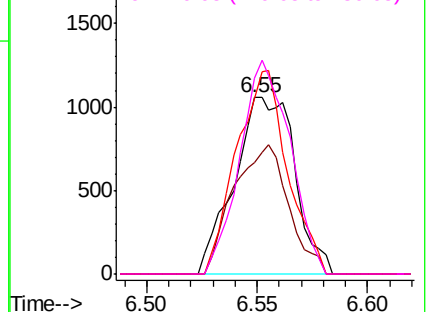
130 111.5 71.1 132.1

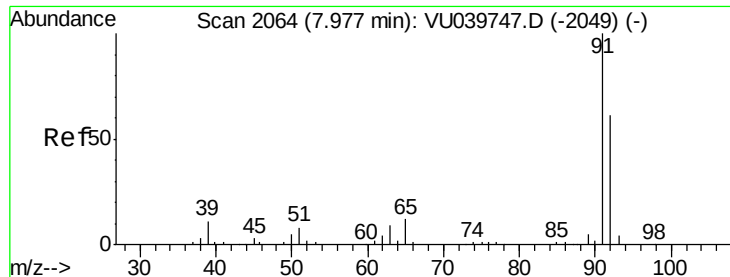
Abundance Ion 95.00 (94.70 to 95.70): VU039749.D (-1529) (-)

Ion 96.95 (96.65 to 97.65): VU039749.D (-1529) (-)

Ion 131.95 (131.65 to 132.65): VU039749.D (-1529) (-)

Ion 129.95 (129.65 to 130.65): VU039749.D (-1529) (-)





#42

Toluene

Concen: 0.274 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039749.D

Acq: 06 Aug 2020 12:25

Instrument :

MSVOA_U

ClientSampleId :

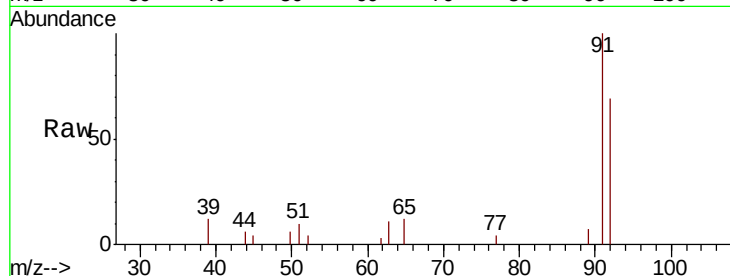
F2L80

Tot Ion: 91 Resp: 5619

Ion Ratio Lower Upper

91 100

92 68.9 41.6 77.3



Abundance Ion 91.15 (90.85 to 91.85): VU039749.D (-1971) (-)

Ion 92.15 (91.85 to 92.85): VU039749.D (-1971) (-)

7.98

3000

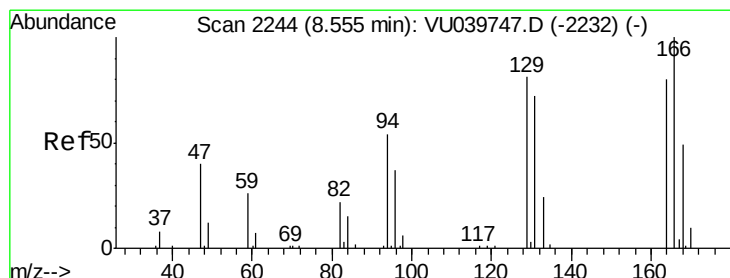
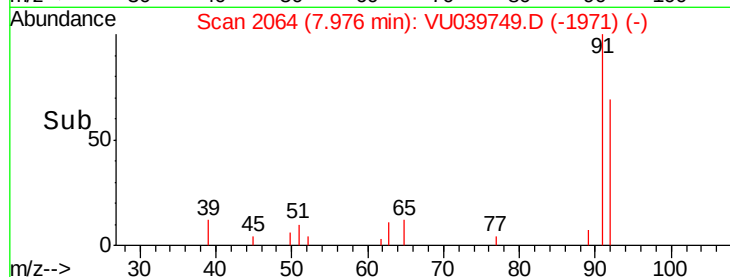
2000

1000

0

7.95 8.00

Time-->



#47

Tetrachloroethene

Concen: 0.250 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.01 min

Lab File: VU039749.D

Acq: 06 Aug 2020 12:25

Tgt Ion: 164 Resp: 1048

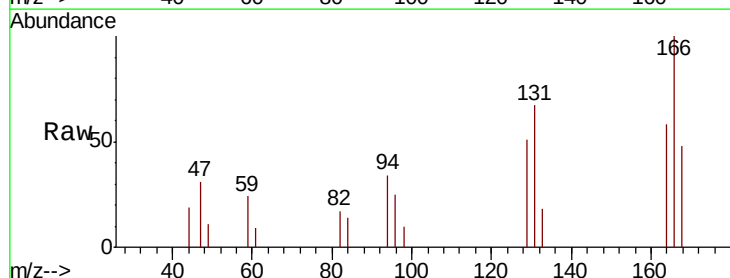
Ion Ratio Lower Upper

164 100

129 87.5 65.9 122.5

131 113.9 68.1 126.5

166 171.0 84.5 156.9#



Abundance Ion 163.90 (163.60 to 164.60): VU039749.D (-2151) (-)

Ion 128.95 (128.65 to 129.65): VU039749.D (-2151) (-)

Ion 130.95 (130.65 to 131.65): VU039749.D (-2151) (-)

Ion 165.90 (165.60 to 166.60): VU039749.D (-2151) (-)

8.56

1500

1000

500

0

8.55 8.60

Time-->

