

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112519\
 Data File : VU035841.D
 Acq On : 25 Nov 2019 22:34
 Operator : JC/SP
 Sample : K5992-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GARF3

Quant Time: Nov 26 03:37:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 26 01:03:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	220949	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	247666	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	76976	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	124280	4.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.20%
7) Chloroethane-d5	1.94	69	123308	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.59	63	167856	3.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.60%
20) 2-Butanone-d5	4.69	46	281966	42.21	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.42%
24) Chloroform-d	5.11	84	239320	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.75	65	144559	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
32) Benzene-d6	5.77	84	471629	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	6.74	67	170090	5.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.80%
41) Toluene-d8	7.93	98	379742	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
43) trans-1,3-Dichloropropene-	8.21	79	58540	4.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.40%
46) 2-Hexanone-d5	8.68	63	300756	60.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.80%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	138672	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	99171	5.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.60%

Target Compounds

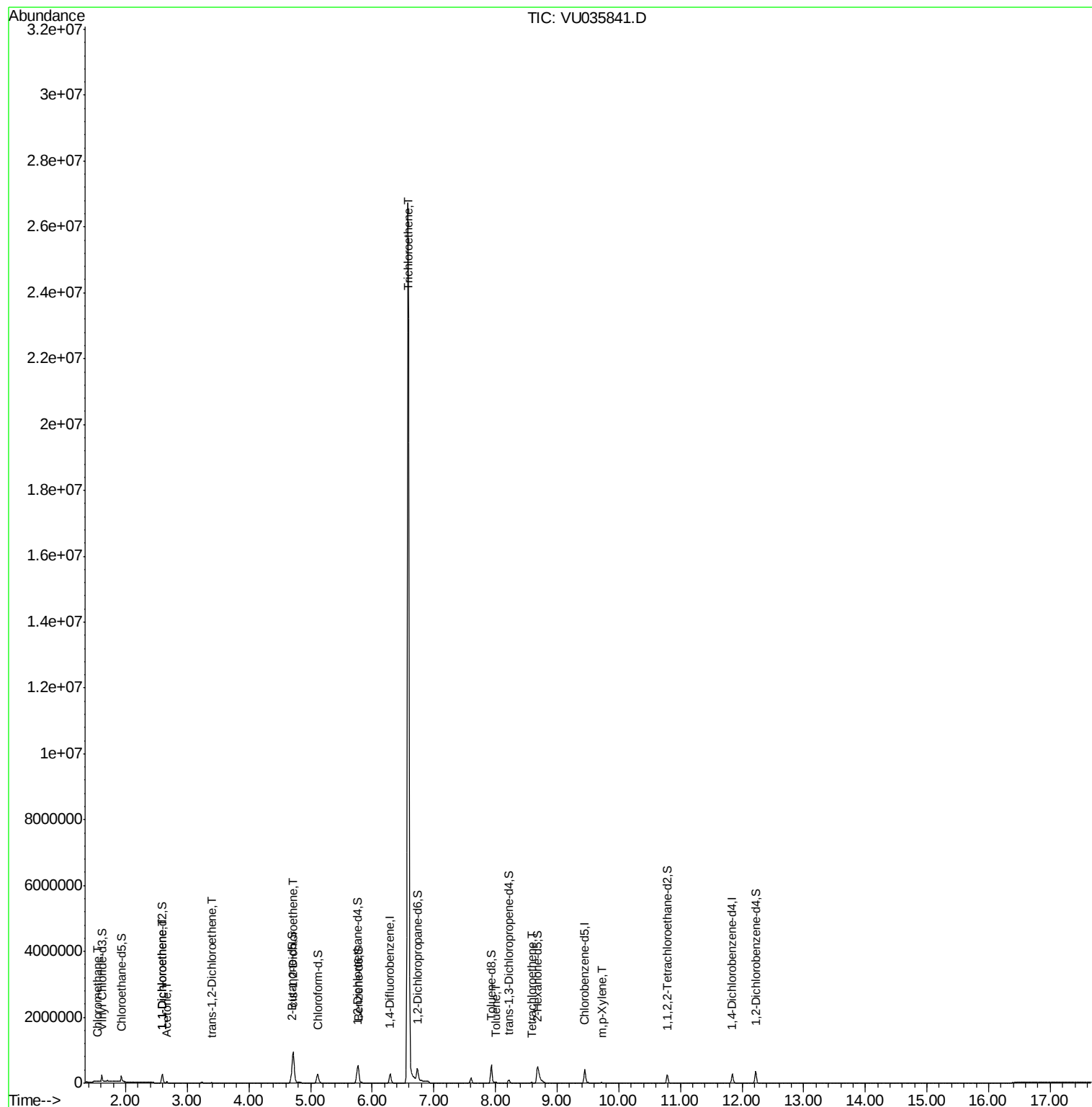
					Ovalue
3) Chloromethane	1.54	50	5891	0.160 ug/L #	82
12) 1,1-Dichloroethene	2.61	96	8445	0.367 ug/L #	1
13) Acetone	2.67	43	41579	7.088 ug/L	96
18) trans-1,2-Dichloroethene	3.39	96	4912	0.217 ug/L #	89
22) cis-1,2-Dichloroethene	4.72	96	414866	16.446 ug/L	96
34) Trichloroethene	6.58	95	9238076	364.469 ug/L	98
42) Toluene	8.00	91	18440	0.171 ug/L	91
47) Tetrachloroethene	8.58	164	4788	0.248 ug/L	89
53) m,p-Xylene	9.72	106	4599	0.117 ug/L	86

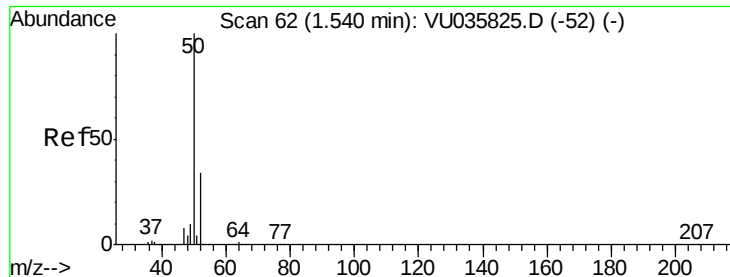
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.160 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU035841.D

Acq: 25 Nov 2019 22:34

Instrument :

MSVOA_U

ClientSampled :

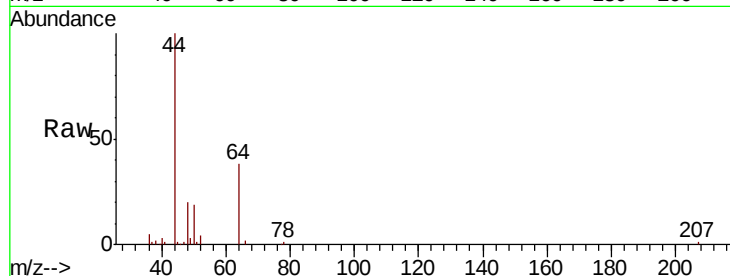
GARF3

Tot Ion: 50 Resp: 5891

Ion Ratio Lower Upper

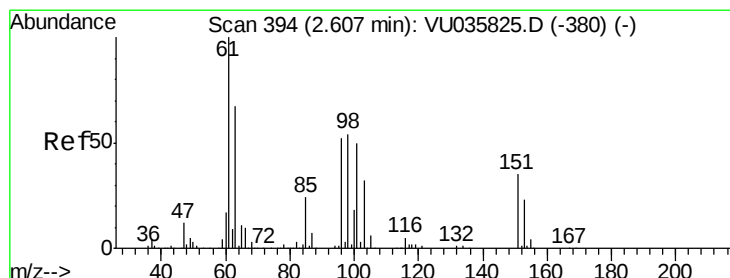
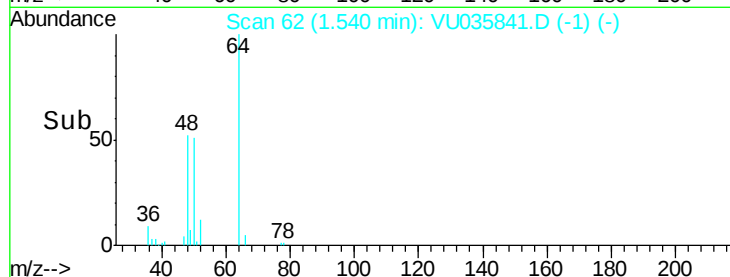
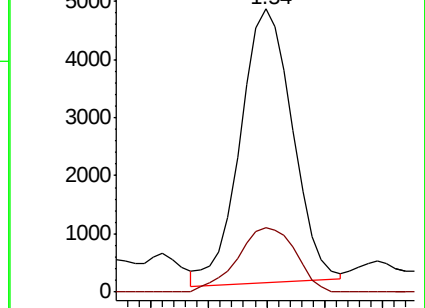
50 100

52 22.6 22.7 42.3#



Abundance Ion 50.05 (49.75 to 50.75): VU035841.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU035841.D (-1) (-)



#12

1,1-Dichloroethene

Concen: 0.367 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035841.D

Acq: 25 Nov 2019 22:34

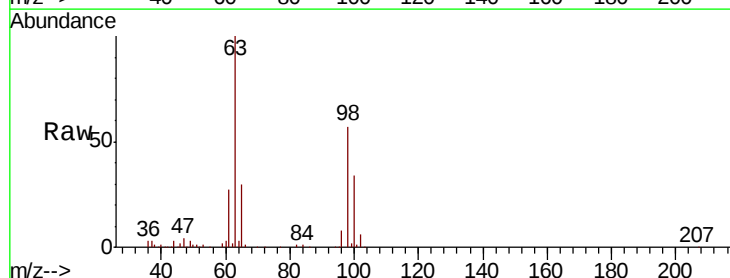
Tgt Ion: 96 Resp: 8445

Ion Ratio Lower Upper

96 100

61 325.4 139.3 258.7#

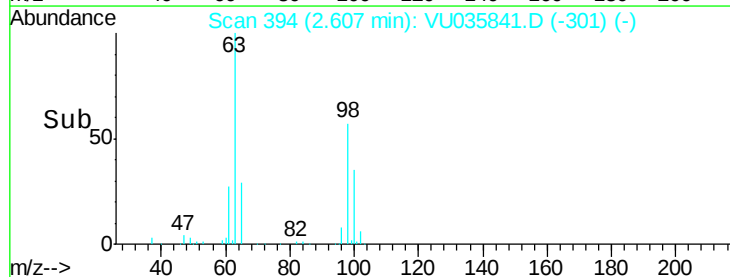
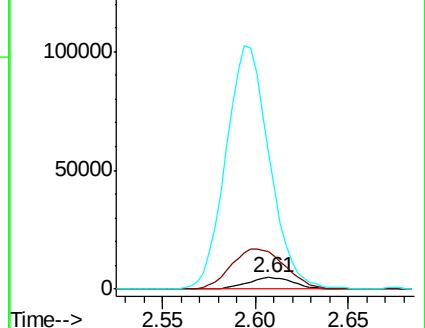
63 1203.6 93.7 174.1#

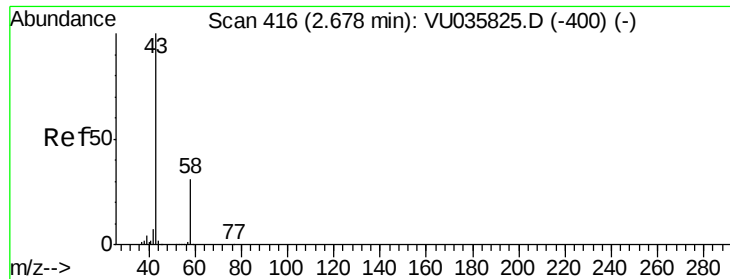


Abundance Ion 96.00 (95.70 to 96.70): VU035841.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU035841.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU035841.D (-301) (-)





#13

Acetone

Concen: 7.088 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU035841.D

Acq: 25 Nov 2019 22:34

Instrument :

MSVOA_U

ClientSampled :

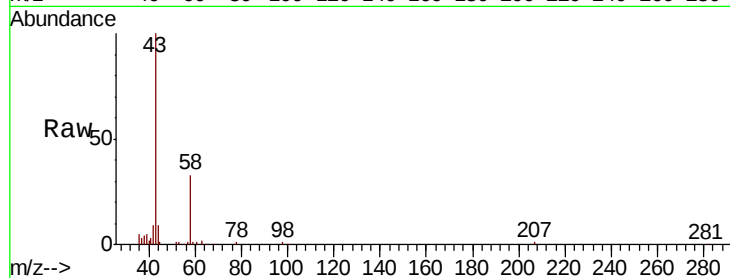
GARF3

Tot Ion: 43 Resp: 41579

Ion Ratio Lower Upper

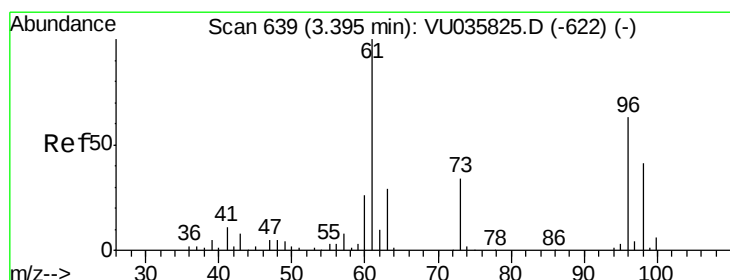
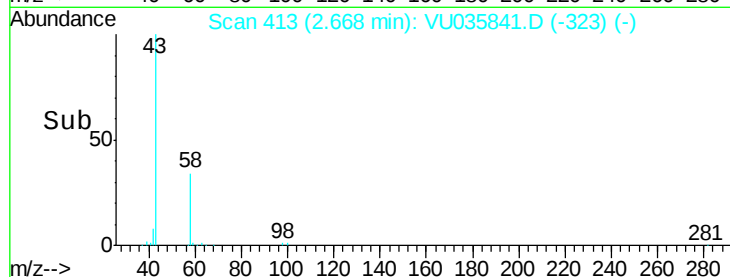
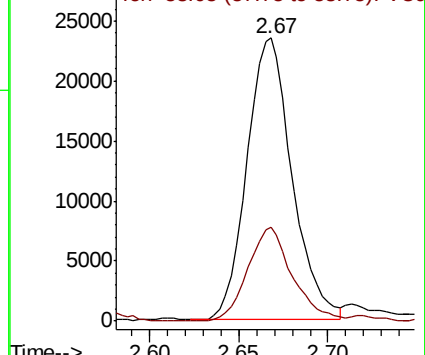
43 100

58 32.9 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035841.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU035841.D (-323) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.217 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035841.D

Acq: 25 Nov 2019 22:34

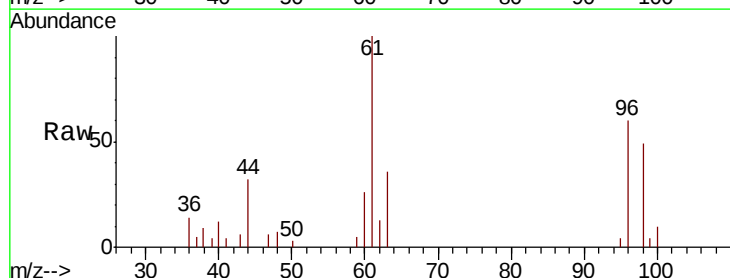
Tgt Ion: 96 Resp: 4912

Ion Ratio Lower Upper

96 100

61 165.7 111.1 206.3

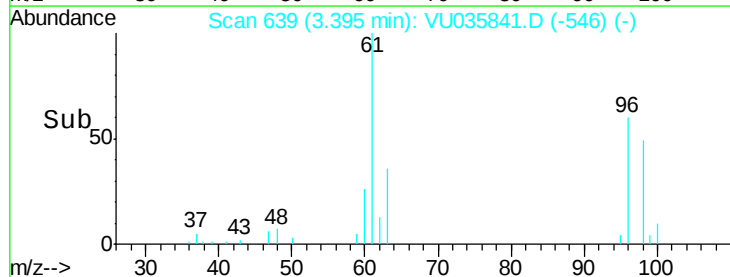
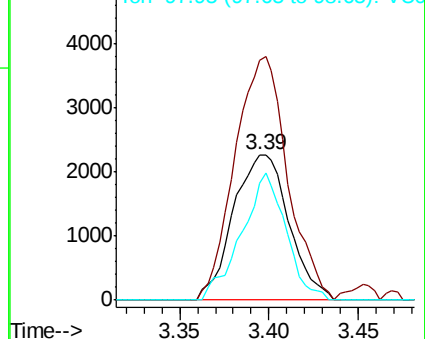
98 80.9 43.1 80.1#

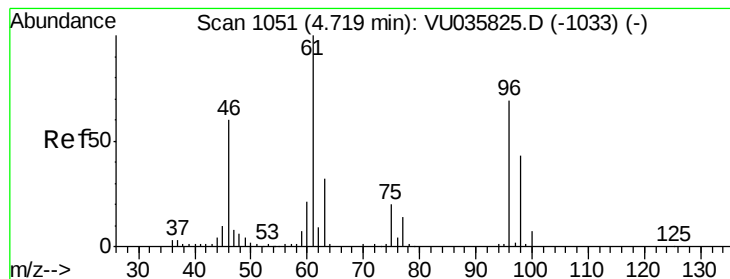


Abundance Ion 96.00 (95.70 to 96.70): VU035841.D (-546) (-)

Ion 61.05 (60.75 to 61.75): VU035841.D (-546) (-)

Ion 97.95 (97.65 to 98.65): VU035841.D (-546) (-)





#22

cis-1,2-Dichloroethene

Concen: 16.446 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035841.D

Acq: 25 Nov 2019 22:34

Instrument :

MSVOA_U

ClientSampleId :

GARF3

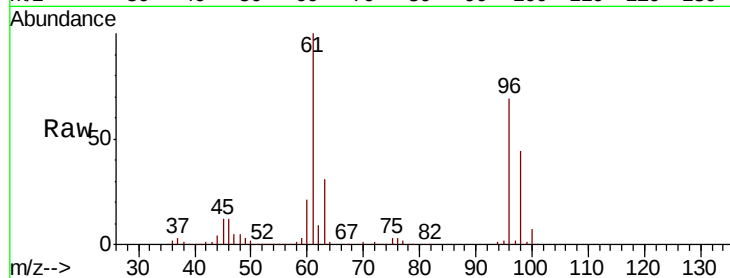
Tot Ion: 96 Resp: 414866

Ion Ratio Lower Upper

96 100

61 144.8 98.1 182.1

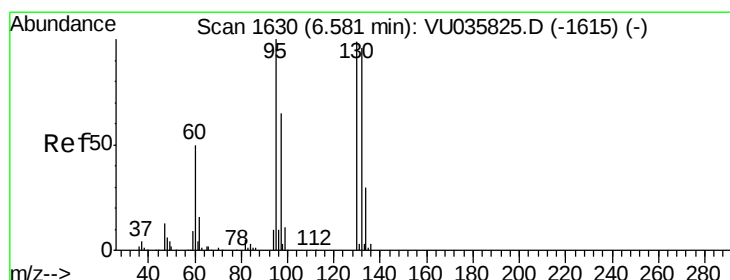
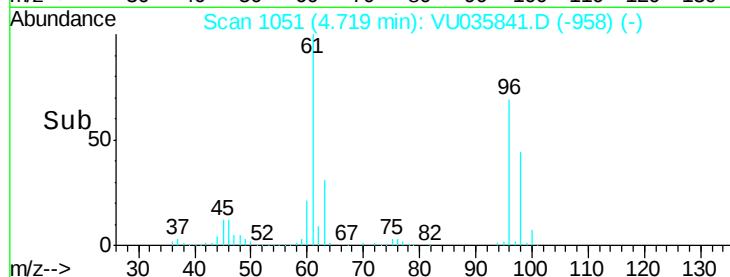
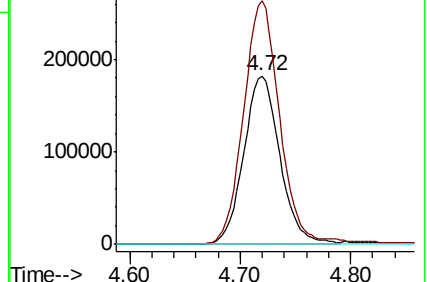
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035841.D (-958) (-)

Ion 61.05 (60.75 to 61.75): VU035841.D (-958) (-)

Ion 68.15 (67.85 to 68.85): VU035841.D (-958) (-)



#34

Trichloroethene

Concen: 364.469 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035841.D

Acq: 25 Nov 2019 22:34

Tgt Ion: 95 Resp: 9238076

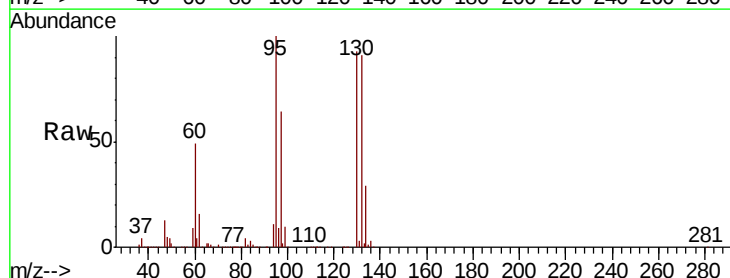
Ion Ratio Lower Upper

95 100

97 64.3 45.1 83.9

132 90.6 61.9 114.9

130 93.0 66.3 123.1

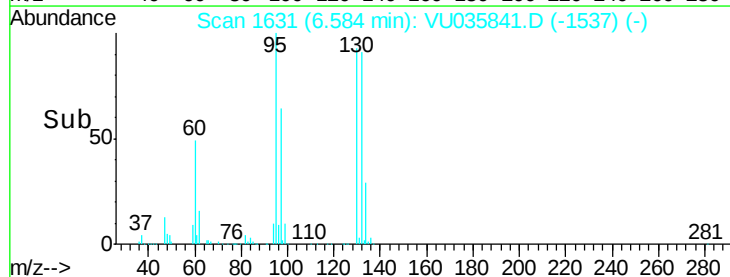
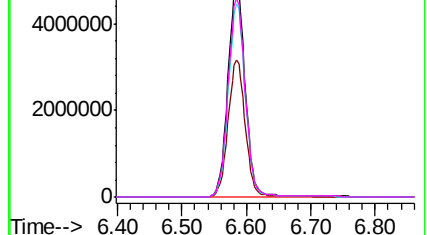


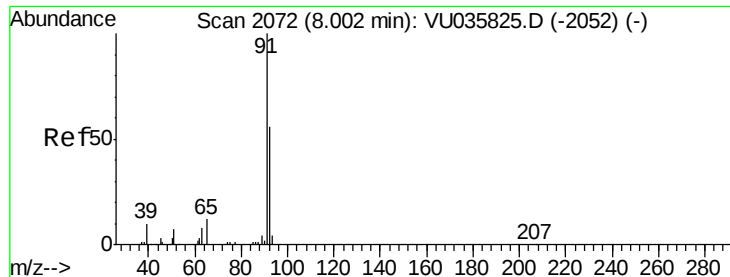
Abundance Ion 95.00 (94.70 to 95.70): VU035841.D (-1537) (-)

Ion 96.95 (96.65 to 97.65): VU035841.D (-1537) (-)

Ion 131.95 (131.65 to 132.65): VU035841.D (-1537) (-)

Ion 129.95 (129.65 to 130.65): VU035841.D (-1537) (-)





#42

Toluene

Concen: 0.171 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU035841.D

Acq: 25 Nov 2019 22:34

Instrument :

MSVOA_U

ClientSampled :

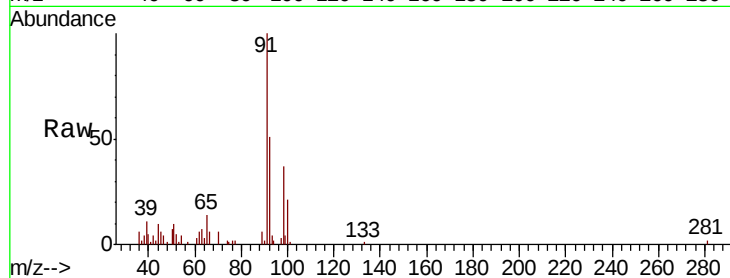
GARF3

Tot Ion: 91 Resp: 18440

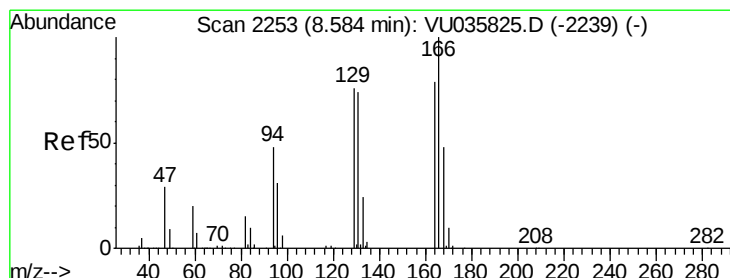
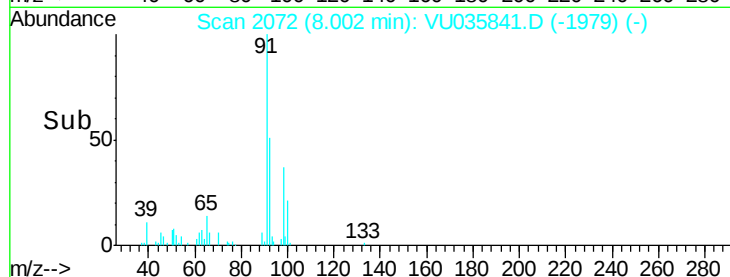
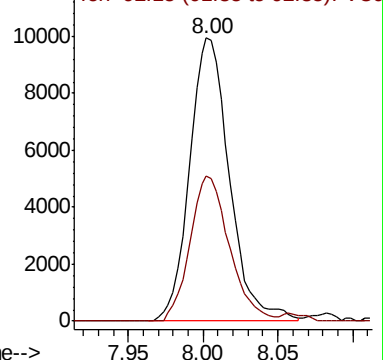
Ion Ratio Lower Upper

91 100

92 51.3 40.4 75.0



Abundance Ion 91.15 (90.85 to 91.85): VU035841.D (-1979) (-)



#47

Tetrachloroethene

Concen: 0.248 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU035841.D

Acq: 25 Nov 2019 22:34

Tgt Ion: 164 Resp: 4788

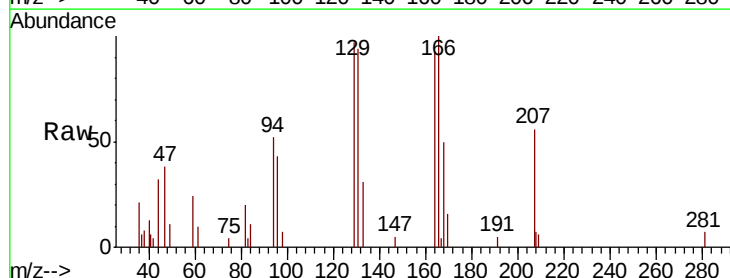
Ion Ratio Lower Upper

164 100

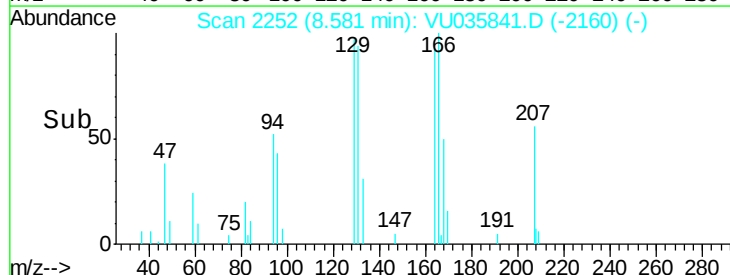
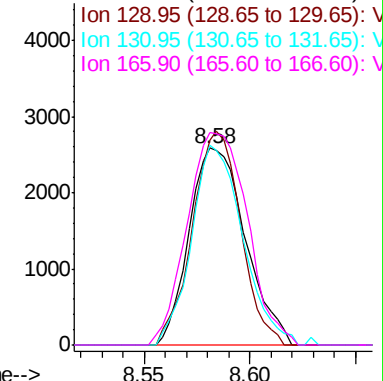
129 104.3 68.8 127.8

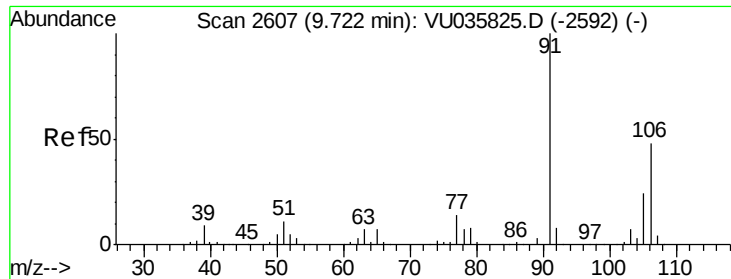
131 101.2 67.3 124.9

166 107.9 91.6 170.2



Abundance Ion 163.90 (163.60 to 164.60): VU035841.D (-2160) (-)





#53
 m,p-Xylene
 Concen: 0.117 ug/L
 RT: 9.72 min Scan# 2606
 Delta R.T. -0.00 min
 Lab File: VU035841.D
 Acq: 25 Nov 2019 22:34

Instrument :
 MSVOA_U
 ClientSampleId :
 GARF3

Tot Ion:106 Resp: 4599
 Ion Ratio Lower Upper
 106 100
 91 192.4 149.9 278.5

