

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101119\
 Data File : VU035062.D
 Acq On : 10 Oct 2019 21:01
 Operator : JC/SP
 Sample : K5309-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RB-2-191003-01

Quant Time: Oct 11 05:40:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 11 04:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	160544	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	168221	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	63820	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	35498	3.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.80%
7) Chloroethane-d5	1.68	69	37850	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.40%
11) 1,1-Dichloroethene-d2	2.26	63	56860	2.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.80%#
20) 2-Butanone-d5	4.17	46	150142	53.72	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.44%
24) Chloroform-d	4.63	84	83964	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.29	65	52047	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.32	84	164784	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.60%
36) 1,2-Dichloropropane-d6	6.31	67	62585	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.55	98	145585	3.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.40%
43) trans-1,3-Dichloropropene-	7.84	79	17641	3.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.40%
46) 2-Hexanone-d5	8.30	63	112184	49.70	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.40%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	56594	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	57924	5.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.60%

Target Compounds

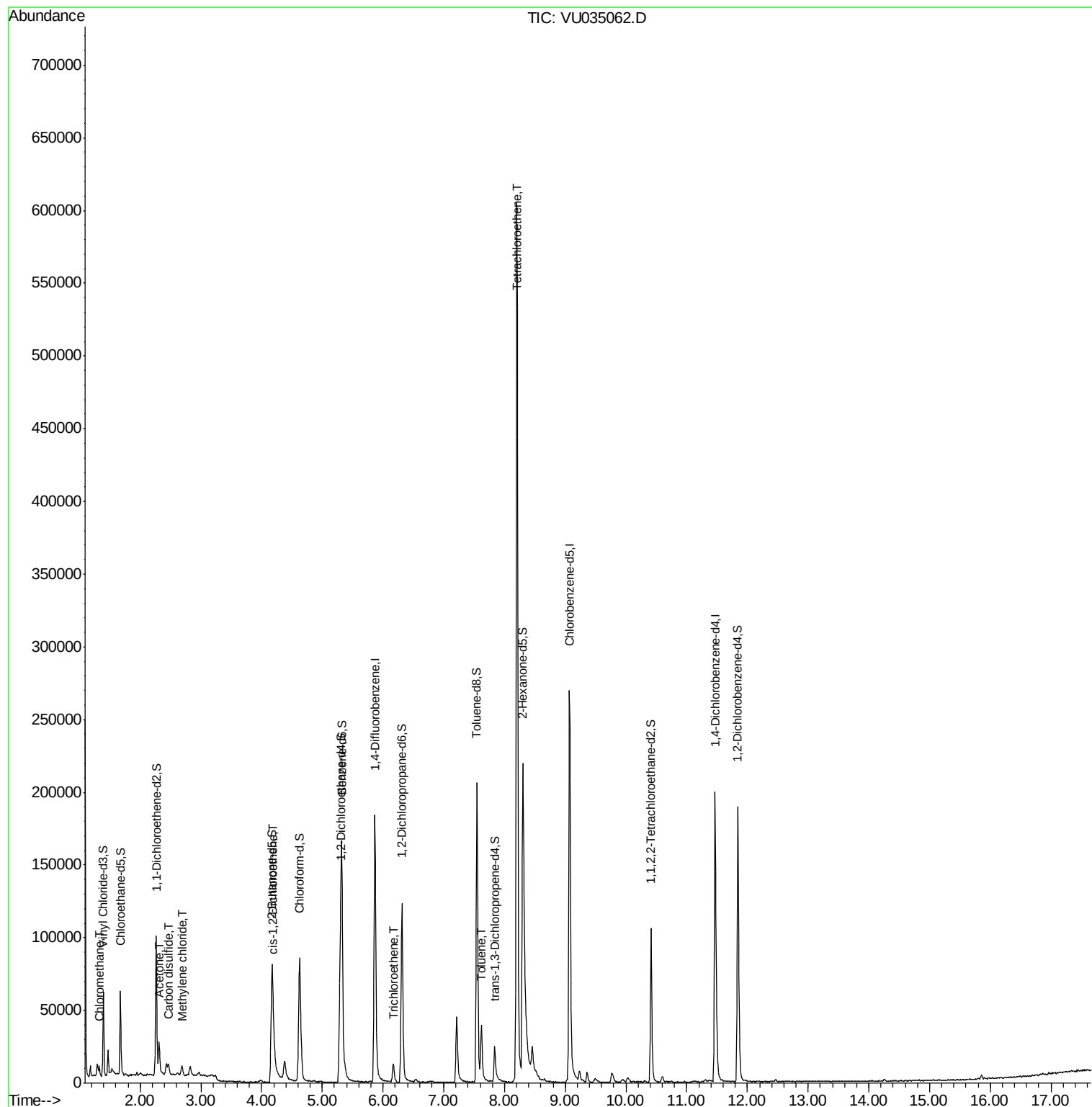
					Ovalue
3) Chloromethane	1.32	50	3627	0.225 ug/L	98
13) Acetone	2.31	43	25361	11.080 ug/L	93
14) Carbon disulfide	2.47	76	8611	0.251 ug/L #	92
16) Methylene chloride	2.68	84	2638	0.207 ug/L	99
22) cis-1,2-Dichloroethene	4.20	96	3081	0.250 ug/L	93
34) Trichloroethene	6.17	95	4908	0.376 ug/L	97
42) Toluene	7.62	91	30536	0.577 ug/L	95
47) Tetrachloroethene	8.21	164	133708	12.640 ug/L	97

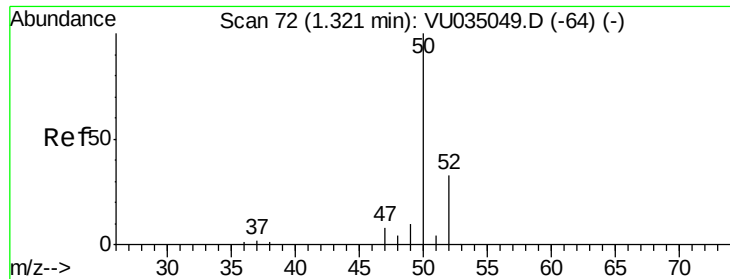
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.225 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU035062.D

Acq: 10 Oct 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

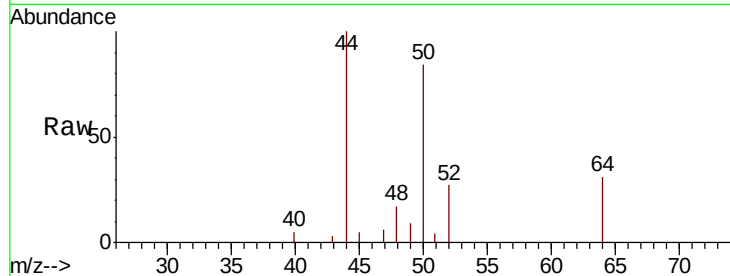
RB-2-191003-01

Tot Ion: 50 Resp: 3627

Ion Ratio Lower Upper

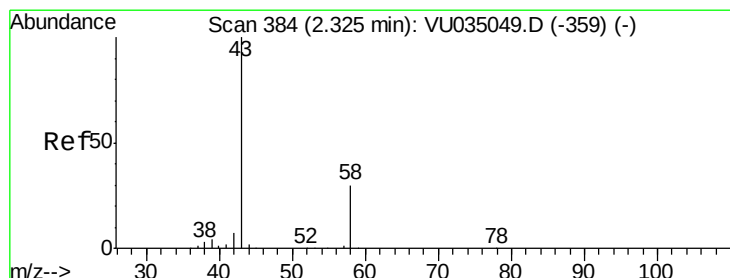
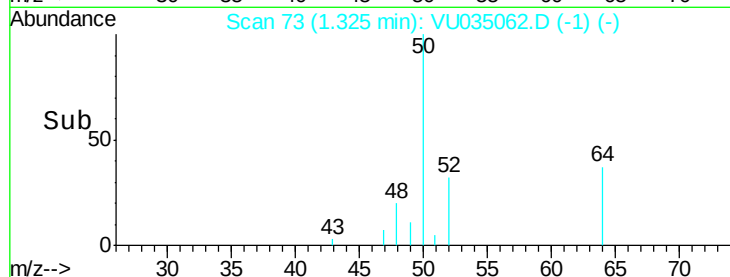
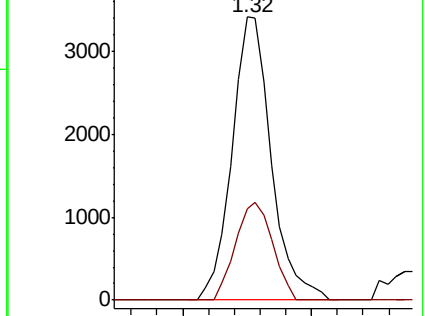
50 100

52 32.1 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU035049.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU035049.D (-64) (-)



#13

Acetone

Concen: 11.080 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.02 min

Lab File: VU035062.D

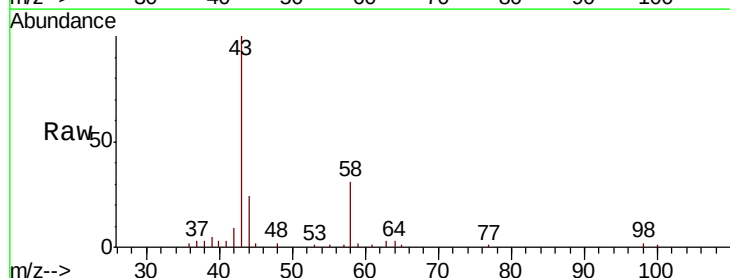
Acq: 10 Oct 2019 21:01

Tgt Ion: 43 Resp: 25361

Ion Ratio Lower Upper

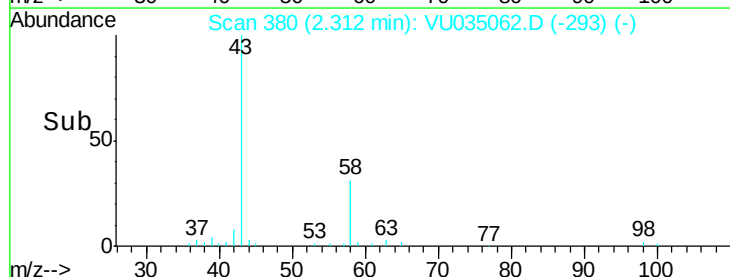
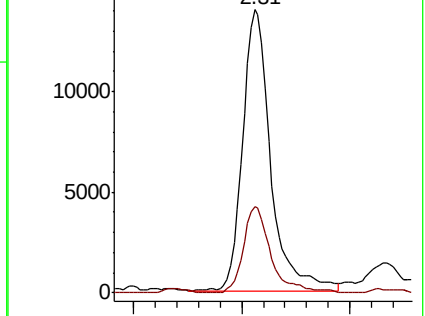
43 100

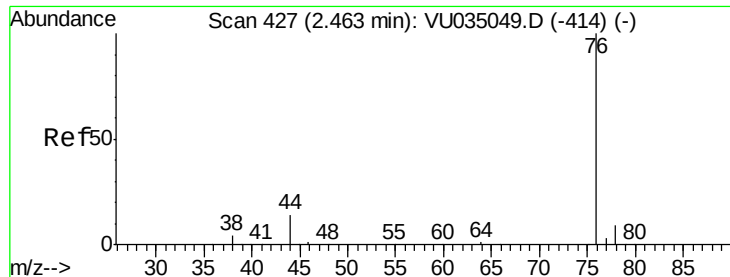
58 29.6 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU035049.D (-359) (-)

Ion 58.05 (57.75 to 58.75): VU035049.D (-359) (-)





#14

Carbon disulfide

Concen: 0.251 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU035062.D

Acq: 10 Oct 2019 21:01

Instrument :

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ClientSampleId :

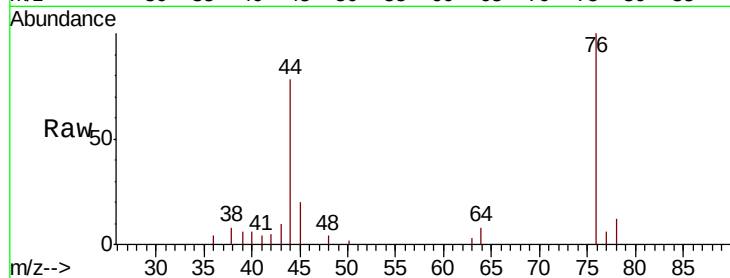
RB-2-191003-01

Tot Ion: 76 Resp: 8611

Ion Ratio Lower Upper

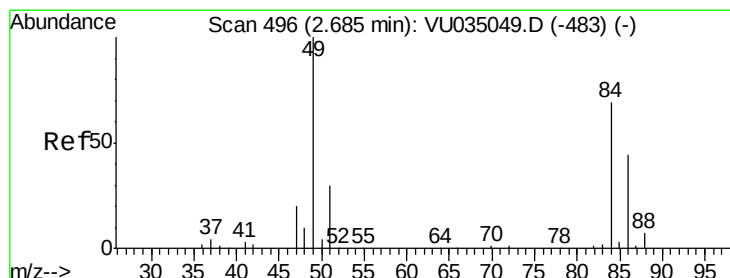
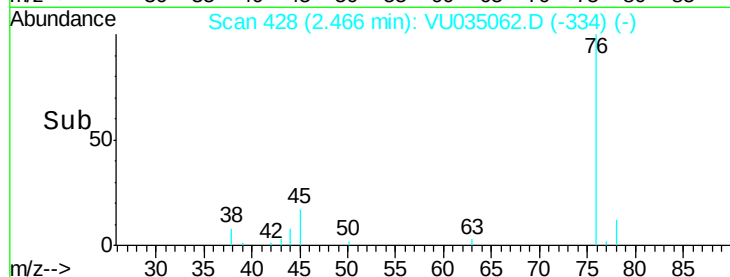
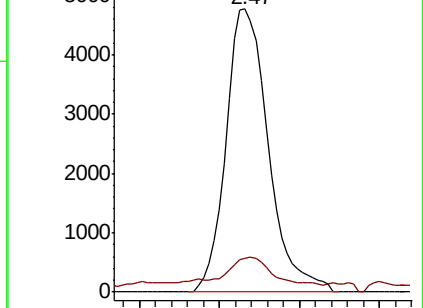
76 100

78 11.9 7.1 10.7#



Abundance Ion 76.05 (75.75 to 76.75): VU035049.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU035049.D (-414) (-)



#16

Methylene chloride

Concen: 0.207 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU035062.D

Acq: 10 Oct 2019 21:01

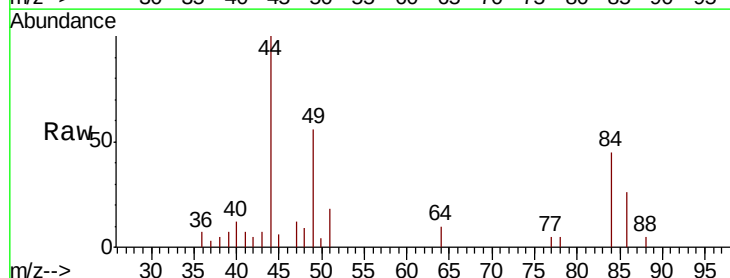
Tgt Ion: 84 Resp: 2638

Ion Ratio Lower Upper

84 100

86 58.8 42.5 78.9

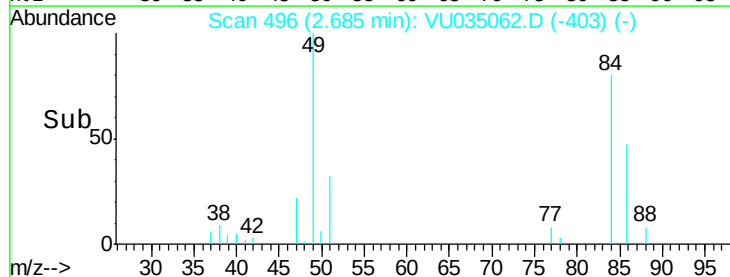
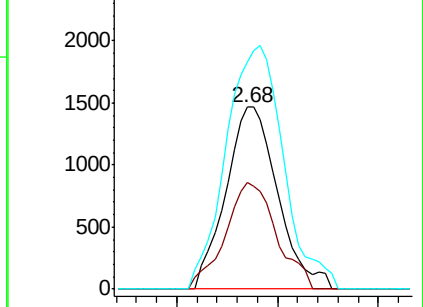
49 124.7 86.9 161.3

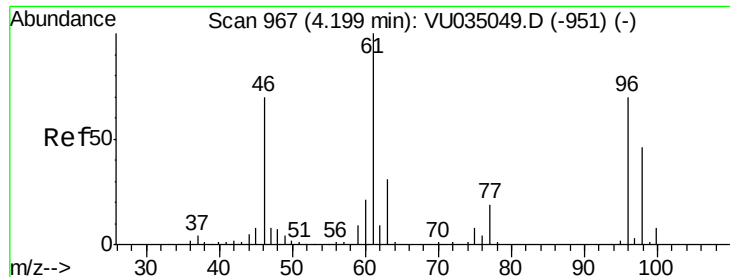


Abundance Ion 84.05 (83.75 to 84.75): VU035049.D (-483) (-)

Ion 86.00 (85.70 to 86.70): VU035049.D (-483) (-)

Ion 49.10 (48.80 to 49.80): VU035049.D (-483) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.250 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU035062.D

Acq: 10 Oct 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

RB-2-191003-01

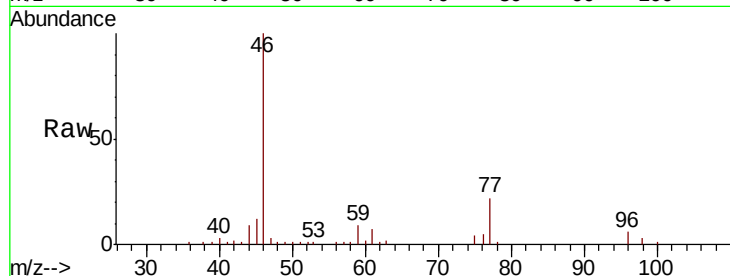
Tot Ion: 96 Resp: 3081

Ion Ratio Lower Upper

96 100

61 119.6 89.2 165.6

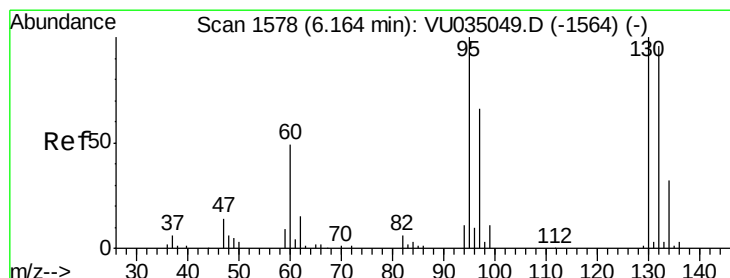
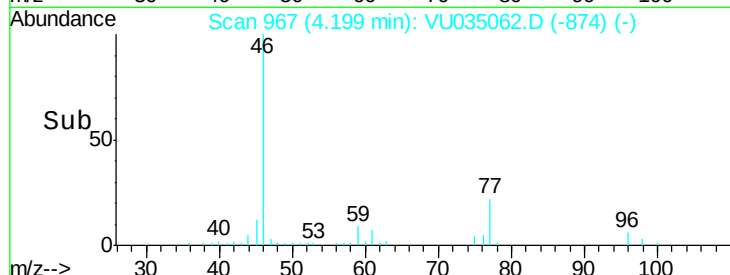
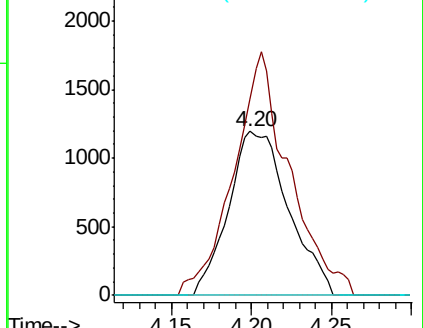
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035049.D (-951) (-)

Ion 61.05 (60.75 to 61.75): VU035049.D (-951) (-)

Ion 68.15 (67.85 to 68.85): VU035049.D (-951) (-)



#34

Trichloroethene

Concen: 0.376 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.01 min

Lab File: VU035062.D

Acq: 10 Oct 2019 21:01

Tgt Ion: 95 Resp: 4908

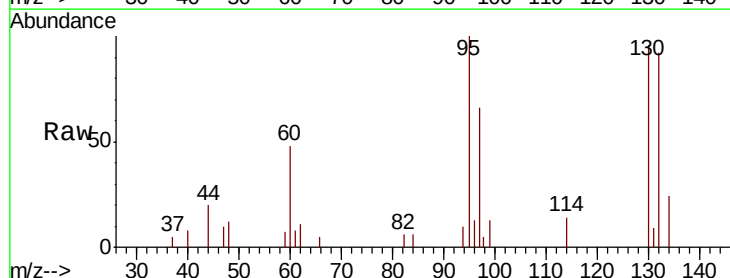
Ion Ratio Lower Upper

95 100

97 65.7 44.5 82.7

132 91.6 66.6 123.8

130 96.0 68.9 127.9

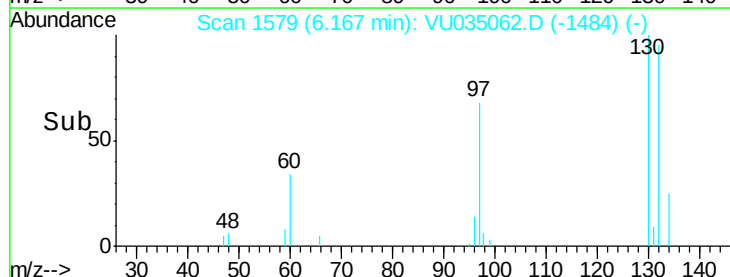
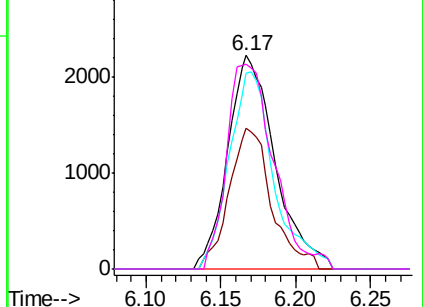


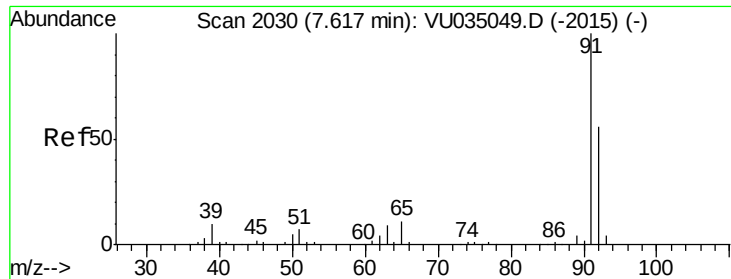
Abundance Ion 95.00 (94.70 to 95.70): VU035049.D (-1564) (-)

Ion 96.95 (96.65 to 97.65): VU035049.D (-1564) (-)

Ion 131.95 (131.65 to 132.65): VU035049.D (-1564) (-)

Ion 129.95 (129.65 to 130.65): VU035049.D (-1564) (-)





#42

Toluene

Concen: 0.577 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.01 min

Lab File: VU035062.D

Acq: 10 Oct 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

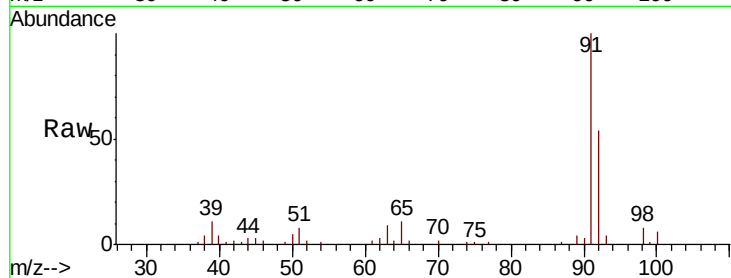
RB-2-191003-01

Tot Ion: 91 Resp: 30536

Ion Ratio Lower Upper

91 100

92 53.6 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU035049.D (-2015) (-)

Ion 92.15 (91.85 to 92.85): VU035049.D (-2015) (-)

7.62

15000

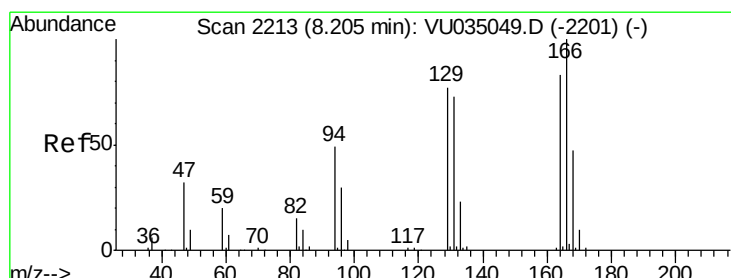
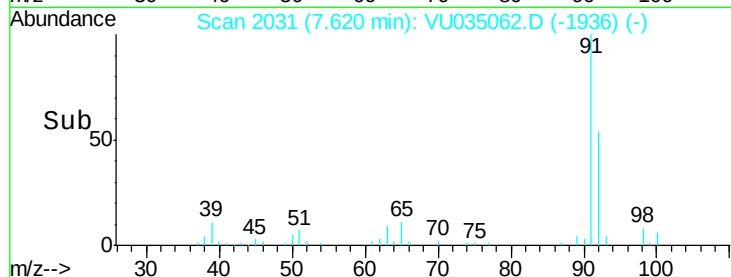
10000

5000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#47

Tetrachloroethene

Concen: 12.640 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. 0.00 min

Lab File: VU035062.D

Acq: 10 Oct 2019 21:01

Tgt Ion: 164 Resp: 133708

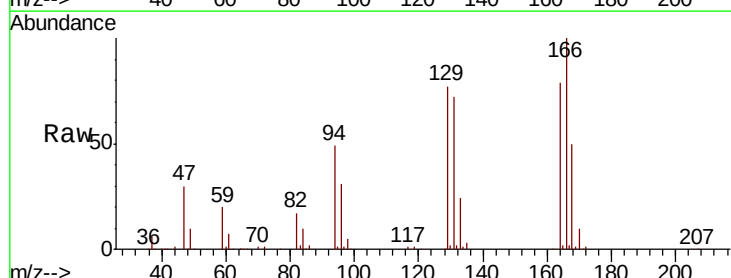
Ion Ratio Lower Upper

164 100

129 98.4 68.5 127.1

131 92.0 67.3 124.9

166 127.3 93.1 172.9



Abundance Ion 163.90 (163.60 to 164.60): VU035049.D (-2201) (-)

Ion 128.95 (128.65 to 129.65): VU035049.D (-2201) (-)

Ion 130.95 (130.65 to 131.65): VU035049.D (-2201) (-)

Ion 165.90 (165.60 to 166.60): VU035049.D (-2201) (-)

150000

100000

50000

0

8.15 8.20 8.25 8.30

Time-->

