

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101219\
 Data File : VU035089.D
 Acq On : 11 Oct 2019 14:48
 Operator : JC/SP
 Sample : K5310-20
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 OU2-MW-2-001-01

Quant Time: Oct 12 02:39:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 12 01:49:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	155992	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	166059	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	60741	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	56455	6.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	122.40%
7) Chloroethane-d5	1.68	69	49013	5.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.80%
11) 1,1-Dichloroethene-d2	2.26	63	80122	4.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.40%
20) 2-Butanone-d5	4.17	46	144564	53.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.48%
24) Chloroform-d	4.62	84	89203	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	5.29	65	54709	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.00%
32) Benzene-d6	5.32	84	193071	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.31	67	68797	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.80%
41) Toluene-d8	7.55	98	169387	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	7.84	79	19604	4.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.80%
46) 2-Hexanone-d5	8.30	63	107635	48.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.62%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	54542	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	57484	5.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.20%

Target Compounds

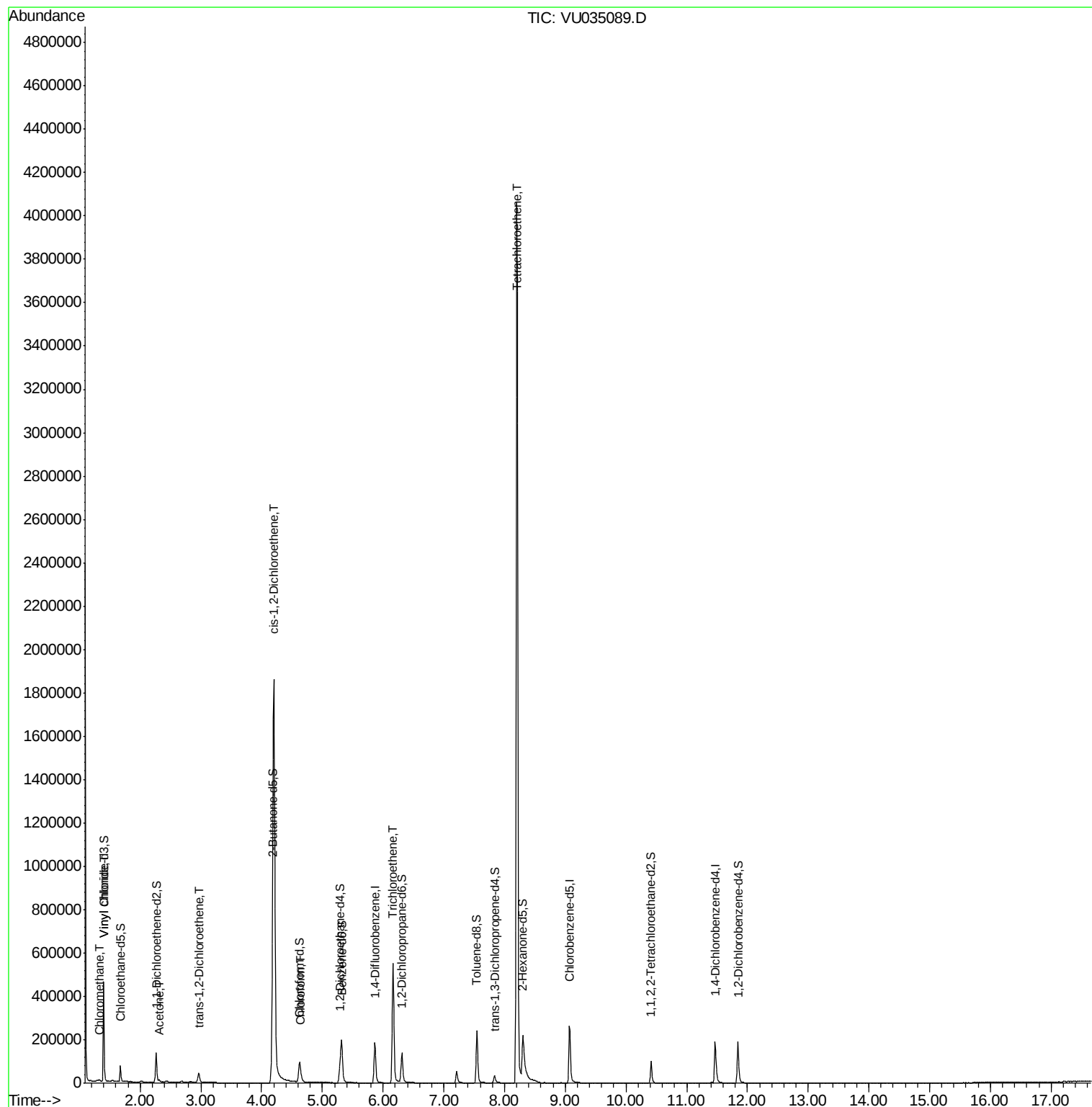
					Ovalue
3) Chloromethane	1.33	50	3719	0.238	ug/L 98
5) Vinyl chloride	1.40	62	250268	16.292	ug/L 99
13) Acetone	2.31	43	9180	4.128	ug/L 94
18) trans-1,2-Dichloroethene	2.96	96	16610	1.548	ug/L 97
22) cis-1,2-Dichloroethene	4.20	96	1057843	88.391	ug/L 91
25) Chloroform	4.65	83	15390	0.642	ug/L 92
34) Trichloroethene	6.16	95	200341	15.530	ug/L 98
47) Tetrachloroethene	8.21	164	891442	85.370	ug/L 97

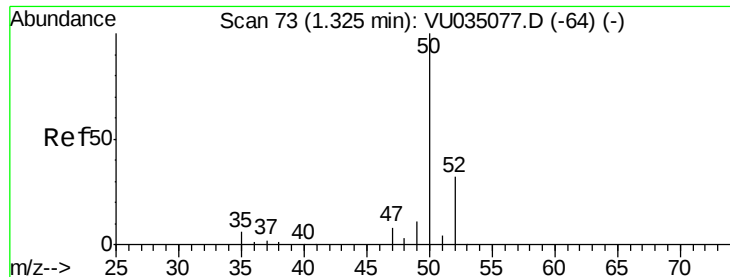
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.238 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU035089.D

Acq: 11 Oct 2019 14:48

Instrument :

MSVOA_U

ClientSampleId :

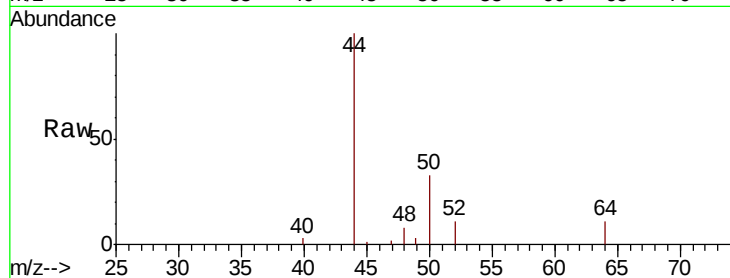
OU2-MW-2-001-01

Tot Ion: 50 Resp: 3719

Ion Ratio Lower Upper

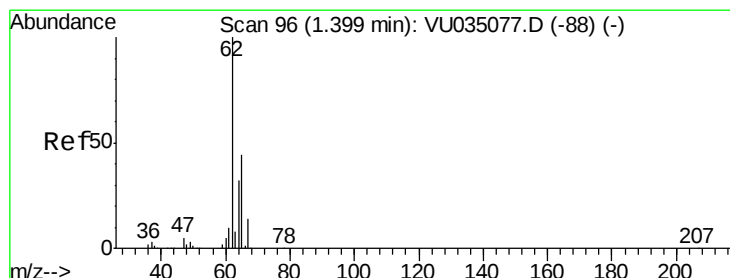
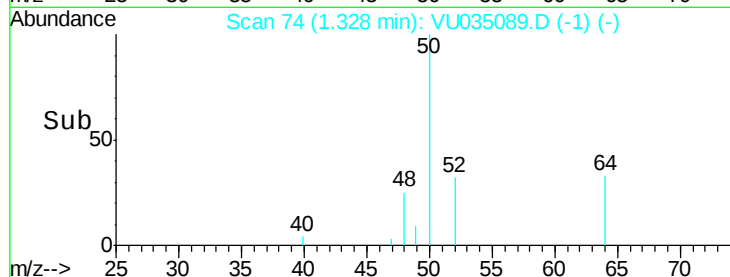
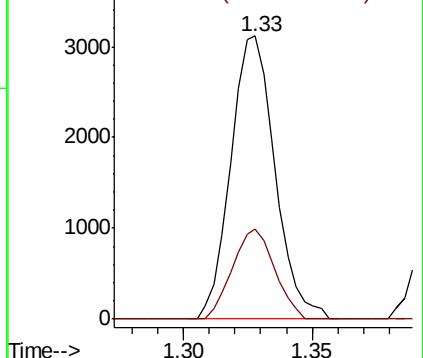
50 100

52 32.0 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 16.292 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU035089.D

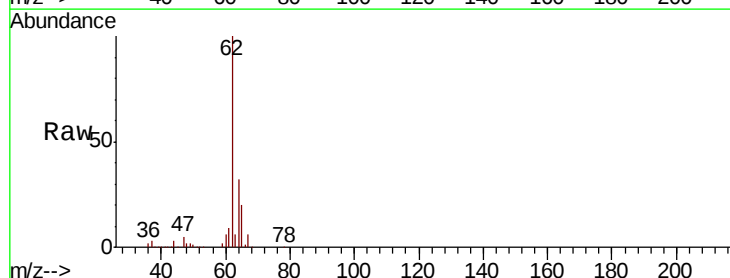
Acq: 11 Oct 2019 14:48

Tgt Ion: 62 Resp: 250268

Ion Ratio Lower Upper

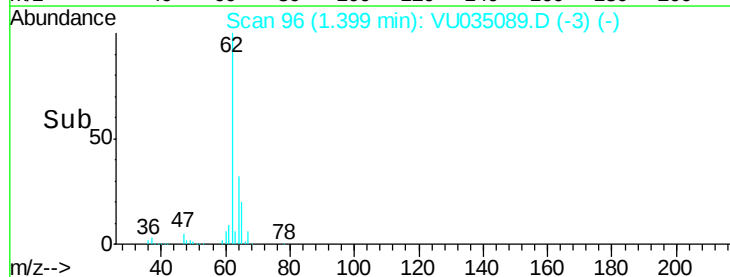
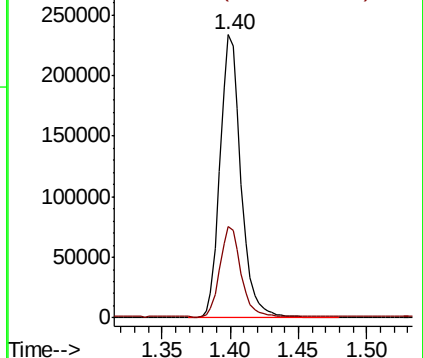
62 100

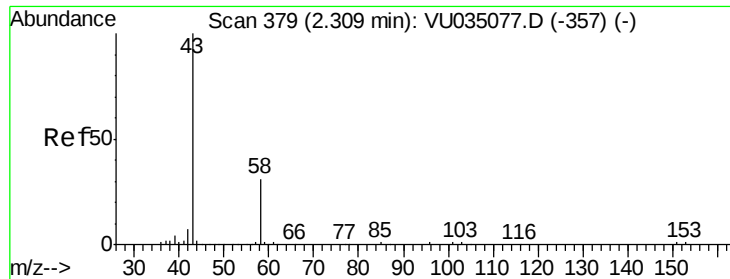
64 32.1 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#13

Acetone

Concen: 4.128 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU035089.D

Acq: 11 Oct 2019 14:48

Instrument :

MSVOA_U

ClientSampleId :

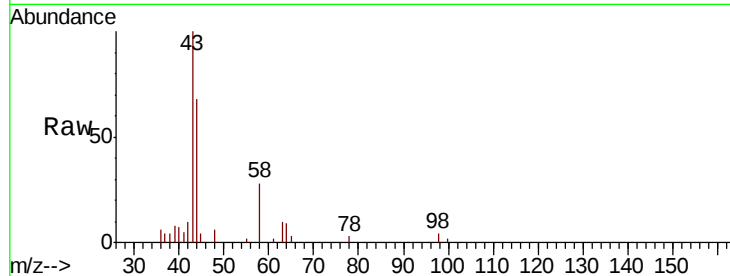
OU2-MW-2-001-01

Tot Ion: 43 Resp: 9180

Ion Ratio Lower Upper

43 100

58 29.8 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU035077.D (-357) (-)

Ion 58.05 (57.75 to 58.75): VU035077.D (-357) (-)

2.31

6000

5000

4000

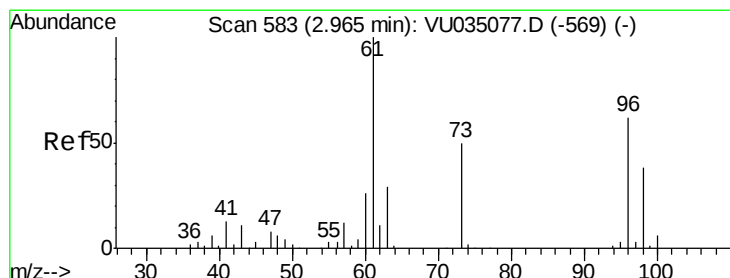
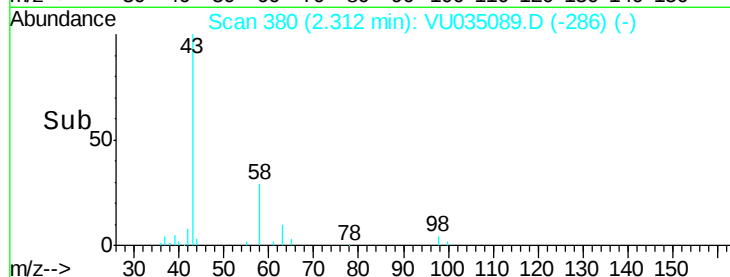
3000

2000

1000

0

Time--> 2.25 2.30 2.35



#18

trans-1,2-Dichloroethene

Concen: 1.548 ug/L

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU035089.D

Acq: 11 Oct 2019 14:48

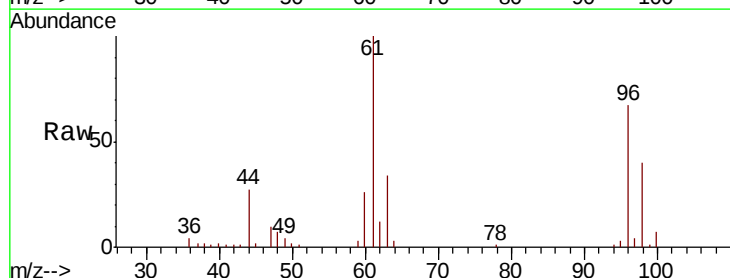
Tgt Ion: 96 Resp: 16610

Ion Ratio Lower Upper

96 100

61 150.3 107.1 198.9

98 59.6 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VU035077.D (-569) (-)

Ion 61.05 (60.75 to 61.75): VU035077.D (-569) (-)

Ion 97.95 (97.65 to 98.65): VU035077.D (-569) (-)

2.96

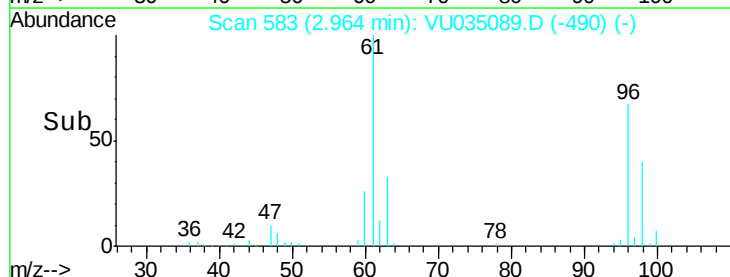
15000

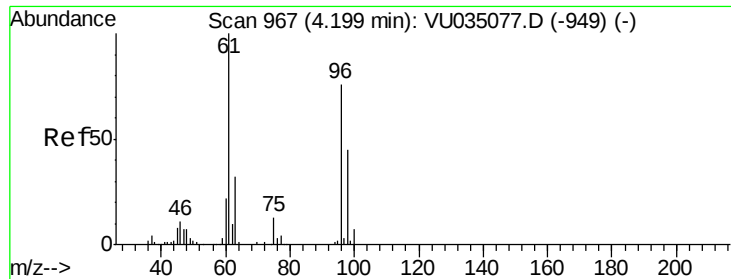
10000

5000

0

Time--> 2.90 2.95 3.00 3.05



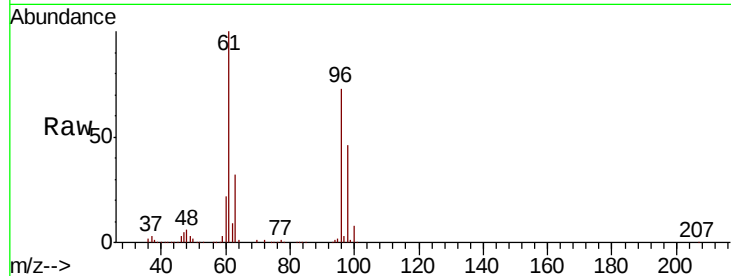


#22

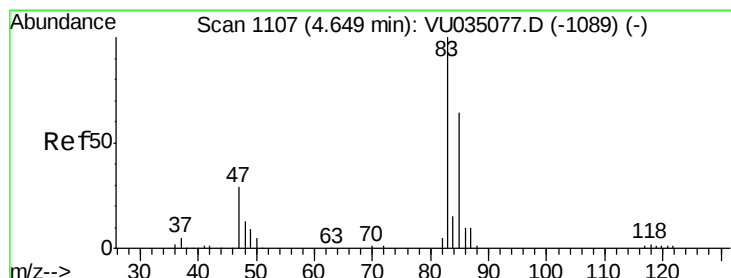
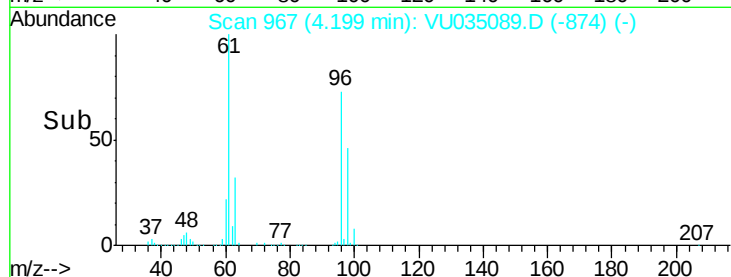
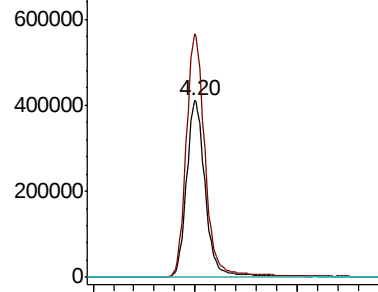
cis-1,2-Dichloroethene
 Concen: 88.391 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU035089.D
 Acq: 11 Oct 2019 14:48

Instrument :
 MSVOA_U
 ClientSampleId :
 OU2-MW-2-001-01

Tot Ion: 96 Resp: 1057843
 Ion Ratio Lower Upper
 96 100
 61 137.8 89.2 165.6
 68 0.0 0.0 0.0



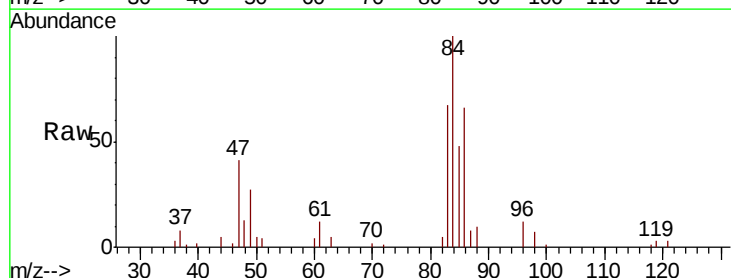
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



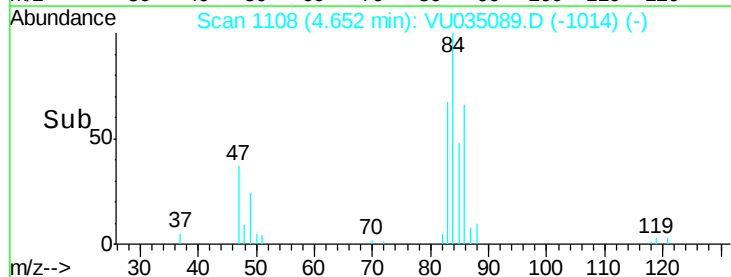
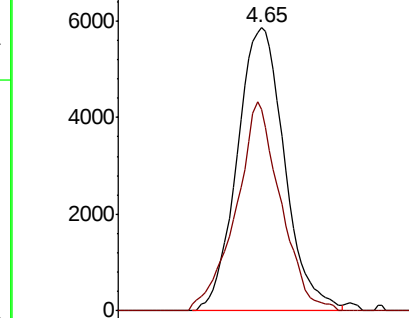
#25

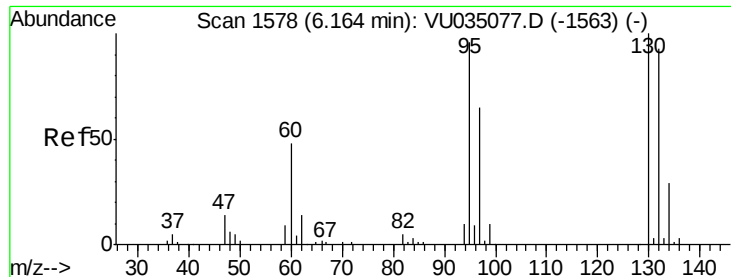
Chloroform
 Concen: 0.642 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VU035089.D
 Acq: 11 Oct 2019 14:48

Tgt Ion: 83 Resp: 15390
 Ion Ratio Lower Upper
 83 100
 85 71.0 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0

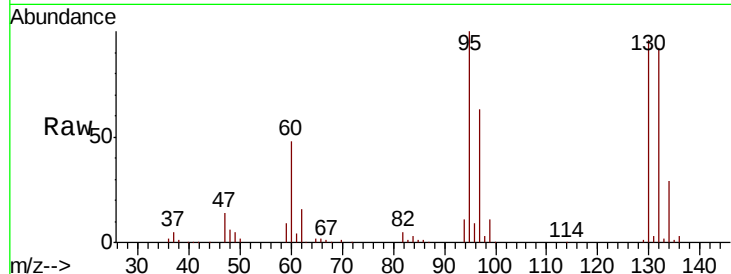




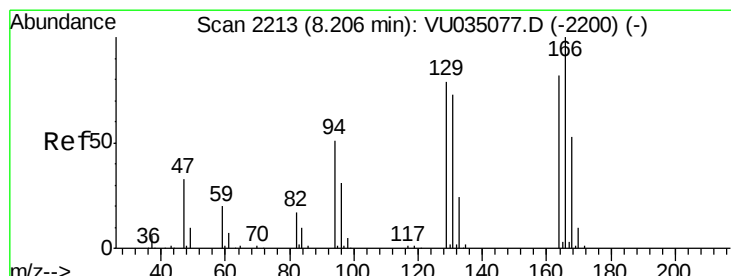
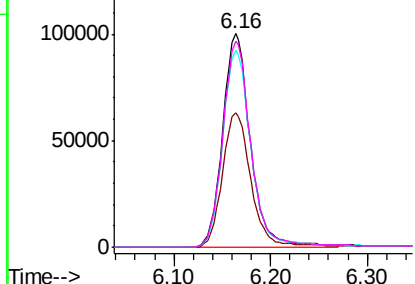
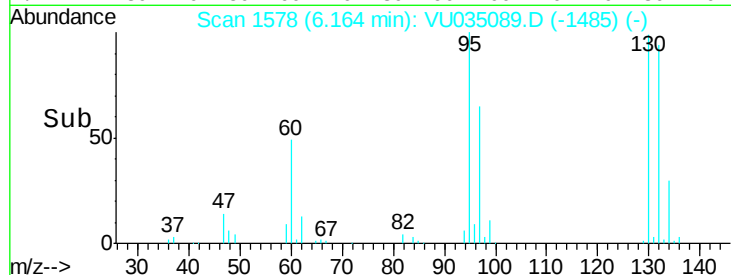
#34
 Trichloroethene
 Concen: 15.530 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VU035089.D
 Acq: 11 Oct 2019 14:48

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Tot Ion:	95	Resp:	200341
Ion	Ratio	Lower	Upper
95	100		
97	63.0	44.5	82.7
132	92.1	66.6	123.8
130	96.5	68.9	127.9

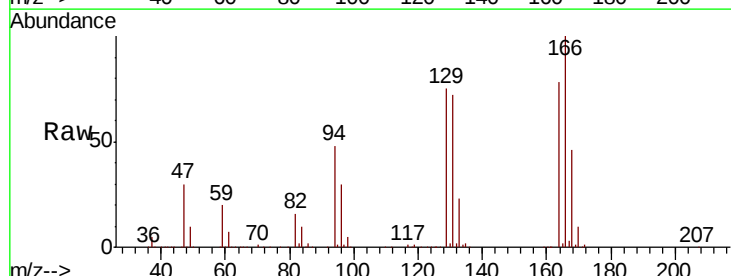


Abundance Ion 95.00 (94.70 to 95.70): VU035089.D (-1485) (-)



#47
 Tetrachloroethene
 Concen: 85.370 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VU035089.D
 Acq: 11 Oct 2019 14:48

Tgt Ion:	164	Resp:	891442
Ion	Ratio	Lower	Upper
164	100		
129	96.3	68.5	127.1
131	93.3	67.3	124.9
166	128.7	93.1	172.9



Abundance Ion 163.90 (163.60 to 164.60): VU035089.D (-2120) (-)

