

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090819\
 Data File : VU034380.D
 Acq On : 07 Sep 2019 15:01
 Operator : JC/SP
 Sample : K4724-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDA2

Quant Time: Sep 09 05:23:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR090119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 03 14:18:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	291186	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	292837	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	144151	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	74288	3.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.80%
7) Chloroethane-d5	1.68	69	67003	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.20%
11) 1,1-Dichloroethene-d2	2.26	63	123336	3.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.20%
20) 2-Butanone-d5	4.17	46	226681	50.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.08%
24) Chloroform-d	4.63	84	155819	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
26) 1,2-Dichloroethane-d4	5.29	65	76916	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
32) Benzene-d6	5.32	84	328577	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
36) 1,2-Dichloropropane-d6	6.31	67	106656	4.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.00%
41) Toluene-d8	7.55	98	288886	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.80%
43) trans-1,3-Dichloropropene-	7.83	79	35435	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	8.30	63	171914	47.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.08%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	84712	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	11.84	152	122465	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

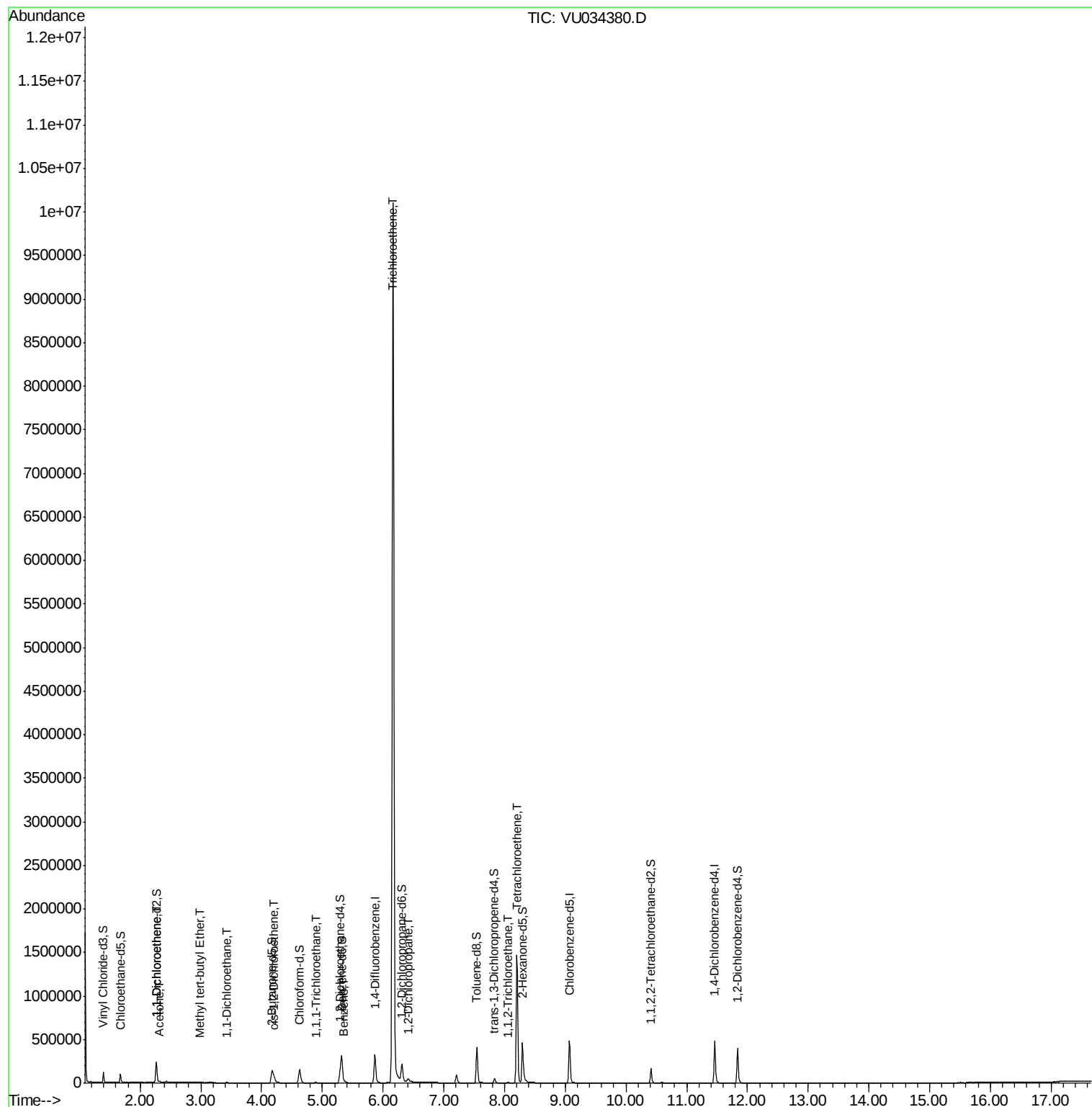
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.28	96	25112	1.387	ug/L #	60
13) Acetone	2.31	43	15510	5.113	ug/L	89
17) Methyl tert-butyl Ether	2.99	73	6360	0.141	ug/L #	87
19) 1,1-Dichloroethane	3.42	63	6812	0.176	ug/L	93
22) cis-1,2-Dichloroethene	4.21	96	27626	1.254	ug/L	84
29) 1,1,1-Trichloroethane	4.89	97	5267	0.164	ug/L	96
33) Benzene	5.37	78	13510	0.153	ug/L	100
34) Trichloroethene	6.16	95	3628085	158.932	ug/L	97
37) 1,2-Dichloropropane	6.41	63	12992	0.569	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	3184	0.218	ug/L	91
47) Tetrachloroethene	8.21	164	358845	19.126	ug/L	96

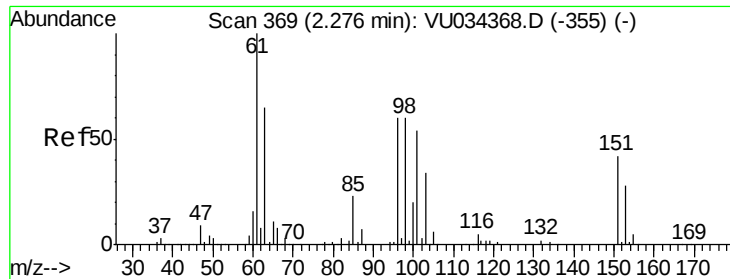
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 1.387 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034380.D

Acq: 07 Sep 2019 15:01

Instrument :

MSVOA_U

ClientSampleId :

BFDA2

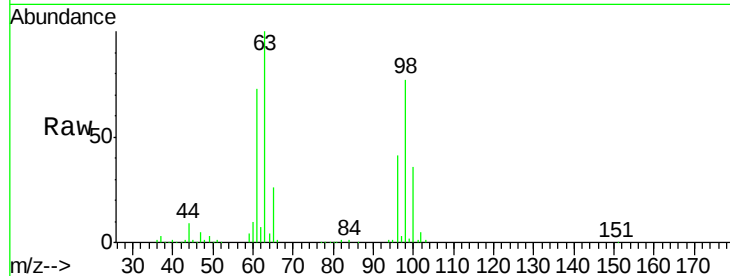
Tot Ion: 96 Resp: 25112

Ion Ratio Lower Upper

96 100

61 177.5 126.6 235.0

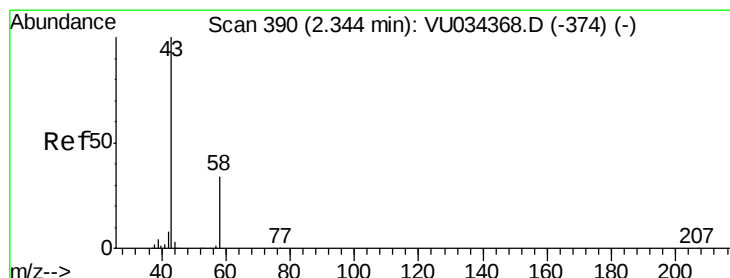
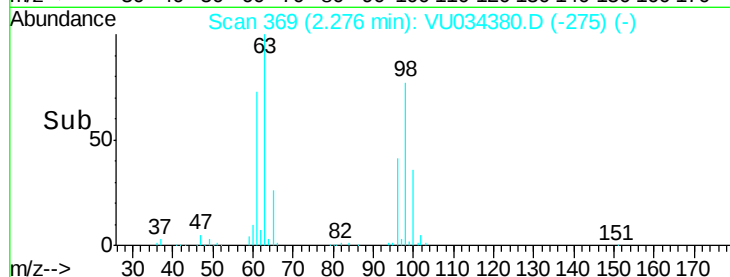
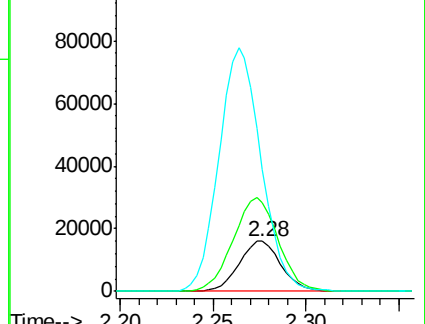
63 242.4 94.5 175.5#



Abundance Ion 96.00 (95.70 to 96.70): VU034380.D (-275) (-)

Ion 61.05 (60.75 to 61.75): VU034380.D (-275) (-)

Ion 63.00 (62.70 to 63.70): VU034380.D (-275) (-)



#13

Acetone

Concen: 5.113 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.01 min

Lab File: VU034380.D

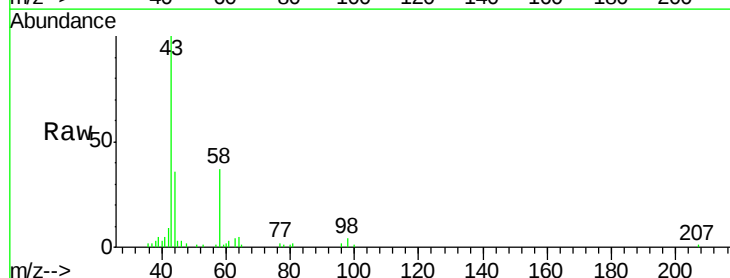
Acq: 07 Sep 2019 15:01

Tgt Ion: 43 Resp: 15510

Ion Ratio Lower Upper

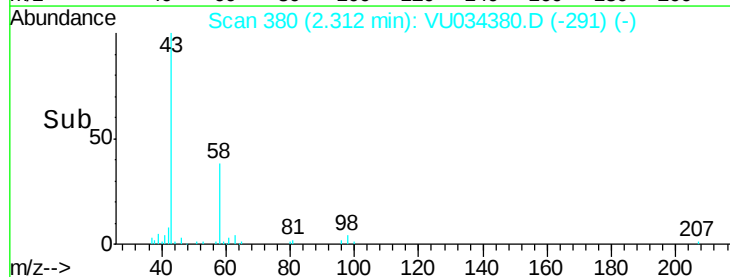
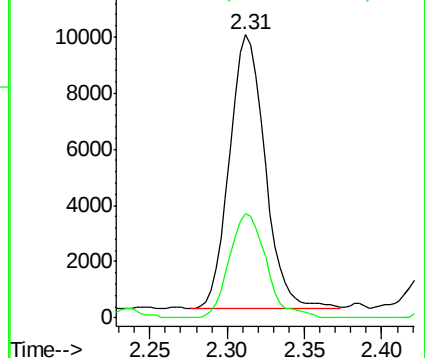
43 100

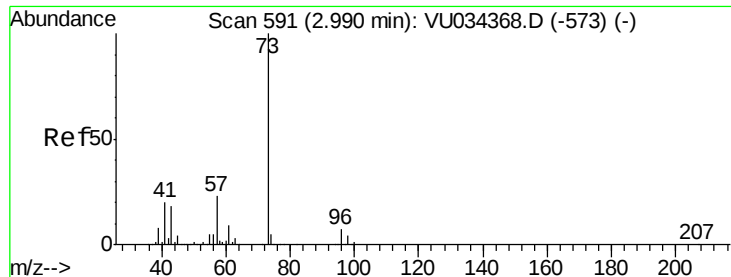
58 39.8 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU034380.D (-291) (-)

Ion 58.05 (57.75 to 58.75): VU034380.D (-291) (-)

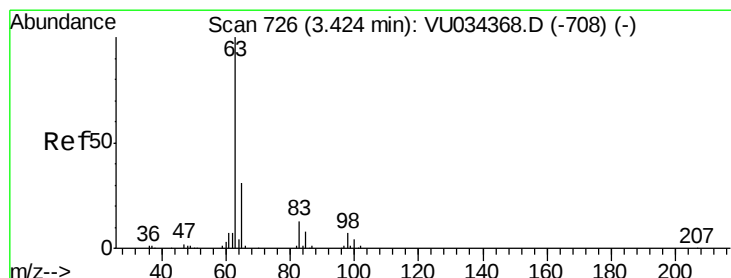
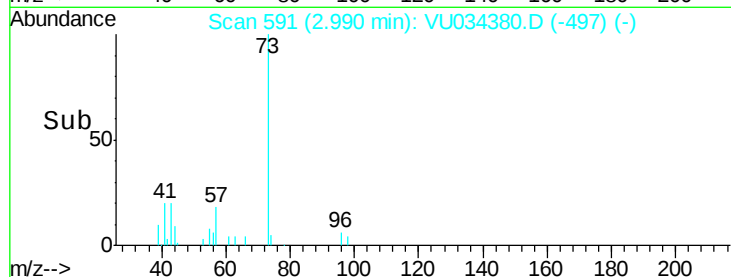
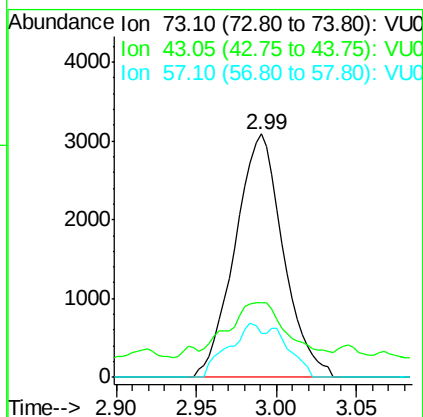
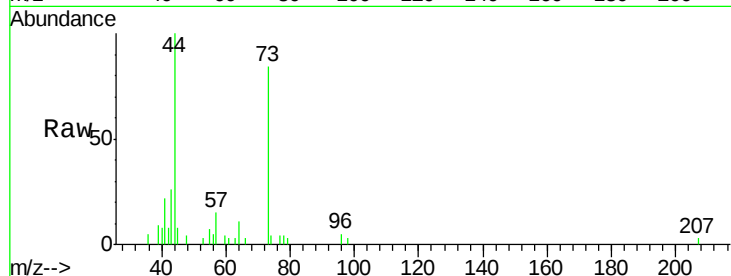




#17
Methvl tert-butvl Ether
Concen: 0.141 ug/L
RT: 2.99 min Scan# 591
Delta R.T. 0.00 min
Lab File: VU034380.D
Acq: 07 Sep 2019 15:01

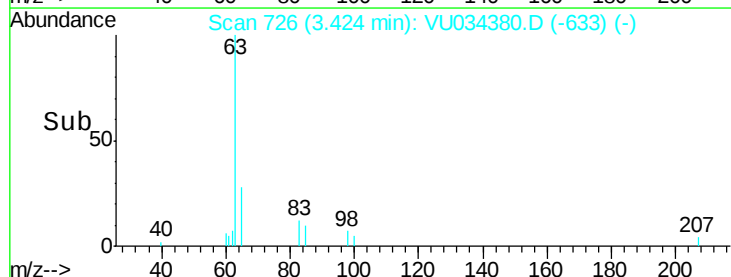
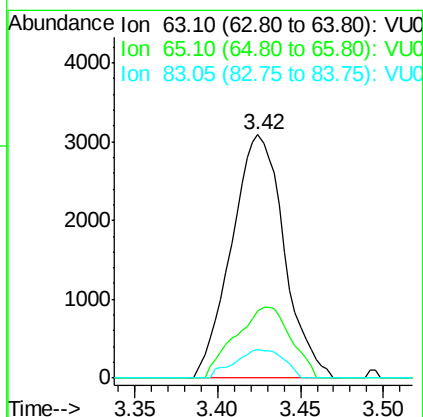
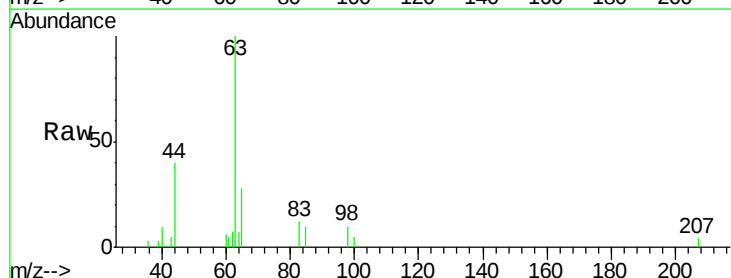
Instrument :
MSVOA_U
ClientSampleId :
BFDA2

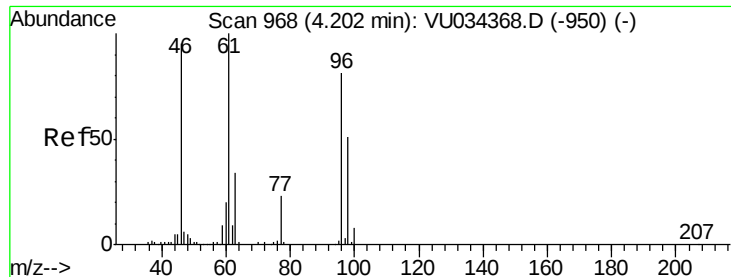
Tot Ion: 73 Resp: 6360
Ion Ratio Lower Upper
73 100
43 21.9 14.7 22.1
57 14.8 18.6 27.8#



#19
1,1-Dichloroethane
Concen: 0.176 ug/L
RT: 3.42 min Scan# 726
Delta R.T. 0.00 min
Lab File: VU034380.D
Acq: 07 Sep 2019 15:01

Tgt Ion: 63 Resp: 6812
Ion Ratio Lower Upper
63 100
65 27.6 22.5 41.9
83 11.8 9.1 16.9





#22

cis-1,2-Dichloroethene

Concen: 1.254 ug/L

RT: 4.21 min Scan# 969

Delta R.T. 0.00 min

Lab File: VU034380.D

Acq: 07 Sep 2019 15:01

Instrument :

MSVOA_U

ClientSampleId :

BFDA2

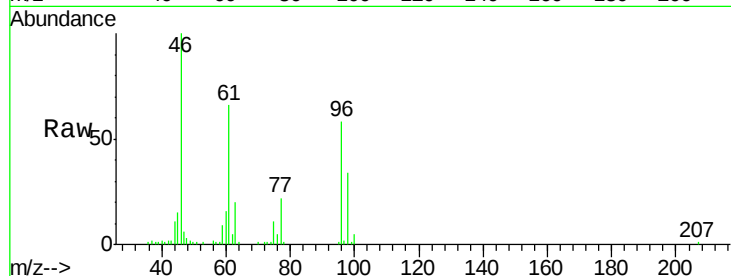
Tot Ion: 96 Resp: 27626

Ion Ratio Lower Upper

96 100

61 114.5 93.6 173.8

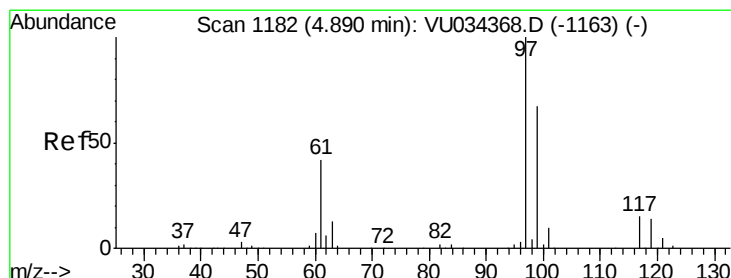
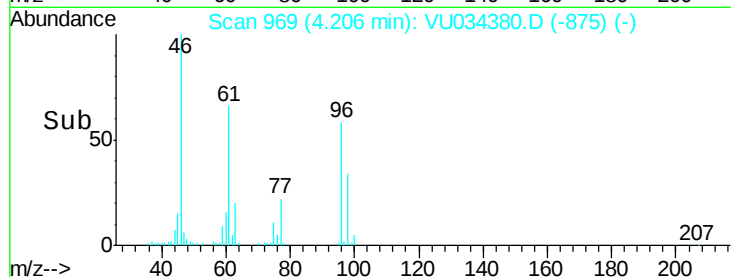
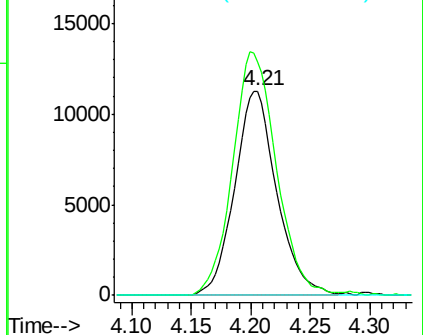
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU034380.D (-875) (-)

Ion 61.05 (60.75 to 61.75): VU034380.D (-875) (-)

Ion 68.15 (67.85 to 68.85): VU034380.D (-875) (-)



#29

1,1,1-Trichloroethane

Concen: 0.164 ug/L

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU034380.D

Acq: 07 Sep 2019 15:01

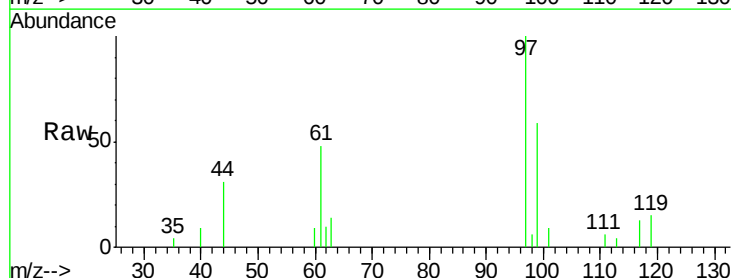
Tgt Ion: 97 Resp: 5267

Ion Ratio Lower Upper

97 100

99 66.8 52.1 78.1

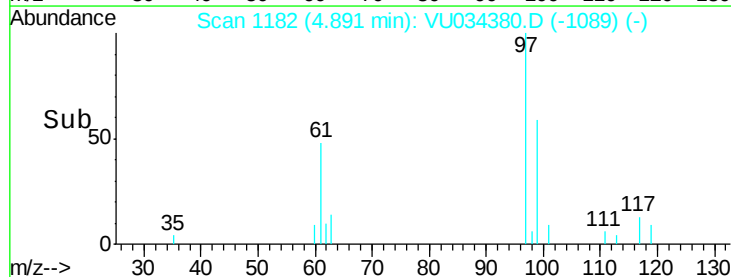
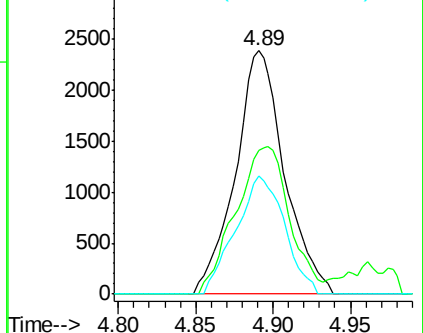
61 48.4 35.4 53.2

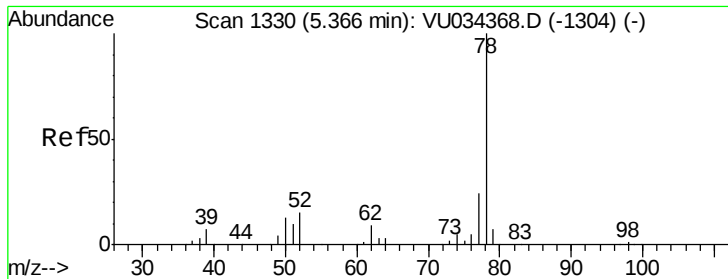


Abundance Ion 96.95 (96.65 to 97.65): VU034380.D (-1089) (-)

Ion 99.05 (98.75 to 99.75): VU034380.D (-1089) (-)

Ion 61.05 (60.75 to 61.75): VU034380.D (-1089) (-)





#33

Benzene

Concen: 0.153 ug/L

RT: 5.37 min Scan# 1330

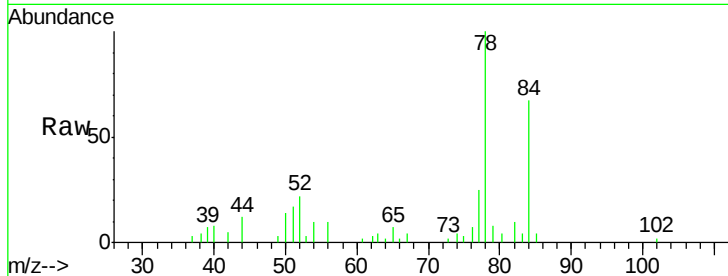
Delta R.T. 0.00 min

Lab File: VU034380.D

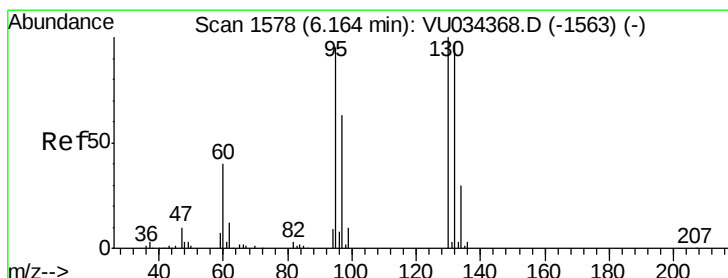
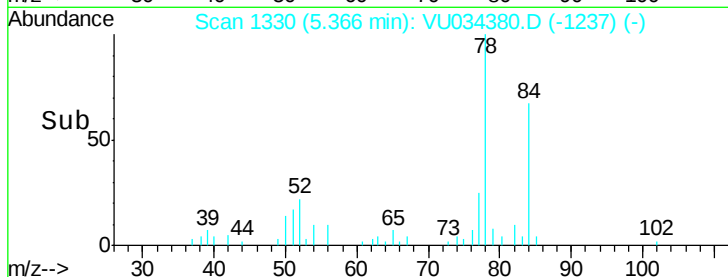
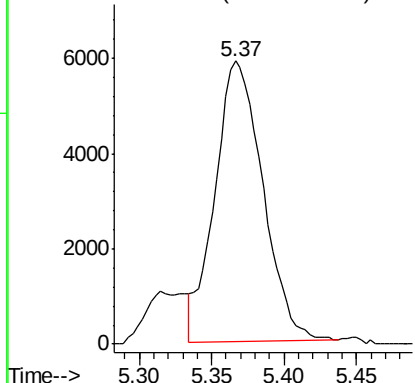
Acq: 07 Sep 2019 15:01

Instrument :
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ClientSampleId :
BFDA2

Tgt Ion: 78 Resp: 13510



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 158.932 ug/L

RT: 6.16 min Scan# 1578

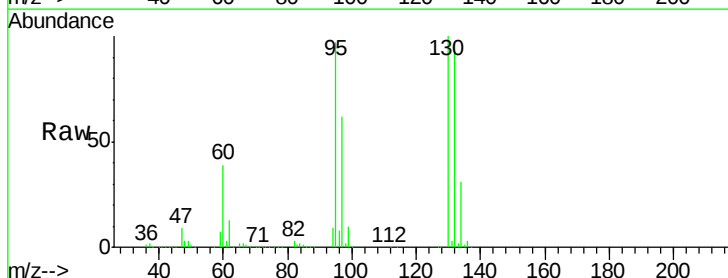
Delta R.T. -0.00 min

Lab File: VU034380.D

Acq: 07 Sep 2019 15:01

Tgt Ion: 95 Resp: 3628085

Ion	Ratio	Lower	Upper
95	100		
97	64.4	43.3	80.5
132	100.8	68.6	127.4
130	103.5	70.5	130.9

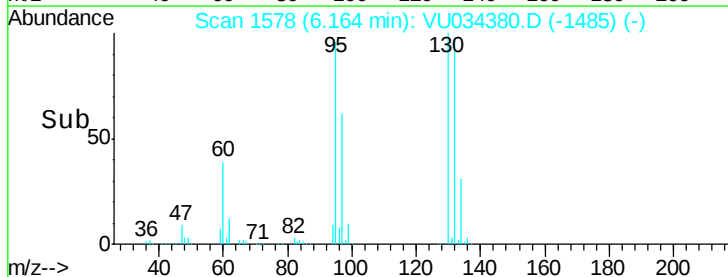
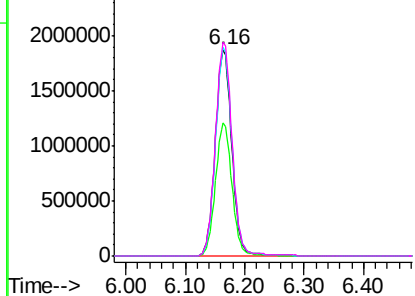


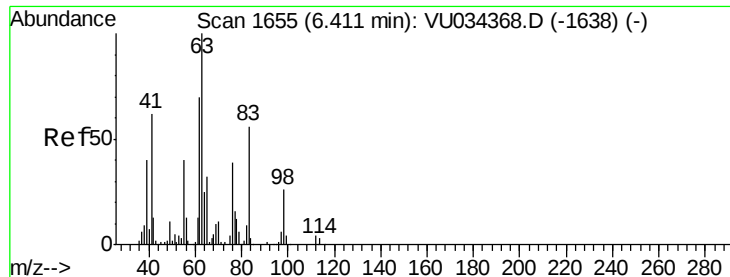
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

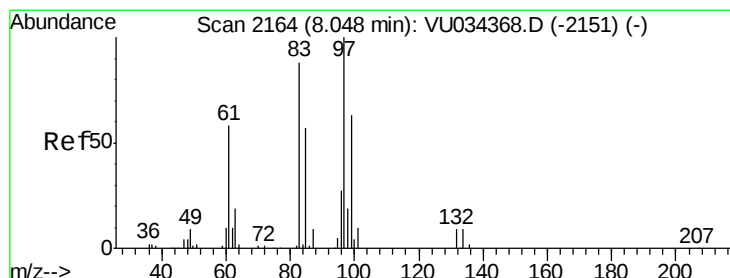
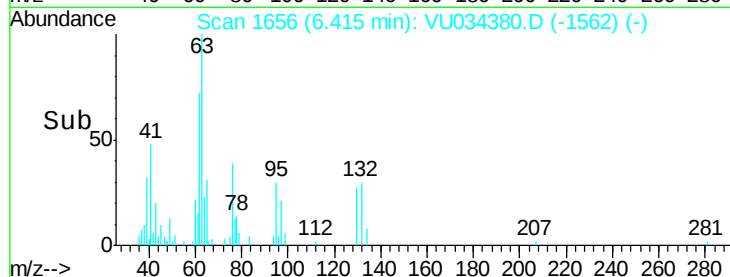
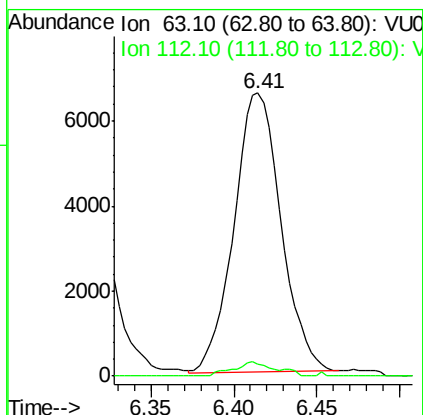
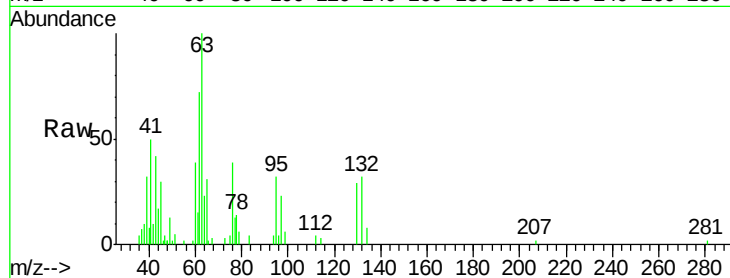




#37
 1,2-Dichloropropane
 Concen: 0.569 ug/L
 RT: 6.41 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: VU034380.D
 Acq: 07 Sep 2019 15:01

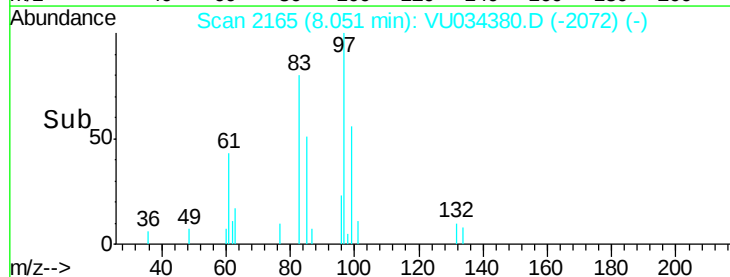
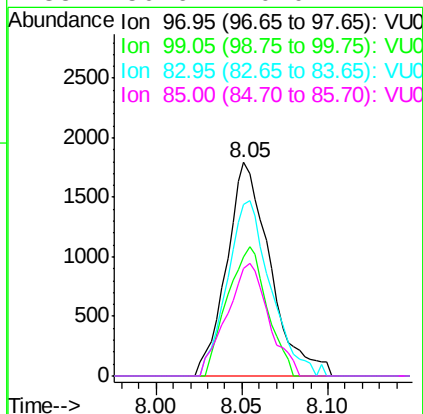
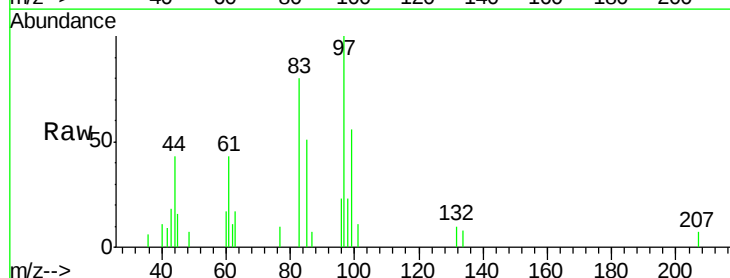
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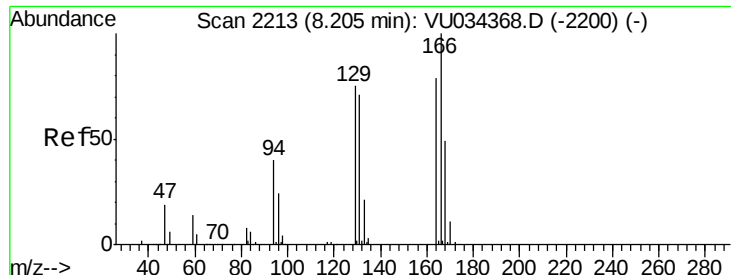
Tot Ion: 63 Resp: 12992
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.3 4.9



#45
 1,1,2-Trichloroethane
 Concen: 0.218 ug/L
 RT: 8.05 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VU034380.D
 Acq: 07 Sep 2019 15:01

Tgt Ion: 97 Resp: 3184
 Ion Ratio Lower Upper
 97 100
 99 56.0 45.5 84.5
 83 80.0 61.5 114.3
 85 50.6 40.0 74.2





#47

Tetrachloroethene

Concen: 19.126 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU034380.D

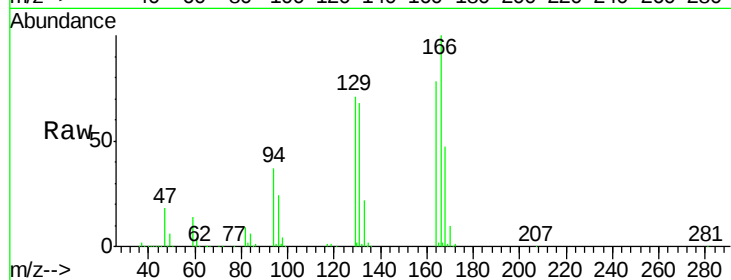
Acq: 07 Sep 2019 15:01

Instrument :

MSVOA_U

ClientSampleId :

BFDA2



Tot Ion:164 Resp: 358845

Ion Ratio Lower Upper

164 100

129 91.7 68.0 126.2

131 87.7 64.6 120.0

166 128.5 92.0 170.8

Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

