

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090819\
 Data File : VU034384.D
 Acq On : 07 Sep 2019 16:38
 Operator : JC/SP
 Sample : K4724-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDA8

Quant Time: Sep 09 05:33:41 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	5.87	114	308458	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	308224	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	171750	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	75464	3.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.60%
7) Chloroethane-d5	1.68	69	71001	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.20%
11) 1,1-Dichloroethene-d2	2.26	63	118037	3.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.60%
20) 2-Butanone-d5	4.17	46	225856	47.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.12%
24) Chloroform-d	4.63	84	167685	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	5.29	65	80975	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
32) Benzene-d6	5.32	84	354311	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.31	67	114051	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.40%
41) Toluene-d8	7.55	98	319378	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
43) trans-1,3-Dichloropropene-	7.83	79	38540	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
46) 2-Hexanone-d5	8.30	63	178650	46.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.90%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	84825	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.40%
64) 1,2-Dichlorobenzene-d4	11.84	152	144489	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

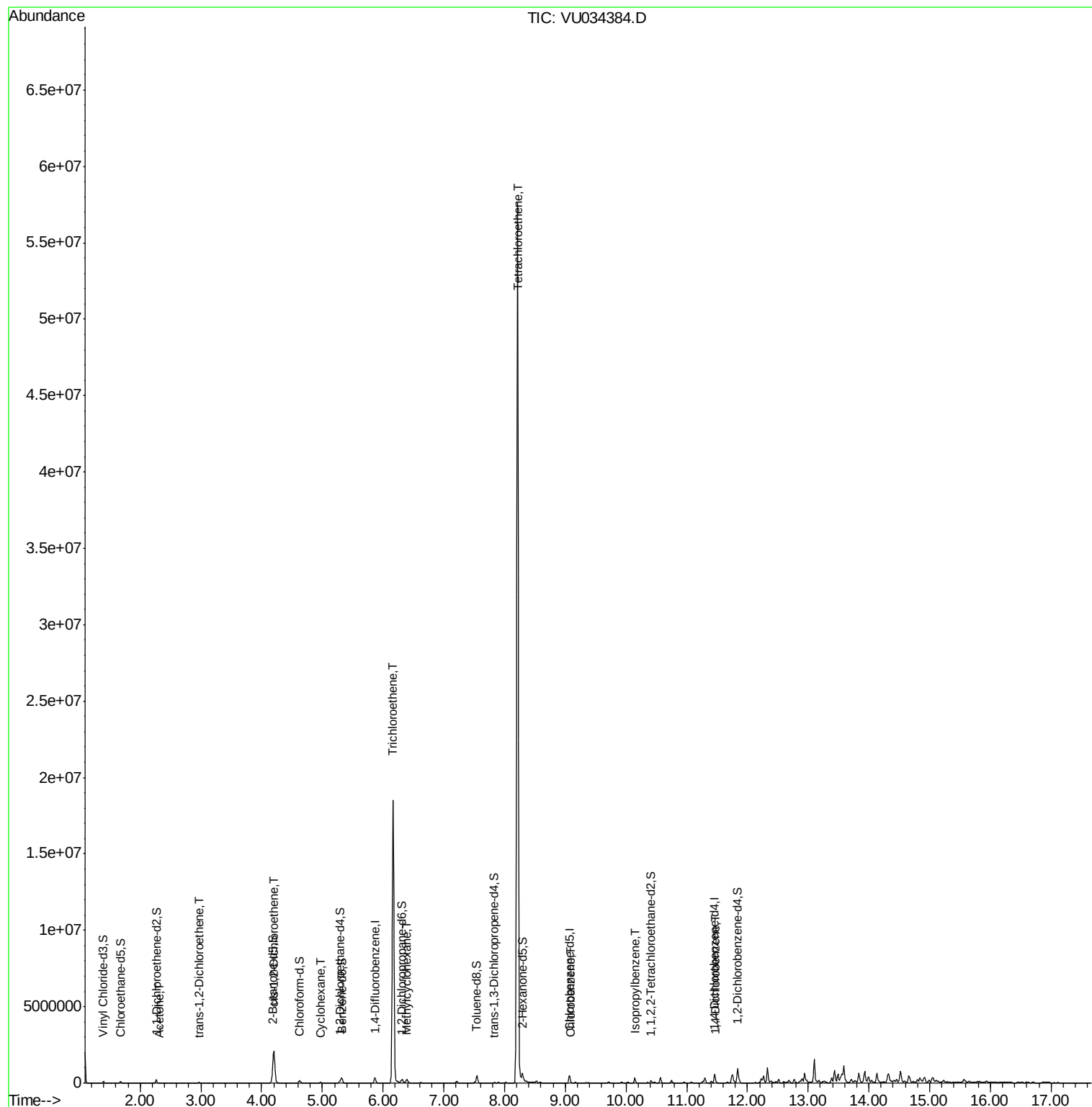
					Ovalue
13) Acetone	2.31	43	10805	3.363	ug/L 97
18) trans-1,2-Dichloroethene	2.96	96	10754	0.518	ug/L 93
22) cis-1,2-Dichloroethene	4.20	96	1216078	52.123	ug/L 95
30) Cyclohexane	4.97	56	16951	0.424	ug/L 95
34) Trichloroethene	6.16	95	6557337	272.912	ug/L 96
35) Methylcyclohexane	6.39	83	82491	2.072	ug/L 95
47) Tetrachloroethene	8.22	164	15032477	761.230	ug/L 88
51) Chlorobenzene	9.10	112	6635	0.106	ug/L # 84
56) Isopropylbenzene	10.14	105	227157	2.181	ug/L 99
63) 1,4-Dichlorobenzene	11.49	146	7893	0.146	ug/L 96

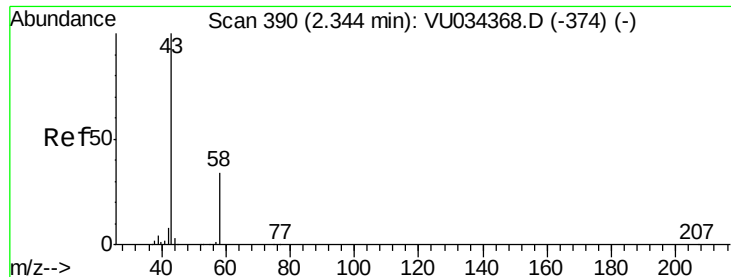
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 03 14:18:00 2019
Response via : Initial Calibration





#13

Acetone

Concen: 3.363 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.01 min

Lab File: VU034384.D

Acq: 07 Sep 2019 16:38

Instrument :

MSVOA_U

ClientSampleId :

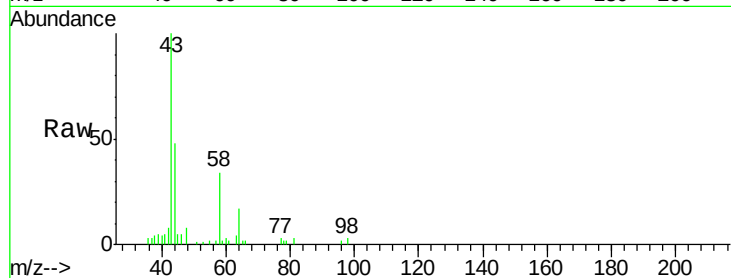
BFDA8

Tot Ion: 43 Resp: 10805

Ion Ratio Lower Upper

43 100

58 35.7 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU034384.D (-380) (-)

Ion 58.05 (57.75 to 58.75): VU034384.D (-380) (-)

2.31

8000

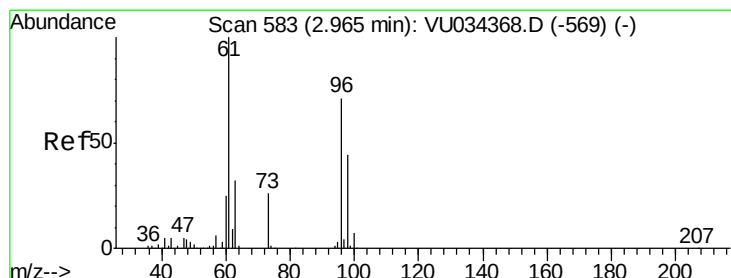
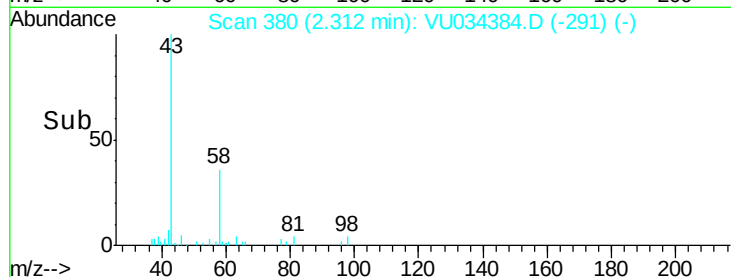
6000

4000

2000

0

Time--> 2.25 2.30 2.35



#18

trans-1,2-Dichloroethene

Concen: 0.518 ug/L

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU034384.D

Acq: 07 Sep 2019 16:38

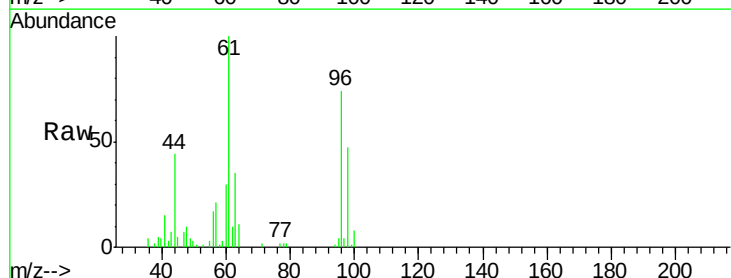
Tgt Ion: 96 Resp: 10754

Ion Ratio Lower Upper

96 100

61 135.9 103.5 192.3

98 63.9 44.9 83.3



Abundance Ion 96.00 (95.70 to 96.70): VU034384.D (-583) (-)

Ion 61.05 (60.75 to 61.75): VU034384.D (-583) (-)

Ion 97.95 (97.65 to 98.65): VU034384.D (-583) (-)

2.96

10000

8000

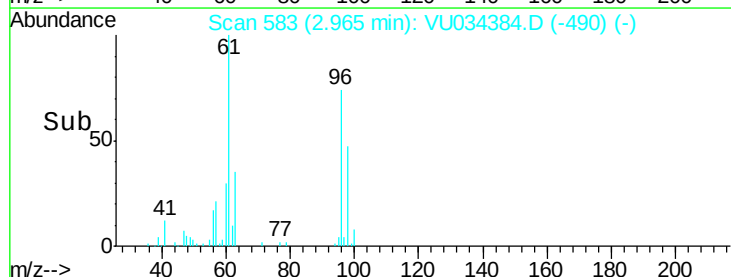
6000

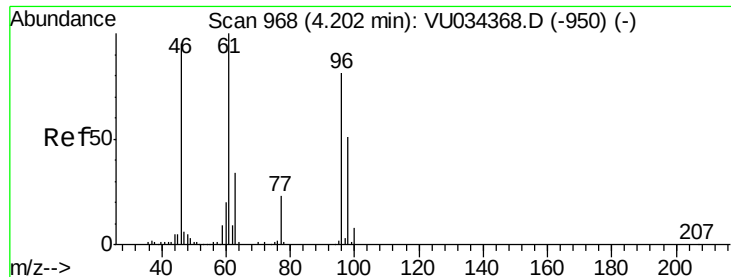
4000

2000

0

Time--> 2.90 2.95 3.00 3.05





#22

cis-1,2-Dichloroethene

Concen: 52.123 ug/L

RT: 4.20 min Scan# 968

Delta R.T. -0.00 min

Lab File: VU034384.D

Acq: 07 Sep 2019 16:38

Instrument :

MSVOA_U

ClientSampleId :

BFDA8

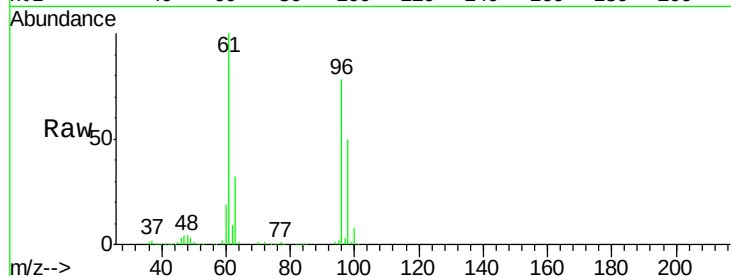
Tot Ion: 96 Resp: 1216078

Ion Ratio Lower Upper

96 100

61 127.5 93.6 173.8

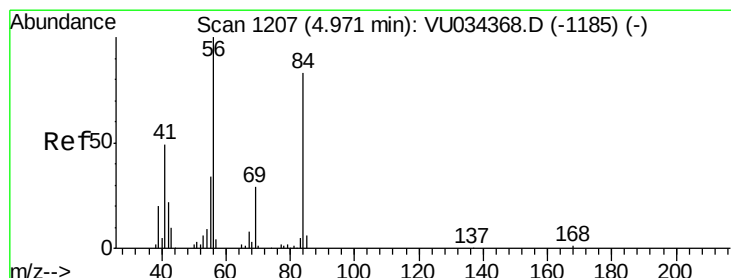
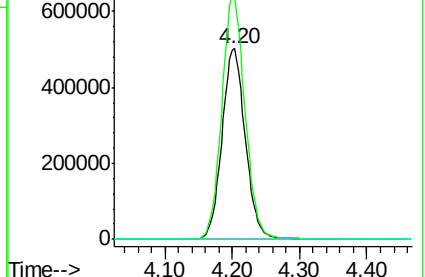
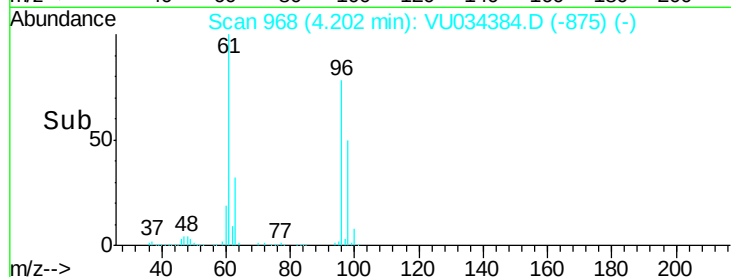
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU034384.D (-875) (-)

Ion 61.05 (60.75 to 61.75): VU034384.D (-875) (-)

Ion 68.15 (67.85 to 68.85): VU034384.D (-875) (-)



#30

Cyclohexane

Concen: 0.424 ug/L

RT: 4.97 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VU034384.D

Acq: 07 Sep 2019 16:38

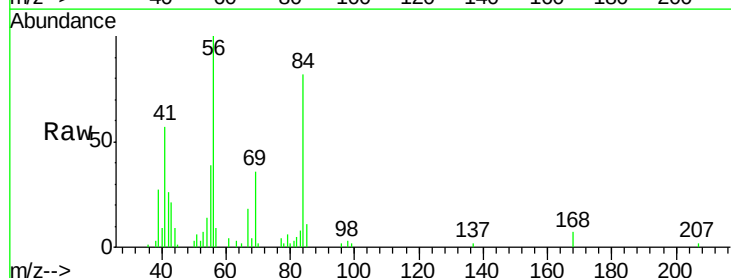
Tgt Ion: 56 Resp: 16951

Ion Ratio Lower Upper

56 100

69 34.6 24.2 36.4

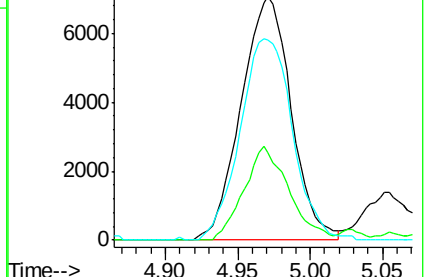
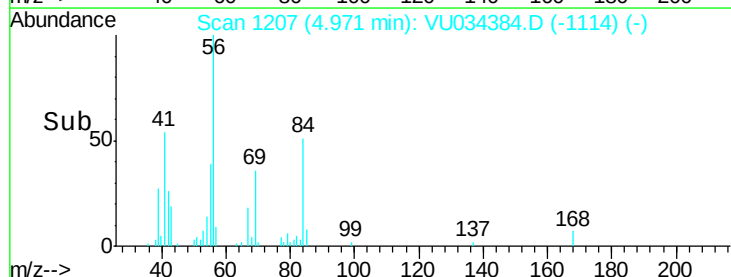
84 86.8 67.0 100.4

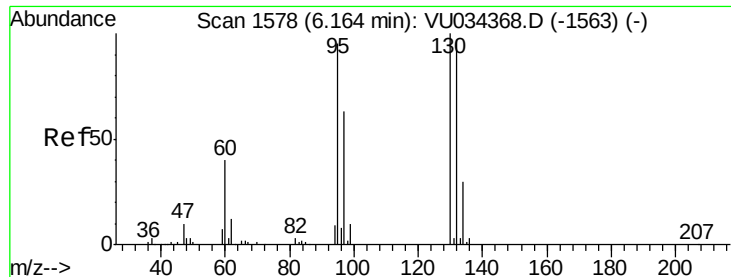


Abundance Ion 56.10 (55.80 to 56.80): VU034384.D (-1114) (-)

Ion 69.15 (68.85 to 69.85): VU034384.D (-1114) (-)

Ion 84.15 (83.85 to 84.85): VU034384.D (-1114) (-)



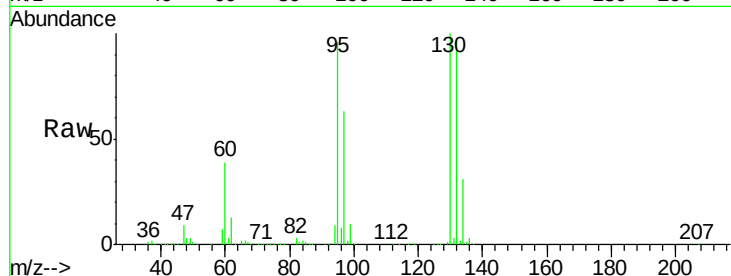


#34
 Trichloroethene
 Concen: 272.912 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VU034384.D
 Acq: 07 Sep 2019 16:38

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDA8

Tot Ion: 95 Resp: 6557337

Ion	Ratio	Lower	Upper
95	100		
97	65.4	43.3	80.5
132	101.6	68.6	127.4
130	104.3	70.5	130.9

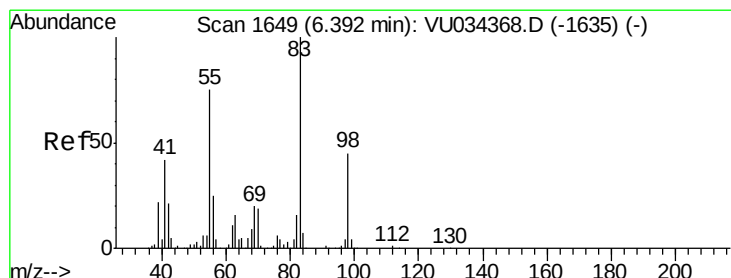
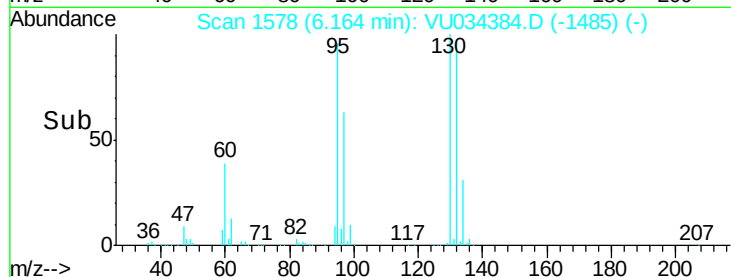
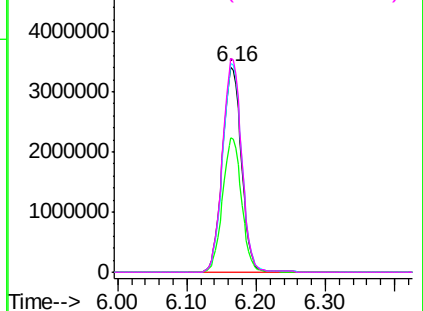


Abundance Ion 95.00 (94.70 to 95.70): VU034384.D (-1563) (-)

Ion 96.95 (96.65 to 97.65): VU034384.D (-1563) (-)

Ion 131.95 (131.65 to 132.65): VU034384.D (-1563) (-)

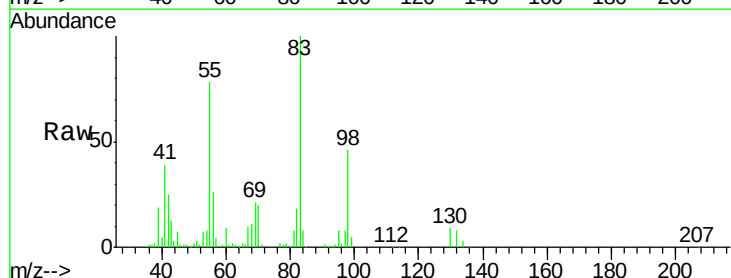
Ion 129.95 (129.65 to 130.65): VU034384.D (-1563) (-)



#35
 Methylcyclohexane
 Concen: 2.072 ug/L
 RT: 6.39 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU034384.D
 Acq: 07 Sep 2019 16:38

Tgt Ion: 83 Resp: 82491

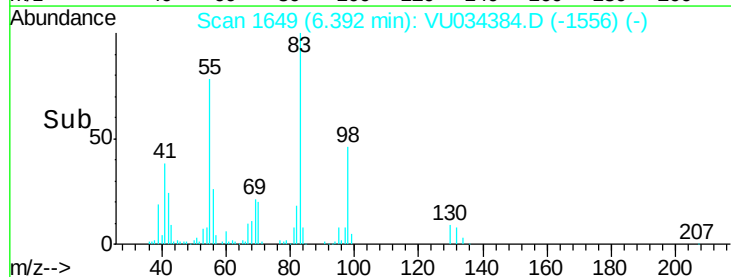
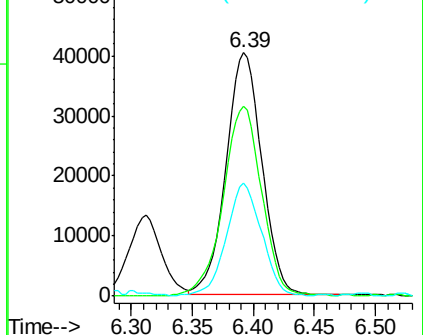
Ion	Ratio	Lower	Upper
83	100		
55	84.6	62.6	94.0
98	45.1	36.2	54.2

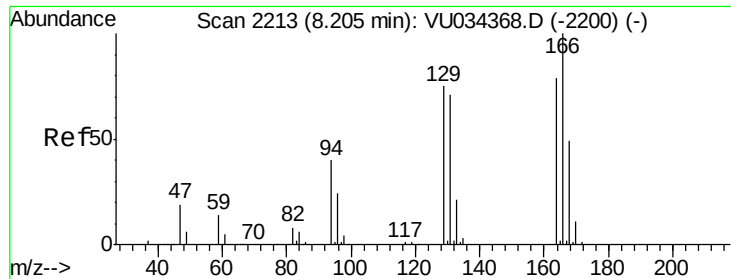


Abundance Ion 83.15 (82.85 to 83.85): VU034384.D (-1556) (-)

Ion 55.10 (54.80 to 55.80): VU034384.D (-1556) (-)

Ion 98.15 (97.85 to 98.85): VU034384.D (-1556) (-)

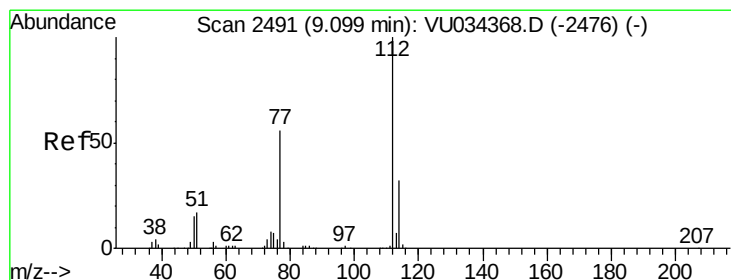
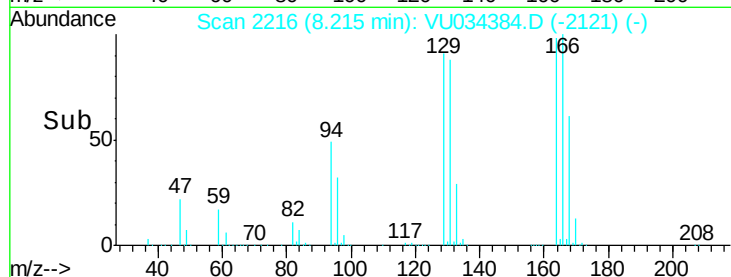
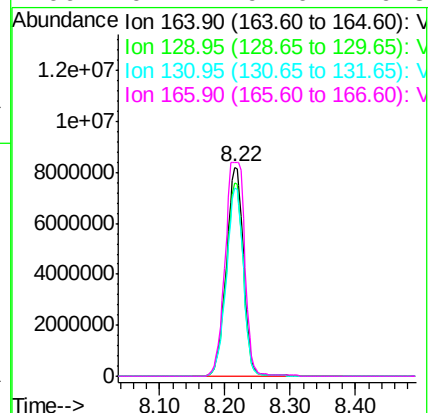
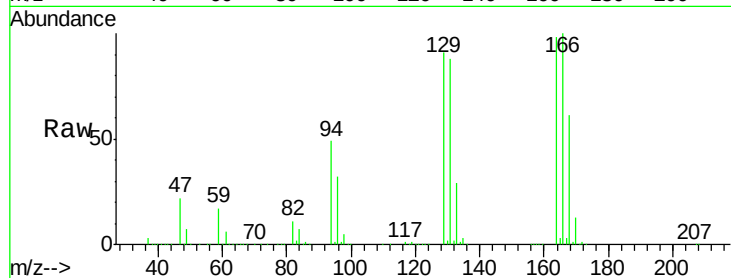




#47
Tetrachloroethene
Concen: 761.230 ug/L
RT: 8.22 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VU034384.D
Acq: 07 Sep 2019 16:38

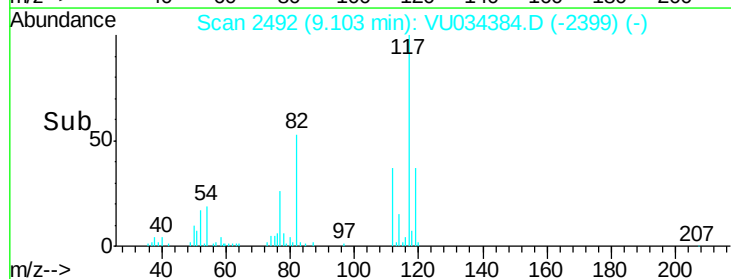
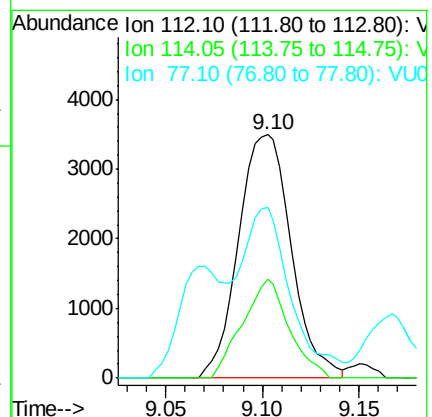
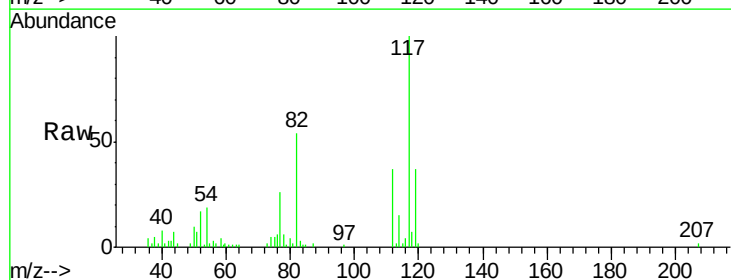
Instrument :
MSVOA_U
ClientSampleId :
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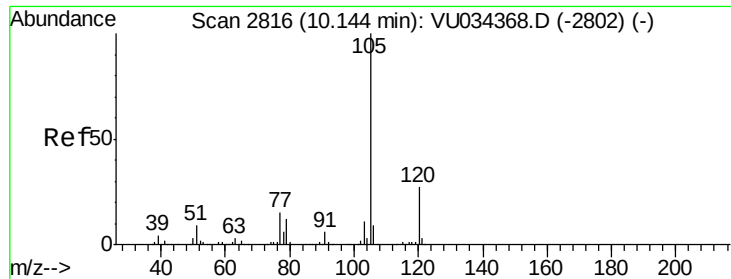
Tot Ion:164 Resp:15032477
Ion Ratio Lower Upper
164 100
129 92.7 68.0 126.2
131 90.3 64.6 120.0
166 102.4 92.0 170.8



#51
Chlorobenzene
Concen: 0.106 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. -0.00 min
Lab File: VU034384.D
Acq: 07 Sep 2019 16:38

Tgt Ion:112 Resp: 6635
Ion Ratio Lower Upper
112 100
114 40.8 22.6 42.0
77 69.9 46.3 69.5#





#56

Isopropylbenzene

Concen: 2.181 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034384.D

Acq: 07 Sep 2019 16:38

Instrument :

MSVOA_U

ClientSampleId :

BFDA8

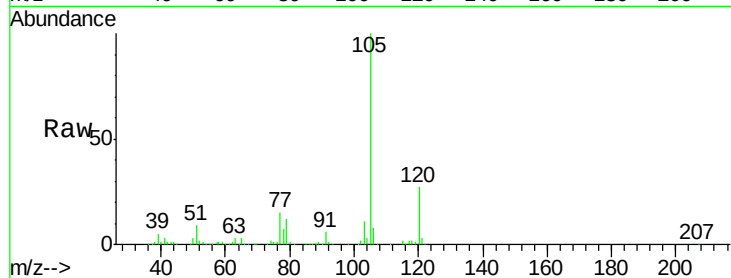
Tot Ion:105 Resp: 227157

Ion Ratio Lower Upper

105 100

120 26.7 21.0 31.4

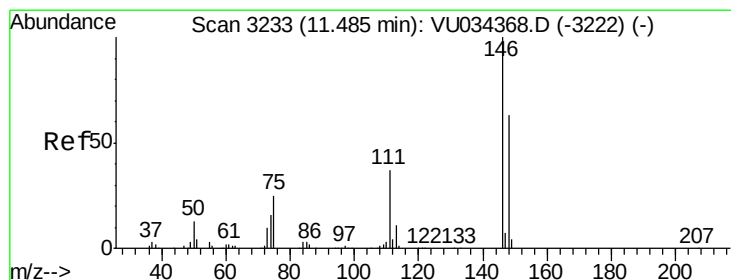
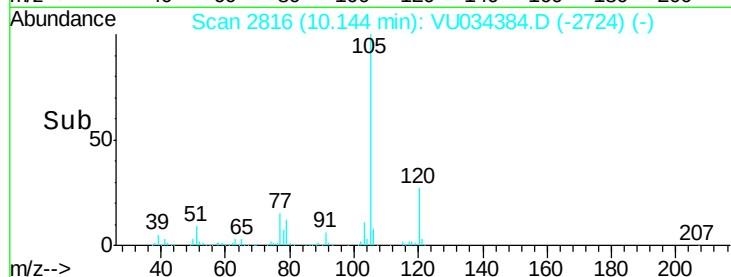
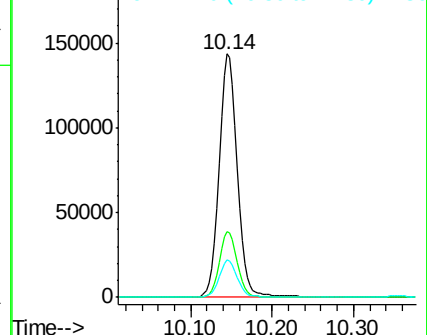
77 15.0 12.2 18.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#63

1,4-Dichlorobenzene

Concen: 0.146 ug/L

RT: 11.49 min Scan# 3233

Delta R.T. -0.00 min

Lab File: VU034384.D

Acq: 07 Sep 2019 16:38

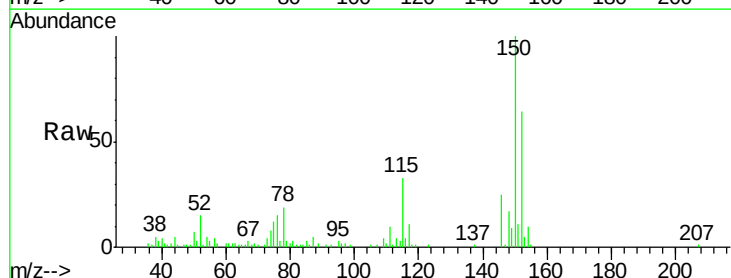
Tgt Ion:146 Resp: 7893

Ion Ratio Lower Upper

146 100

111 39.4 26.5 49.3

148 67.0 44.0 81.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

