

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U092719\
 Data File : VU034853.D
 Acq On : 26 Sep 2019 19:38
 Operator : JC/SP
 Sample : K5044-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CWK33

Quant Time: Sep 27 05:55:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091819WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 27 05:10:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	97492	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	92442	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	42251	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	34101	4.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.00%
7) Chloroethane-d5	1.67	69	28888	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	2.26	63	52337	3.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.40%
20) 2-Butanone-d5	4.17	46	92730	48.63	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.26%
24) Chloroform-d	4.62	84	51768	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.29	65	29302	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
32) Benzene-d6	5.32	84	112465	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
36) 1,2-Dichloropropane-d6	6.31	67	38322	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	7.54	98	103079	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
43) trans-1,3-Dichloropropene-	7.83	79	13495	4.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.40%
46) 2-Hexanone-d5	8.30	63	65617	43.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.80%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	27391	4.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.00%
64) 1,2-Dichlorobenzene-d4	11.84	152	34875	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

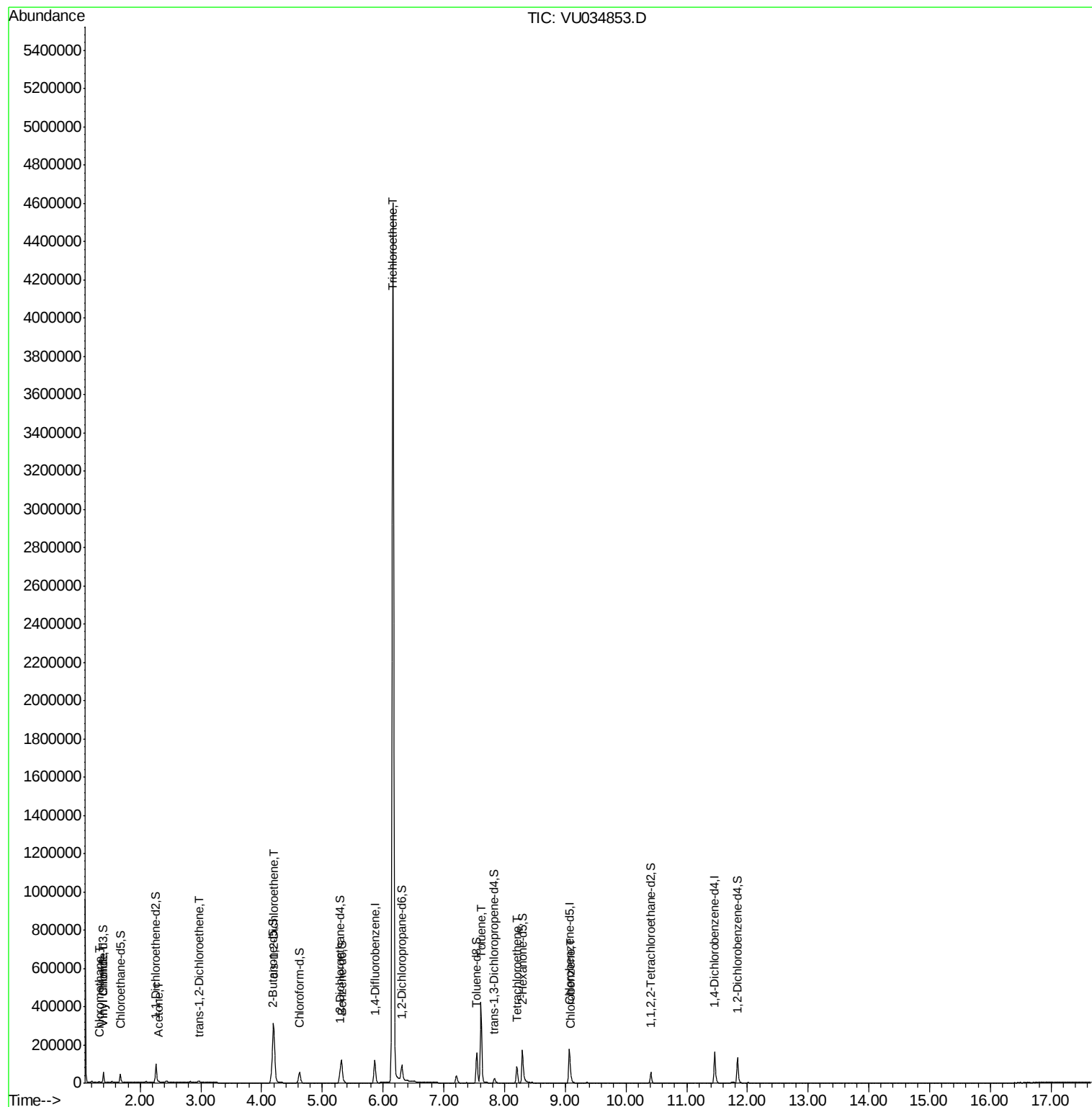
					Ovalue
3) Chloromethane	1.32	50	3971	0.570	ug/L 95
5) Vinyl chloride	1.40	62	2396	0.329	ug/L 86
13) Acetone	2.31	43	3254	2.209	ug/L 92
18) trans-1,2-Dichloroethene	2.96	96	1498	0.300	ug/L 76
22) cis-1,2-Dichloroethene	4.20	96	157391	23.548	ug/L 95
34) Trichloroethene	6.16	95	1505014	241.554	ug/L 98
42) Toluene	7.61	91	296047	10.960	ug/L 98
47) Tetrachloroethene	8.21	164	17906	4.741	ug/L 94
51) Chlorobenzene	9.10	112	13106	0.774	ug/L 96

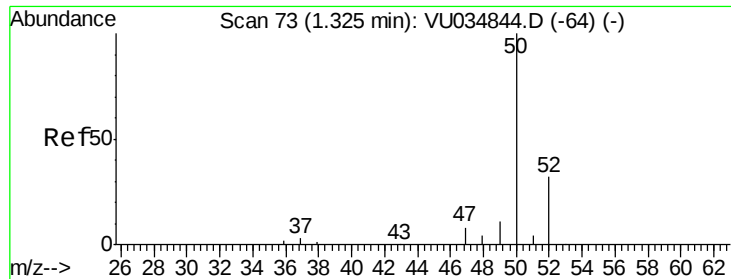
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.570 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU034853.D

Acq: 26 Sep 2019 19:38

Instrument :

MSVOA_U

ClientSampleId :

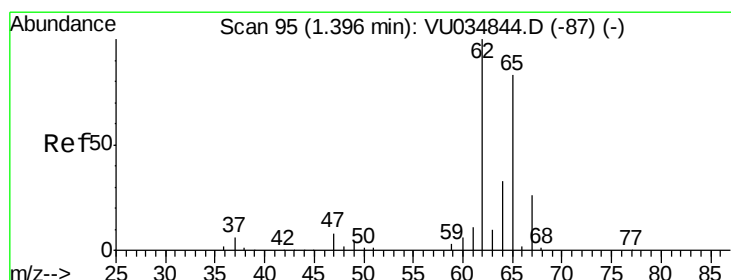
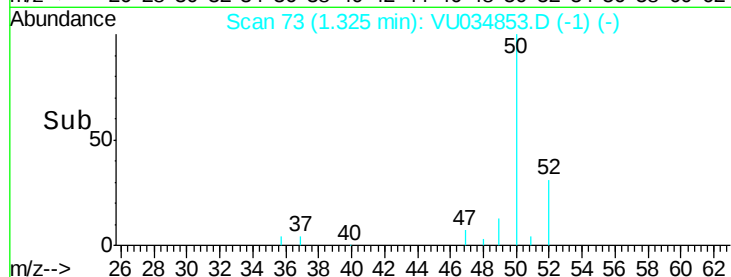
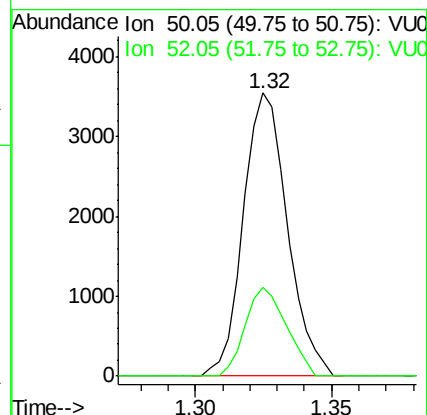
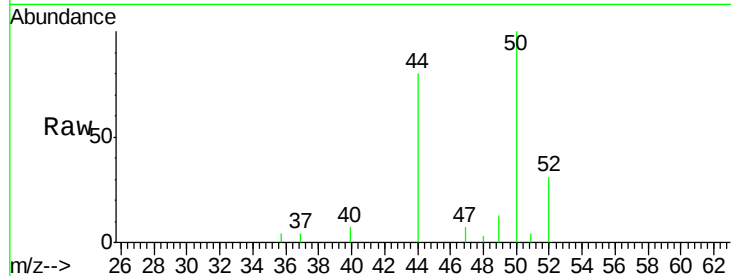
CWK33

Tot Ion: 50 Resp: 3971

Ion Ratio Lower Upper

50 100

52 31.3 23.9 44.3



#5

Vinyl chloride

Concen: 0.329 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034853.D

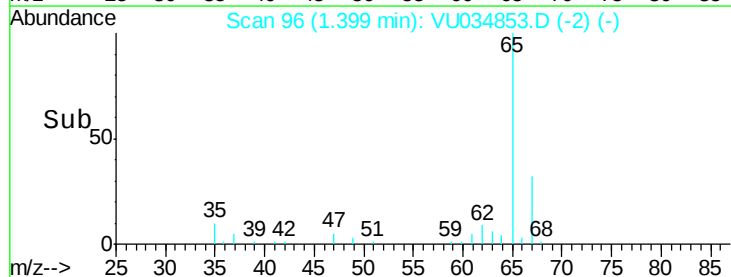
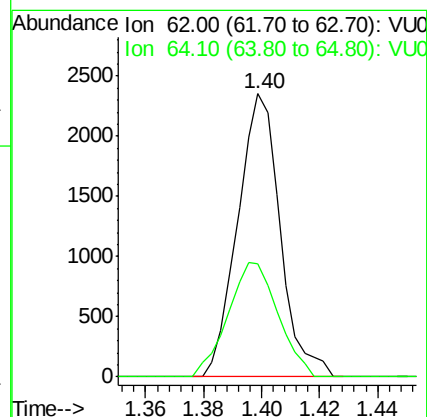
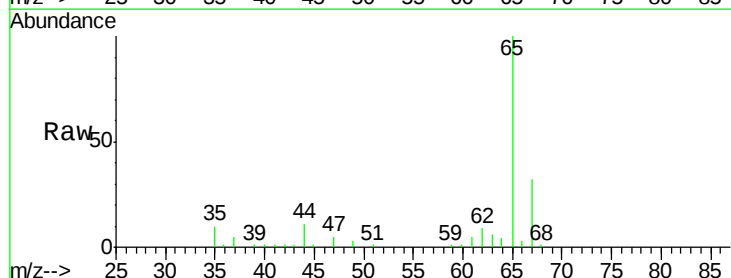
Acq: 26 Sep 2019 19:38

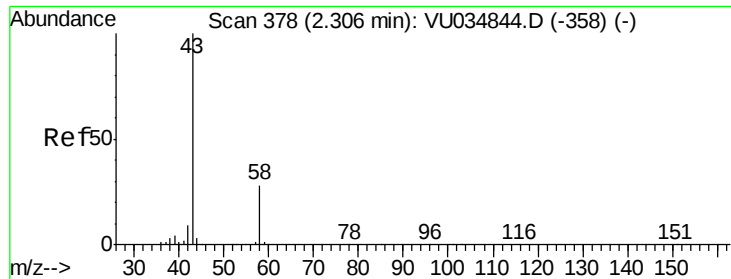
Tgt Ion: 62 Resp: 2396

Ion Ratio Lower Upper

62 100

64 40.0 22.7 42.1





#13

Acetone

Concen: 2.209 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034853.D

Acq: 26 Sep 2019 19:38

Instrument :

MSVOA_U

ClientSampleId :

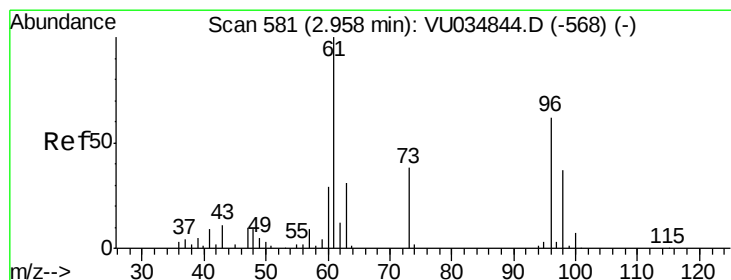
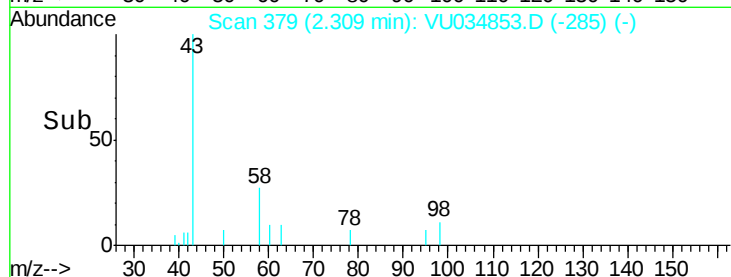
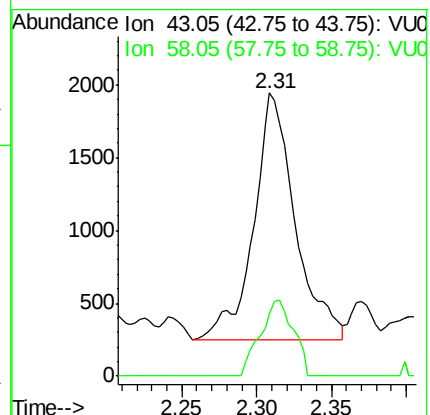
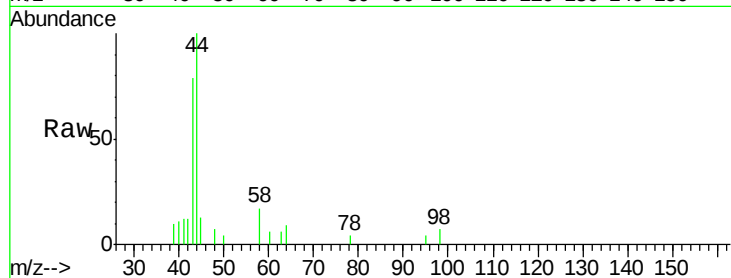
CWK33

Tot Ion: 43 Resp: 3254

Ion Ratio Lower Upper

43 100

58 24.6 0.0 57.8



#18

trans-1,2-Dichloroethene

Concen: 0.300 ug/L

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU034853.D

Acq: 26 Sep 2019 19:38

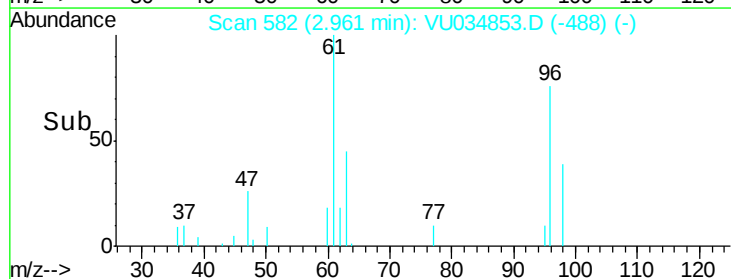
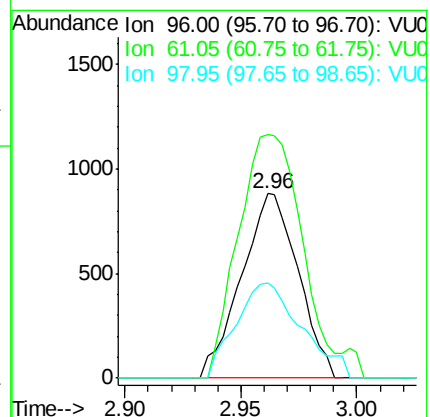
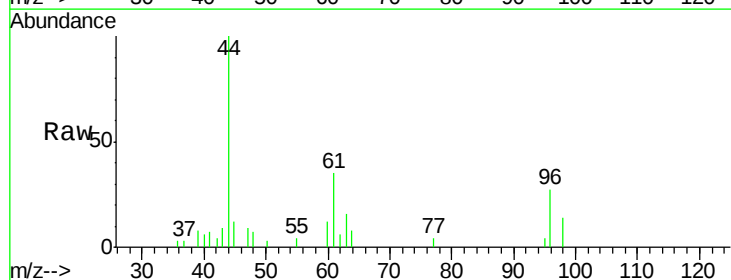
Tgt Ion: 96 Resp: 1498

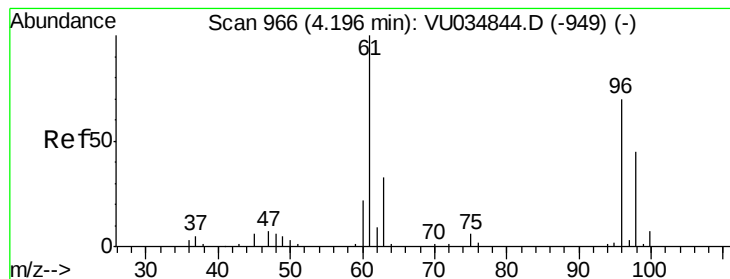
Ion Ratio Lower Upper

96 100

61 132.0 118.2 219.6

98 51.7 44.8 83.2



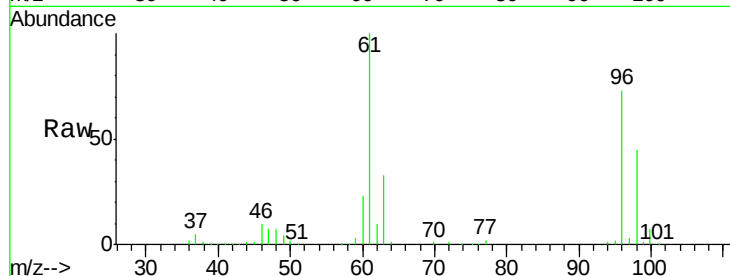


#22

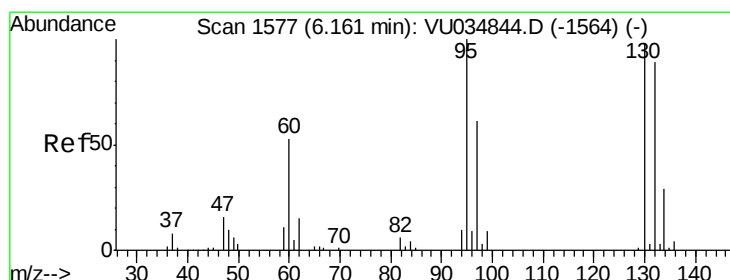
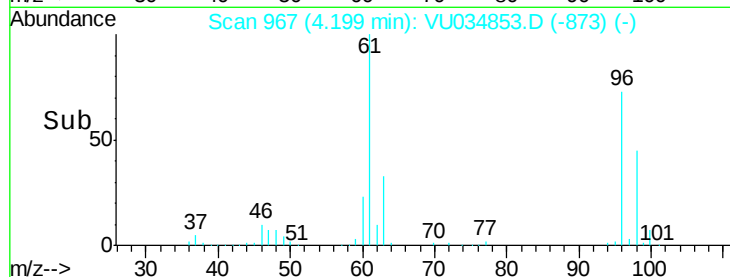
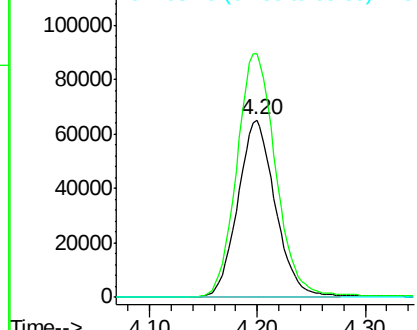
cis-1,2-Dichloroethene
 Concen: 23.548 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU034853.D
 Acq: 26 Sep 2019 19:38

Instrument :
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Tot Ion: 96 Resp: 157391
 Ion Ratio Lower Upper
 96 100
 61 137.0 100.0 185.8
 68 0.0 0.0 0.0



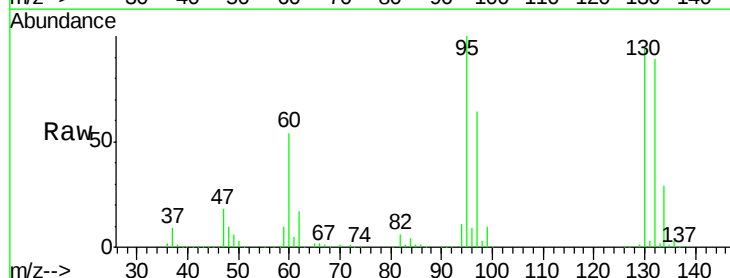
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



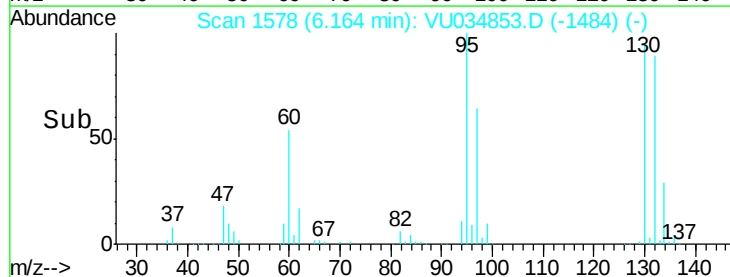
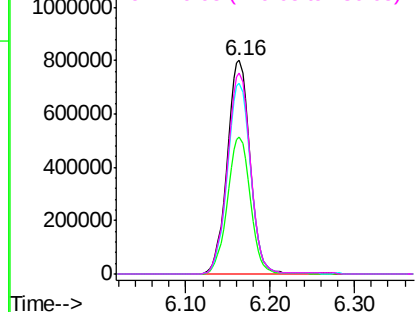
#34

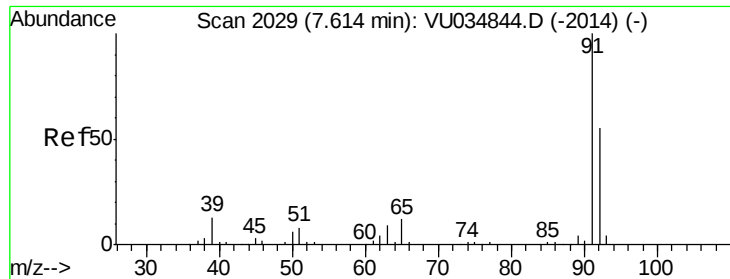
Trichloroethene
 Concen: 241.554 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU034853.D
 Acq: 26 Sep 2019 19:38

Tgt Ion: 95 Resp: 1505014
 Ion Ratio Lower Upper
 95 100
 97 64.3 45.2 84.0
 132 89.3 60.9 113.1
 130 94.4 64.3 119.3



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





#42

Toluene

Concen: 10.960 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034853.D

Acq: 26 Sep 2019 19:38

Instrument :

MSVOA_U

ClientSampleId :

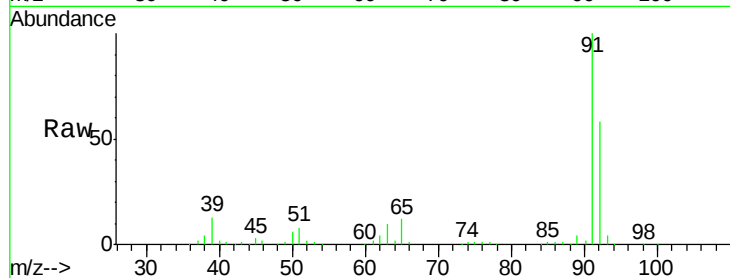
CWK33

Tot Ion: 91 Resp: 296047

Ion Ratio Lower Upper

91 100

92 57.9 39.6 73.6



Abundance Ion 91.15 (90.85 to 91.85): VU034844.D (-2014) (-)

Ion 92.15 (91.85 to 92.85): VU034844.D (-2014) (-)

7.61

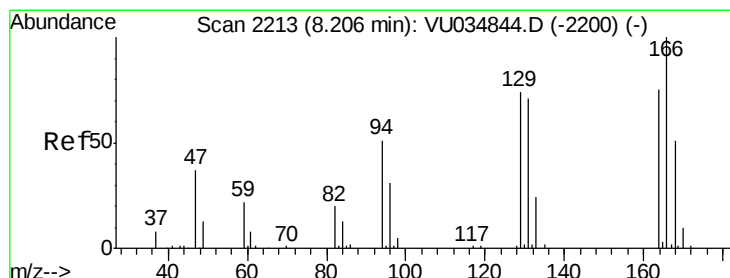
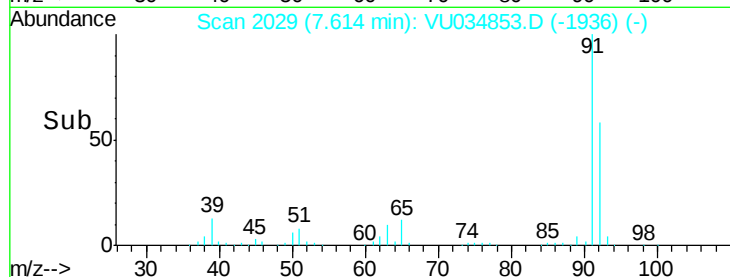
150000

100000

50000

0

Time-->



#47

Tetrachloroethene

Concen: 4.741 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU034853.D

Acq: 26 Sep 2019 19:38

Tgt Ion: 164 Resp: 17906

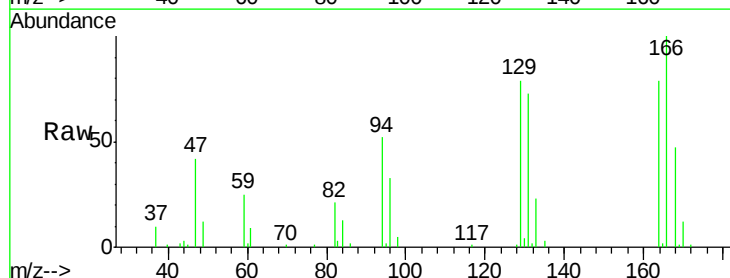
Ion Ratio Lower Upper

164 100

129 100.3 73.6 136.8

131 91.9 73.4 136.4

166 126.6 90.6 168.3



Abundance Ion 163.90 (163.60 to 164.60): VU034844.D (-2200) (-)

Ion 128.95 (128.65 to 129.65): VU034844.D (-2200) (-)

Ion 130.95 (130.65 to 131.65): VU034844.D (-2200) (-)

Ion 165.90 (165.60 to 166.60): VU034844.D (-2200) (-)

20000

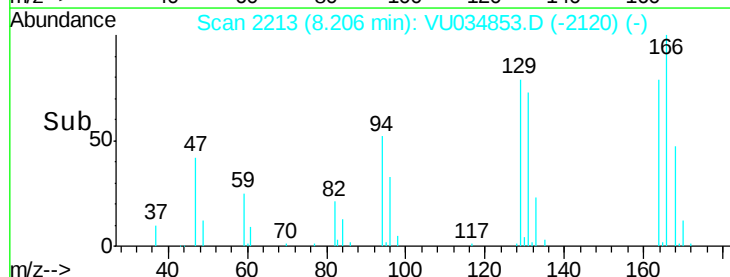
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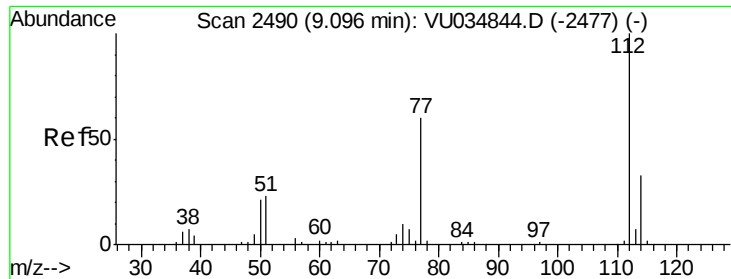
10000

5000

0

Time-->





#51
 Chlorobenzene
 Concen: 0.774 ug/L
 RT: 9.10 min Scan# 2491
 Delta R.T. 0.00 min
 Lab File: VU034853.D
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Tot Ion	Ratio	Lower	Upper
112	100		
114	33.7	22.5	41.7
77	59.8	50.3	75.5

