

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U092719\
 Data File : VU034855.D
 Acq On : 26 Sep 2019 20:27
 Operator : JC/SP
 Sample : K5044-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CWK35

Quant Time: Sep 27 06:38:26 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	92174	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	86836	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	42252	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	33309	4.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.80%
7) Chloroethane-d5	1.67	69	28874	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.26	63	51263	3.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.20%
20) 2-Butanone-d5	4.17	46	89520	49.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.30%
24) Chloroform-d	4.62	84	51771	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.29	65	28542	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
32) Benzene-d6	5.31	84	108096	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.31	67	37095	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.54	98	102002	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
43) trans-1,3-Dichloropropene-	7.83	79	12901	4.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.80%
46) 2-Hexanone-d5	8.30	63	63549	45.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.52%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	26605	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.80%
64) 1,2-Dichlorobenzene-d4	11.84	152	34492	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

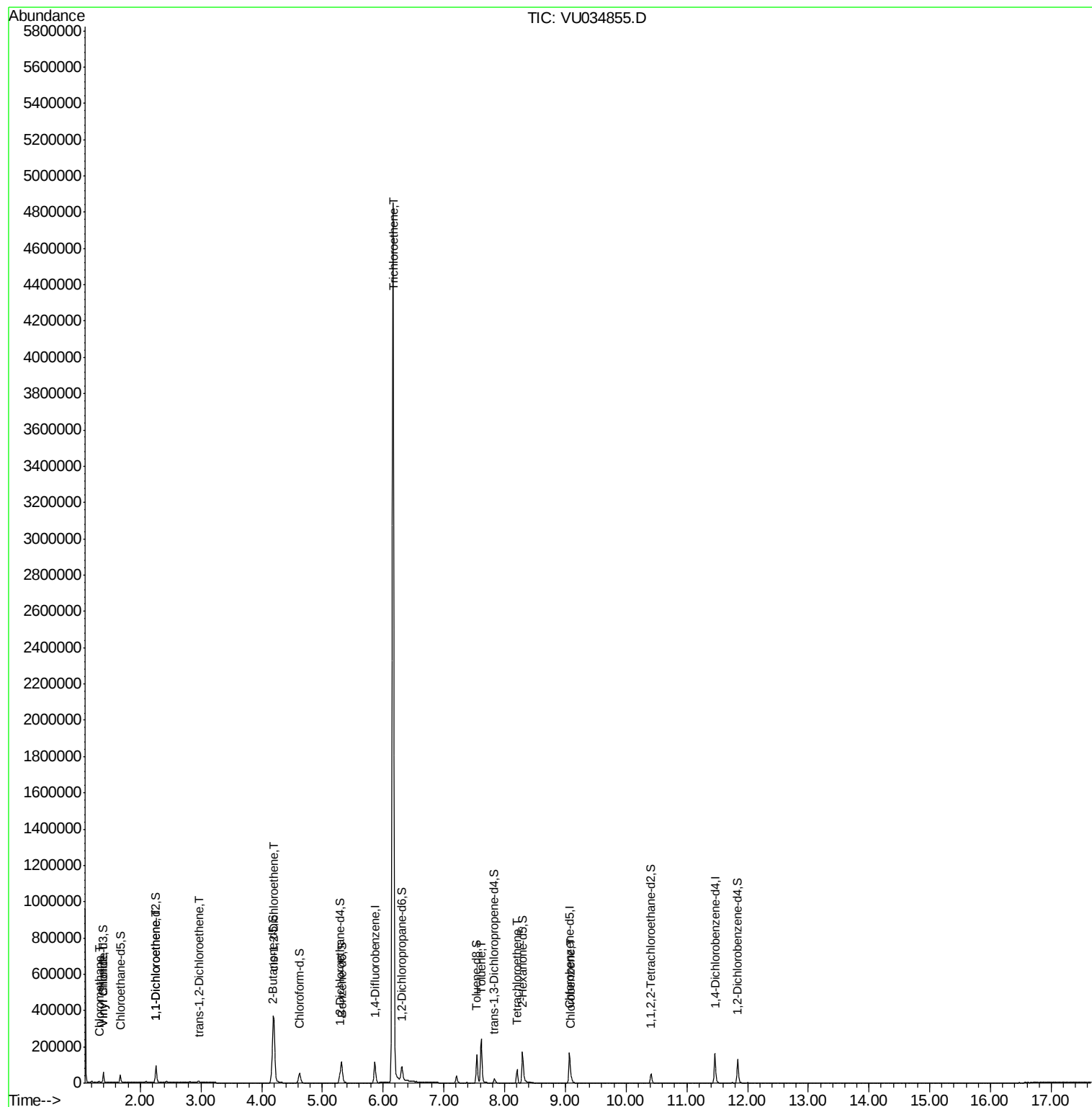
					Ovalue
3) Chloromethane	1.32	50	5760	0.875 ug/L	98
5) Vinyl chloride	1.40	62	4870	0.706 ug/L	90
12) 1,1-Dichloroethene	2.27	96	2223	0.489 ug/L #	1
18) trans-1,2-Dichloroethene	2.96	96	1402	0.297 ug/L	91
22) cis-1,2-Dichloroethene	4.20	96	188948	29.901 ug/L	98
34) Trichloroethene	6.16	95	1583107	270.492 ug/L	98
42) Toluene	7.61	91	175754	6.927 ug/L	100
47) Tetrachloroethene	8.21	164	15916	4.486 ug/L	93
51) Chlorobenzene	9.10	112	13636	0.857 ug/L	96

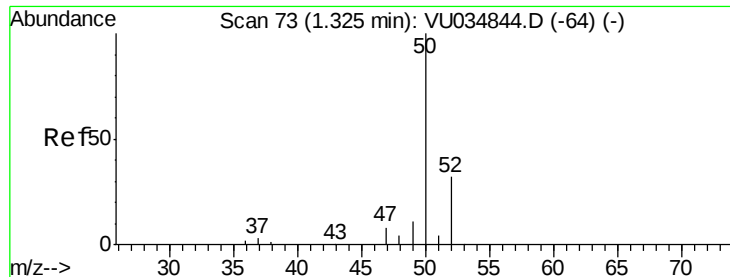
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.875 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU034855.D

Acq: 26 Sep 2019 20:27

Instrument :

MSVOA_U

ClientSampleId :

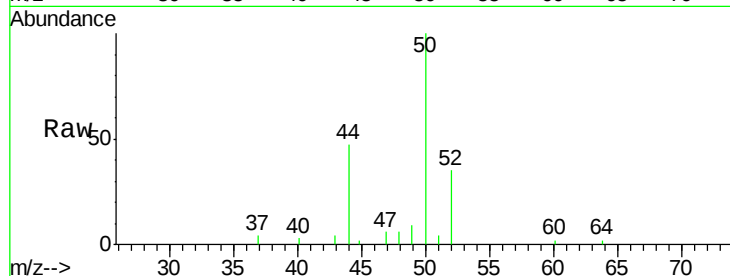
CWK35

Tot Ion: 50 Resp: 5760

Ion Ratio Lower Upper

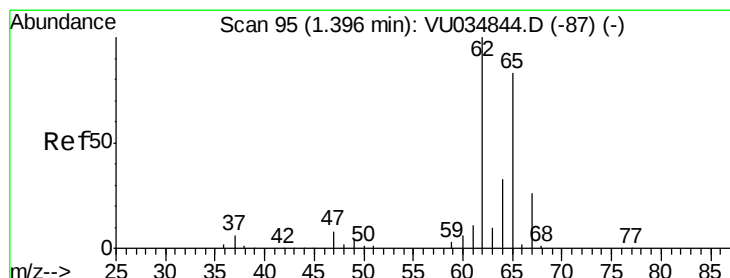
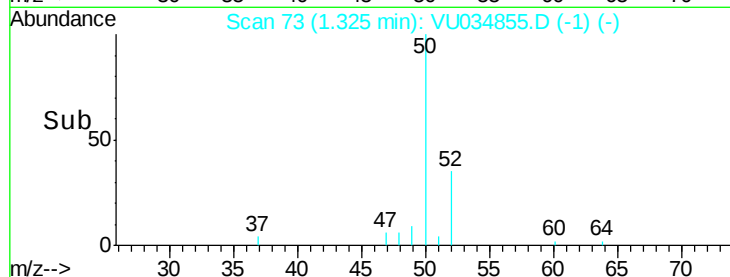
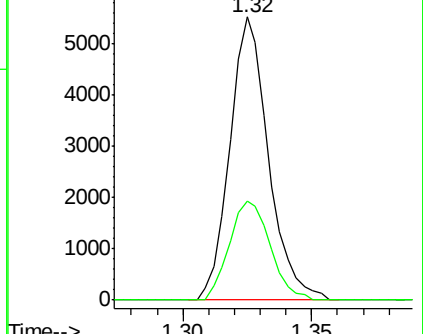
50 100

52 35.2 23.9 44.3



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 0.706 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034855.D

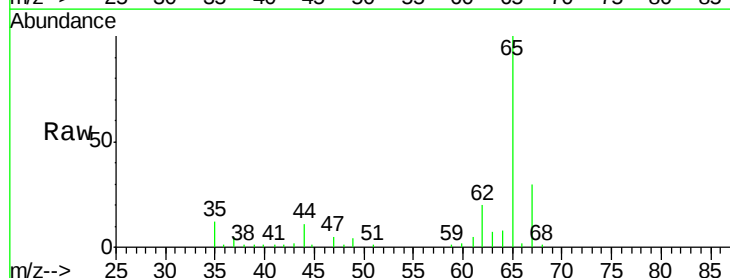
Acq: 26 Sep 2019 20:27

Tgt Ion: 62 Resp: 4870

Ion Ratio Lower Upper

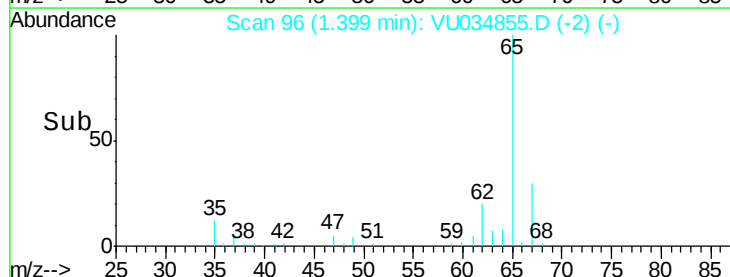
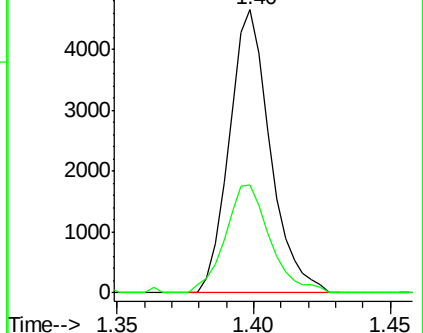
62 100

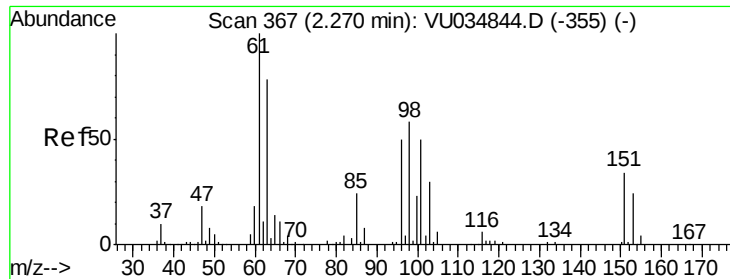
64 38.2 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#12

1,1-Dichloroethene

Concen: 0.489 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034855.D

Acq: 26 Sep 2019 20:27

Instrument :

MSVOA_U

ClientSampleId :

CWK35

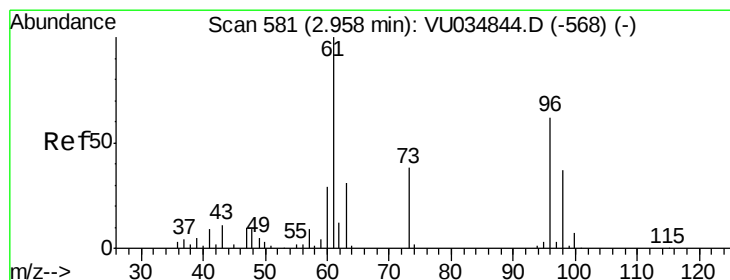
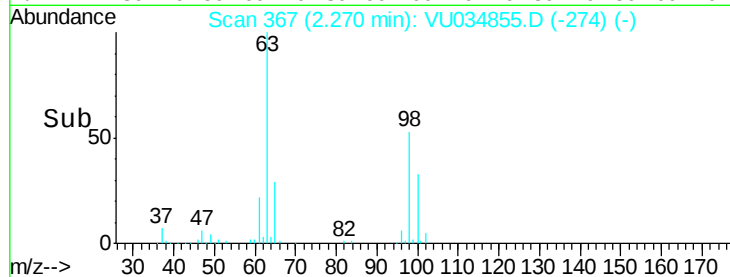
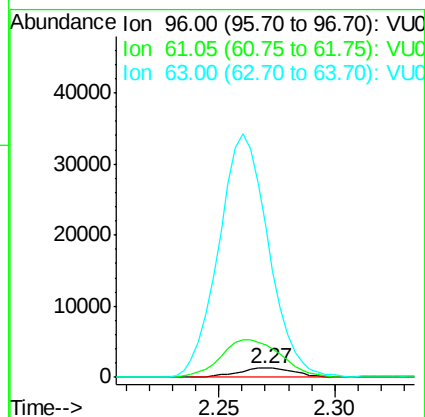
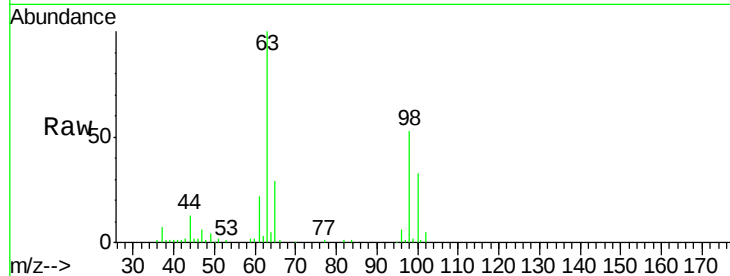
Tot Ion: 96 Resp: 2223

Ion Ratio Lower Upper

96 100

61 357.4 144.4 268.2#

63 1649.9 111.5 207.1#



#18

trans-1,2-Dichloroethene

Concen: 0.297 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.01 min

Lab File: VU034855.D

Acq: 26 Sep 2019 20:27

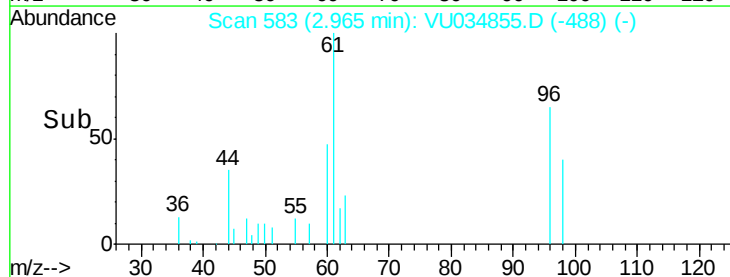
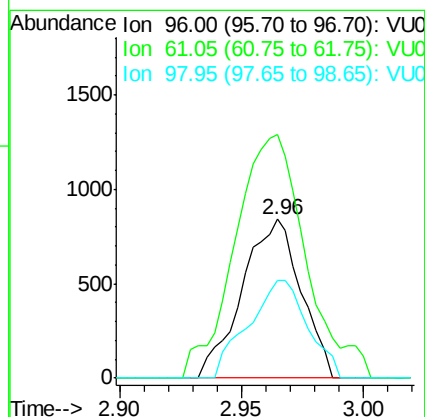
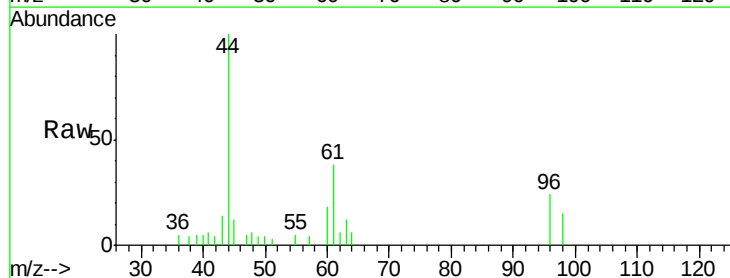
Tgt Ion: 96 Resp: 1402

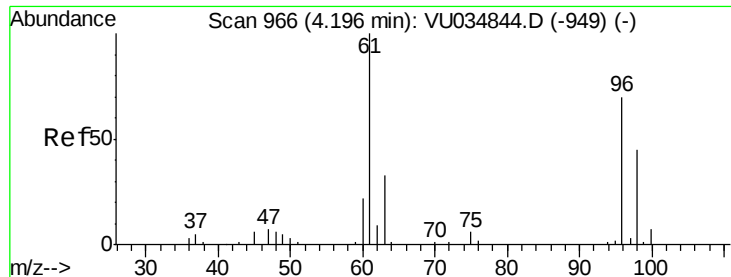
Ion Ratio Lower Upper

96 100

61 153.4 118.2 219.6

98 61.2 44.8 83.2

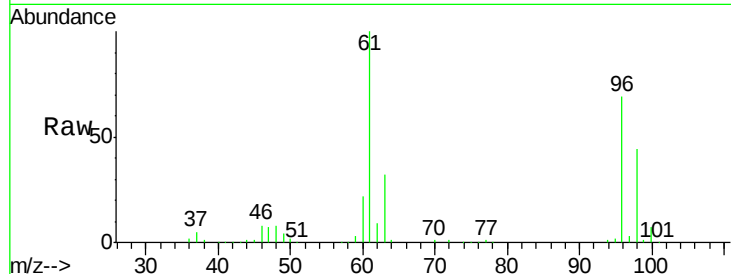




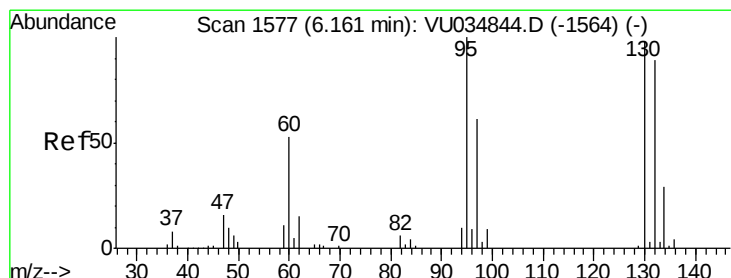
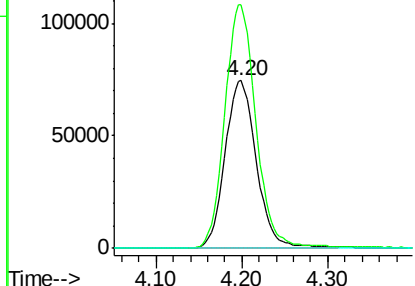
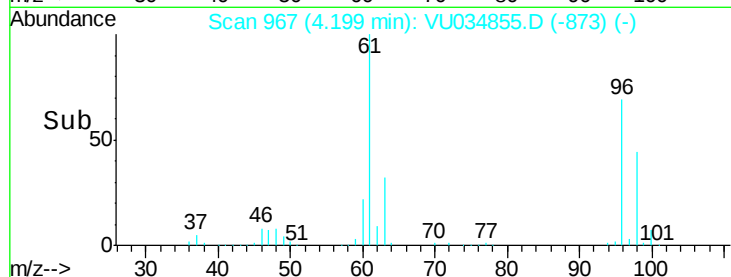
#22
 cis-1,2-Dichloroethene
 Concen: 29.901 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU034855.D
 Acq: 26 Sep 2019 20:27

Instrument :
 MSVOA_U
 ClientSampled :
 CWK35

Tot Ion: 96 Resp: 188948
 Ion Ratio Lower Upper
 96 100
 61 145.4 100.0 185.8
 68 0.0 0.0 0.0

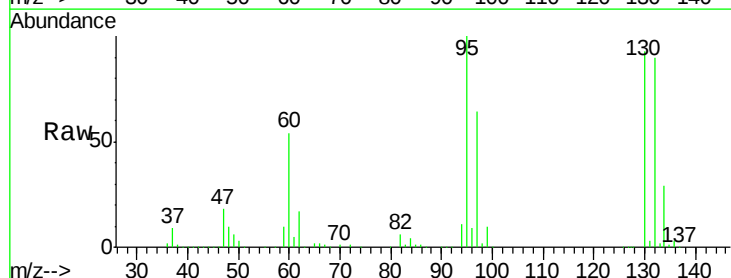


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

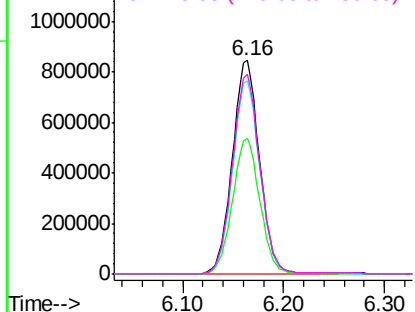
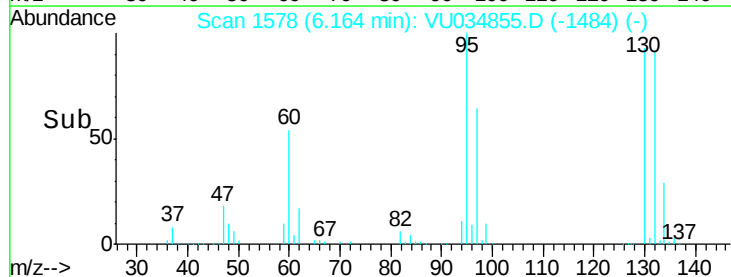


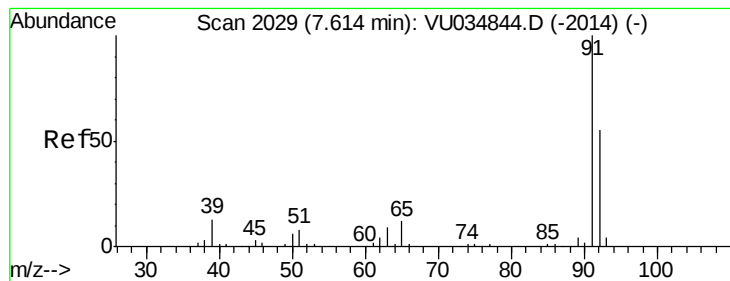
#34
 Trichloroethene
 Concen: 270.492 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU034855.D
 Acq: 26 Sep 2019 20:27

Tgt Ion: 95 Resp: 1583107
 Ion Ratio Lower Upper
 95 100
 97 63.7 45.2 84.0
 132 90.4 60.9 113.1
 130 93.3 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: 6.927 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034855.D

Acq: 26 Sep 2019 20:27

Instrument :

MSVOA_U

ClientSampled :

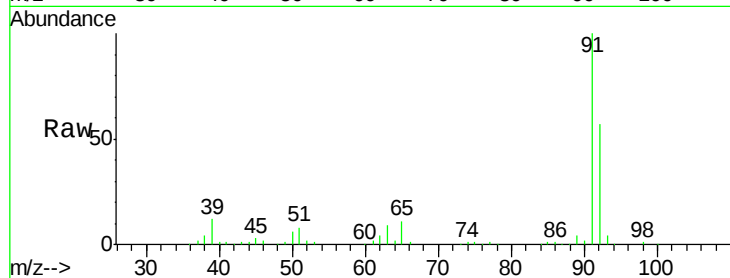
CWK35

Tot Ion: 91 Resp: 175754

Ion Ratio Lower Upper

91 100

92 56.6 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

100000

80000

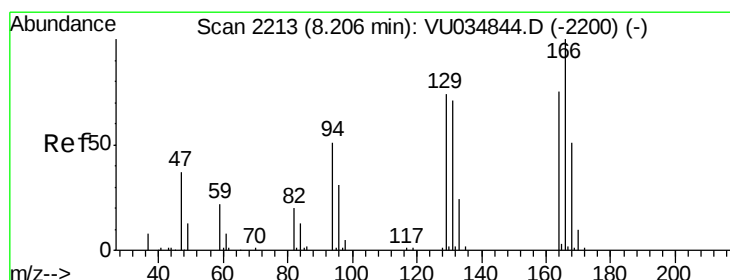
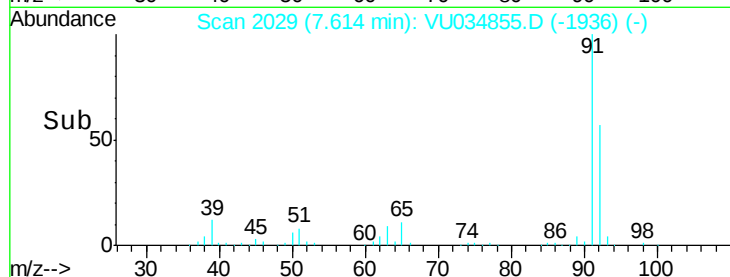
60000

40000

20000

0

Time-->



#47

Tetrachloroethene

Concen: 4.486 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU034855.D

Acq: 26 Sep 2019 20:27

Tgt Ion: 164 Resp: 15916

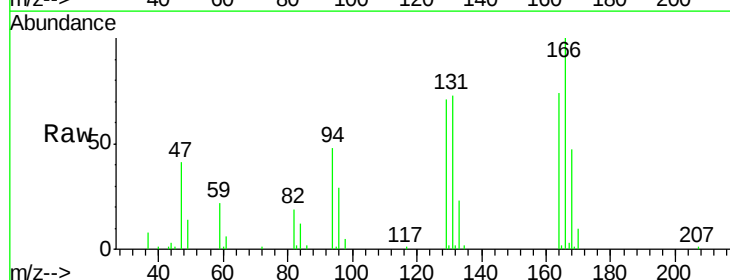
Ion Ratio Lower Upper

164 100

129 96.0 73.6 136.8

131 97.8 73.4 136.4

166 134.5 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) (-)

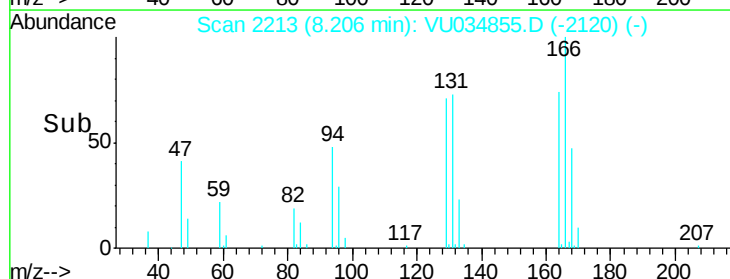
15000

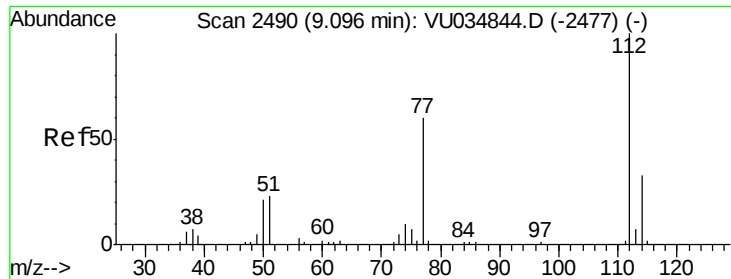
10000

5000

0

Time-->





#51
 Chlorobenzene
 Concen: 0.857 ug/L
 RT: 9.10 min Scan# 2491
 Delta R.T. 0.00 min
 Lab File: VU034855.D
 Acq: 26 Sep 2019 20:27

Instrument :
 MSVOA_U
 ClientSampleId :
 CWK35

Tot Ion:	112	Resp:	13636
Ion	Ratio	Lower	Upper
112	100		
114	31.0	22.5	41.7
77	59.1	50.3	75.5

