

Data File : VU034859.D
Acq On : 26 Sep 2019 22:04
Operator : JC/SP
Sample : K5044-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
CWK38

Quant Time: Sep 27 05:16:01 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	90180	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	87120	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	40899	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	32610	4.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.00%
7) Chloroethane-d5	1.67	69	27675	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.26	63	47607	3.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.20%
20) 2-Butanone-d5	4.17	46	94388	53.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.02%
24) Chloroform-d	4.62	84	49158	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.29	65	28310	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
32) Benzene-d6	5.32	84	101965	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
36) 1,2-Dichloropropane-d6	6.31	67	35956	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.00%
41) Toluene-d8	7.54	98	96561	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%
43) trans-1,3-Dichloropropene-	7.83	79	11568	3.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.00%
46) 2-Hexanone-d5	8.30	63	70610	50.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.26%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	28693	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.40%
64) 1,2-Dichlorobenzene-d4	11.84	152	32872	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

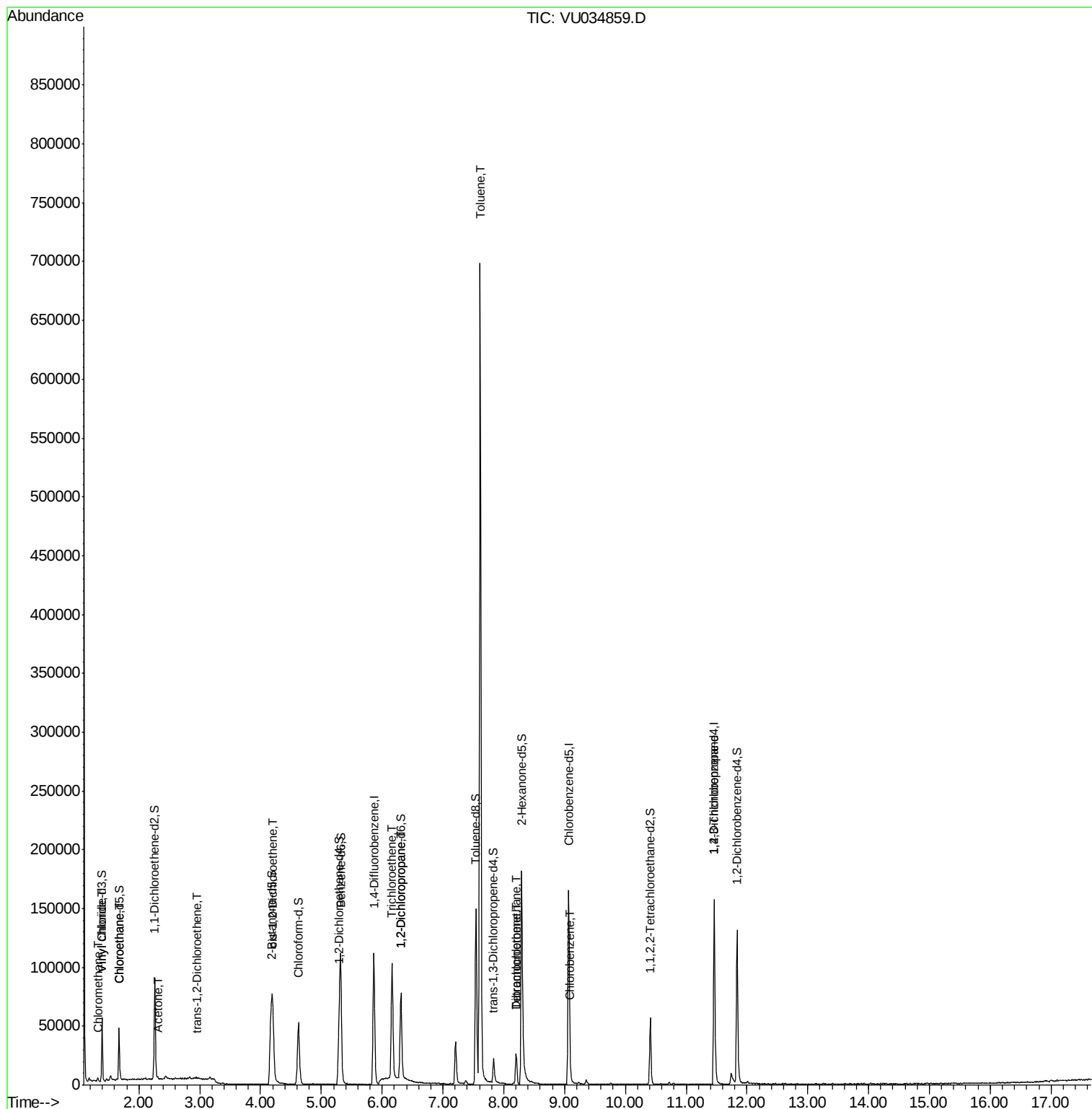
					Qvalue
3) Chloromethane	1.32	50	2022	0.314 ug/L	91
5) Vinyl chloride	1.40	62	1511	0.224 ug/L #	49
8) Chloroethane	1.68	64	476	0.121 ug/L #	42
13) Acetone	2.31	43	1998	1.466 ug/L	92
18) trans-1,2-Dichloroethene	2.95	96	314	0.068 ug/L #	29
22) cis-1,2-Dichloroethene	4.20	96	31435	5.085 ug/L	98
34) Trichloroethene	6.16	95	33831	5.762 ug/L	99
37) 1,2-Dichloropropane	6.31	63	3734	0.513 ug/L #	92
42) Toluene	7.61	91	492083	19.331 ug/L	99
47) Tetrachloroethene	8.21	164	5436	1.527 ug/L	94
49) Dibromochloromethane	8.21	129	5277	0.973 ug/L #	12
51) Chlorobenzene	9.10	112	1392	0.087 ug/L	94
59) 1,2,3-Trichloropropane	11.46	75	6226	1.310 ug/L	93

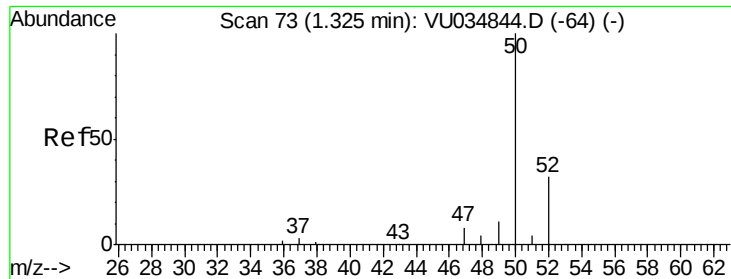
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.314 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU034859.D

Acq: 26 Sep 2019 22:04

Instrument :

MSVOA_U

ClientSampleId :

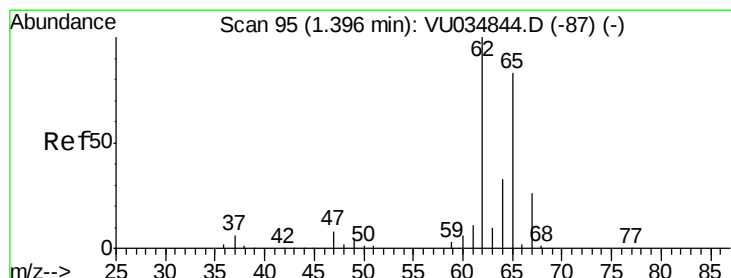
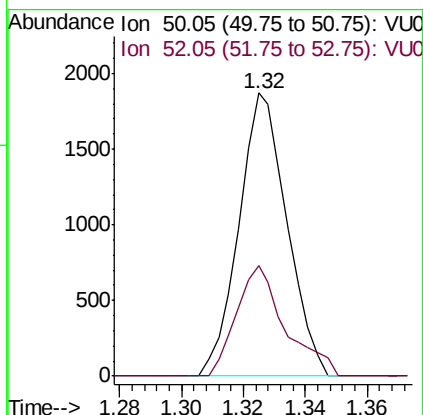
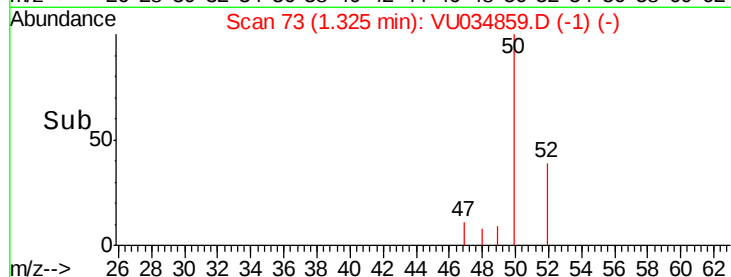
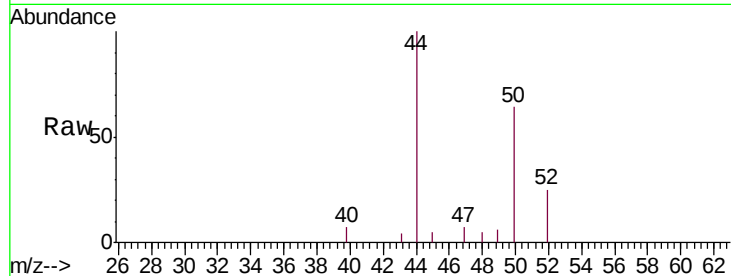
CWK38

Tgt Ion: 50 Resp: 2022

Ion Ratio Lower Upper

50 100

52 39.0 23.9 44.3



#5

Vinyl chloride

Concen: 0.224 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034859.D

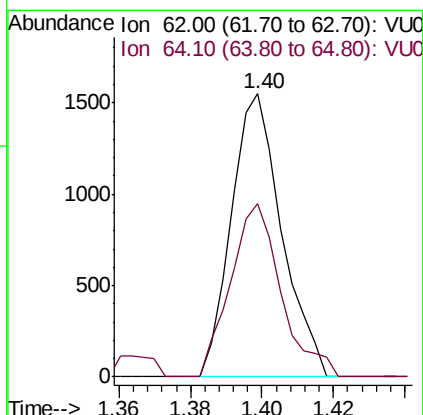
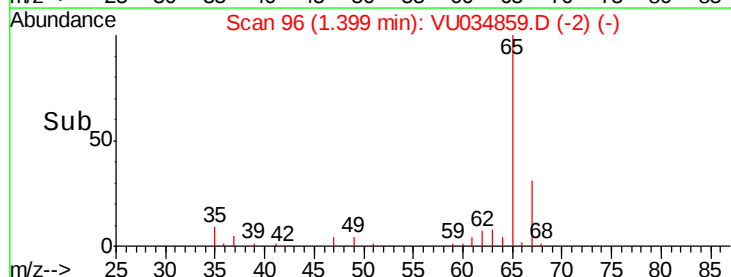
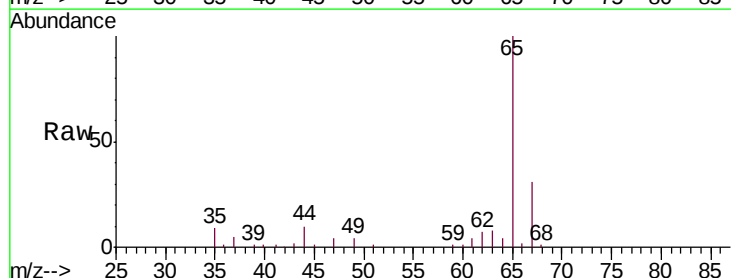
Acq: 26 Sep 2019 22:04

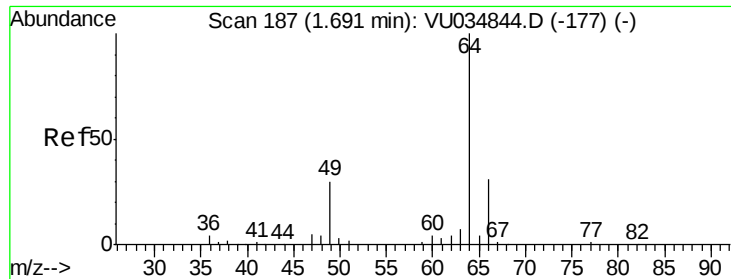
Tgt Ion: 62 Resp: 1511

Ion Ratio Lower Upper

62 100

64 61.3 22.7 42.1#





#8

Chloroethane

Concen: 0.121 ug/L

RT: 1.68 min Scan# 183

Delta R.T. -0.01 min

Lab File: VU034859.D

Acq: 26 Sep 2019 22:04

Instrument :

MSVOA_U

ClientSampled :

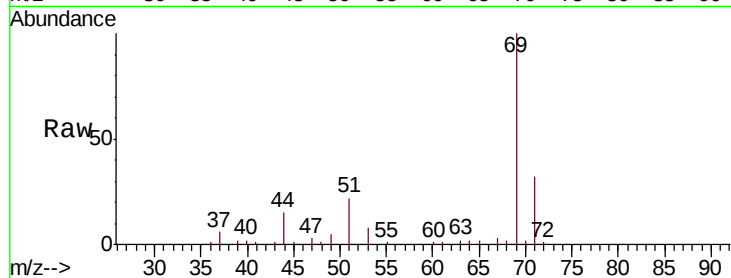
CWK38

Tgt Ion: 64 Resp: 476

Ion Ratio Lower Upper

64 100

66 0.0 22.6 42.0#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.68

400

300

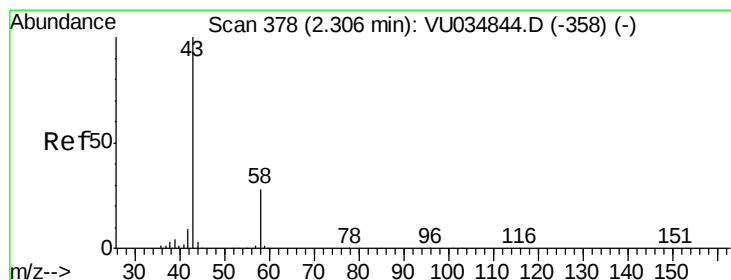
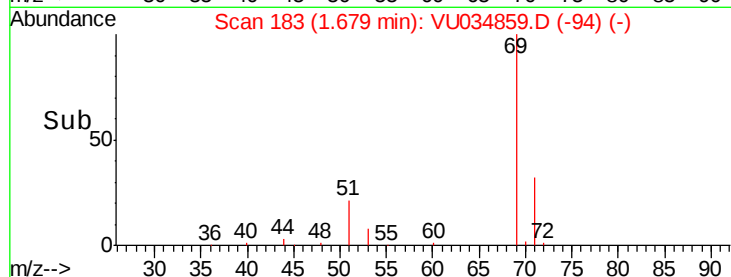
200

100

0

1.66 1.68 1.70

Time-->



#13

Acetone

Concen: 1.466 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.01 min

Lab File: VU034859.D

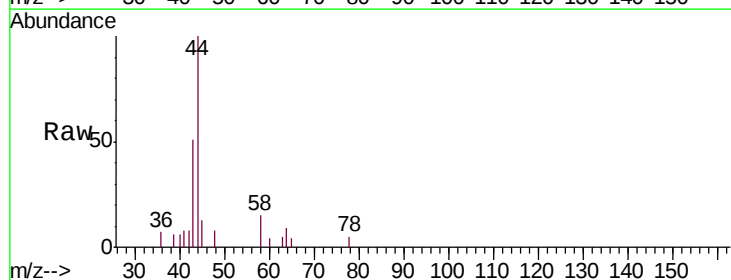
Acq: 26 Sep 2019 22:04

Tgt Ion: 43 Resp: 1998

Ion Ratio Lower Upper

43 100

58 24.7 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.31

1500

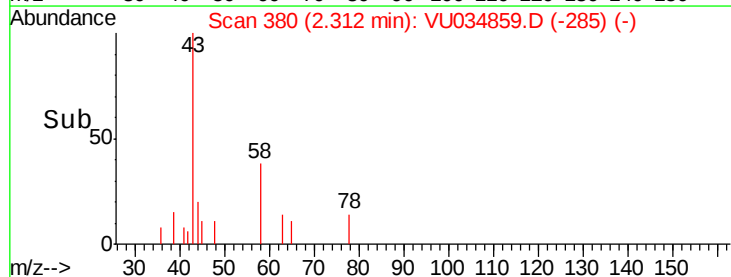
1000

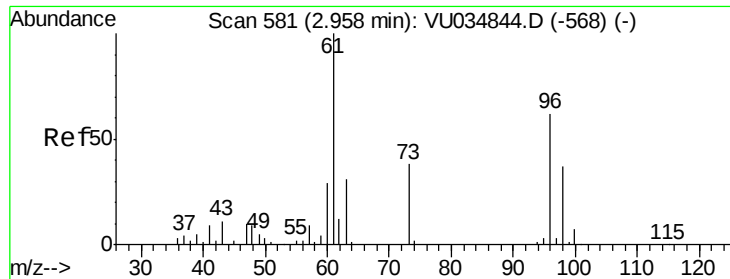
500

0

2.25 2.30 2.35

Time-->

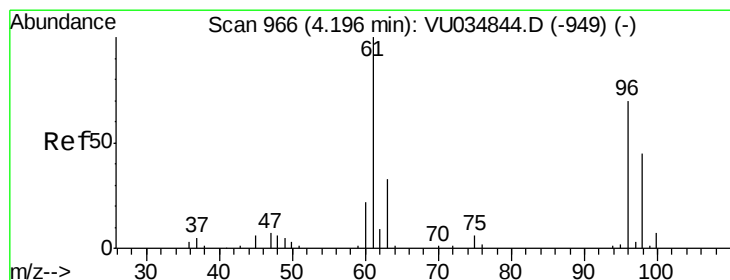
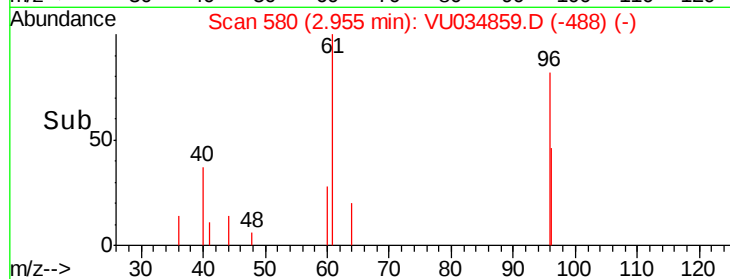
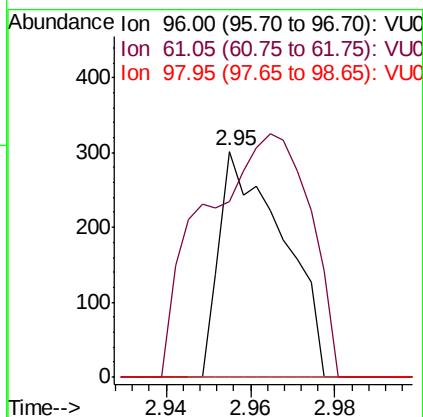
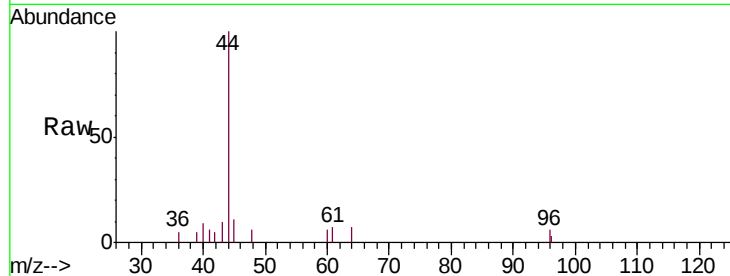




#18
 trans-1,2-Dichloroethene
 Concen: 0.068 ug/L
 RT: 2.95 min Scan# 580
 Delta R.T. -0.00 min
 Lab File: VU034859.D
 Acq: 26 Sep 2019 22:04

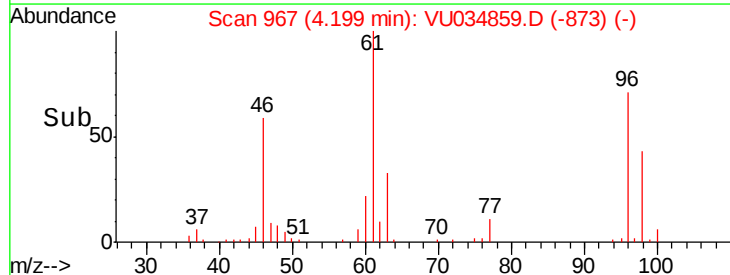
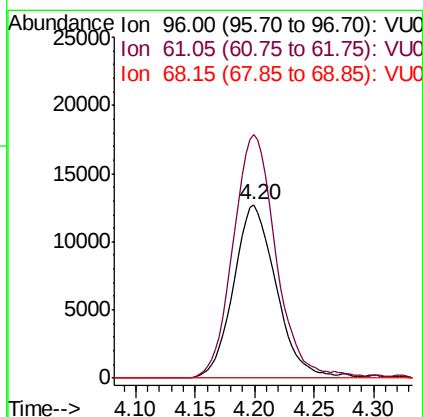
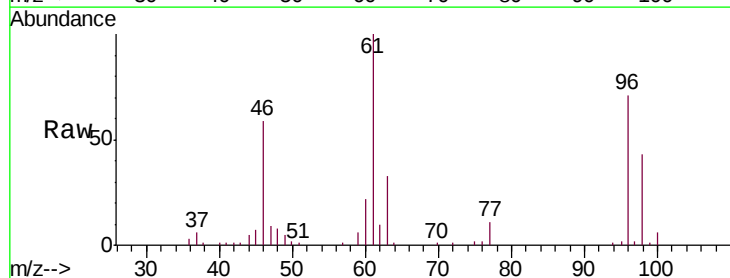
Instrument :
 MSVOA_U
 ClientSampleId :
 CWK38

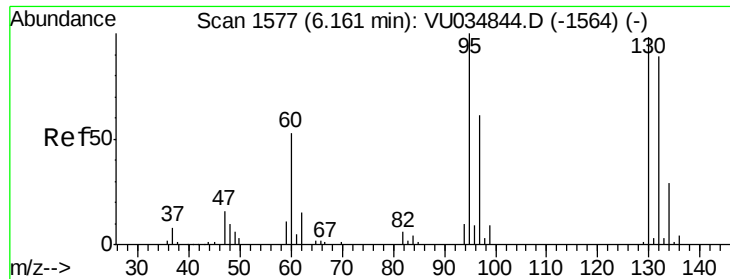
Tgt Ion: 96 Resp: 314
 Ion Ratio Lower Upper
 96 100
 61 77.8 118.2 219.6#
 98 0.0 44.8 83.2#



#22
 cis-1,2-Dichloroethene
 Concen: 5.085 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU034859.D
 Acq: 26 Sep 2019 22:04

Tgt Ion: 96 Resp: 31435
 Ion Ratio Lower Upper
 96 100
 61 140.3 100.0 185.8
 68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 5.762 ug/L

RT: 6.16 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VU034859.D

Acq: 26 Sep 2019 22:04

Instrument :

MSVOA_U

ClientSampleId :

CWK38

Tgt Ion: 95 Resp: 33831

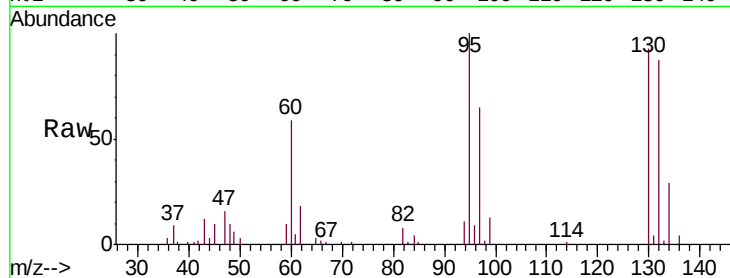
Ion Ratio Lower Upper

95 100

97 65.2 45.2 84.0

132 87.0 60.9 113.1

130 93.3 64.3 119.3

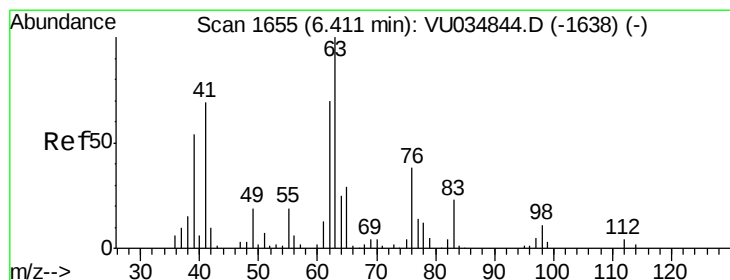
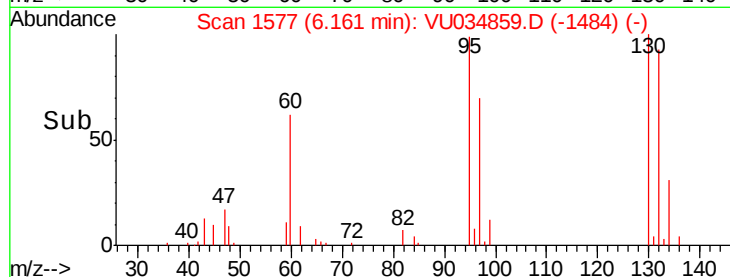
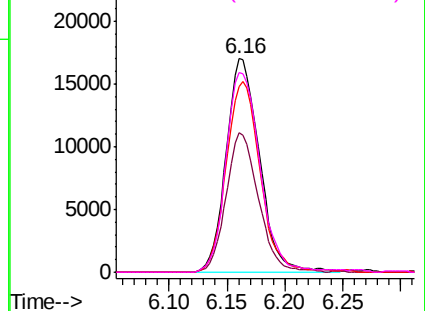


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#37

1,2-Dichloropropane

Concen: 0.513 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.10 min

Lab File: VU034859.D

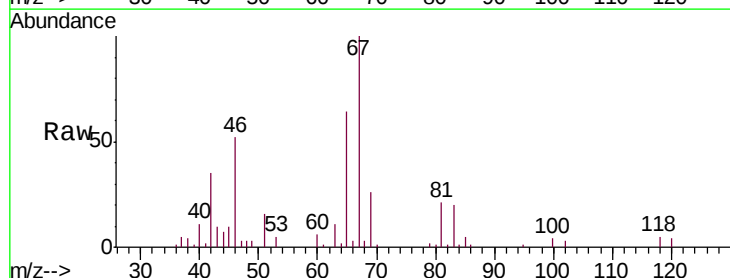
Acq: 26 Sep 2019 22:04

Tgt Ion: 63 Resp: 3734

Ion Ratio Lower Upper

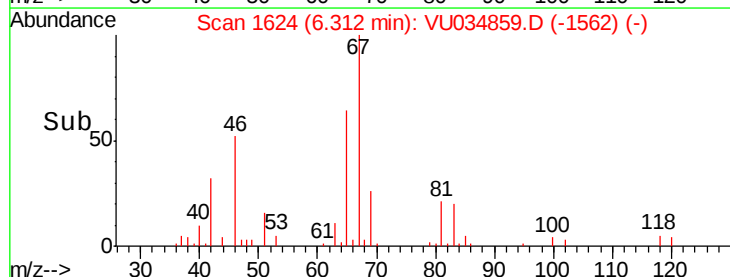
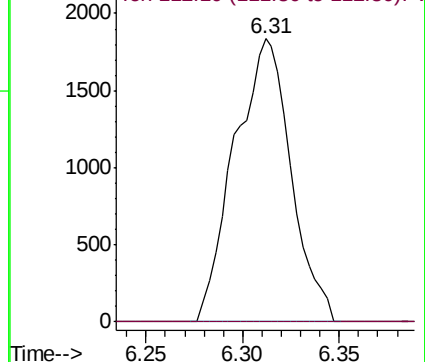
63 100

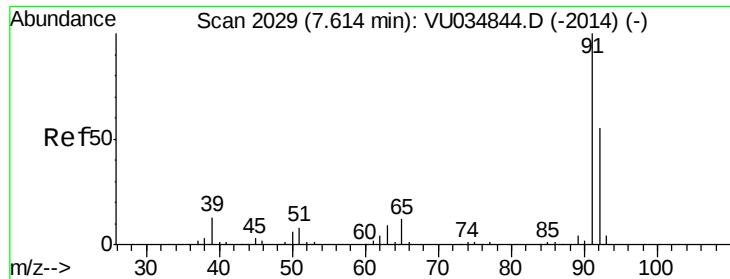
112 0.0 2.2 3.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 19.331 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034859.D

Acq: 26 Sep 2019 22:04

Instrument :

MSVOA_U

ClientSampleId :

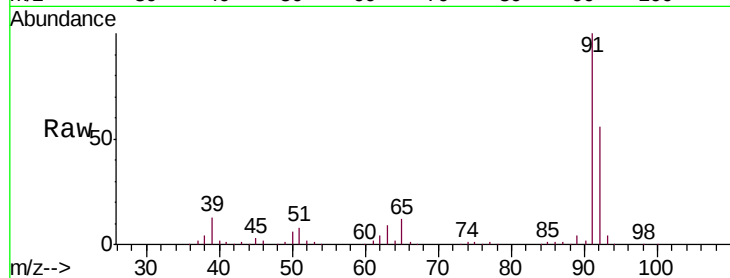
CWK38

Tgt Ion: 91 Resp: 492083

Ion Ratio Lower Upper

91 100

92 56.0 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

300000

250000

200000

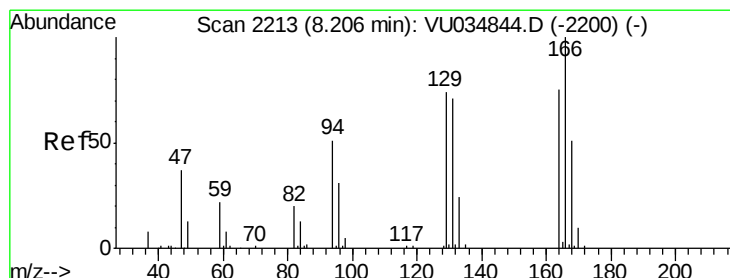
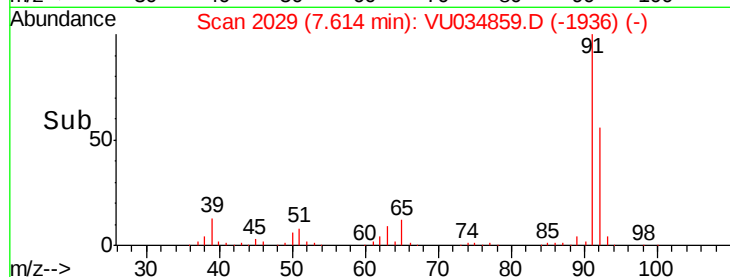
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#47

Tetrachloroethene

Concen: 1.527 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU034859.D

Acq: 26 Sep 2019 22:04

Tgt Ion: 164 Resp: 5436

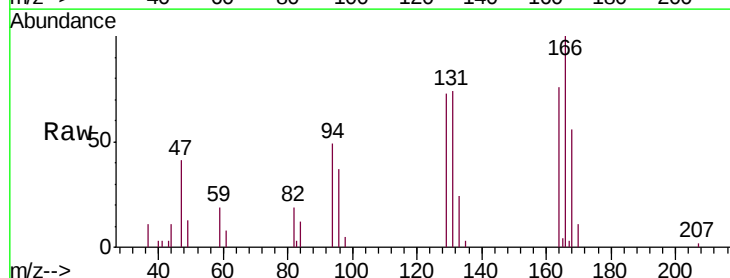
Ion Ratio Lower Upper

164 100

129 95.2 73.6 136.8

131 97.5 73.4 136.4

166 131.1 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) (-)

6000

5000

4000

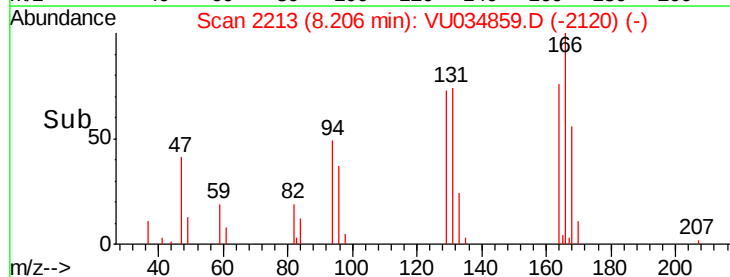
3000

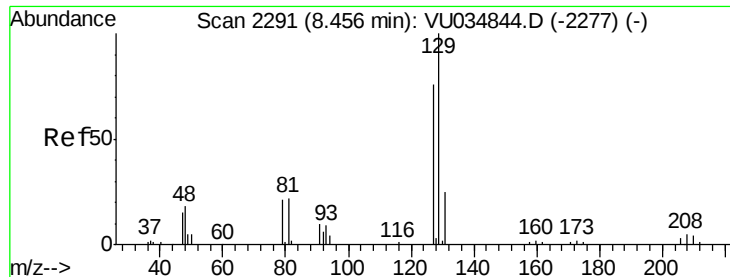
2000

1000

0

Time--> 8.15 8.20 8.25





#49

Dibromochloromethane

Concen: 0.973 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.25 min

Lab File: VU034859.D

Acq: 26 Sep 2019 22:04

Instrument :

MSVOA_U

ClientSampleId :

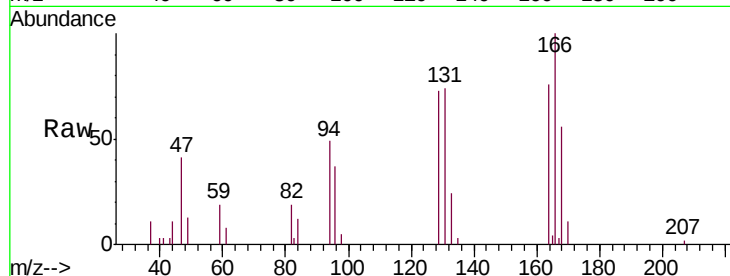
CWK38

Tgt Ion:129 Resp: 5277

Ion Ratio Lower Upper

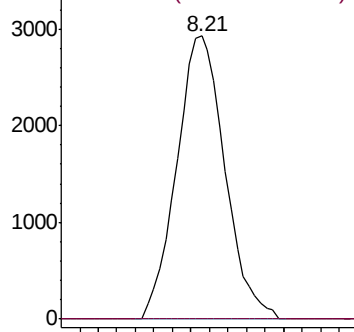
129 100

127 0.0 53.0 98.4#

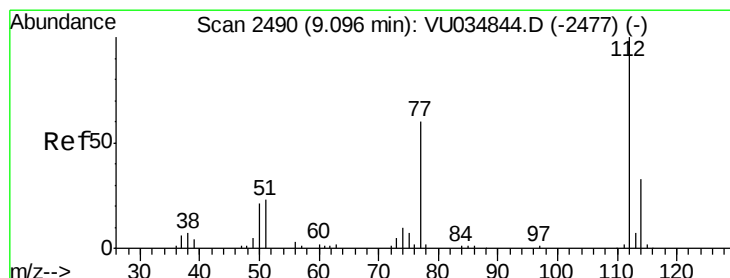
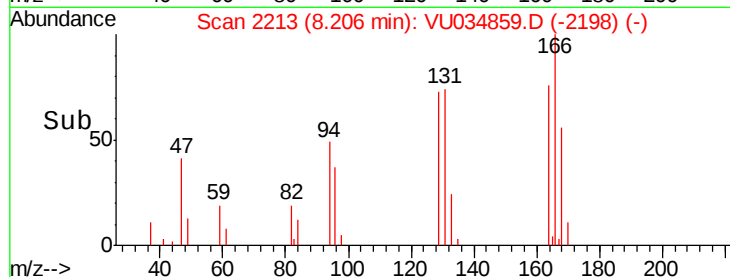


Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



Time-->



#51

Chlorobenzene

Concen: 0.087 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034859.D

Acq: 26 Sep 2019 22:04

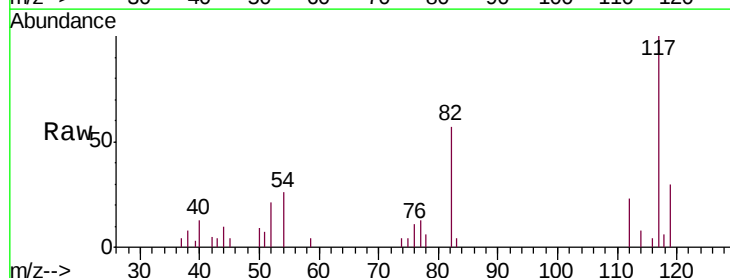
Tgt Ion:112 Resp: 1392

Ion Ratio Lower Upper

112 100

114 36.0 22.5 41.7

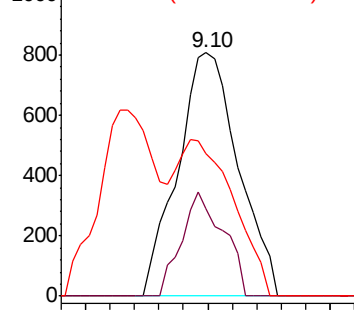
77 58.3 50.3 75.5



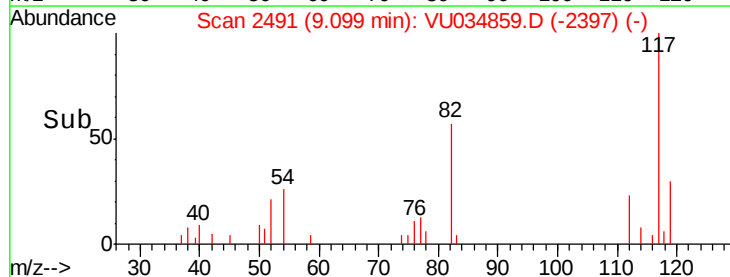
Abundance Ion 112.10 (111.80 to 112.80): V

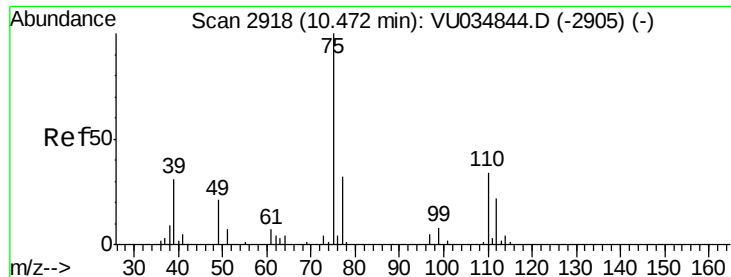
Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0



Time-->





#59

1,2,3-Trichloropropane

Concen: 1.310 ug/L

RT: 11.46 min Scan# 3225

Delta R.T. 0.99 min

Lab File: VU034859.D

Acq: 26 Sep 2019 22:04

Instrument :

MSVOA_U

ClientSampleId :

CWK38

Tgt Ion: 75 Resp: 6226

Ion Ratio Lower Upper

75 100

77 36.5 26.0 39.0

