

Data File : VU034684.D
Acq On : 20 Sep 2019 13:24
Operator : JC/SP
Sample : K4948-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BEDM9

Quant Time: Sep 21 02:32:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 21 02:29:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	483553	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	450611	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	203813	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	217211	43.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.76%
7) Chloroethane-d5	1.67	69	181331	47.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.78%
11) 1,1-Dichloroethene-d2	2.26	63	293805	35.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.10%
21) 2-Butanone-d5	4.15	46	413583	109.01	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.01%
24) Chloroform-d	4.62	84	351703	48.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.74%
26) 1,2-Dichloroethane-d4	5.29	65	256871	48.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.10%
32) Benzene-d6	5.32	84	702296	50.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.56%
36) 1,2-Dichloropropane-d6	6.31	67	248989	51.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.00%
41) Toluene-d8	7.54	98	653520	49.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.36%
43) trans-1,3-Dichloropropene-	7.83	79	115504	49.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.80%
47) 2-Hexanone-d5	8.29	63	251238	102.47	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.47%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	324190	47.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.72%
64) 1,2-Dichlorobenzene-d4	11.84	152	213196	49.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.76%

Target Compounds

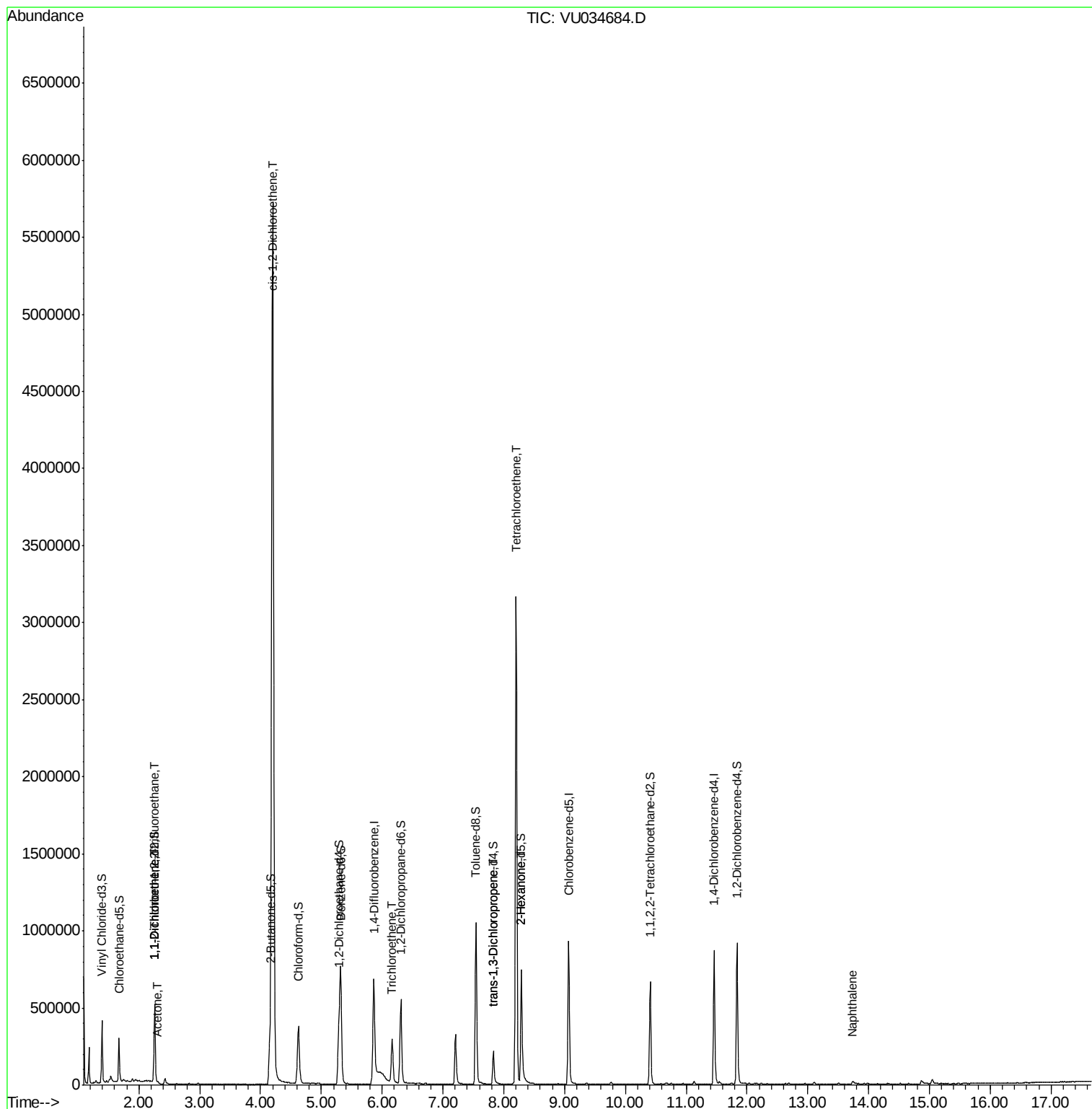
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2640	0.801	ug/L #	25
12) 1,1-Dichloroethene	2.26	96	3760	1.188	ug/L #	1
13) Acetone	2.31	43	14823	3.359	ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	2825256	698.556	ug/L #	100
34) Trichloroethene	6.16	95	97631	25.295	ug/L	95
44) trans-1,3-Dichloropropene	7.83	75	6176	0.980	ug/L #	83
46) Tetrachloroethene	8.21	164	609834	224.622	ug/L	97
48) 2-Hexanone	8.29	43	34187	4.927	ug/L #	70
69) Naphthalene	13.74	128	18258	1.418	ug/L #	93

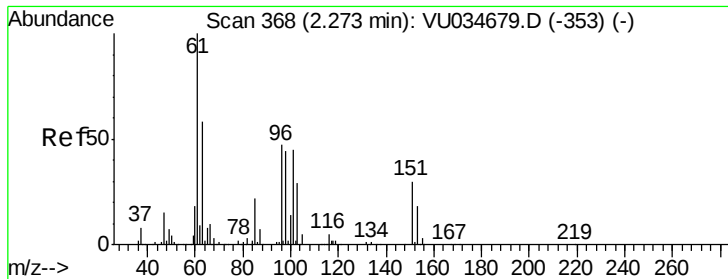
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.801 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.02 min

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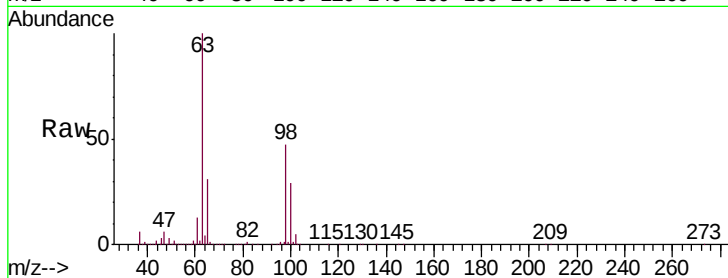
Tgt Ion: 101 Resp: 2640

Ion Ratio Lower Upper

101 100

85 2.3 39.0 58.4#

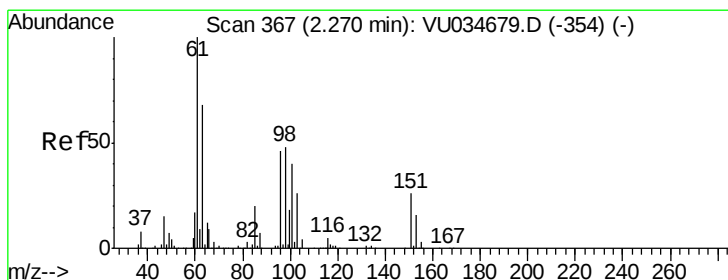
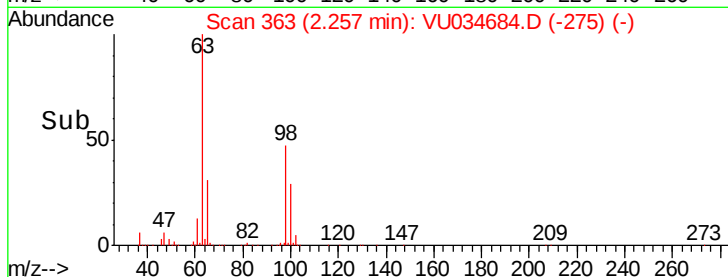
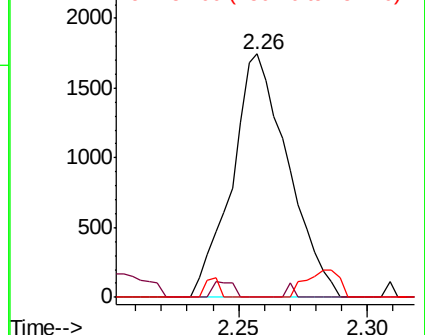
151 1.9 52.8 79.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.188 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.01 min

Lab File: VU034684.D

Acq: 20 Sep 2019 13:24

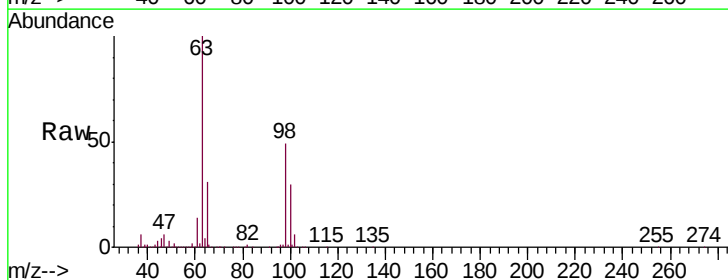
Tgt Ion: 96 Resp: 3760

Ion Ratio Lower Upper

96 100

61 1120.8 153.2 284.4#

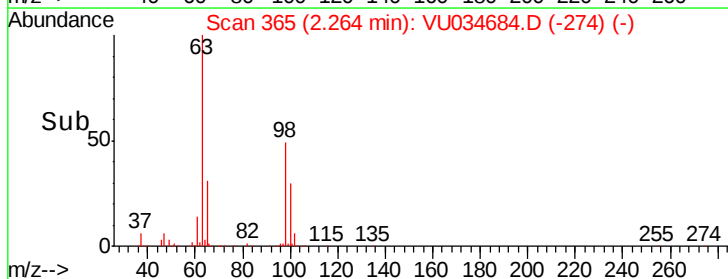
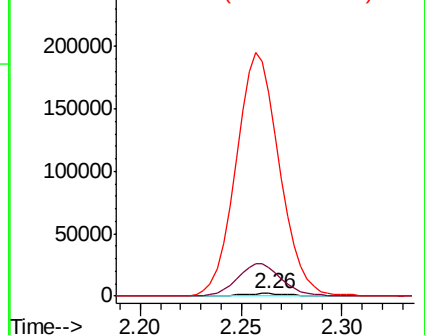
63 8011.7 113.8 211.3#

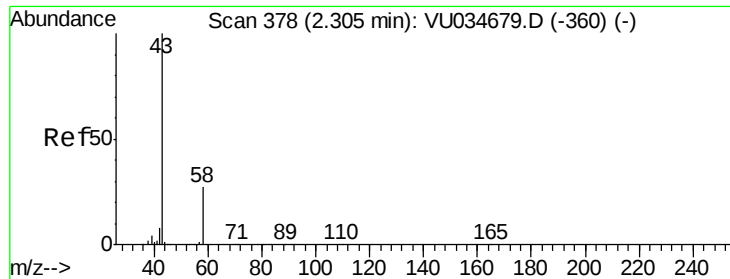


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.359 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034684.D

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MSVOA_U

ClientSampleId :

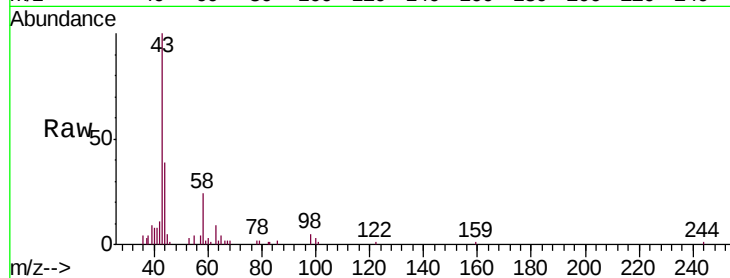
BEDM9

Tgt Ion: 43 Resp: 14823

Ion Ratio Lower Upper

43 100

58 25.7 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VU034679.D (-360) (-)

Ion 58.00 (57.70 to 58.70): VU034679.D (-360) (-)

2.31

8000

6000

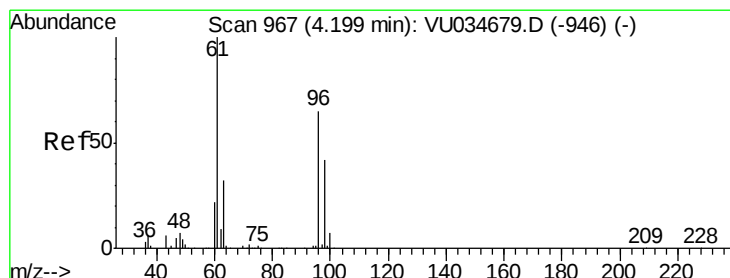
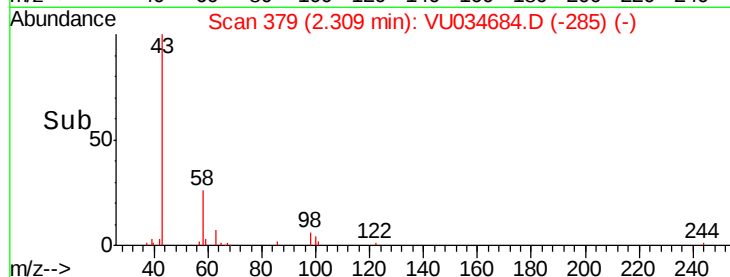
4000

2000

0

Time-->

2.25 2.30 2.35



#20

cis-1,2-Dichloroethene

Concen: 698.556 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU034684.D

Acq: 20 Sep 2019 13:24

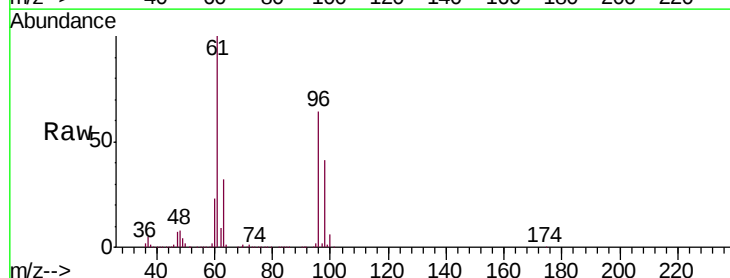
Tgt Ion: 96 Resp: 2825256

Ion Ratio Lower Upper

96 100

61 155.6 108.8 202.2

68 0.0 0.0 0.0#



Abundance Ion 96.00 (95.70 to 96.70): VU034679.D (-946) (-)

Ion 61.00 (60.70 to 61.70): VU034679.D (-946) (-)

Ion 68.00 (67.70 to 68.70): VU034679.D (-946) (-)

2500000

2000000

1500000

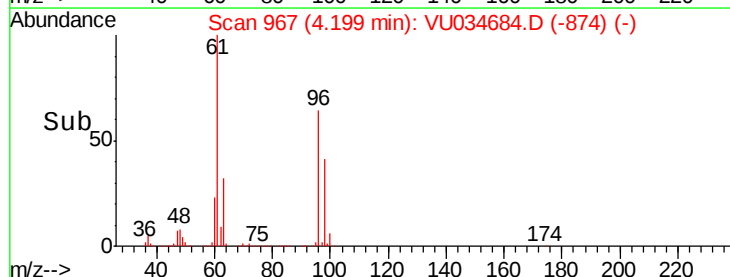
1000000

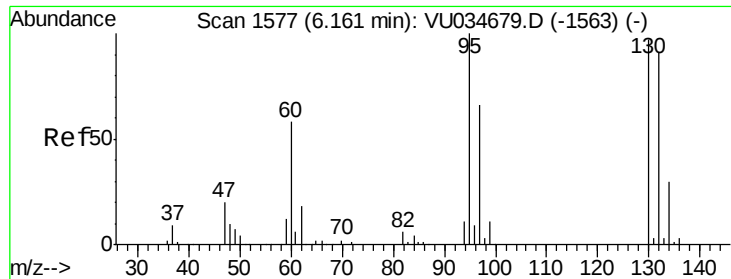
500000

0

Time-->

4.10 4.20 4.30

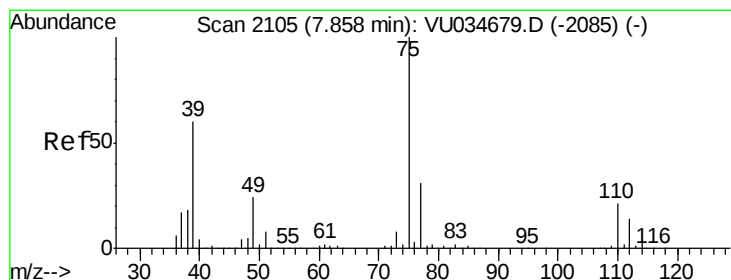
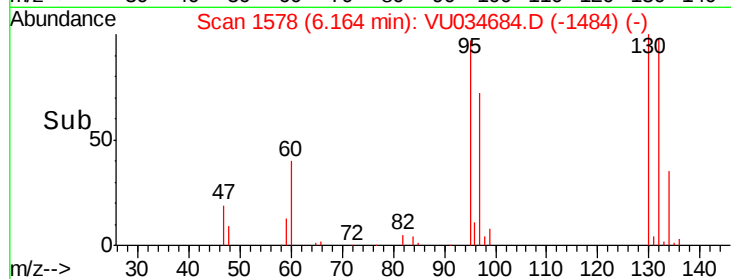
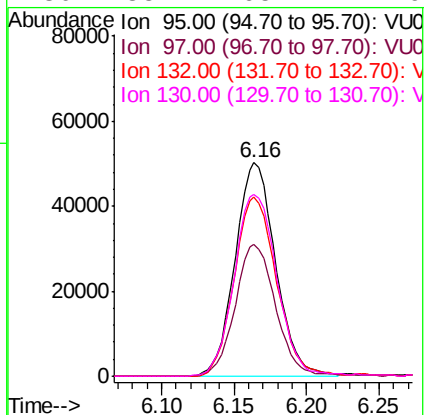
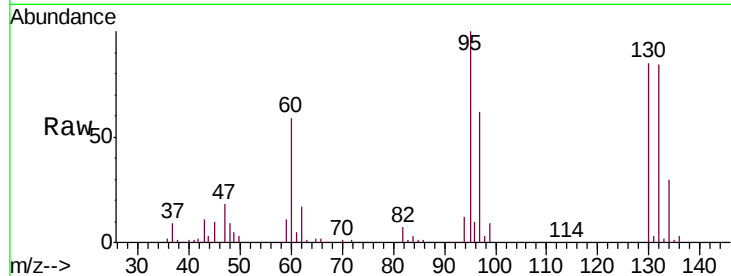




#34
 Trichloroethene
 Concen: 25.295 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU034684.D
 Acq: 20 Sep 2019 13:24

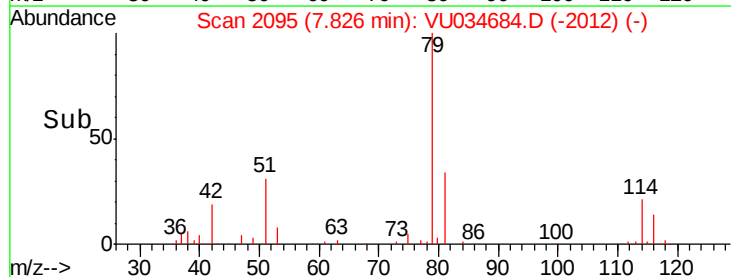
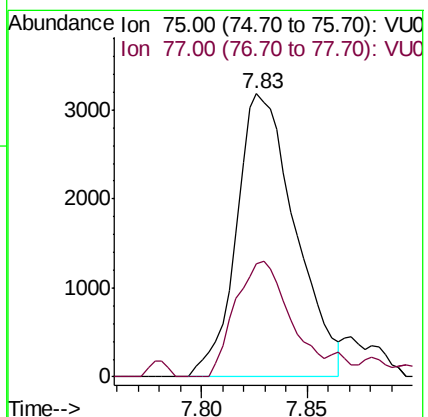
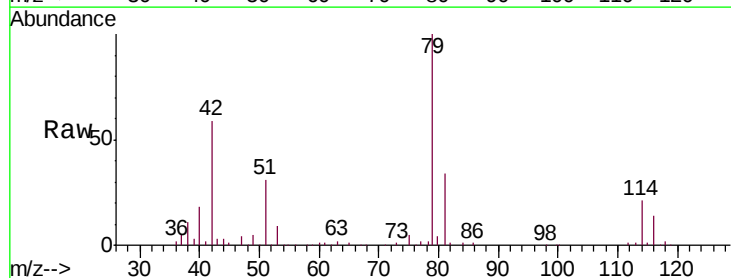
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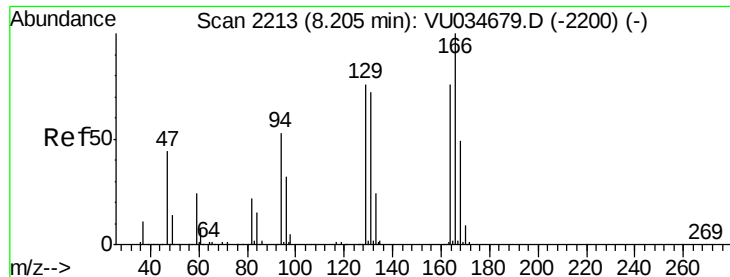
Tgt Ion: 95 Resp: 97631
 Ion Ratio Lower Upper
 95 100
 97 61.5 43.7 81.1
 132 83.7 61.0 113.2
 130 85.2 65.7 121.9



#44
 trans-1,3-Dichloropropene
 Concen: 0.980 ug/L
 RT: 7.83 min Scan# 2095
 Delta R.T. -0.03 min
 Lab File: VU034684.D
 Acq: 20 Sep 2019 13:24

Tgt Ion: 75 Resp: 6176
 Ion Ratio Lower Upper
 75 100
 77 40.0 21.4 39.8#





#46

Tetrachloroethene

Concen: 224.622 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. 0.00 min

Lab File: VU034684.D

Acq: 20 Sep 2019 13:24

Instrument :

MSVOA_U

ClientSampleId :

BEDM9

Tgt Ion:164 Resp: 609834

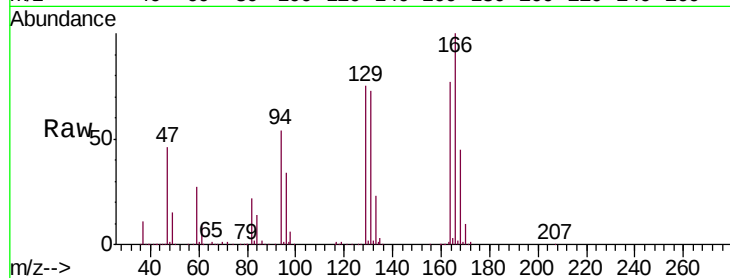
Ion Ratio Lower Upper

164 100

129 98.2 71.9 133.5

131 95.5 66.3 123.1

166 130.7 93.4 173.6

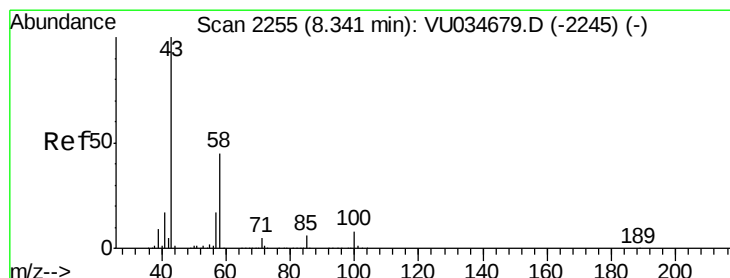
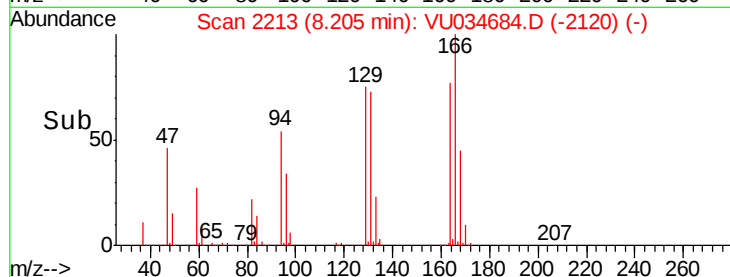
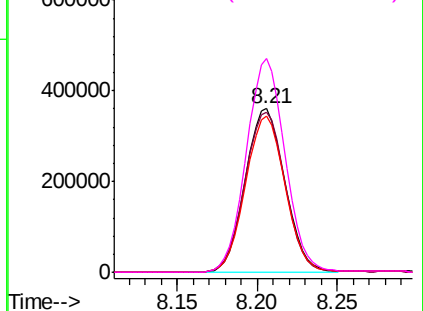


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 4.927 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. -0.05 min

Lab File: VU034684.D

Acq: 20 Sep 2019 13:24

Tgt Ion: 43 Resp: 34187

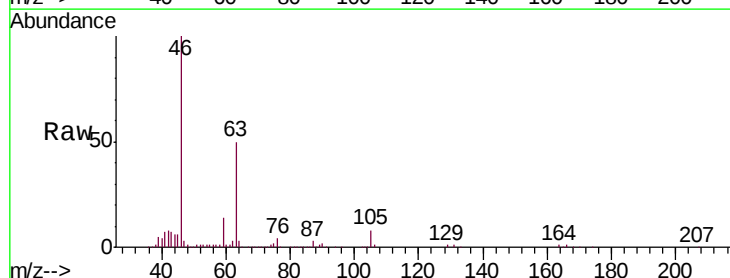
Ion Ratio Lower Upper

43 100

58 19.8 35.3 52.9#

57 19.9 12.1 18.1#

100 0.2 6.2 9.4#

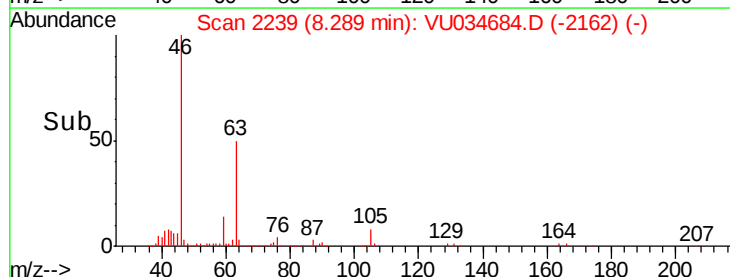
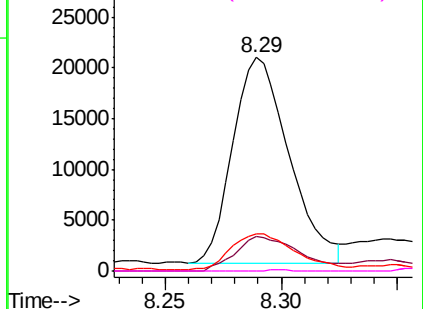


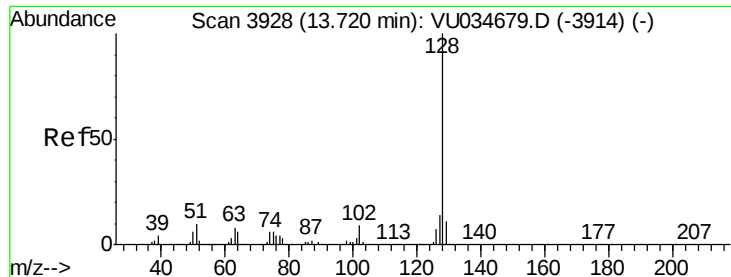
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#69

Naphthalene

Concen: 1.418 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.02 min

Lab File: VU034684.D

Acq: 20 Sep 2019 13:24

Instrument :

MSVOA_U

ClientSampleId :

BEDM9

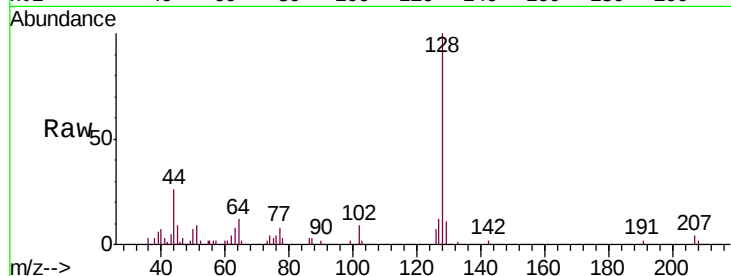
Tgt Ion:128 Resp: 18258

Ion Ratio Lower Upper

128 100

127 10.1 10.8 16.2#

129 8.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

