

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031014.D
 Acq On : 10 Apr 2019 16:33
 Operator : JC/SP
 Sample : VU0411MBL01
 Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK52

Quant Time: Apr 11 05:22:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 11 05:17:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	448317	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	441590	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	180414	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	192364	48.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.14%
7) Chloroethane-d5	1.68	69	155575	51.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.44%
11) 1,1-Dichloroethene-d2	2.27	63	269014	37.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.32%
21) 2-Butanone-d5	4.17	46	293528	92.54	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.54%
24) Chloroform-d	4.64	84	324489	53.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.16%
26) 1,2-Dichloroethane-d4	5.30	65	221364	53.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.14%
32) Benzene-d6	5.33	84	631277	48.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.94%
36) 1,2-Dichloropropane-d6	6.32	67	220312	49.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.74%
41) Toluene-d8	7.56	98	536175	46.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.84%
43) trans-1,3-Dichloropropene-	7.85	79	94518	46.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.84%
47) 2-Hexanone-d5	8.31	63	177260	87.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.79%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	309051	51.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.72%
64) 1,2-Dichlorobenzene-d4	11.86	152	193484	54.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.06%

Target Compounds

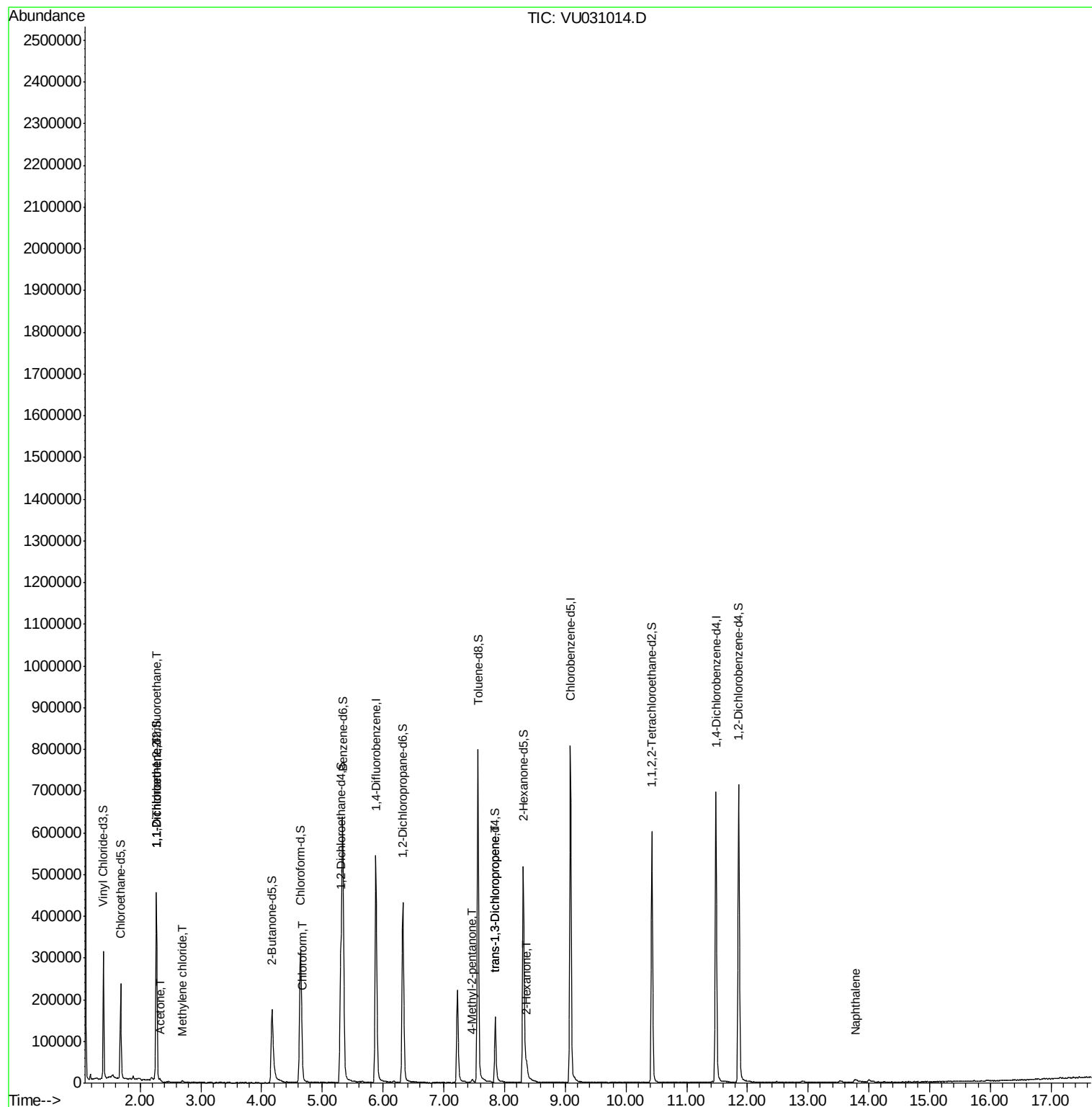
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2353	0.733	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	2402	0.775	ug/L #	1
13) Acetone	2.32	43	3493	1.076	ug/L	95
16) Methylene chloride	2.70	84	2164	0.575	ug/L	82
25) Chloroform	4.68	83	9599	1.406	ug/L	86
40) 4-Methyl-2-pentanone	7.47	43	6401	0.973	ug/L #	92
44) trans-1,3-Dichloropropene	7.85	75	3263	0.636	ug/L	93
48) 2-Hexanone	8.36	43	17625	3.433	ug/L #	93
69) Naphthalene	13.78	128	6815	0.593	ug/L #	79

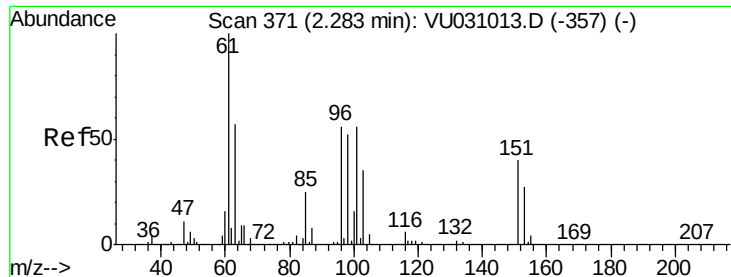
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
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Instrument :
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Quant Title : VOC Analysis
QLast Update : Thu Apr 11 05:17:40 2019
Response via : Initial Calibration





#10

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

Concen: 0.733 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031014.D

Acq: 10 Apr 2019 16:33

Instrument :

MSVOA_U

ClientSampleId :

VBLK52

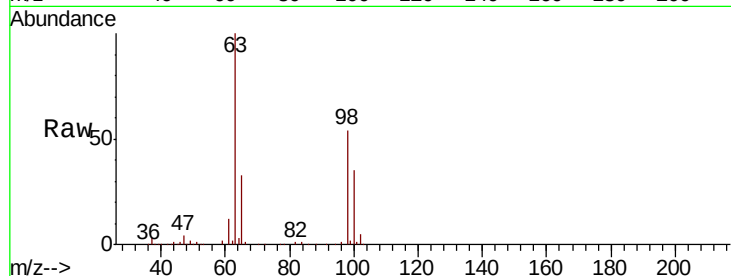
Tot Ion:101 Resp: 2353

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

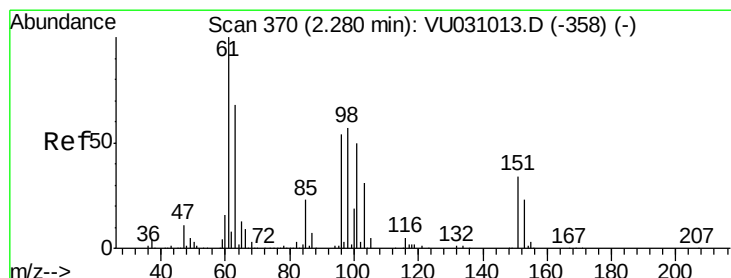
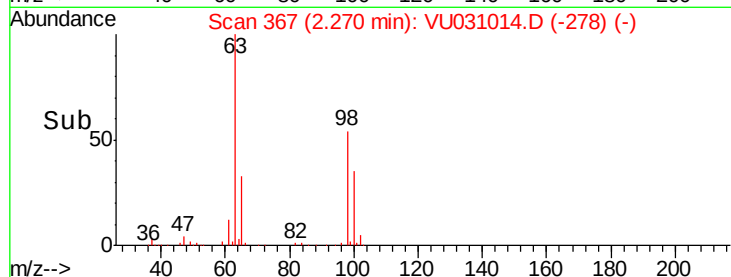
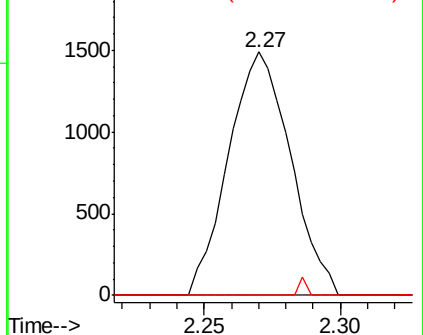
151 0.0 57.4 86.0#



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: 0.775 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU031014.D

Acq: 10 Apr 2019 16:33

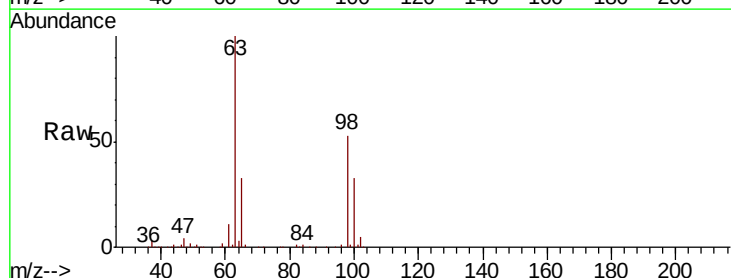
Tgt Ion: 96 Resp: 2402

Ion Ratio Lower Upper

96 100

61 1431.1 132.0 245.2#

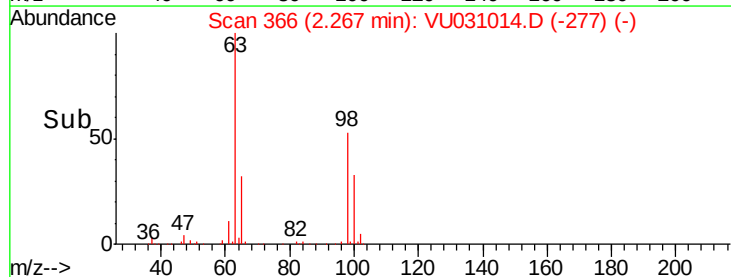
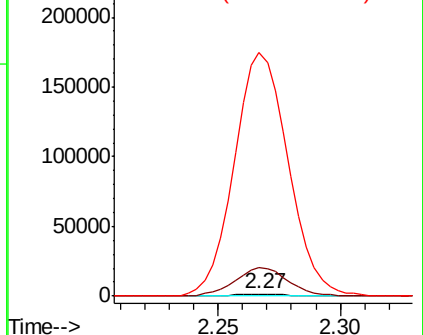
63 12457.6 90.9 168.9#

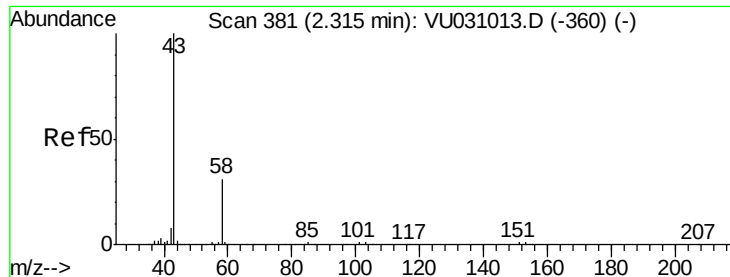


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.076 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU031014.D

Acq: 10 Apr 2019 16:33

Instrument :

MSVOA_U

ClientSampleId :

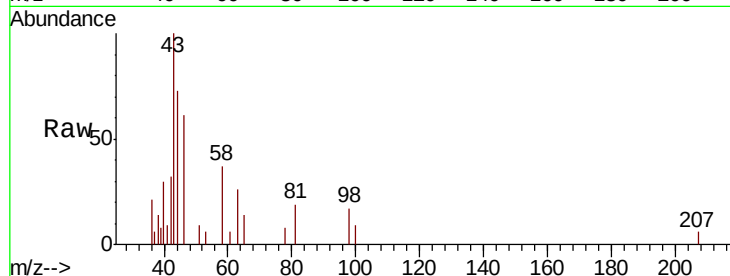
VBLK52

Tot Ion: 43 Resp: 3493

Ion Ratio Lower Upper

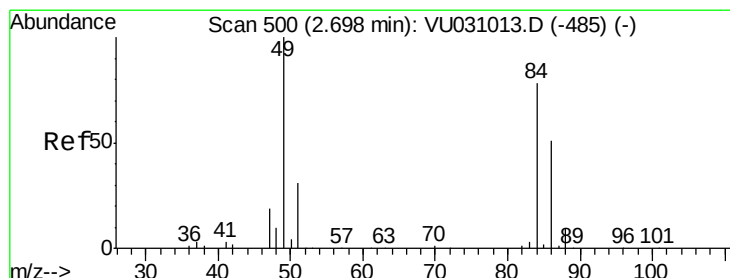
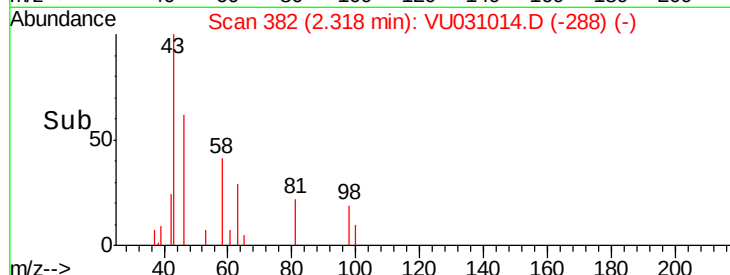
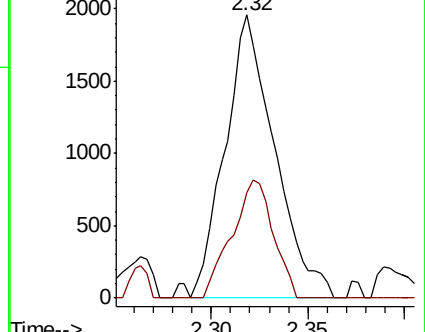
43 100

58 34.8 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU031013.D (-360) (-)

Ion 58.00 (57.70 to 58.70): VU031013.D (-360) (-)



#16

Methylene chloride

Concen: 0.575 ug/L

RT: 2.70 min Scan# 501

Delta R.T. 0.00 min

Lab File: VU031014.D

Acq: 10 Apr 2019 16:33

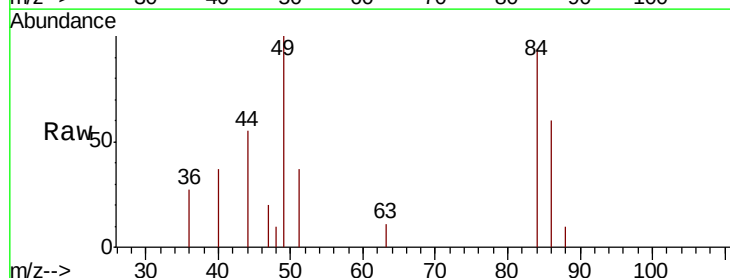
Tgt Ion: 84 Resp: 2164

Ion Ratio Lower Upper

84 100

86 63.6 45.1 83.7

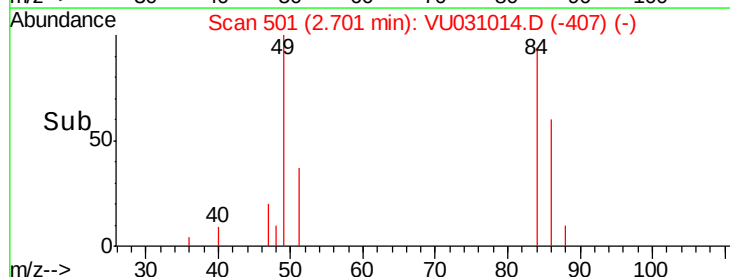
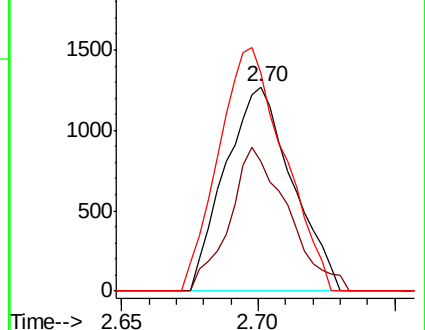
49 106.8 96.5 179.1

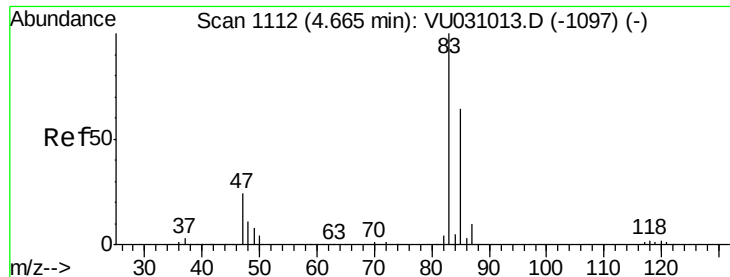


Abundance Ion 84.00 (83.70 to 84.70): VU031013.D (-485) (-)

Ion 86.00 (85.70 to 86.70): VU031013.D (-485) (-)

Ion 49.00 (48.70 to 49.70): VU031013.D (-485) (-)

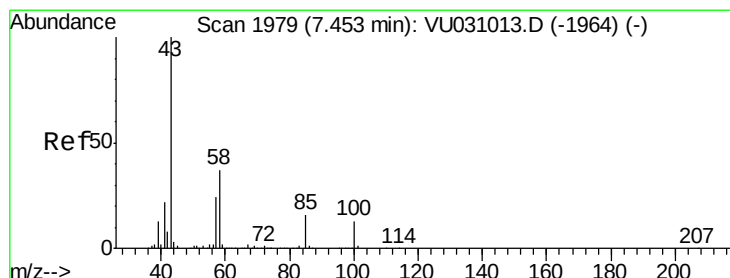
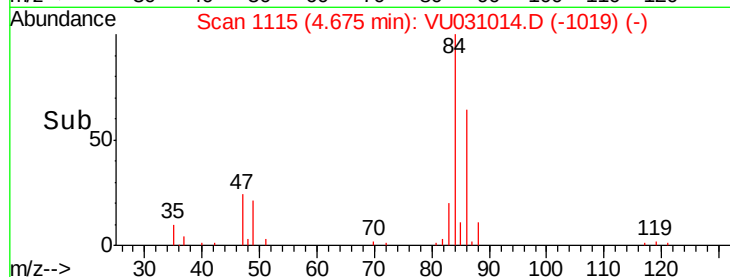
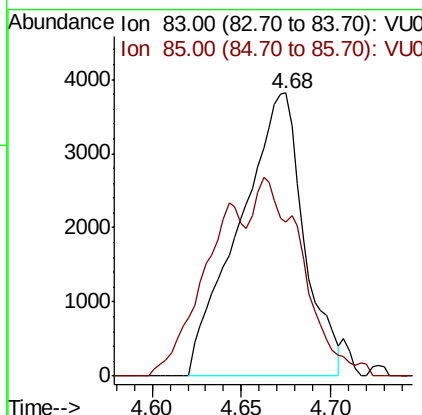
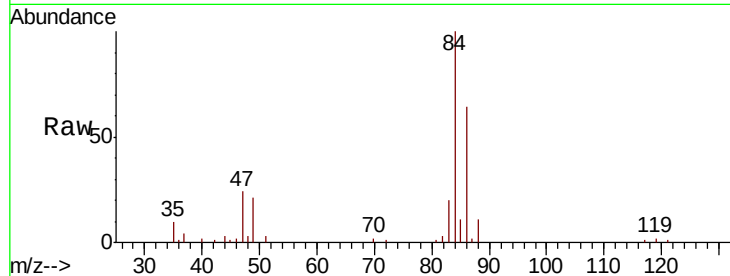




#25
Chloroform
Concen: 1.406 ug/L
RT: 4.68 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VU031014.D
Acq: 10 Apr 2019 16:33

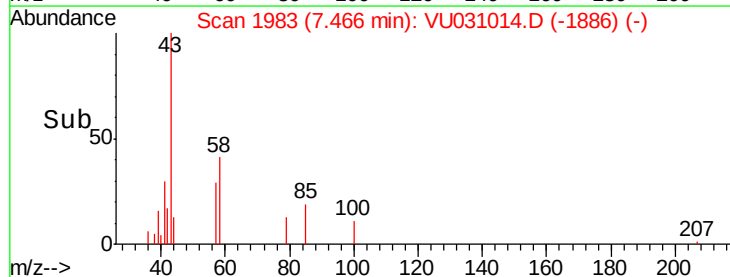
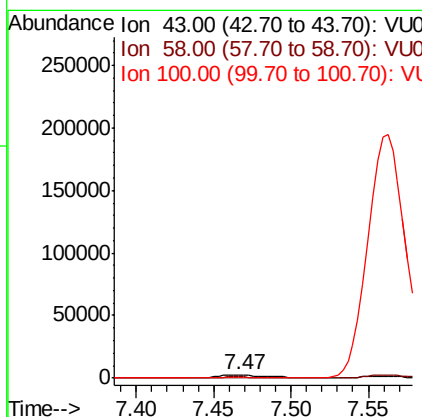
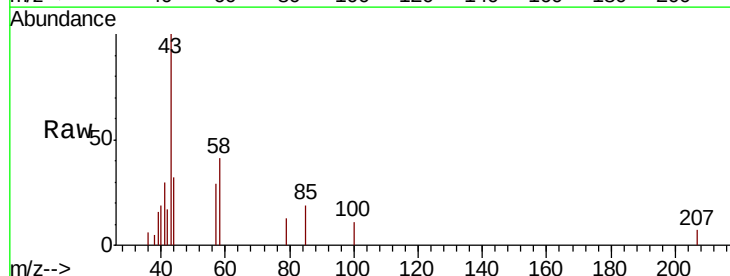
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VBLK52

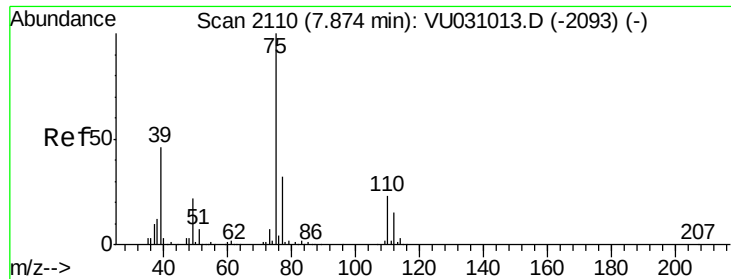
Tot Ion: 83 Resp: 9599
Ion Ratio Lower Upper
83 100
85 54.4 45.8 85.0



#40
4-Methyl-2-pentanone
Concen: 0.973 ug/L
RT: 7.47 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VU031014.D
Acq: 10 Apr 2019 16:33

Tgt Ion: 43 Resp: 6401
Ion Ratio Lower Upper
43 100
58 33.8 29.7 44.5
100 5.5 9.8 14.6#





#44

trans-1,3-Dichloropropene

Concen: 0.636 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031014.D

Acq: 10 Apr 2019 16:33

Instrument :

MSVOA_U

ClientSampleId :

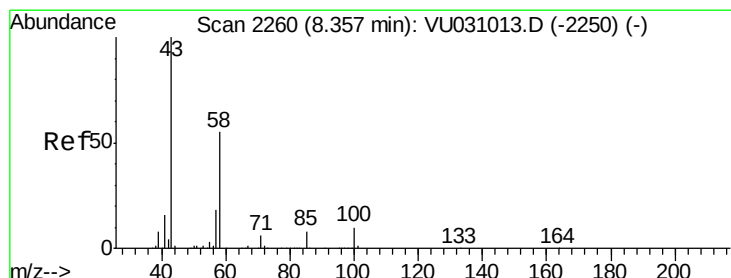
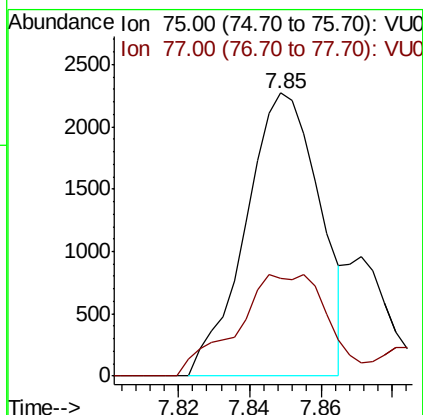
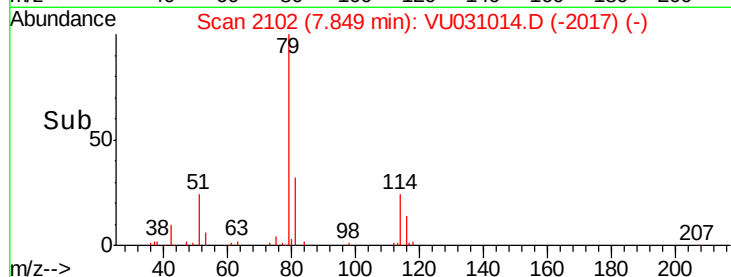
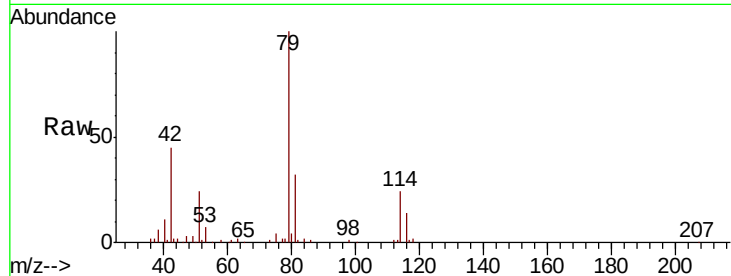
VBLK52

Tot Ion: 75 Resp: 3263

Ion Ratio Lower Upper

75 100

77 34.6 21.6 40.0



#48

2-Hexanone

Concen: 3.433 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. 0.01 min

Lab File: VU031014.D

Acq: 10 Apr 2019 16:33

Tgt Ion: 43 Resp: 17625

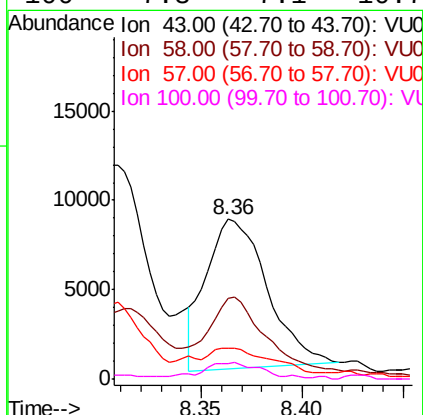
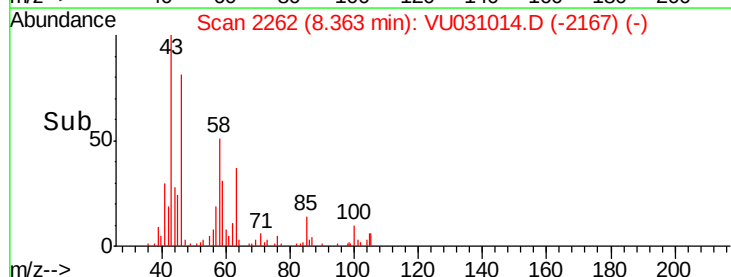
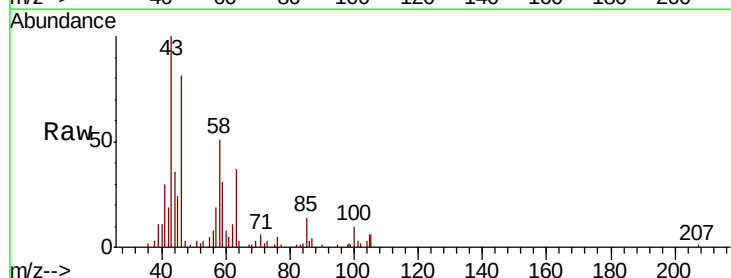
Ion Ratio Lower Upper

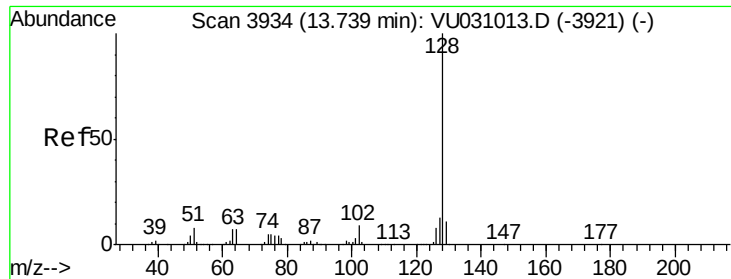
43 100

58 48.0 41.9 62.9

57 23.2 14.3 21.5#

100 7.3 7.1 10.7





#69

Naphthalene

Concen: 0.593 ug/L

RT: 13.78 min Scan# 3948

Delta R.T. 0.05 min

Lab File: VU031014.D

Acq: 10 Apr 2019 16:33

Instrument :

MSVOA_U

ClientSampleId :

VBLK52

Tot Ion:128 Resp: 6815

Ion Ratio Lower Upper

128 100

127 6.9 10.4 15.6#

129 0.0 8.6 12.8#

