

Data File : VU031989.D
Acq On : 14 May 2019 13:09
Operator : JC/SP
Sample : VU0514MBL01
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK36

Quant Time: May 15 04:29:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 15 04:26:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1070826	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	1067002	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	426241	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	445446	47.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.80%
7) Chloroethane-d5	1.68	69	372807	49.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.27	63	607235	36.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.10%
21) 2-Butanone-d5	4.17	46	661144	100.48	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.48%
24) Chloroform-d	4.64	84	746914	47.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.98%
26) 1,2-Dichloroethane-d4	5.30	65	484162	48.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.74%
32) Benzene-d6	5.34	84	1560864	50.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.06%
36) 1,2-Dichloropropane-d6	6.32	67	518781	50.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.80%
41) Toluene-d8	7.56	98	1376193	49.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.46%
43) trans-1,3-Dichloropropene-	7.85	79	220123	48.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.92%
47) 2-Hexanone-d5	8.31	63	422527	102.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.23%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	706043	46.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.62%
64) 1,2-Dichlorobenzene-d4	11.86	152	462373	51.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.10%

Target Compounds

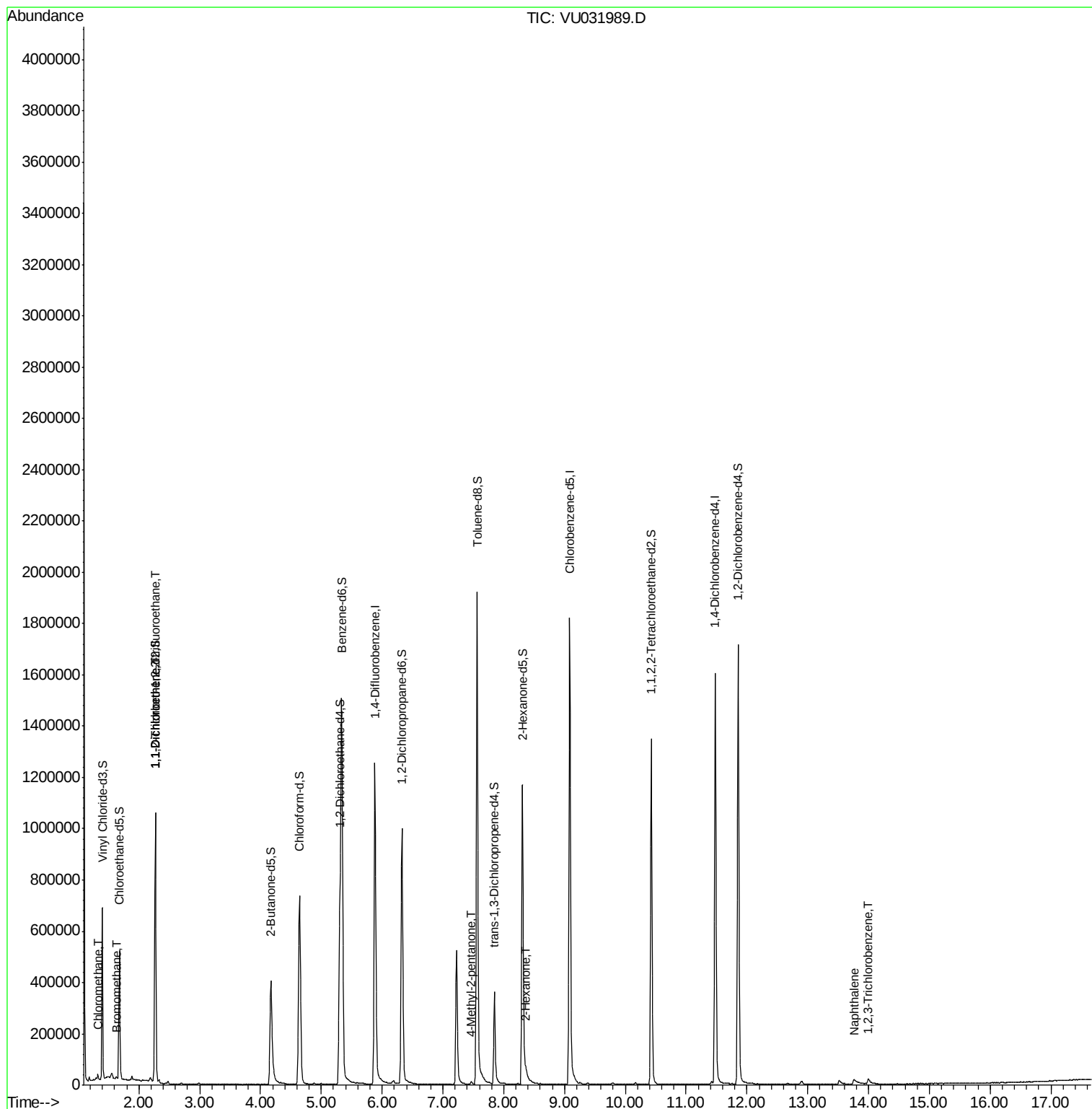
					Qvalue
3) Chloromethane	1.33	50	12297	1.117 ug/L	97
6) Bromomethane	1.63	94	5292	0.873 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	6349	0.797 ug/L #	36
12) 1,1-Dichloroethene	2.27	96	5370	0.679 ug/L #	1
40) 4-Methyl-2-pentanone	7.46	43	7454	0.585 ug/L #	90
48) 2-Hexanone	8.37	43	23983	2.320 ug/L #	86
69) Naphthalene	13.76	128	30588	1.193 ug/L #	84
70) 1,2,3-Trichlorobenzene	14.00	180	4836	0.577 ug/L #	48

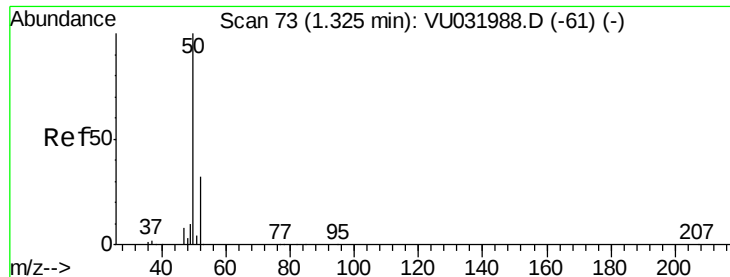
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.117 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU031989.D

Acq: 14 May 2019 13:09

Instrument :

MSVOA_U

ClientSampleId :

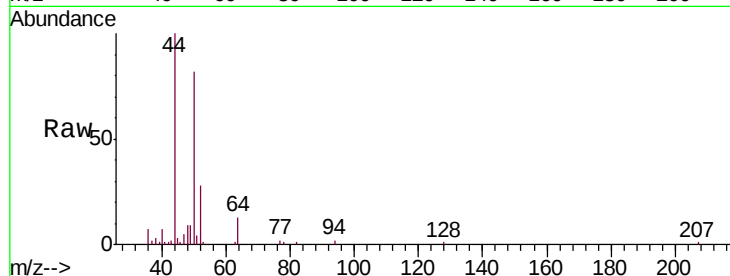
VBLK36

Tgt Ion: 50 Resp: 12297

Ion Ratio Lower Upper

50 100

52 34.4 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU031988.D (-61) (-)

Ion 52.00 (51.70 to 52.70): VU031988.D (-61) (-)

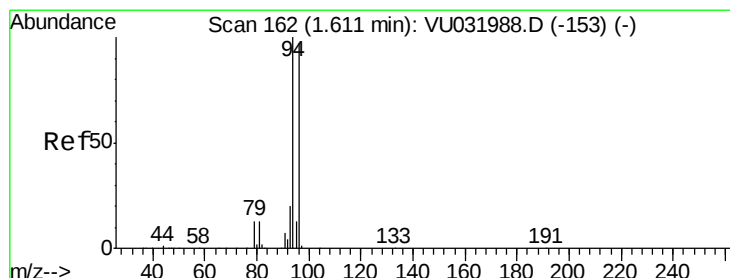
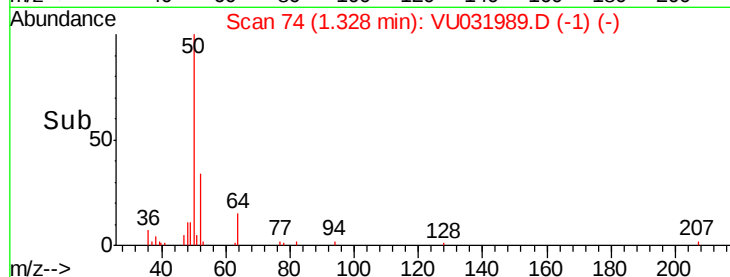
1.33

10000

5000

0

Time-->



#6

Bromomethane

Concen: 0.873 ug/L

RT: 1.63 min Scan# 167

Delta R.T. 0.02 min

Lab File: VU031989.D

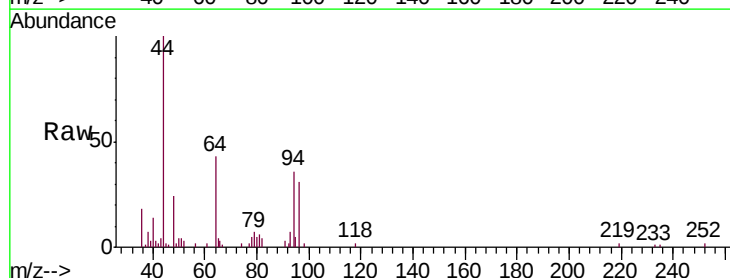
Acq: 14 May 2019 13:09

Tgt Ion: 94 Resp: 5292

Ion Ratio Lower Upper

94 100

96 85.5 64.0 118.8



Abundance Ion 94.00 (93.70 to 94.70): VU031988.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU031988.D (-153) (-)

1.63

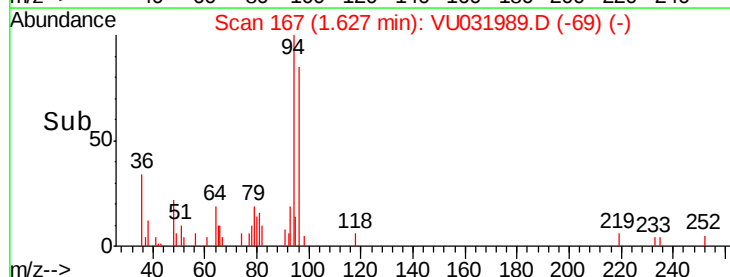
3000

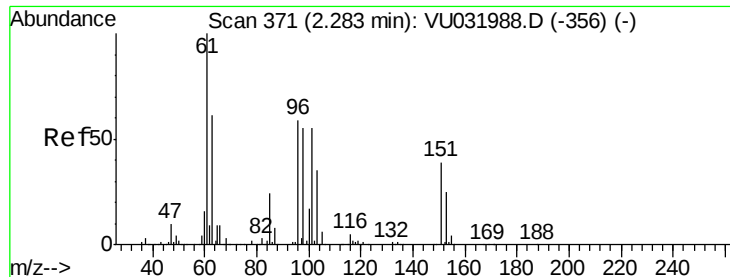
2000

1000

0

Time-->





#10

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

Concen: 0.797 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031989.D

Acq: 14 May 2019 13:09

Instrument :

MSVOA_U

ClientSampleID :

VBLK36

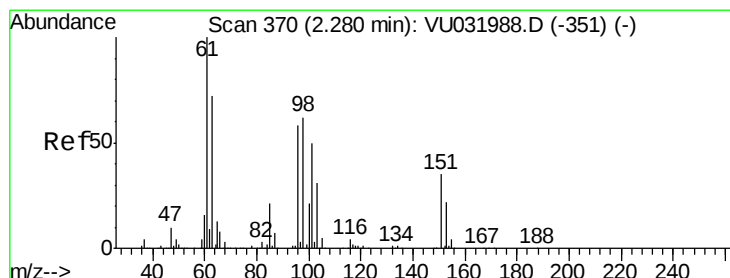
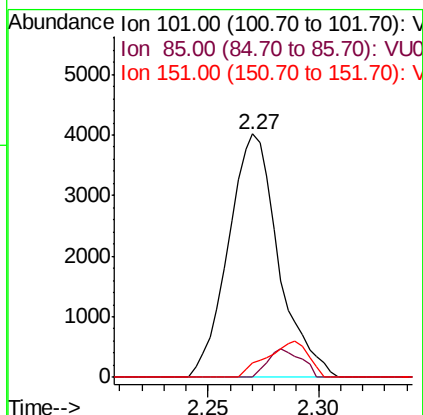
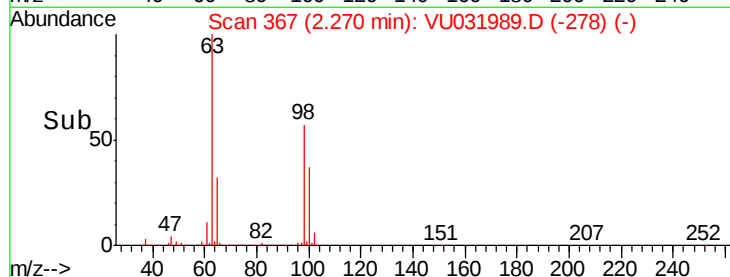
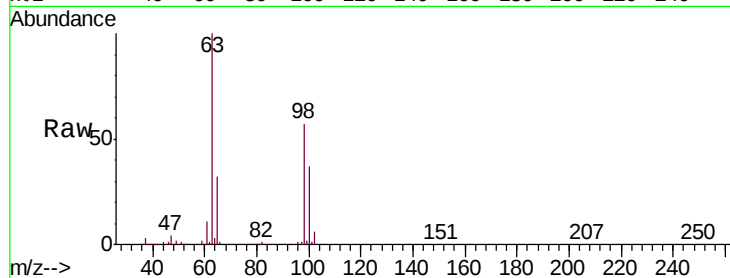
Tgt Ion:101 Resp: 6349

Ion Ratio Lower Upper

101 100

85 7.7 34.1 51.1#

151 12.2 55.8 83.8#



#12

1,1-Dichloroethene

Concen: 0.679 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031989.D

Acq: 14 May 2019 13:09

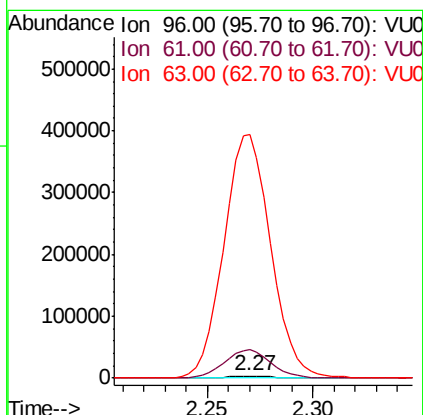
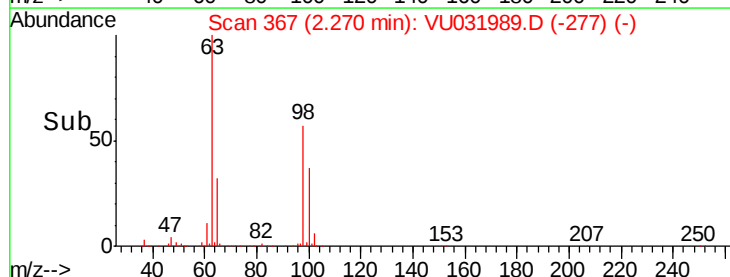
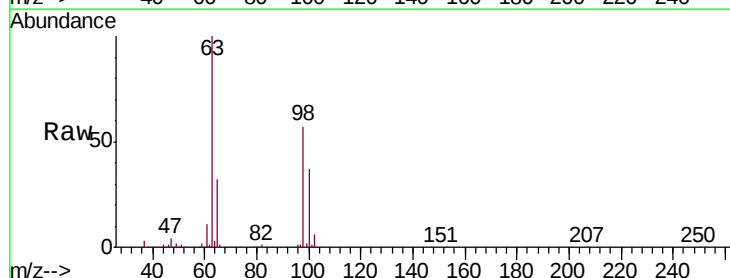
Tgt Ion: 96 Resp: 5370

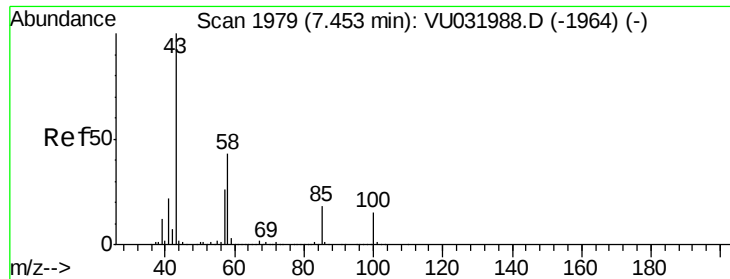
Ion Ratio Lower Upper

96 100

61 1479.1 120.9 224.5#

63 12883.7 84.4 156.8#

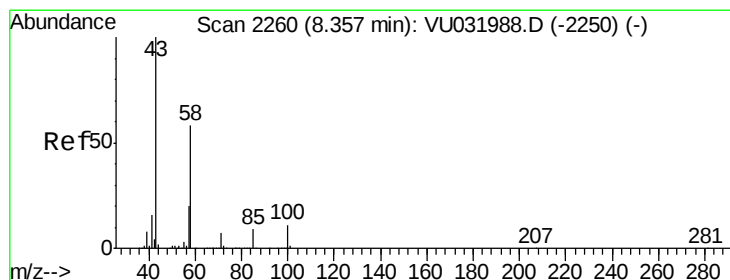
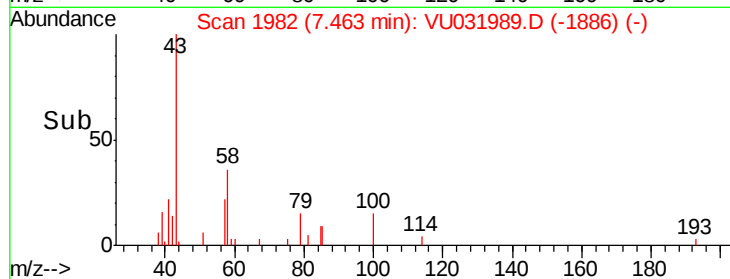
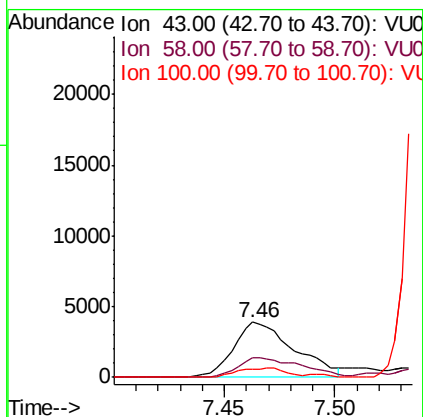
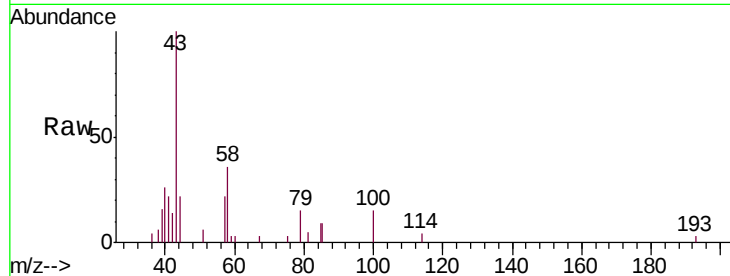




#40
4-Methyl-2-pentanone
Concen: 0.585 ug/L
RT: 7.46 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VU031989.D
Acq: 14 May 2019 13:09

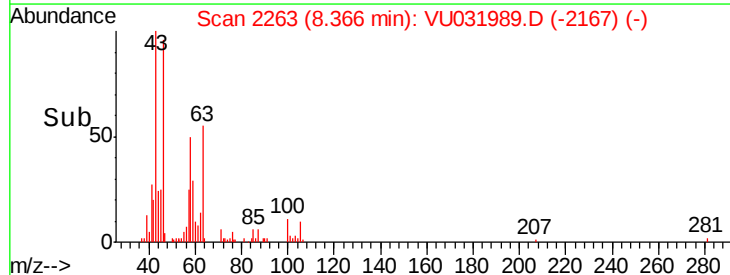
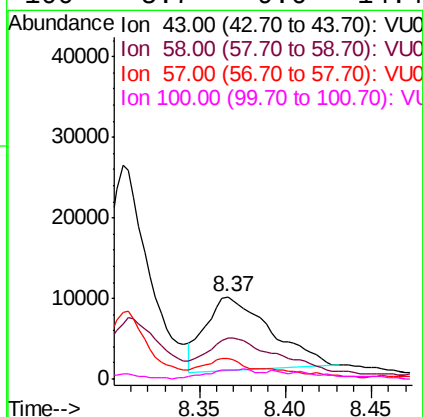
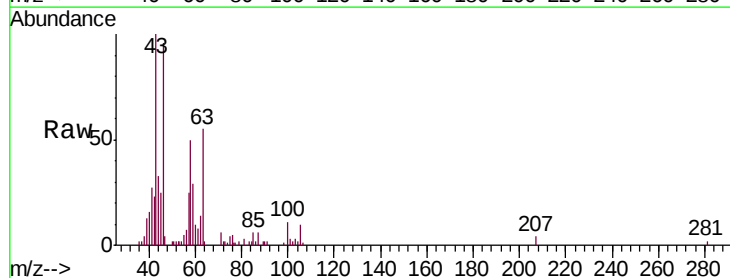
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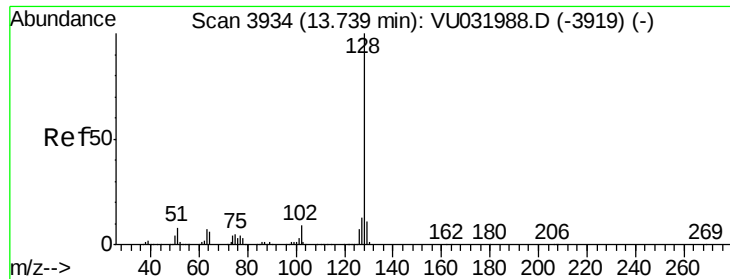
Tgt Ion: 43 Resp: 7454
Ion Ratio Lower Upper
43 100
58 37.6 33.6 50.4
100 7.1 11.8 17.8#



#48
2-Hexanone
Concen: 2.320 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU031989.D
Acq: 14 May 2019 13:09

Tgt Ion: 43 Resp: 23983
Ion Ratio Lower Upper
43 100
58 52.1 47.8 71.6
57 9.0 16.0 24.0#
100 5.7 9.6 14.4#





#69

Naphthalene

Concen: 1.193 ug/L

RT: 13.76 min Scan# 3940

Delta R.T. 0.02 min

Lab File: VU031989.D

Acq: 14 May 2019 13:09

Instrument :

MSVOA_U

ClientSampleId :

VBLK36

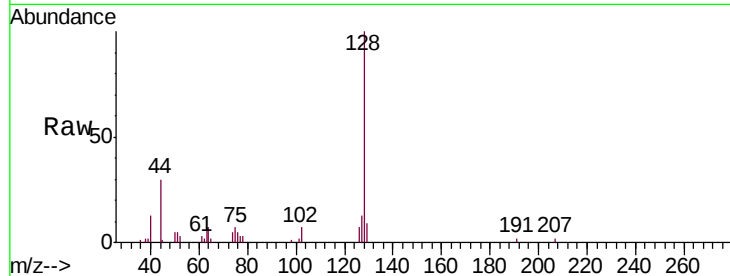
Tgt Ion:128 Resp: 30588

Ion Ratio Lower Upper

128 100

127 7.5 10.6 16.0#

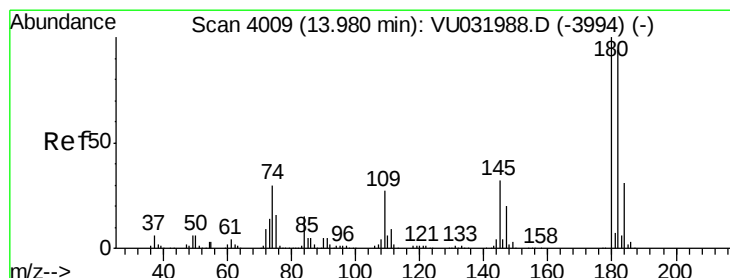
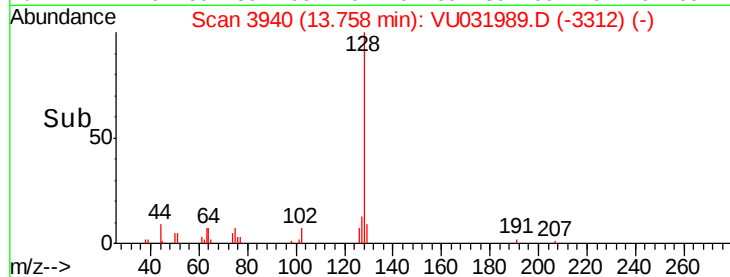
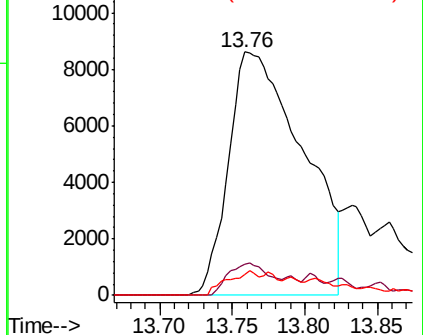
129 4.1 8.6 13.0#



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



#70

1,2,3-Trichlorobenzene

Concen: 0.577 ug/L

RT: 14.00 min Scan# 4014

Delta R.T. 0.02 min

Lab File: VU031989.D

Acq: 14 May 2019 13:09

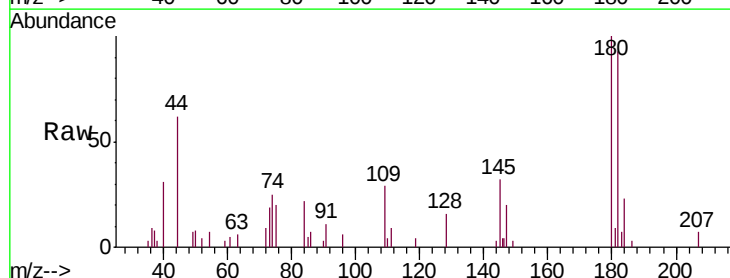
Tgt Ion:180 Resp: 4836

Ion Ratio Lower Upper

180 100

182 157.8 75.8 113.6#

145 39.6 25.5 38.3#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

