

Data File : VU029439.D
Acq On : 13 Feb 2019 11:13
Operator : JC/SP
Sample : VU0213WBL01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK51

Quant Time: Feb 14 00:21:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 14 00:18:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	204450	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	195012	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	103567	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	63530	4.62	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.40%
7) Chloroethane-d5	1.68	69	56354	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	2.27	63	100870	3.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.60%
20) 2-Butanone-d5	4.19	46	136475	47.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.56%
24) Chloroform-d	4.65	84	95381	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
26) 1,2-Dichloroethane-d4	5.31	65	54867	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.33	84	227030	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.33	67	65973	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.56	98	214024	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
43) trans-1,3-Dichloropropene-	7.85	79	28284	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.31	63	138657	48.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.32%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	56578	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	92271	4.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

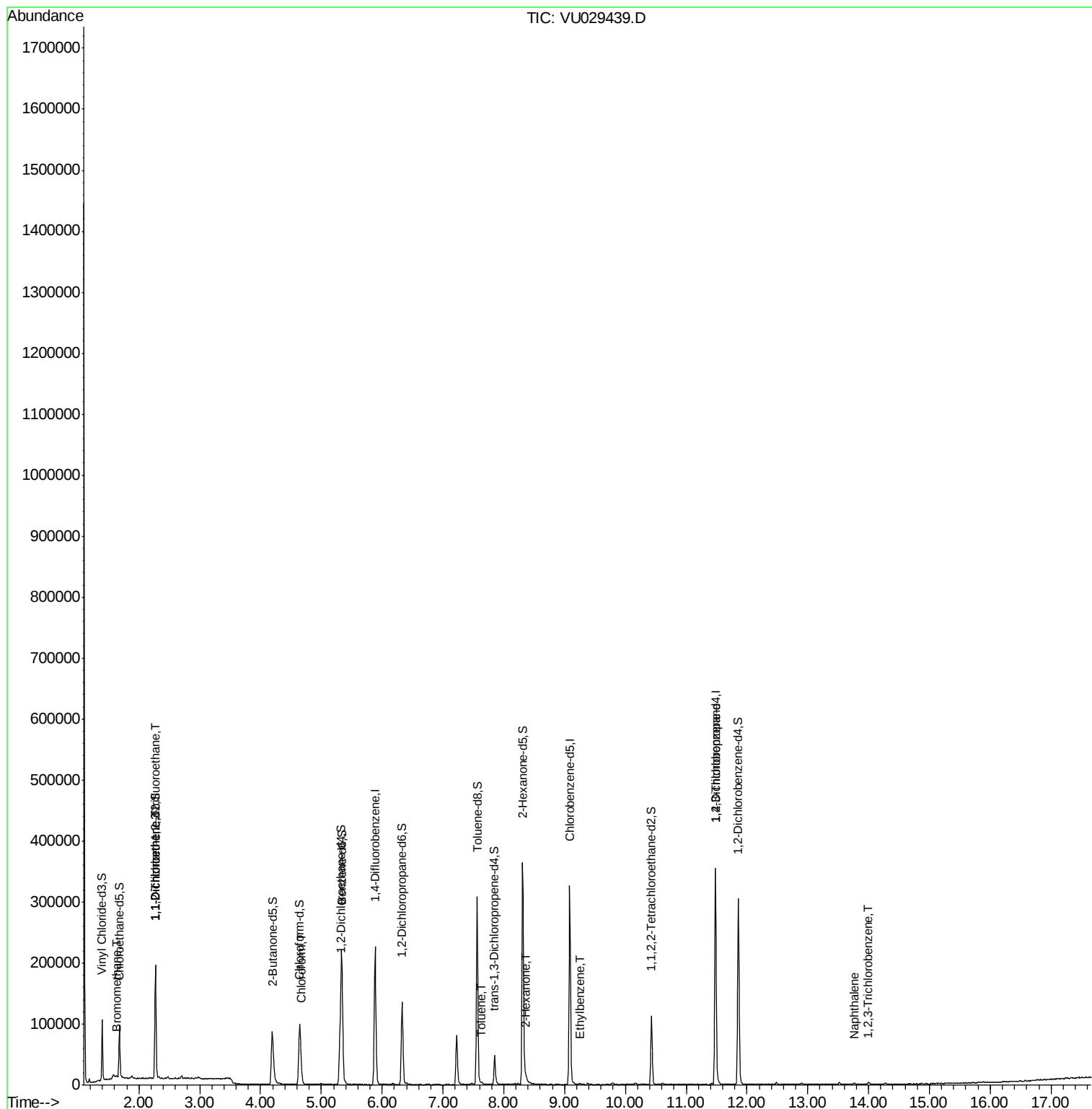
					Qvalue
6) Bromomethane	1.63	94	755	0.066 ug/L	78
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1488	0.084 ug/L #	35
12) 1,1-Dichloroethene	2.28	96	1535	0.091 ug/L #	1
25) Chloroform	4.67	83	13550	0.501 ug/L	91
42) Toluene	7.64	91	2174	0.034 ug/L	97
48) 2-Hexanone	8.37	43	3424	0.567 ug/L #	90
52) Ethylbenzene	9.25	91	2222	0.030 ug/L	87
59) 1,2,3-Trichloropropane	11.48	75	10299	1.117 ug/L	93
69) Naphthalene	13.76	128	3157	0.071 ug/L #	80
70) 1,2,3-Trichlorobenzene	13.99	180	2250	0.092 ug/L #	82

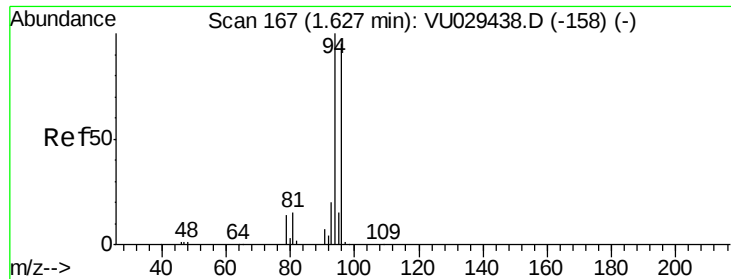
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Bromomethane

Concen: 0.066 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

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Acq: 13 Feb 2019 11:13

Instrument :

MSVOA_U

ClientSampleId :

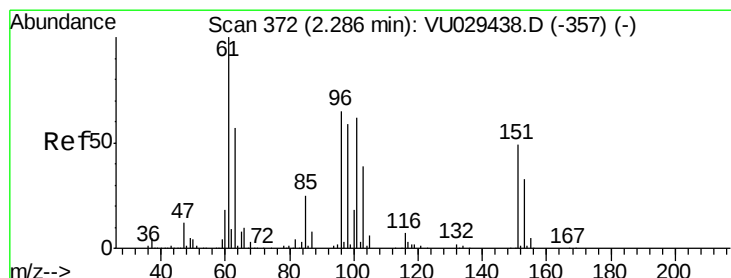
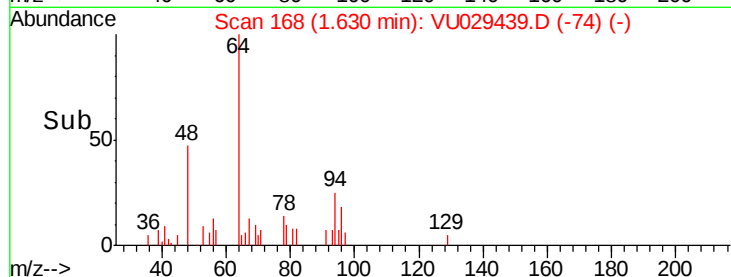
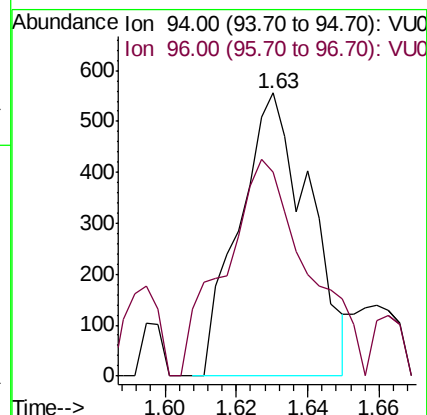
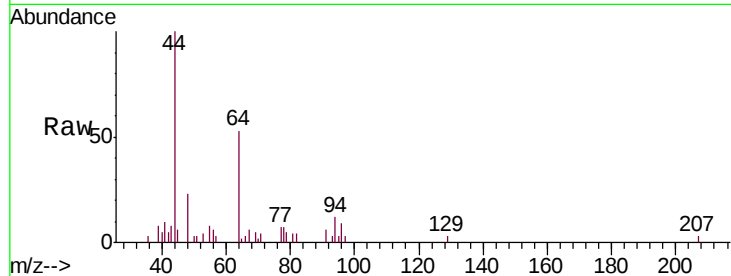
VBLK51

Tgt Ion: 94 Resp: 755

Ion Ratio Lower Upper

94 100

96 72.1 65.2 121.0



#10

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

Concen: 0.084 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029439.D

Acq: 13 Feb 2019 11:13

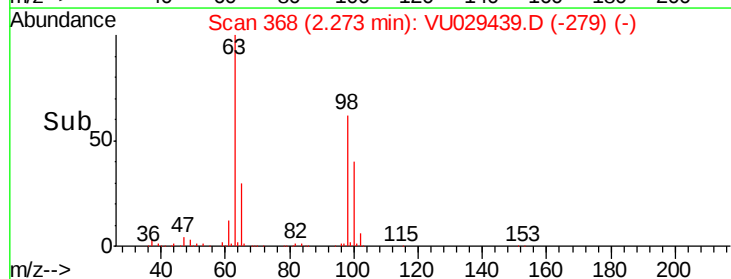
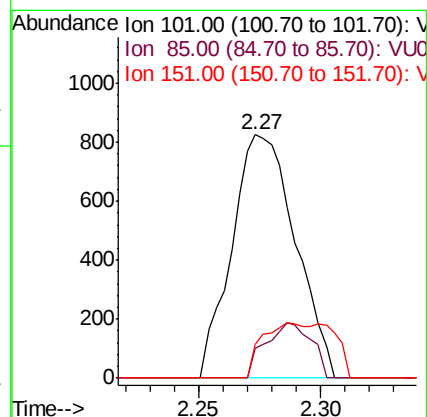
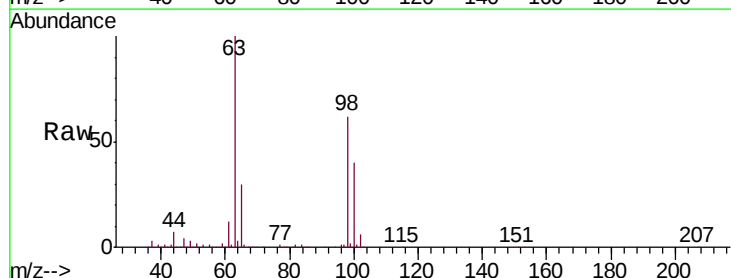
Tgt Ion: 101 Resp: 1488

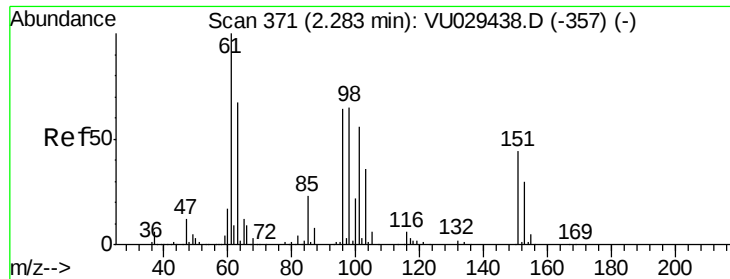
Ion Ratio Lower Upper

101 100

85 16.3 35.1 52.7#

151 14.7 67.0 100.6#





#12

1,1-Dichloroethene

Concen: 0.091 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029439.D

Acq: 13 Feb 2019 11:13

Instrument :

MSVOA_U

ClientSampleId :

VBLK51

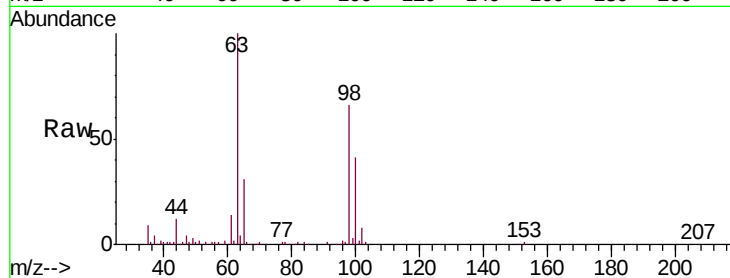
Tgt Ion: 96 Resp: 1535

Ion Ratio Lower Upper

96 100

61 627.7 115.1 213.7#

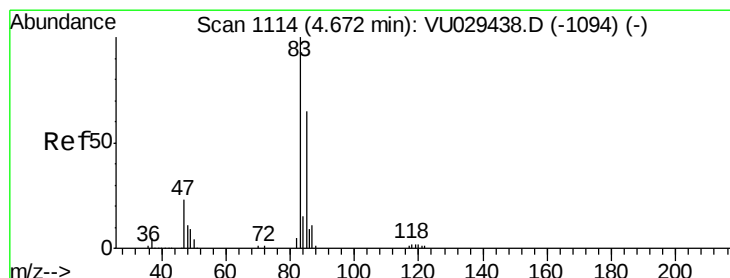
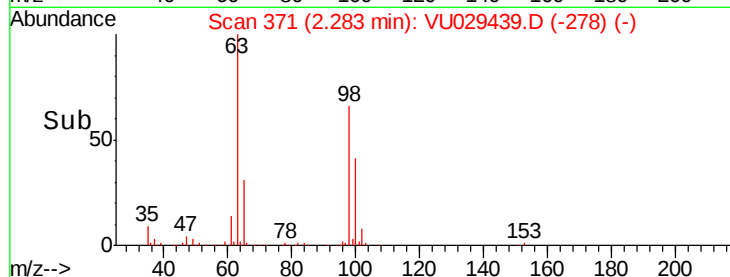
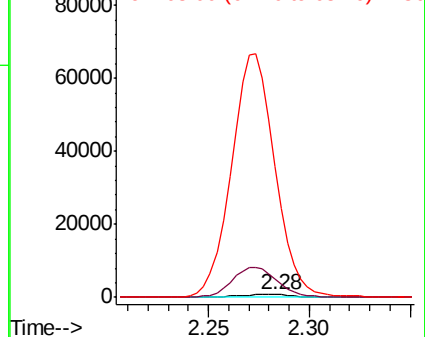
63 4544.1 83.5 155.1#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



#25

Chloroform

Concen: 0.501 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU029439.D

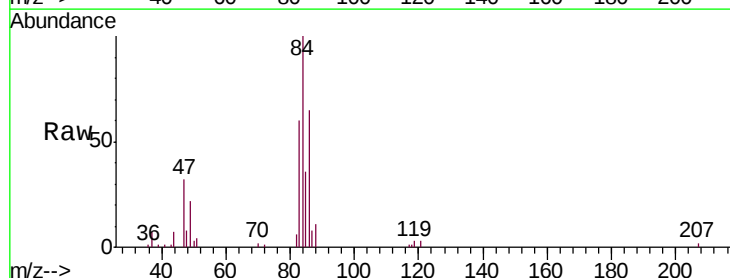
Acq: 13 Feb 2019 11:13

Tgt Ion: 83 Resp: 13550

Ion Ratio Lower Upper

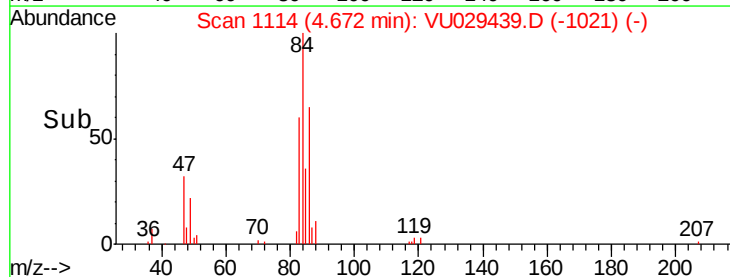
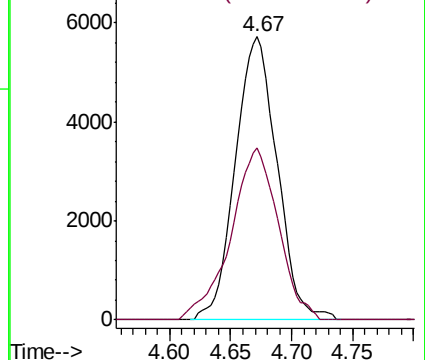
83 100

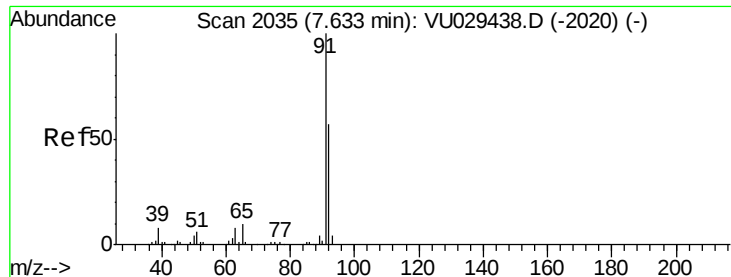
85 60.7 47.8 88.8



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0





#42

Toluene

Concen: 0.034 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU029439.D

Acq: 13 Feb 2019 11:13

Instrument :

MSVOA_U

ClientSampleId :

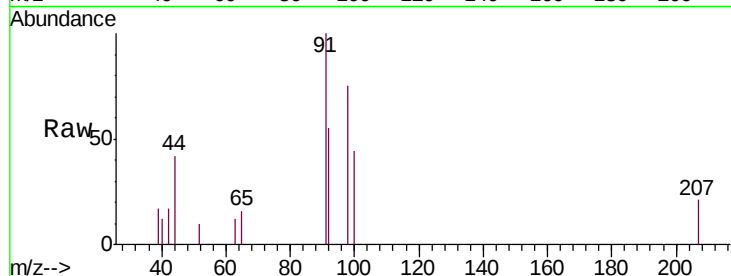
VBLK51

Tgt Ion: 91 Resp: 2174

Ion Ratio Lower Upper

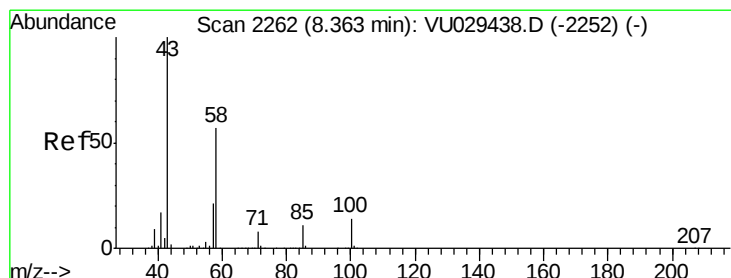
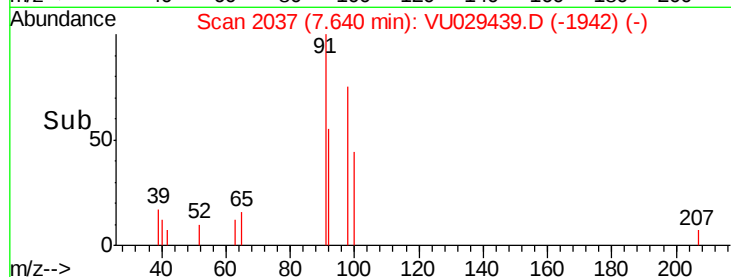
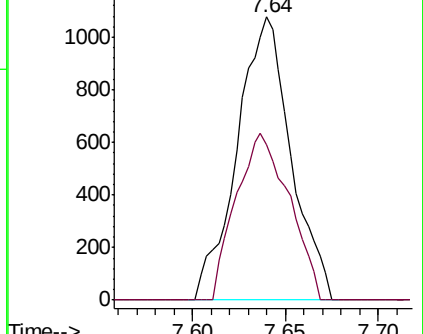
91 100

92 54.9 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#48

2-Hexanone

Concen: 0.567 ug/L

RT: 8.37 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VU029439.D

Acq: 13 Feb 2019 11:13

Tgt Ion: 43 Resp: 3424

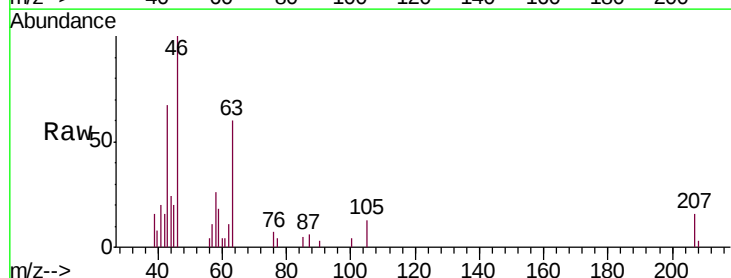
Ion Ratio Lower Upper

43 100

58 49.7 45.7 68.5

57 18.4 16.4 24.6

100 7.2 11.1 16.7#

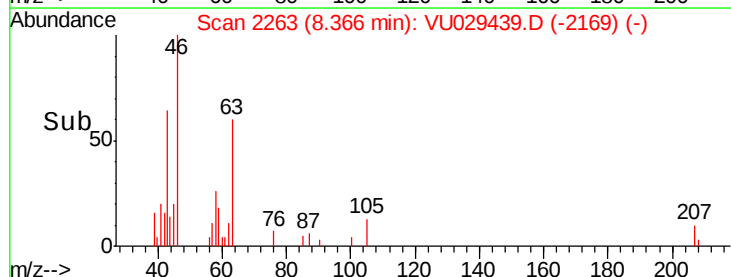
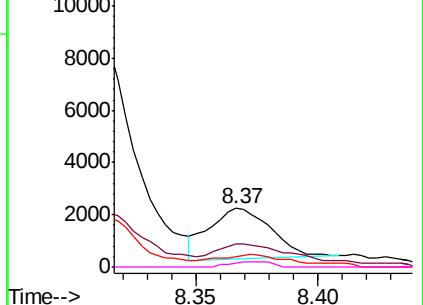


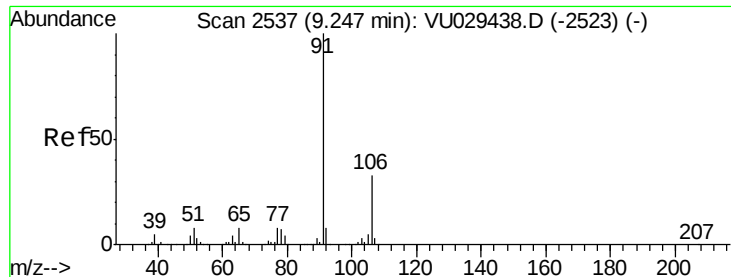
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#52

Ethylbenzene

Concen: 0.030 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU029439.D

Acq: 13 Feb 2019 11:13

Instrument :

MSVOA_U

ClientSampleId :

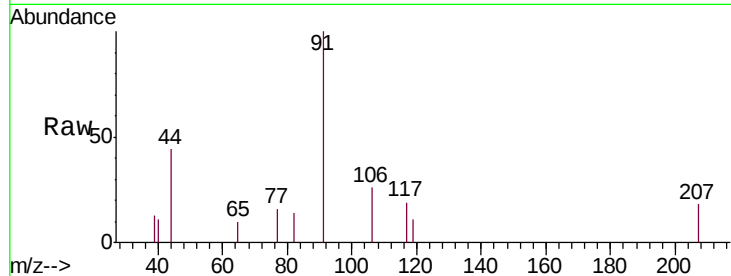
VBLK51

Tgt Ion: 91 Resp: 2222

Ion Ratio Lower Upper

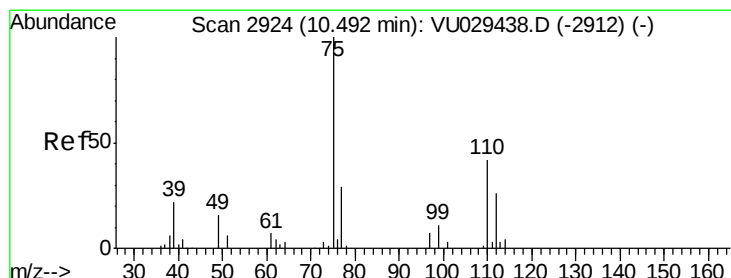
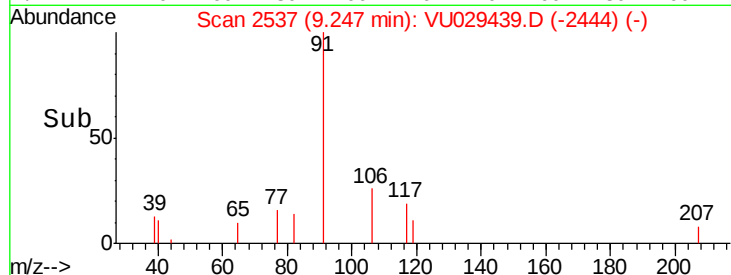
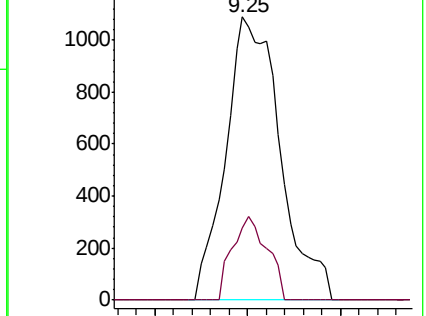
91 100

106 25.6 22.8 42.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V



#59

1,2,3-Trichloropropane

Concen: 1.117 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029439.D

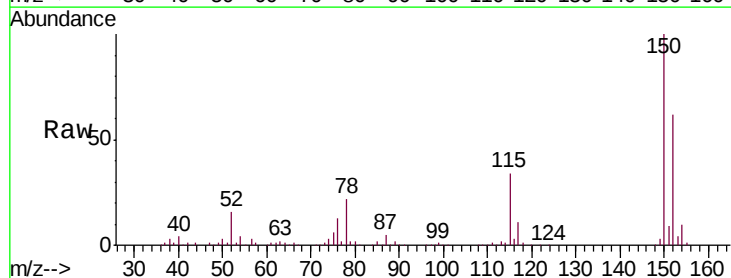
Acq: 13 Feb 2019 11:13

Tgt Ion: 75 Resp: 10299

Ion Ratio Lower Upper

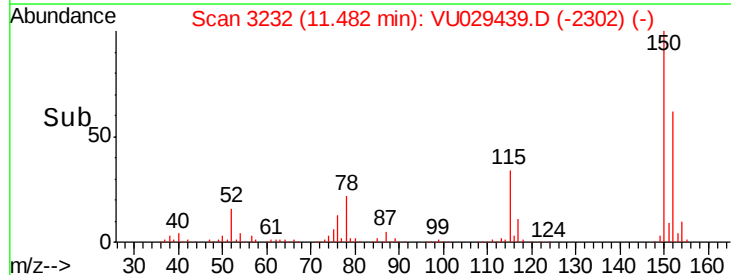
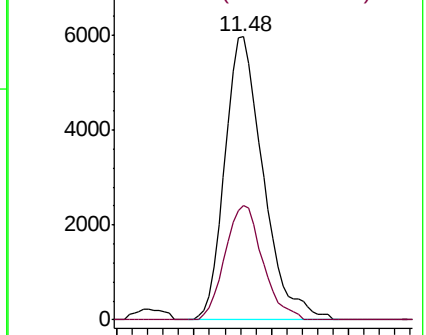
75 100

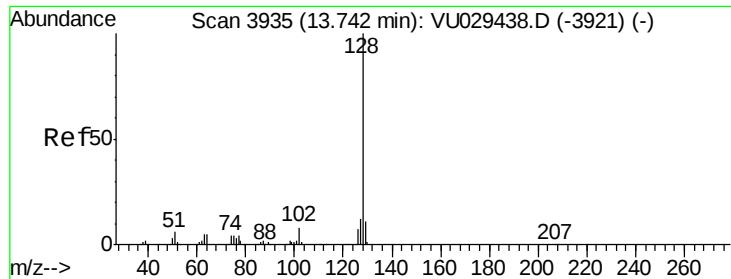
77 39.5 28.2 42.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#69

Naphthalene

Concen: 0.071 ug/L

RT: 13.76 min Scan# 3941

Delta R.T. 0.02 min

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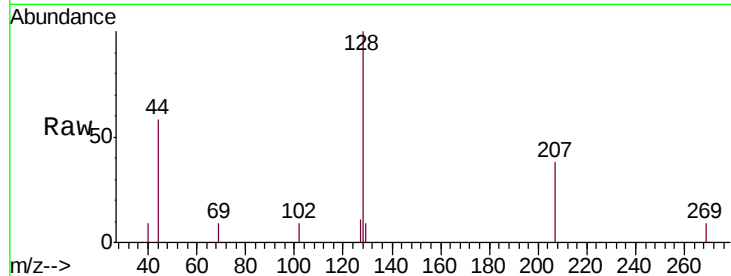
Tgt Ion:128 Resp: 3157

Ion Ratio Lower Upper

128 100

129 5.4 8.7 13.1#

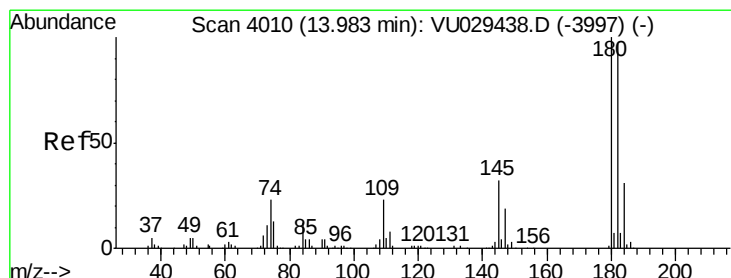
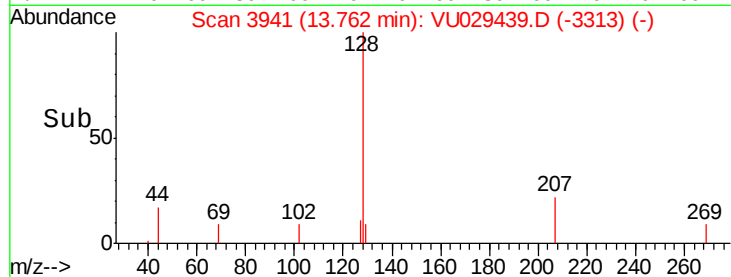
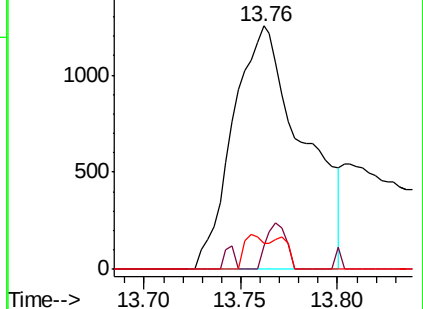
127 2.8 10.3 15.5#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.092 ug/L

RT: 13.99 min Scan# 4013

Delta R.T. 0.01 min

Lab File: VU029439.D

Acq: 13 Feb 2019 11:13

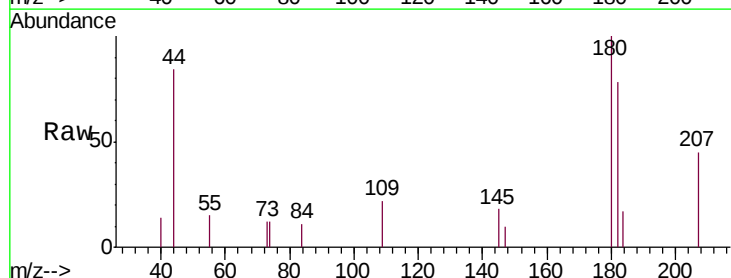
Tgt Ion:180 Resp: 2250

Ion Ratio Lower Upper

180 100

182 80.1 75.9 113.9

145 15.0 23.8 35.6#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

