

Data File : VU029493.D
Acq On : 15 Feb 2019 13:14
Operator : JC/SP
Sample : VU0215MBL01
Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK41

Quant Time: Feb 15 23:36:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 15 23:28:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	416194	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	401035	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	197811	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	154924	50.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.60%
7) Chloroethane-d5	1.68	69	139942	51.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.24%
11) 1,1-Dichloroethene-d2	2.27	63	248166	41.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.26%
21) 2-Butanone-d5	4.17	46	199669	107.59	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.59%
24) Chloroform-d	4.65	84	245681	49.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.34%
26) 1,2-Dichloroethane-d4	5.31	65	163204	52.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.22%
32) Benzene-d6	5.34	84	541185	53.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.26%
36) 1,2-Dichloropropane-d6	6.33	67	163823	53.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.92%
41) Toluene-d8	7.56	98	531707	51.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.26%
43) trans-1,3-Dichloropropene-	7.85	79	80625	50.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.14%
47) 2-Hexanone-d5	8.31	63	181223	107.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.19%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	251527	49.03	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.06%
64) 1,2-Dichlorobenzene-d4	11.86	152	225564	52.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.82%

Target Compounds

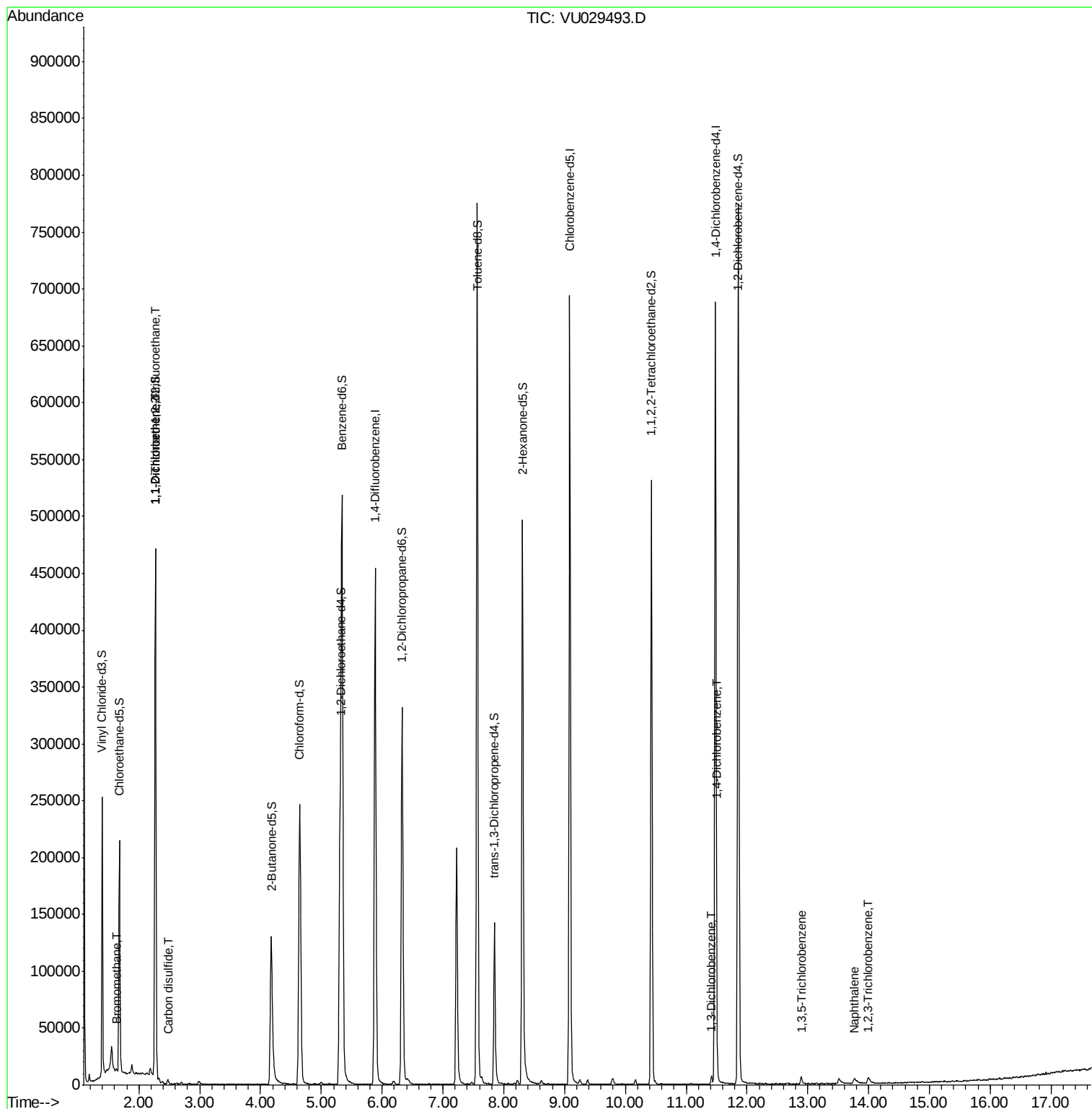
					Qvalue
6) Bromomethane	1.63	94	1132	0.730 ug/L	75
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3170	1.093 ug/L #	39
12) 1,1-Dichloroethene	2.27	96	2812	1.020 ug/L #	1
14) Carbon disulfide	2.48	76	5050	0.700 ug/L	97
62) 1,3-Dichlorobenzene	11.42	146	3898	0.618 ug/L	87
63) 1,4-Dichlorobenzene	11.51	146	4377	0.690 ug/L	94
67) 1,3,5-Trichlorobenzene	12.90	180	3003	0.624 ug/L	91
69) Naphthalene	13.76	128	4072	0.318 ug/L #	85
70) 1,2,3-Trichlorobenzene	14.00	180	2431	0.550 ug/L #	88

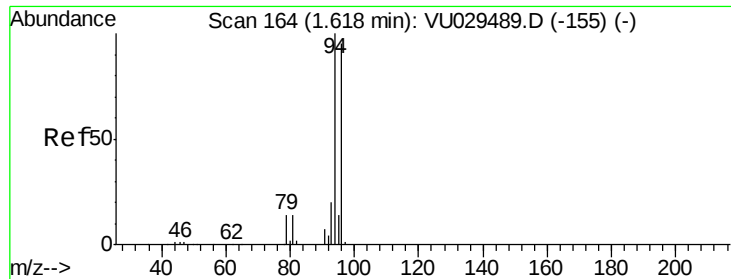
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Bromomethane

Concen: 0.730 ug/L

RT: 1.63 min Scan# 167

Delta R.T. 0.01 min

Lab File: VU029493.D

Acq: 15 Feb 2019 13:14

Instrument :

MSVOA_U

ClientSampleId :

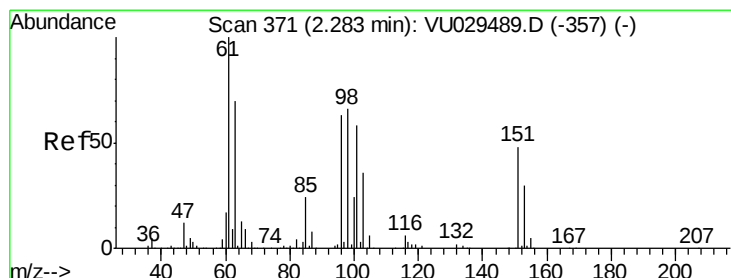
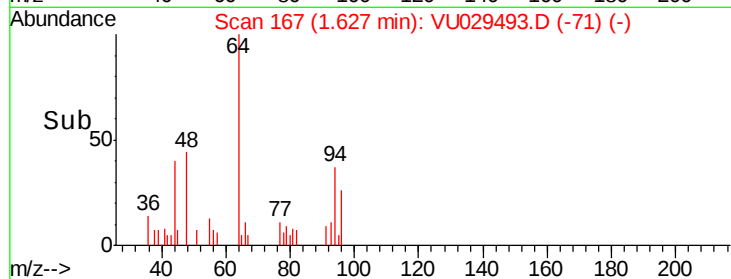
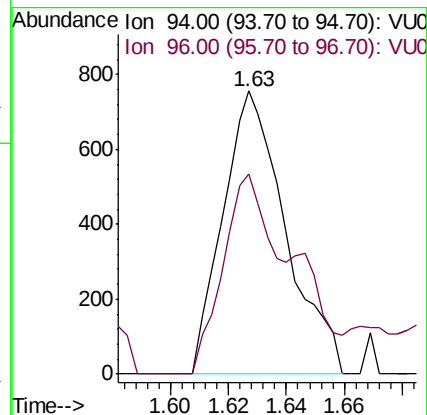
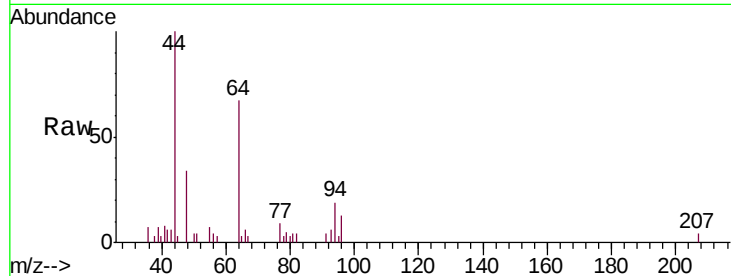
VBLK41

Tgt Ion: 94 Resp: 1132

Ion Ratio Lower Upper

94 100

96 70.8 66.4 123.2



#10

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

Concen: 1.093 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU029493.D

Acq: 15 Feb 2019 13:14

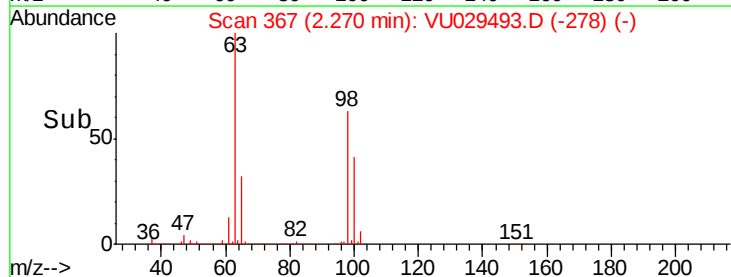
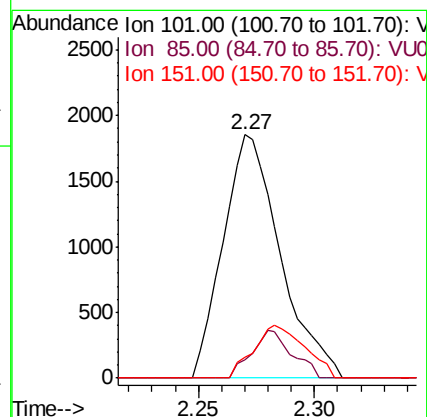
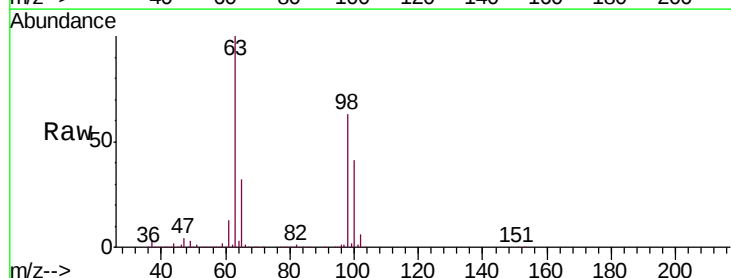
Tgt Ion: 101 Resp: 3170

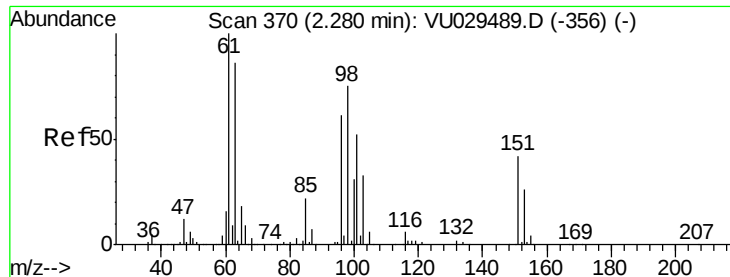
Ion Ratio Lower Upper

101 100

85 13.8 33.0 49.6#

151 19.4 65.7 98.5#





#12

1,1-Dichloroethene

Concen: 1.020 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU029493.D

Acq: 15 Feb 2019 13:14

Instrument :

MSVOA_U

ClientSampled :

VBLK41

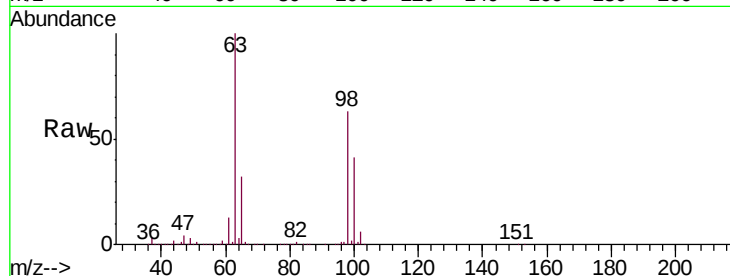
Tgt Ion: 96 Resp: 2812

Ion Ratio Lower Upper

96 100

61 1224.1 114.0 211.8#

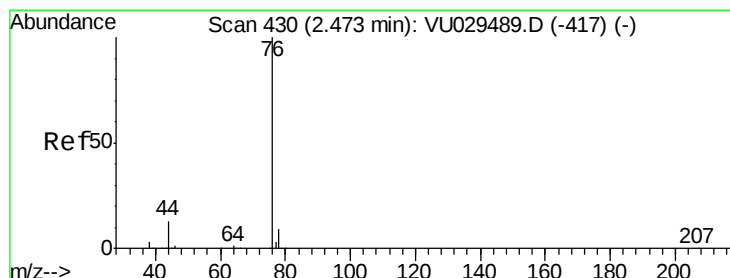
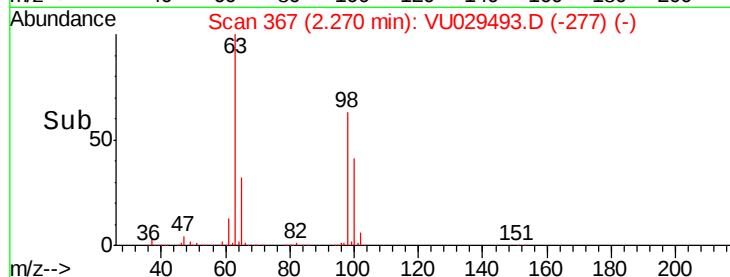
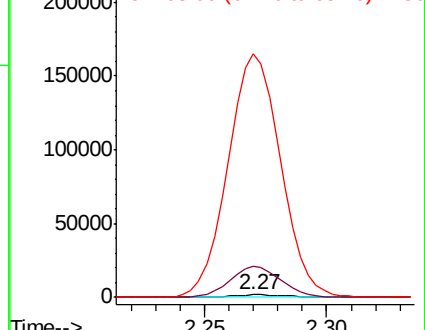
63 9766.6 98.7 183.3#



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



#14

Carbon disulfide

Concen: 0.700 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU029493.D

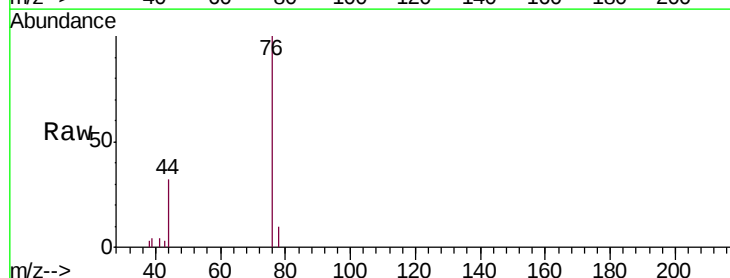
Acq: 15 Feb 2019 13:14

Tgt Ion: 76 Resp: 5050

Ion Ratio Lower Upper

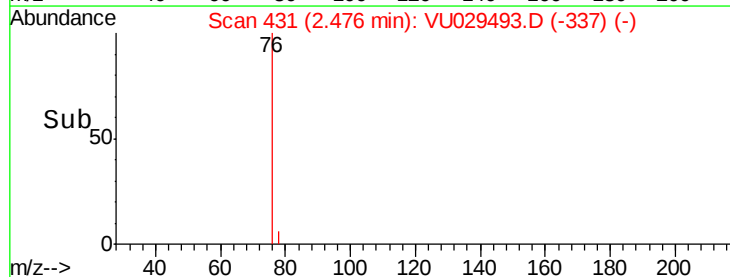
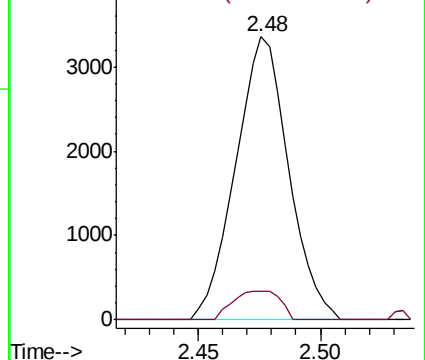
76 100

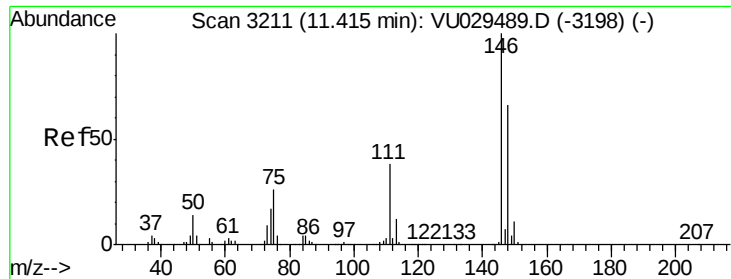
78 10.3 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#62

1,3-Dichlorobenzene

Concen: 0.618 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU029493.D

Acq: 15 Feb 2019 13:14

Instrument :

MSVOA_U

ClientSampleId :

VBLK41

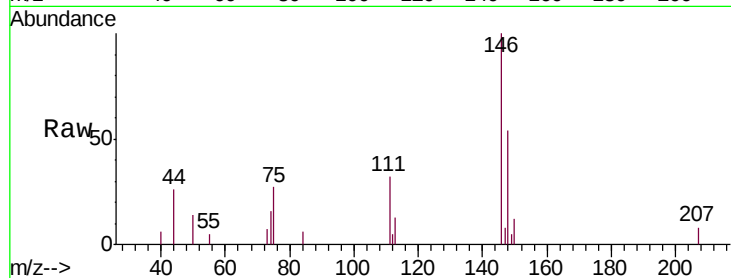
Tgt Ion:146 Resp: 3898

Ion Ratio Lower Upper

146 100

111 31.8 26.7 49.5

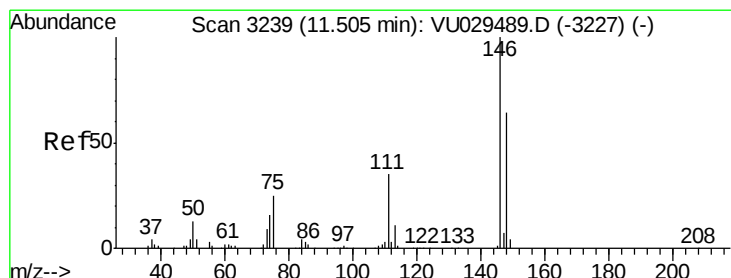
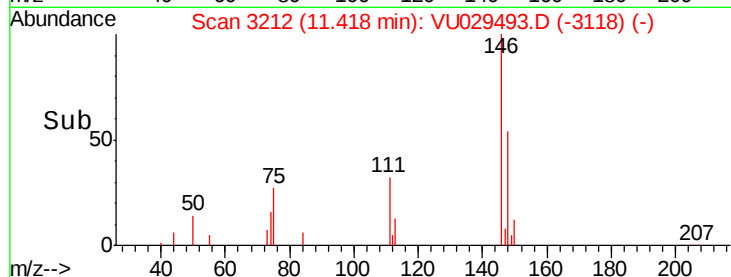
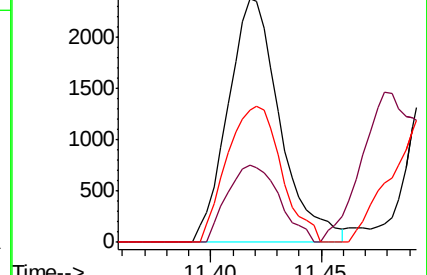
148 54.3 45.9 85.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.690 ug/L

RT: 11.51 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU029493.D

Acq: 15 Feb 2019 13:14

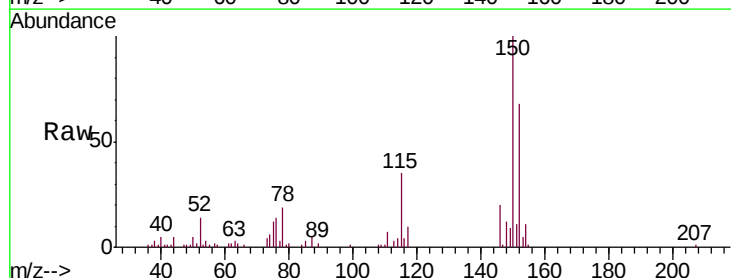
Tgt Ion:146 Resp: 4377

Ion Ratio Lower Upper

146 100

111 33.3 25.1 46.5

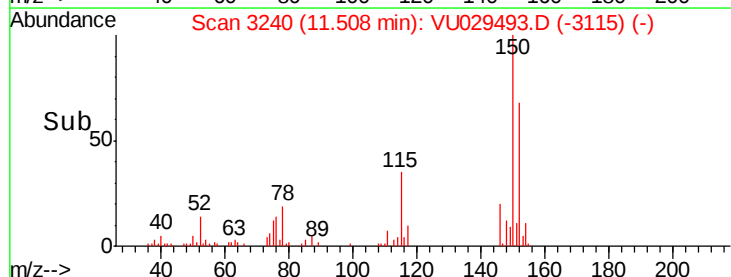
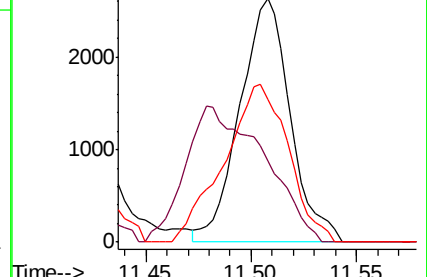
148 58.6 45.0 83.6

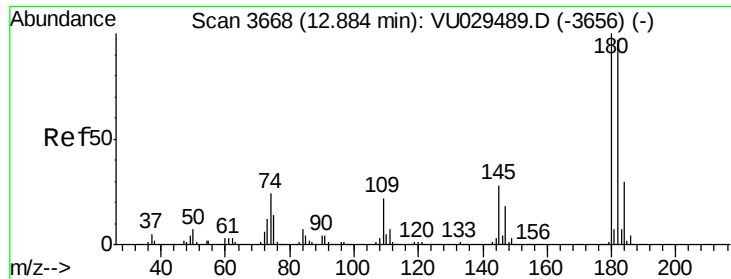


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

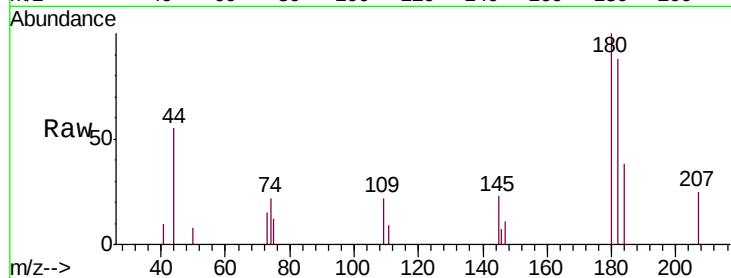




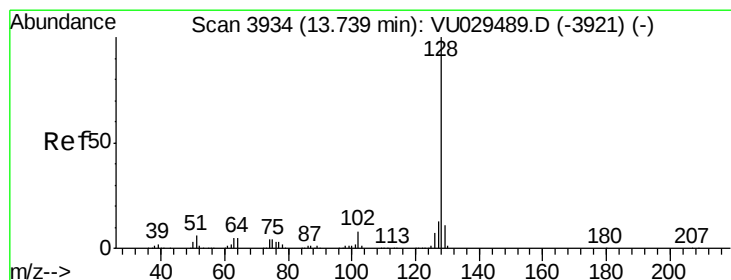
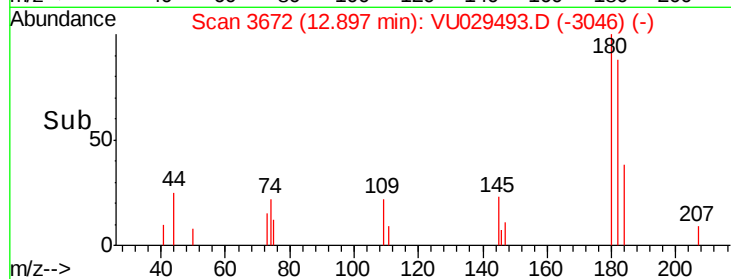
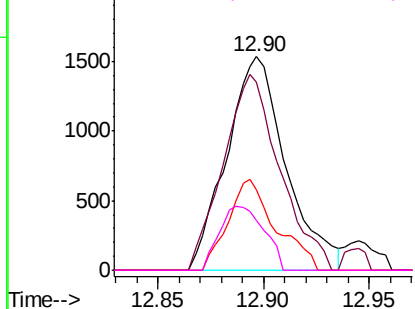
#67
 1,3,5-Trichlorobenzene
 Concen: 0.624 ug/L
 RT: 12.90 min Scan# 3672
 Delta R.T. 0.01 min
 Lab File: VU029493.D
 Acq: 15 Feb 2019 13:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK41

Tgt Ion:180 Resp: 3003
 Ion Ratio Lower Upper
 180 100
 182 87.1 77.9 116.9
 184 29.4 24.5 36.7
 145 22.4 22.4 33.6

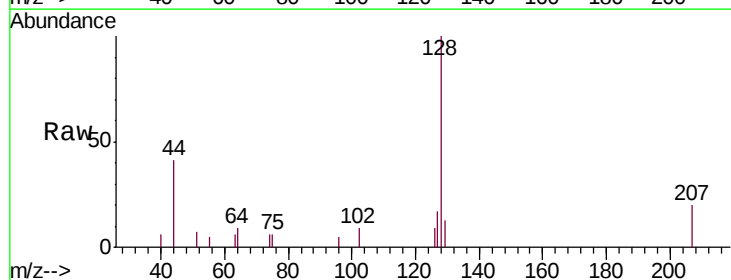


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

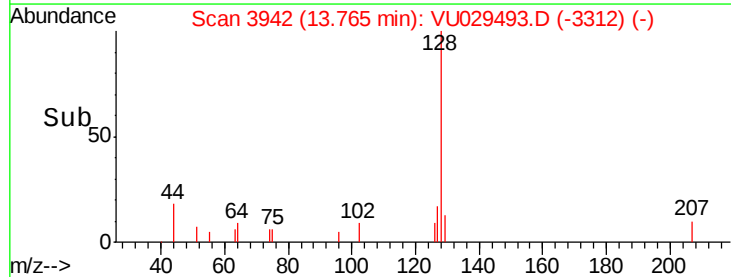
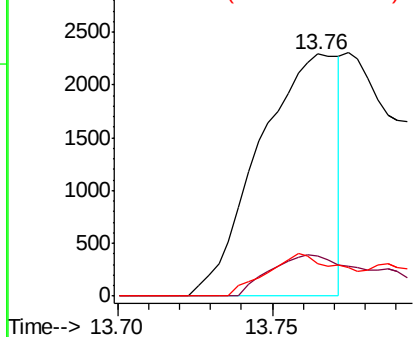


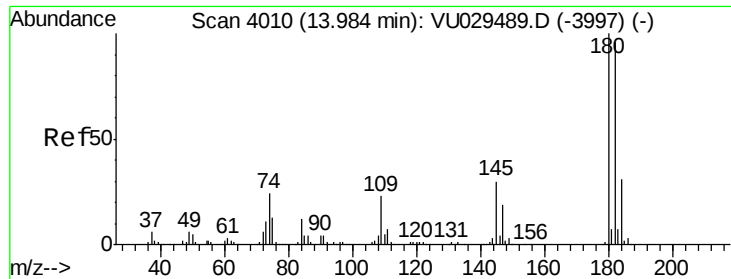
#69
 Naphthalene
 Concen: 0.318 ug/L
 RT: 13.76 min Scan# 3942
 Delta R.T. 0.03 min
 Lab File: VU029493.D
 Acq: 15 Feb 2019 13:14

Tgt Ion:128 Resp: 4072
 Ion Ratio Lower Upper
 128 100
 127 18.9 10.2 15.4#
 129 16.2 8.5 12.7#



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: 0.550 ug/L
 RT: 14.00 min Scan# 4014
 Delta R.T. 0.01 min
 Lab File: VU029493.D
 Acq: 15 Feb 2019 13:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK41

Tgt Ion:180 Resp: 2431
 Ion Ratio Lower Upper
 180 100
 182 104.8 76.8 115.2
 145 18.4 24.4 36.6#

