

Data File : VU029980.D
Acq On : 11 Mar 2019 21:05
Operator : JC/SP
Sample : VU0313WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK56

Quant Time: Mar 12 07:09:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 12 07:07:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	545859	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	525672	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	252603	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	159394	44.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.30%
7) Chloroethane-d5	1.68	69	132308	45.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.78%
11) 1,1-Dichloroethene-d2	2.27	63	229121	35.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.32%
21) 2-Butanone-d5	4.17	46	274440	101.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.45%
24) Chloroform-d	4.65	84	305554	47.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.36%
26) 1,2-Dichloroethane-d4	5.31	65	186401	49.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.64%
32) Benzene-d6	5.34	84	676421	49.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.98%
36) 1,2-Dichloropropane-d6	6.33	67	208776	50.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.82%
41) Toluene-d8	7.56	98	638621	50.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	7.85	79	97632	48.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.34%
47) 2-Hexanone-d5	8.31	63	238237	102.81	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.81%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	308897	48.54	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.08%
64) 1,2-Dichlorobenzene-d4	11.86	152	256023	52.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.64%

Target Compounds

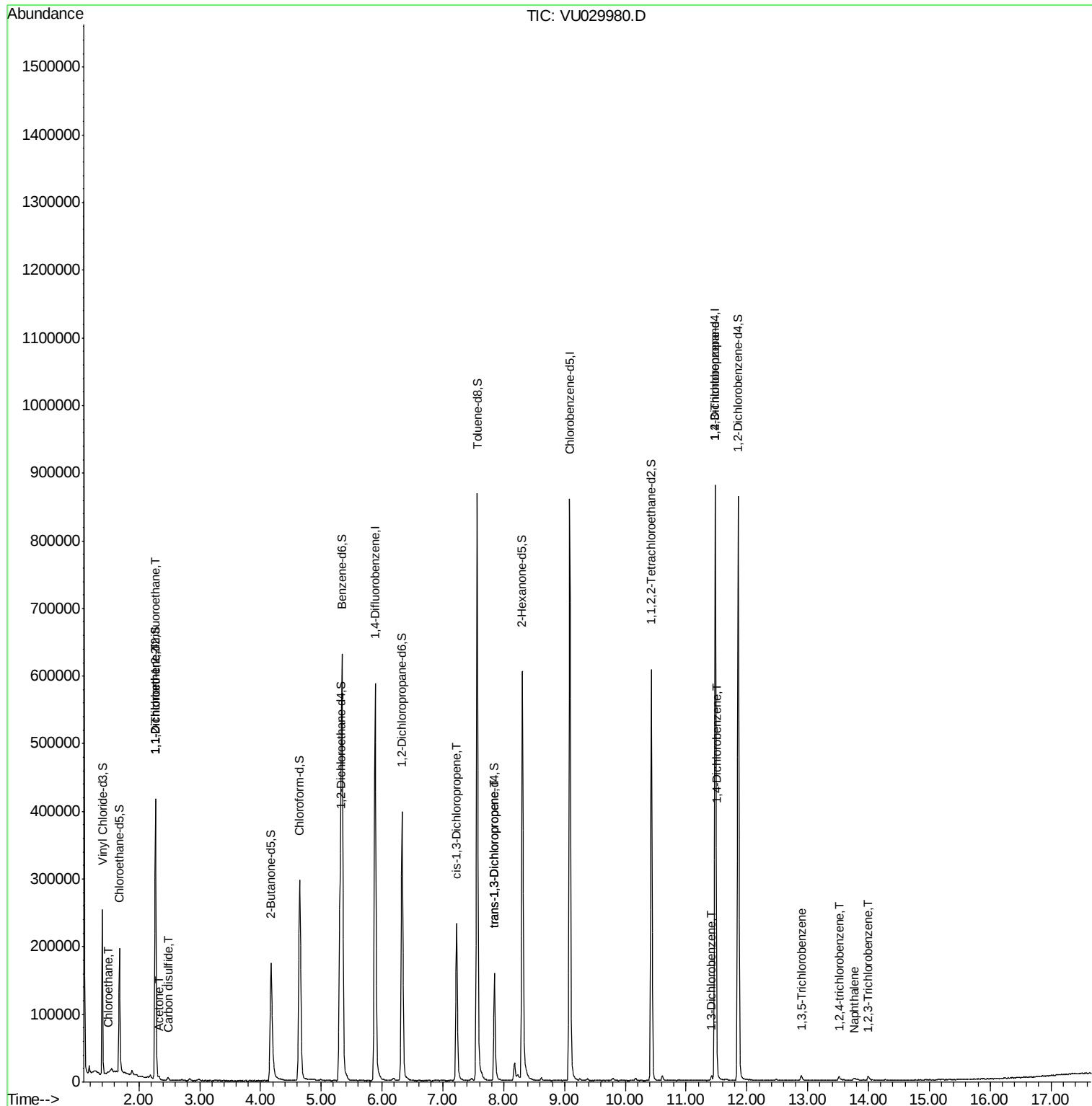
					Qvalue	
8) Chloroethane	1.49	64	2864	1.048	ug/L #	57
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3069	0.856	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	2449	0.716	ug/L #	1
13) Acetone	2.32	43	1596	0.505	ug/L	76
14) Carbon disulfide	2.48	76	6056	0.571	ug/L	99
39) cis-1,3-Dichloropropene	7.23	75	4975	0.808	ug/L #	69
44) trans-1,3-Dichloropropene	7.85	75	3791	0.674	ug/L #	80
59) 1,2,3-Trichloropropane	11.48	75	27027	5.245	ug/L	95
62) 1,3-Dichlorobenzene	11.42	146	3878	0.475	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	4950	0.597	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	3823	0.604	ug/L #	93
68) 1,2,4-trichlorobenzene	13.51	180	3398	0.587	ug/L #	80
69) Naphthalene	13.76	128	6842	0.364	ug/L #	82
70) 1,2,3-Trichlorobenzene	13.99	180	3084	0.513	ug/L #	52

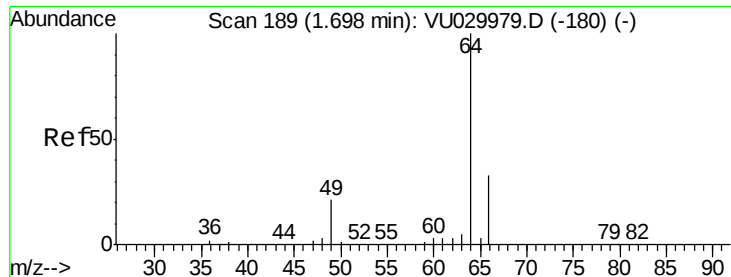
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 1.048 ug/L

RT: 1.49 min Scan# 125

Delta R.T. -0.21 min

Lab File: VU029980.D

Acq: 11 Mar 2019 21:05

Instrument :

MSVOA_U

ClientSampleId :

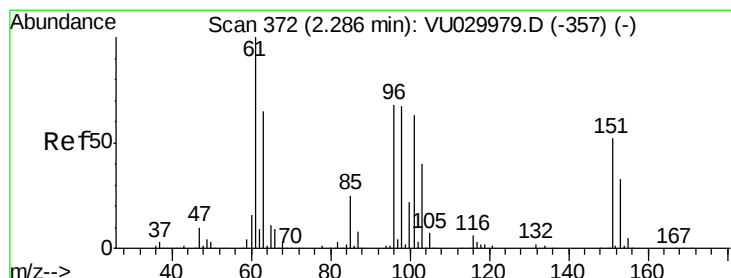
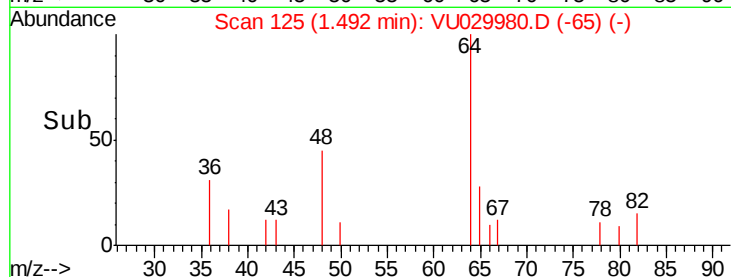
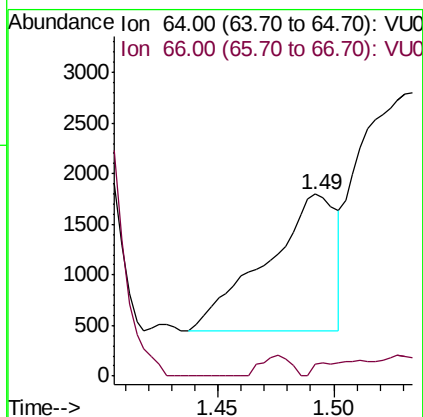
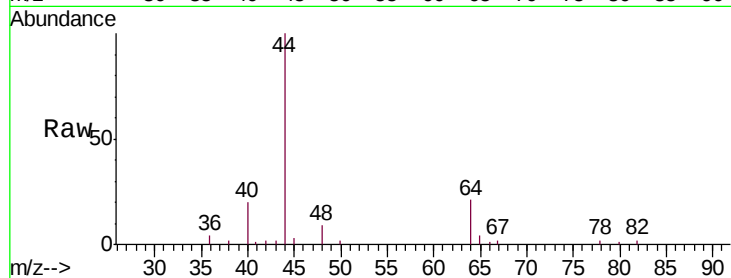
VBLK56

Tgt Ion: 64 Resp: 2864

Ion Ratio Lower Upper

64 100

66 6.8 21.3 39.6#



#10

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

Concen: 0.856 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU029980.D

Acq: 11 Mar 2019 21:05

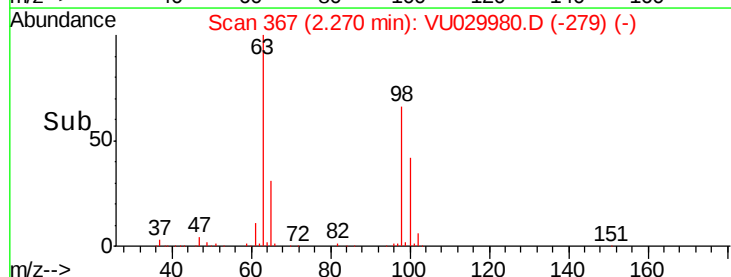
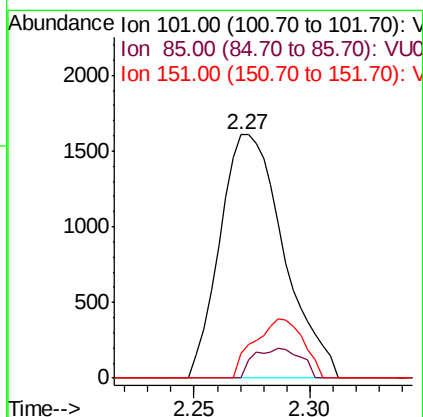
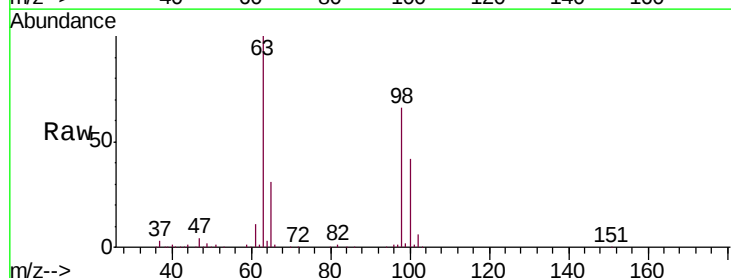
Tgt Ion: 101 Resp: 3069

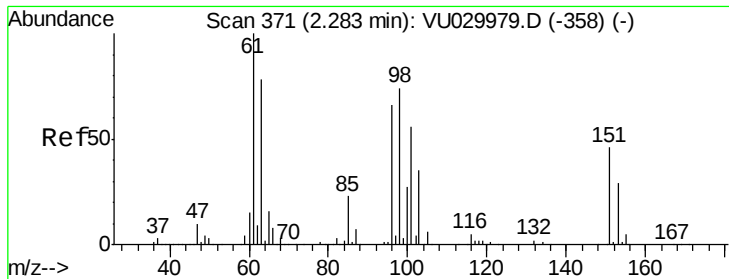
Ion Ratio Lower Upper

101 100

85 2.9 33.0 49.4#

151 0.0 66.1 99.1#

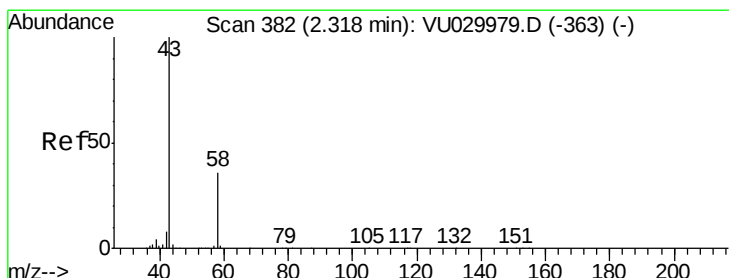
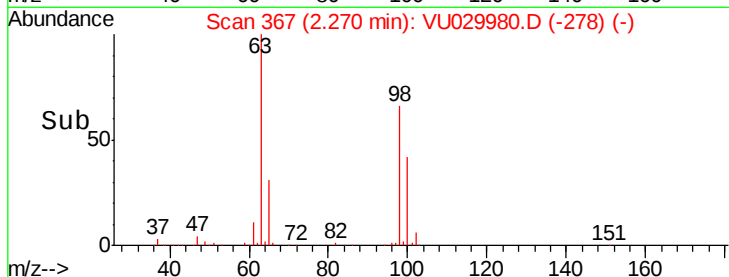
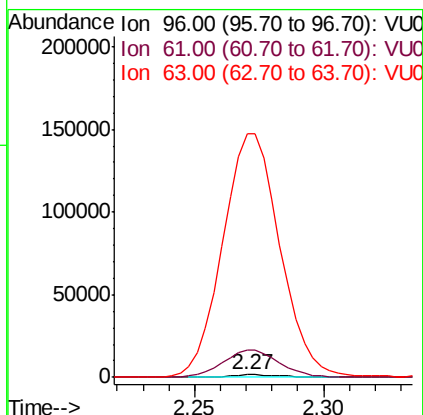
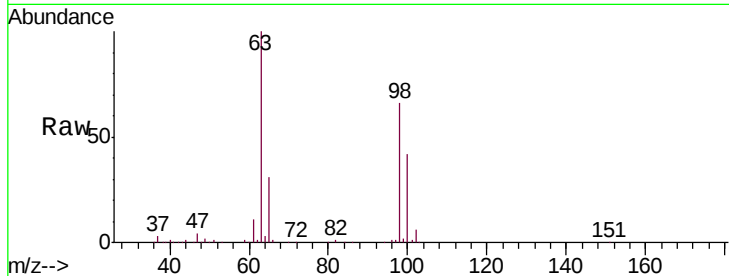




#12
 1,1-Dichloroethene
 Concen: 0.716 ug/L
 RT: 2.27 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VU029980.D
 Acq: 11 Mar 2019 21:05

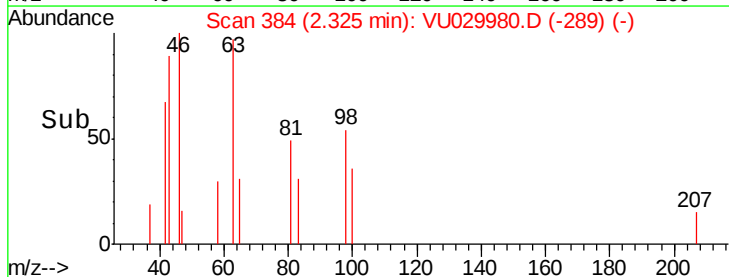
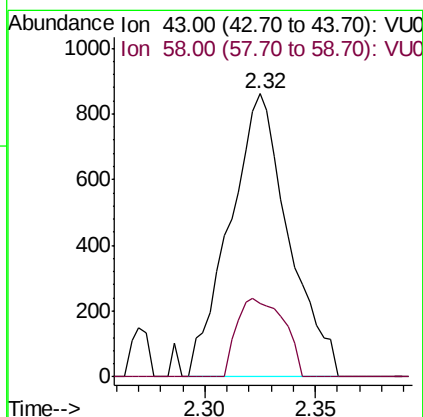
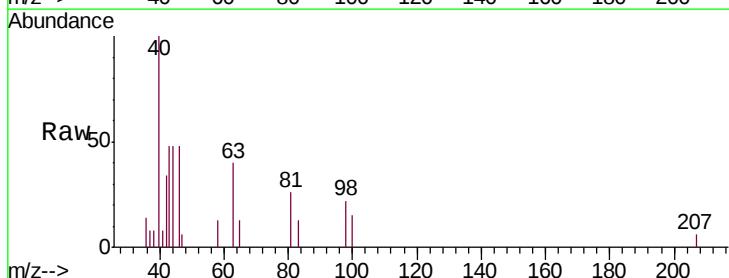
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK56

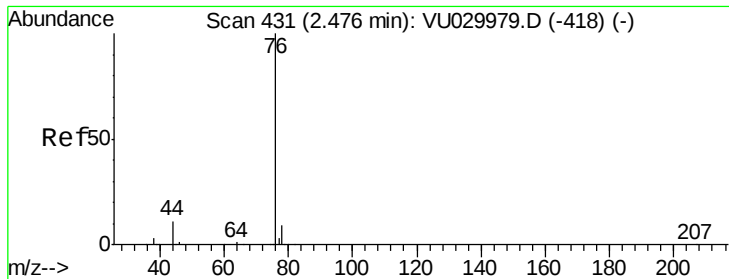
Tgt Ion: 96 Resp: 2449
 Ion Ratio Lower Upper
 96 100
 61 1079.5 110.4 205.0#
 63 9566.8 86.5 160.7#



#13
 Acetone
 Concen: 0.505 ug/L
 RT: 2.32 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VU029980.D
 Acq: 11 Mar 2019 21:05

Tgt Ion: 43 Resp: 1596
 Ion Ratio Lower Upper
 43 100
 58 22.3 0.0 73.0





#14

Carbon disulfide

Concen: 0.571 ug/L

RT: 2.48 min Scan# 432

Delta R.T. 0.00 min

Lab File: VU029980.D

Acq: 11 Mar 2019 21:05

Instrument :

MSVOA_U

ClientSampleId :

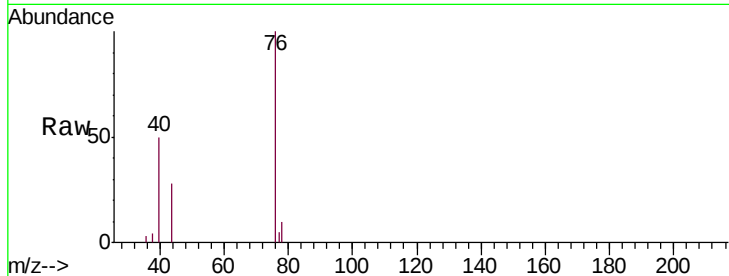
VBLK56

Tgt Ion: 76 Resp: 6056

Ion Ratio Lower Upper

76 100

78 9.6 7.3 10.9

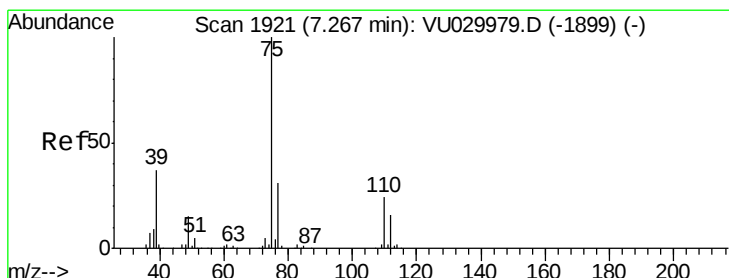
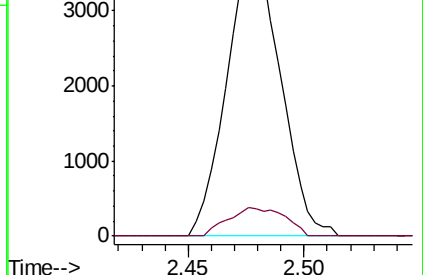
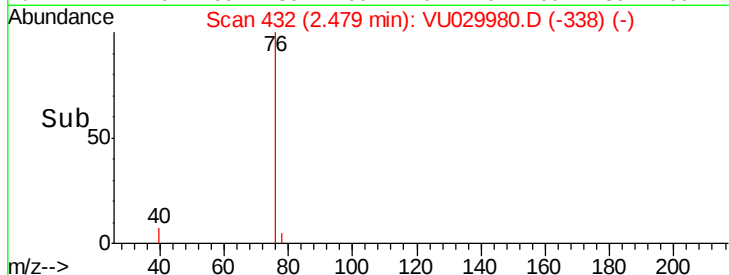


Abundance Ion 76.00 (75.70 to 76.70): VU029979.D (-418) (-)

Ion 78.00 (77.70 to 78.70): VU029979.D (-418) (-)

2.48

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.808 ug/L

RT: 7.23 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU029980.D

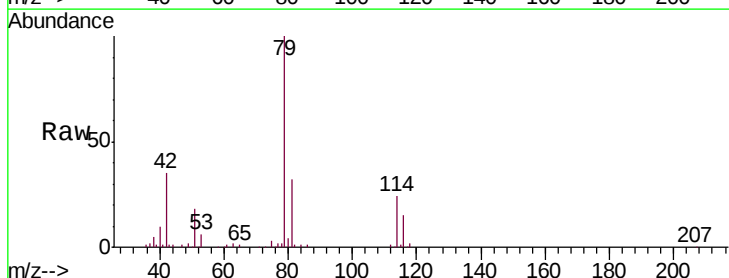
Acq: 11 Mar 2019 21:05

Tgt Ion: 75 Resp: 4975

Ion Ratio Lower Upper

75 100

77 48.9 22.2 41.2#

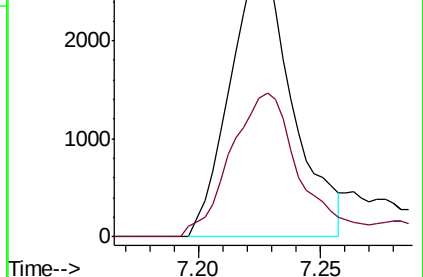
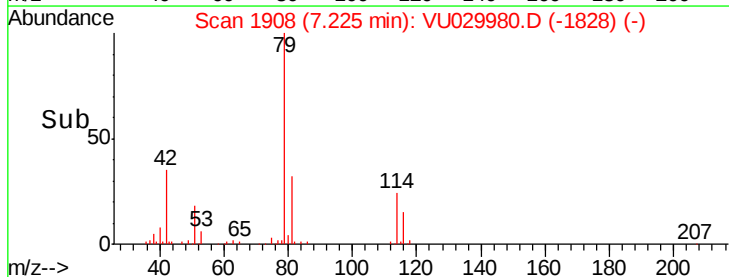


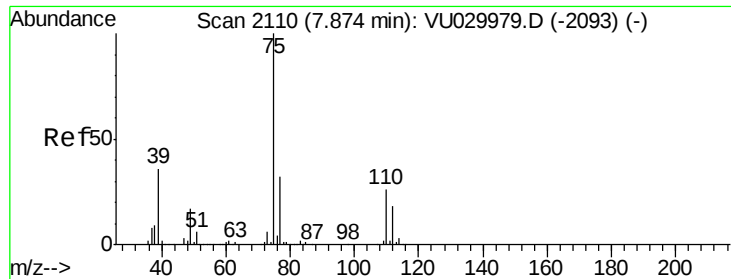
Abundance Ion 75.00 (74.70 to 75.70): VU029979.D (-1899) (-)

Ion 77.00 (76.70 to 77.70): VU029979.D (-1899) (-)

7.23

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.674 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU029980.D

Acq: 11 Mar 2019 21:05

Instrument :

MSVOA_U

ClientSampleId :

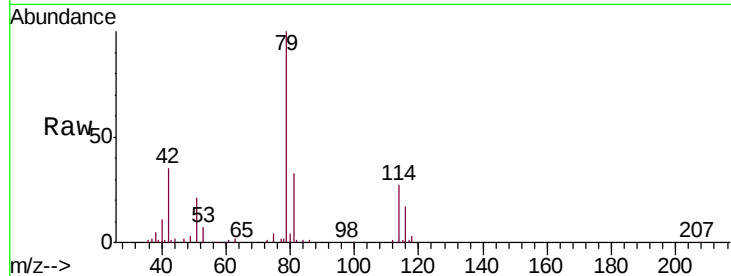
VBLK56

Tgt Ion: 75 Resp: 3791

Ion Ratio Lower Upper

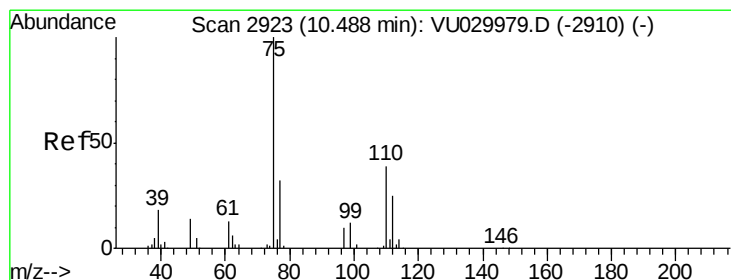
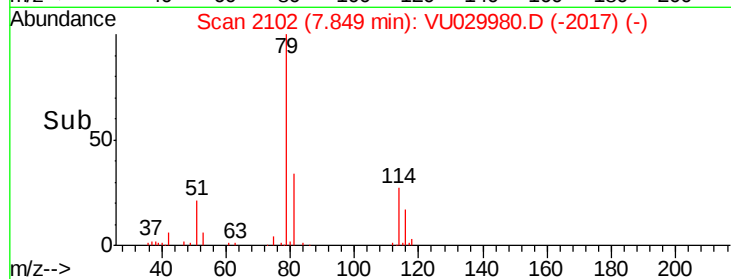
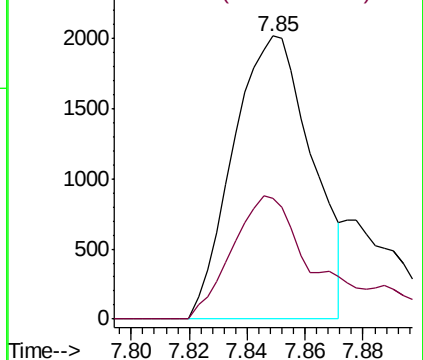
75 100

77 42.6 21.9 40.7#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#59

1,2,3-Trichloropropane

Concen: 5.245 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029980.D

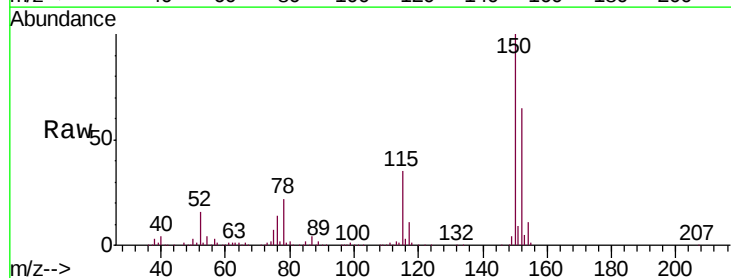
Acq: 11 Mar 2019 21:05

Tgt Ion: 75 Resp: 27027

Ion Ratio Lower Upper

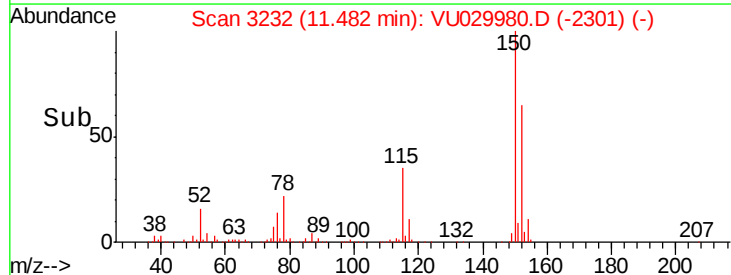
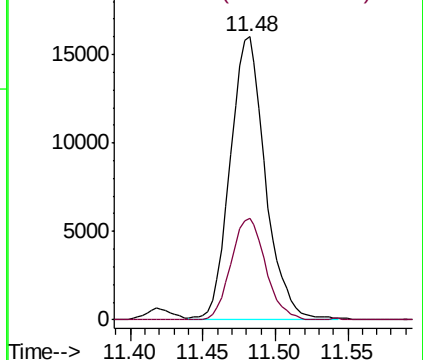
75 100

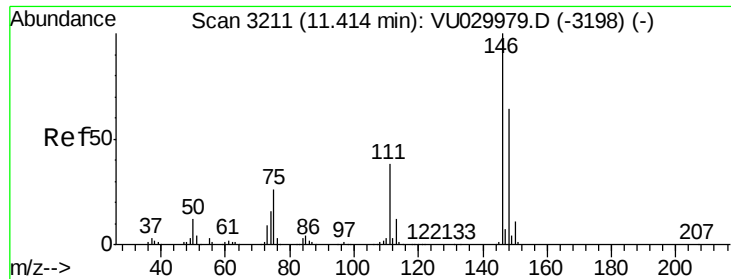
77 35.1 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 0.475 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU029980.D

Acq: 11 Mar 2019 21:05

Instrument :

MSVOA_U

ClientSampleId :

VBLK56

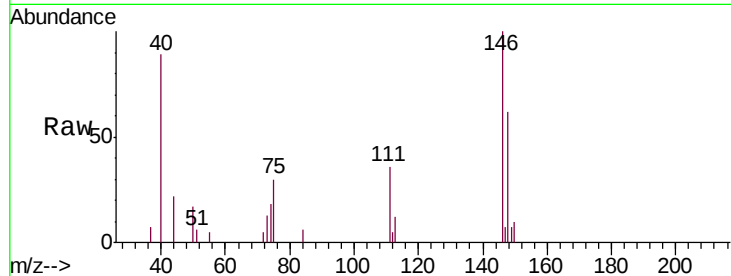
Tgt Ion:146 Resp: 3878

Ion Ratio Lower Upper

146 100

111 36.3 26.7 49.5

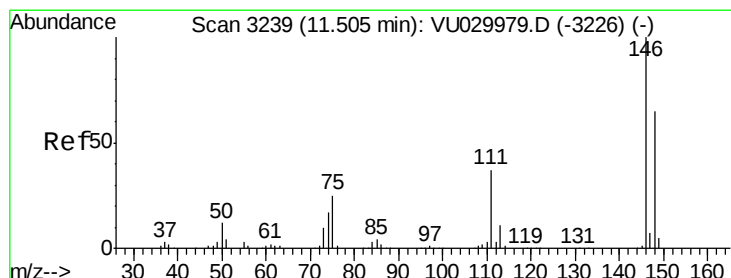
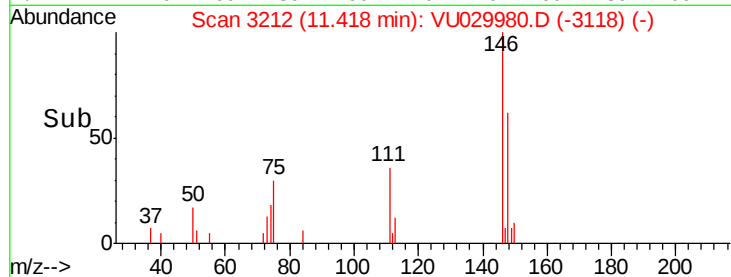
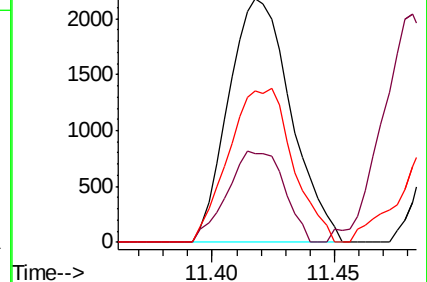
148 62.4 44.9 83.5



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: 0.597 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU029980.D

Acq: 11 Mar 2019 21:05

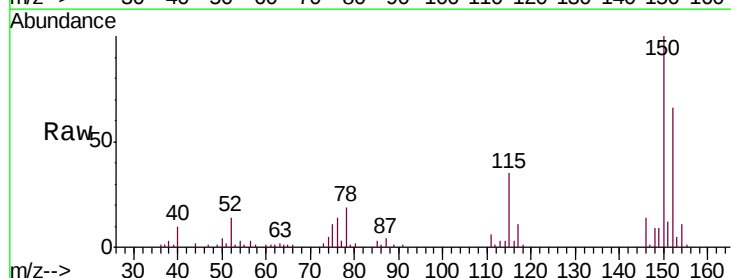
Tgt Ion:146 Resp: 4950

Ion Ratio Lower Upper

146 100

111 41.1 25.5 47.3

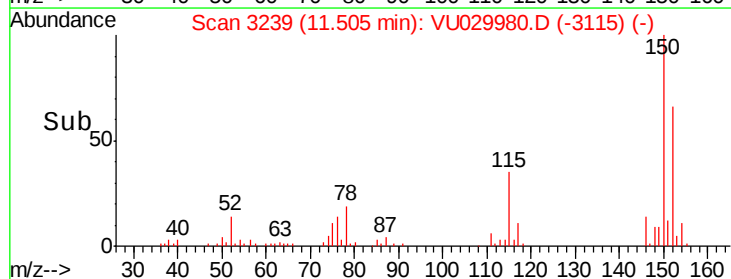
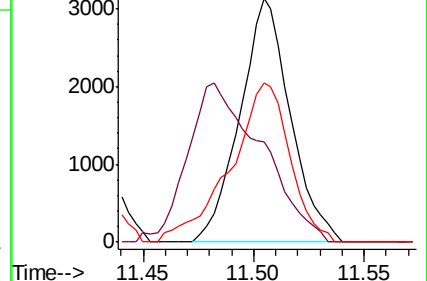
148 65.5 45.0 83.6

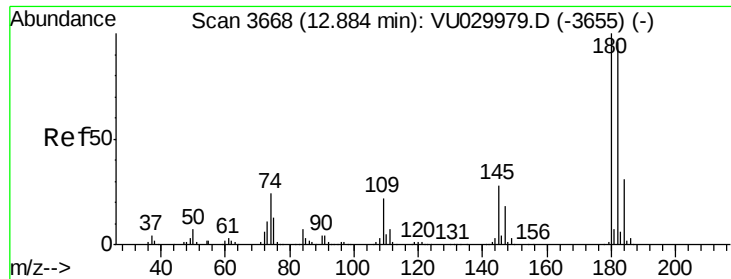


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

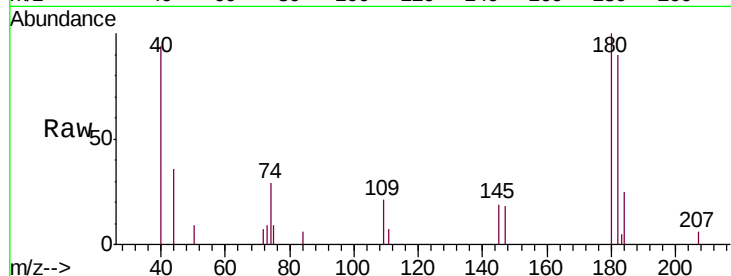




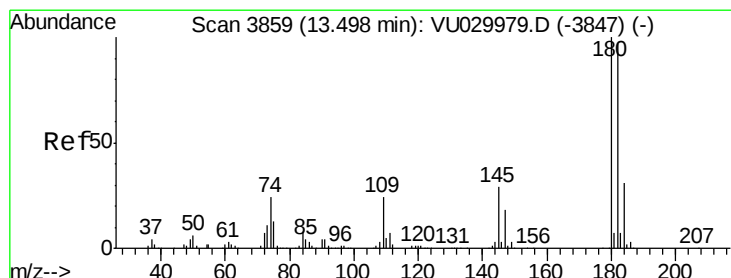
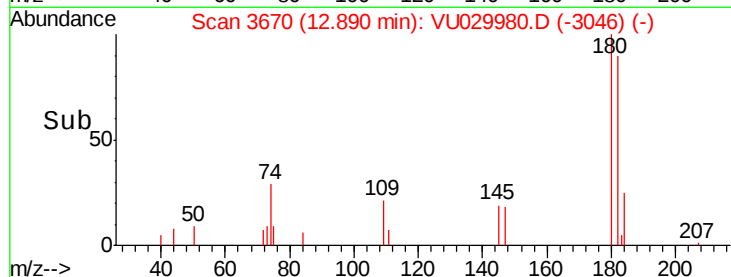
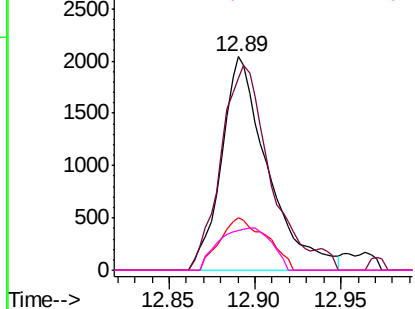
#67
 1,3,5-Trichlorobenzene
 Concen: 0.604 ug/L
 RT: 12.89 min Scan# 3670
 Delta R.T. 0.01 min
 Lab File: VU029980.D
 Acq: 11 Mar 2019 21:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK56

Tgt Ion:180 Resp: 3823
 Ion Ratio Lower Upper
 180 100
 182 99.4 76.3 114.5
 184 24.7 24.7 37.1
 145 22.3 22.3 33.5#

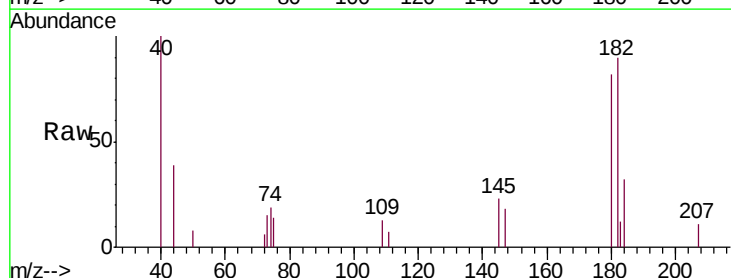


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

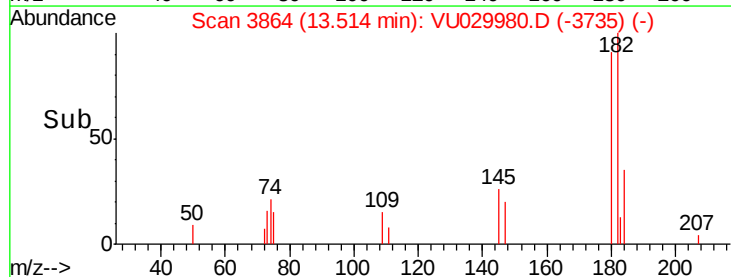
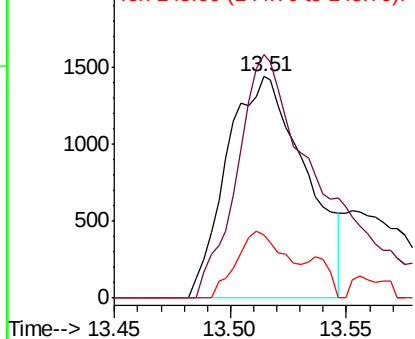


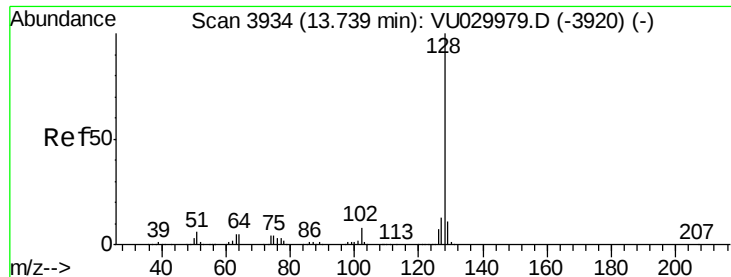
#68
 1,2,4-trichlorobenzene
 Concen: 0.587 ug/L
 RT: 13.51 min Scan# 3864
 Delta R.T. 0.02 min
 Lab File: VU029980.D
 Acq: 11 Mar 2019 21:05

Tgt Ion:180 Resp: 3398
 Ion Ratio Lower Upper
 180 100
 182 115.5 76.1 114.1#
 145 19.1 23.0 34.4#



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





#69

Naphthalene

Concen: 0.364 ug/L

RT: 13.76 min Scan# 3942

Delta R.T. 0.03 min

Lab File: VU029980.D

Acq: 11 Mar 2019 21:05

Instrument :

MSVOA_U

ClientSampled :

VBLK56

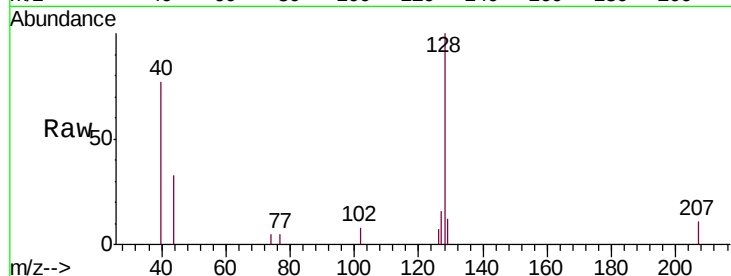
Tgt Ion:128 Resp: 6842

Ion Ratio Lower Upper

128 100

127 7.0 10.1 15.1#

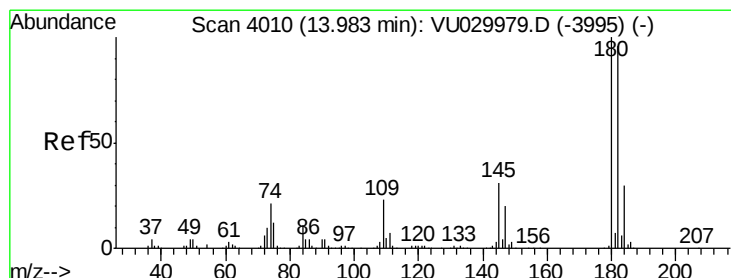
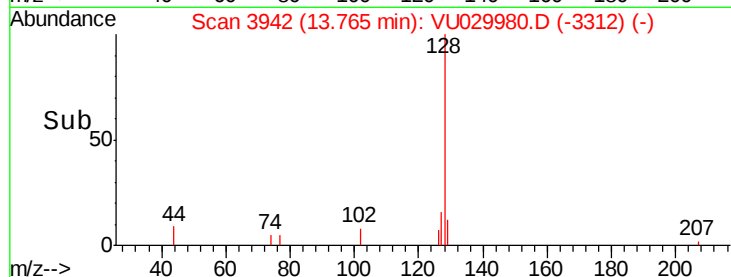
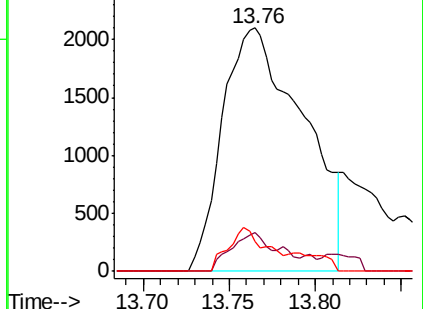
129 2.3 8.7 13.1#



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: 0.513 ug/L

RT: 13.99 min Scan# 4013

Delta R.T. 0.01 min

Lab File: VU029980.D

Acq: 11 Mar 2019 21:05

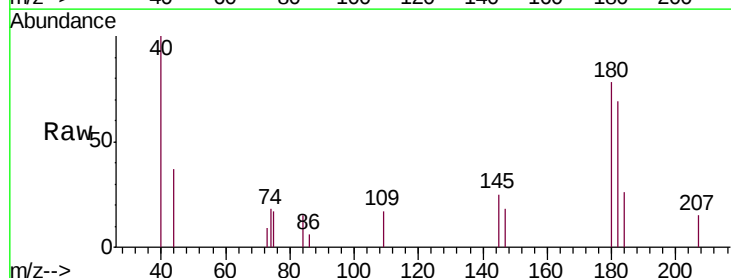
Tgt Ion:180 Resp: 3084

Ion Ratio Lower Upper

180 100

182 37.4 75.9 113.9#

145 35.6 24.0 36.0



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

