

Data File : VU026941.D
Acq On : 20 Sep 2018 16:55
Operator : MD/SY
Sample : VIBLK45
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VIBLK45

Quant Time: Sep 21 04:26:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 21 04:24:07 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	289635	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	266546	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	121546	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	79553	37.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.26%
7) Chloroethane-d5	1.68	69	73725	40.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.40%
11) 1,1-Dichloroethene-d2	2.27	63	118324	29.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.38%#
21) 2-Butanone-d5	4.18	46	112254	78.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.95%
24) Chloroform-d	4.65	84	137936	34.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	69.42%#
26) 1,2-Dichloroethane-d4	5.31	65	90730	36.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	72.50%
32) Benzene-d6	5.34	84	299790	40.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.26%
36) 1,2-Dichloropropane-d6	6.33	67	95365	39.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	79.24%
41) Toluene-d8	7.57	98	259036	38.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	76.76%#
43) trans-1,3-Dichloropropene-	7.85	79	40872	38.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.06%
47) 2-Hexanone-d5	8.31	63	76556	80.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.93%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	121732	36.27	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	72.54%
64) 1,2-Dichlorobenzene-d4	11.86	152	104973	41.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.04%

Target Compounds

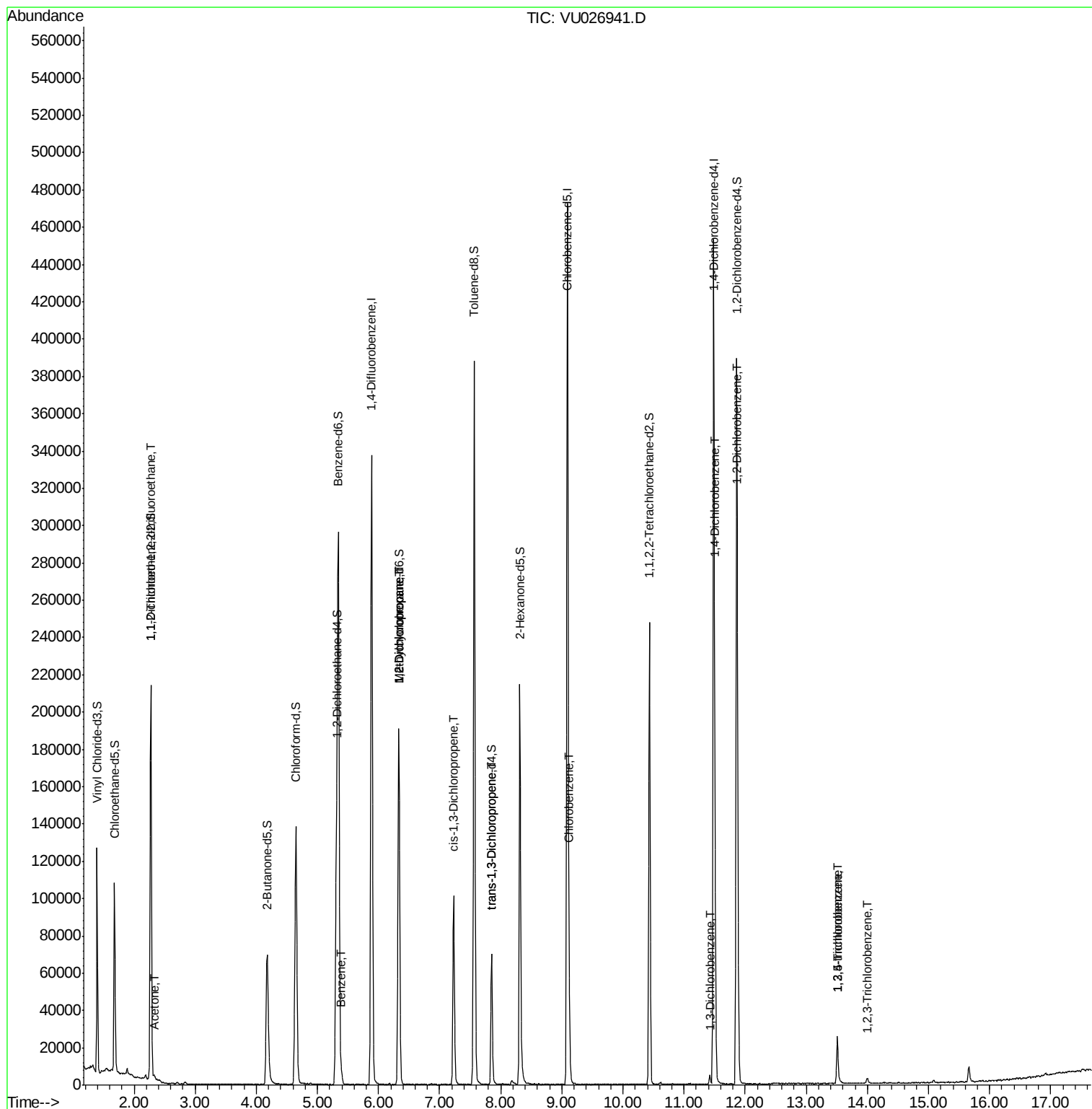
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1196	0.598	ug/L #	18
13) Acetone	2.32	43	744	0.532	ug/L	97
33) Benzene	5.39	78	5684	0.688	ug/L	100
35) Methylcyclohexane	6.33	83	21577	6.675	ug/L #	18
37) 1,2-Dichloropropane	6.33	63	9981	4.397	ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	2354	0.734	ug/L #	75
44) trans-1,3-Dichloropropene	7.85	75	1706	0.568	ug/L #	69
51) Chlorobenzene	9.12	112	24616	4.338	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	2750	0.742	ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	34146	8.369	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	31971	7.793	ug/L	98
67) 1,3,5-Trichlorobenzene	13.51	180	11004	3.838	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	11004	4.454	ug/L	97
70) 1,2,3-Trichlorobenzene	14.00	180	1658	0.609	ug/L	96

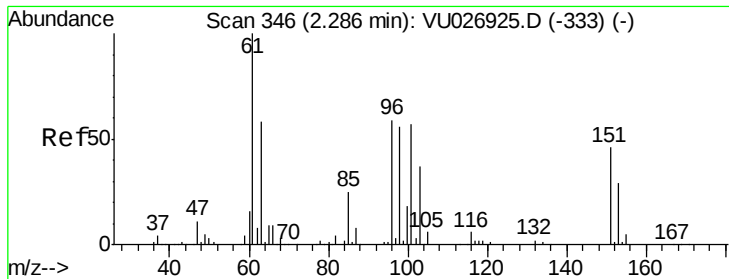
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.598 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026941.D

Acq: 20 Sep 2018 16:55

Instrument :

MSVOA_U

ClientSampleId :

VIBLK45

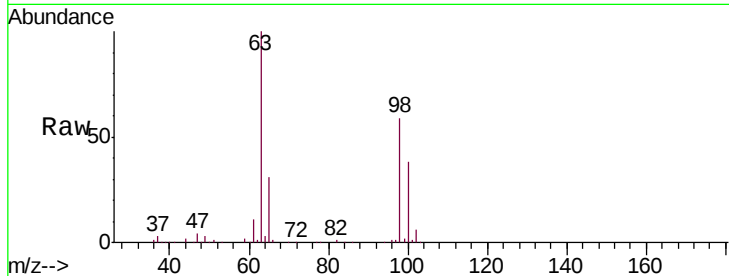
Tgt Ion: 101 Resp: 1196

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

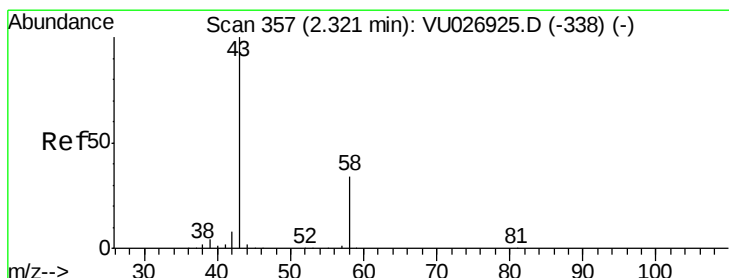
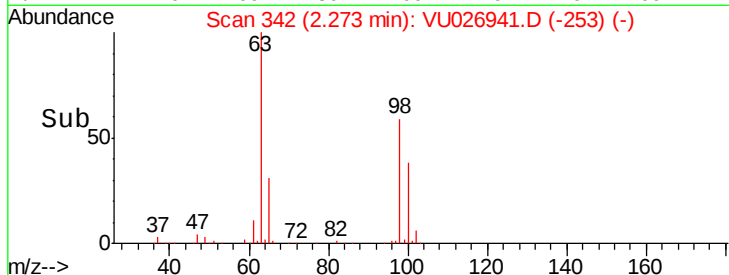
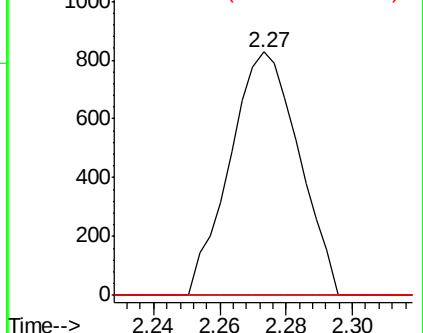
151 0.0 63.0 94.4#



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



#13

Acetone

Concen: 0.532 ug/L

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU026941.D

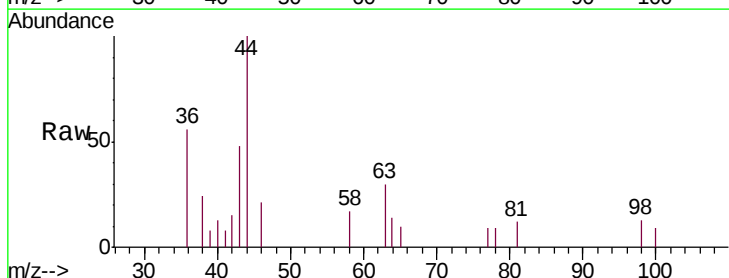
Acq: 20 Sep 2018 16:55

Tgt Ion: 43 Resp: 744

Ion Ratio Lower Upper

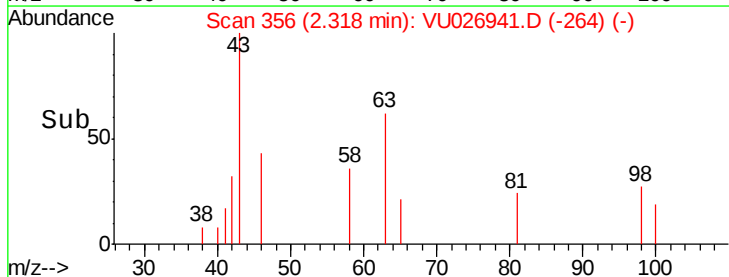
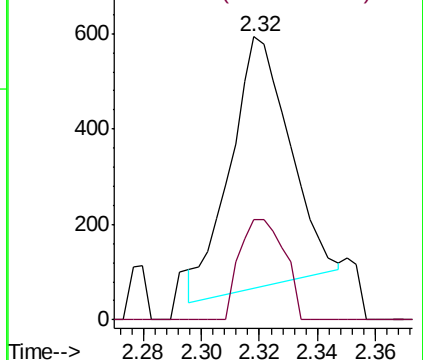
43 100

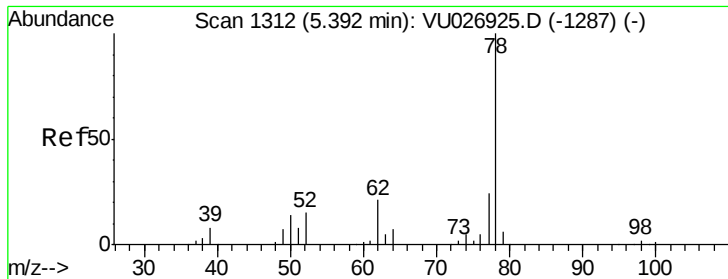
58 30.4 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#33

Benzene

Concen: 0.688 ug/L

RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU026941.D

Acq: 20 Sep 2018 16:55

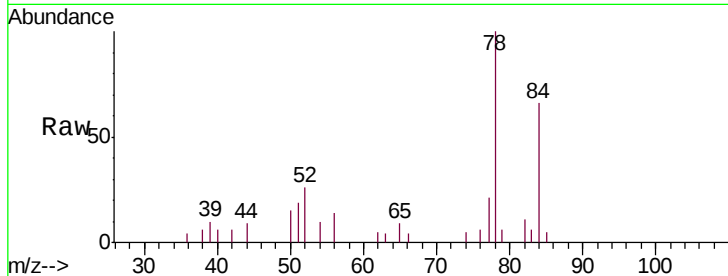
Instrument :

MSVOA_U

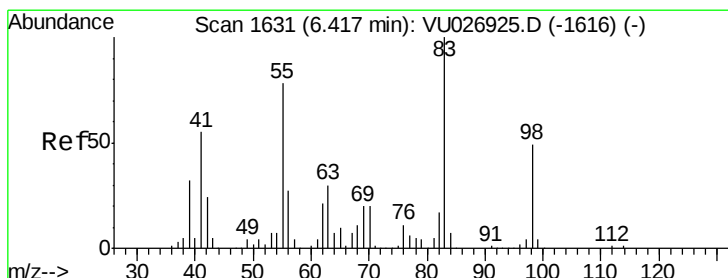
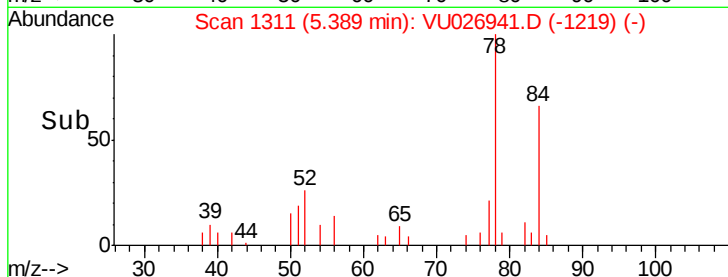
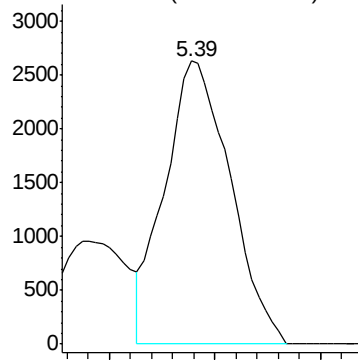
ClientSampleId :

VIBLK45

Tgt Ion: 78 Resp: 5684



Abundance Ion 78.00 (77.70 to 78.70): VU0



#35

Methylcyclohexane

Concen: 6.675 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.09 min

Lab File: VU026941.D

Acq: 20 Sep 2018 16:55

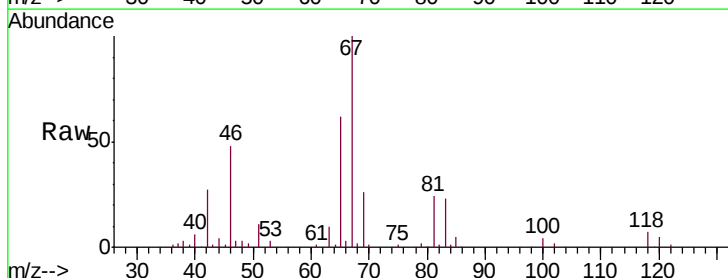
Tgt Ion: 83 Resp: 21577

Ion Ratio Lower Upper

83 100

55 0.0 61.7 92.5#

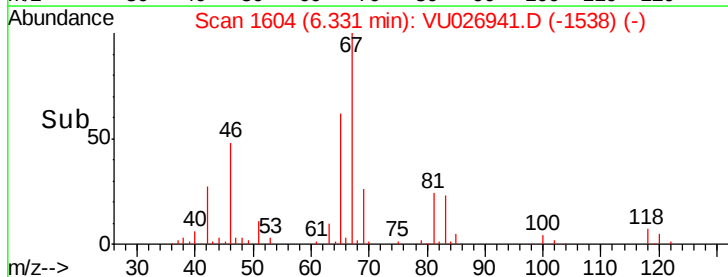
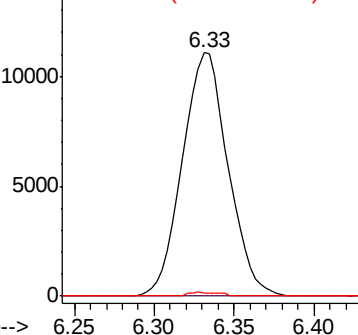
98 0.7 38.3 57.5#

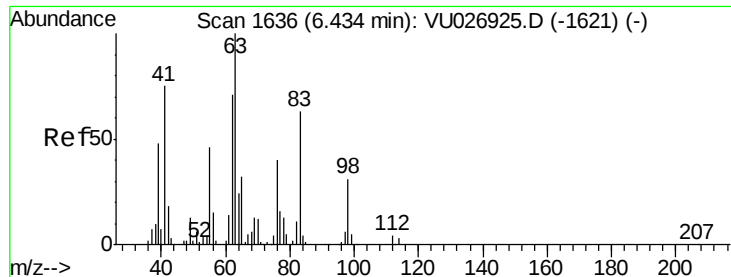


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

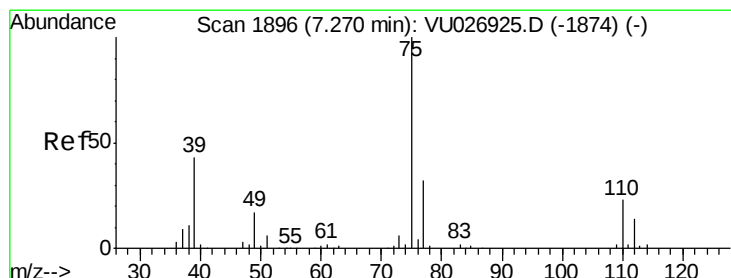
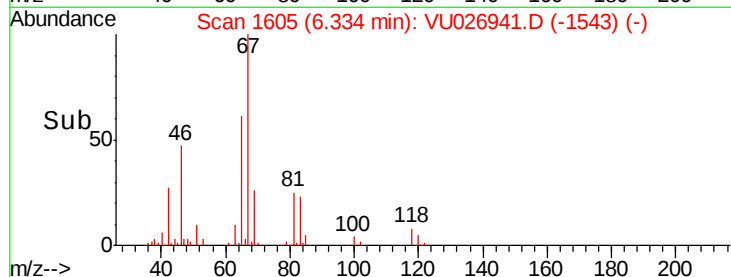
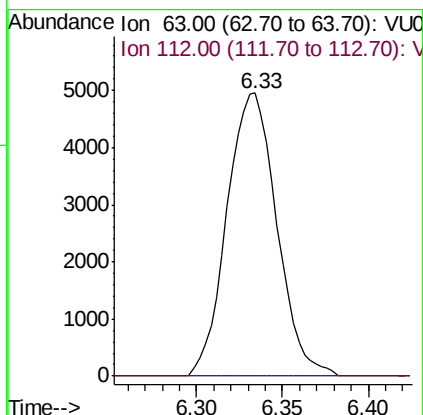
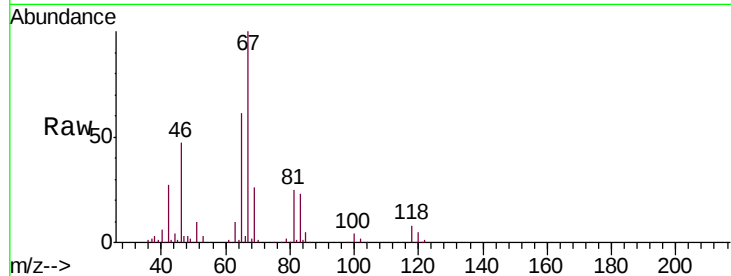




#37
 1,2-Dichloropropane
 Concen: 4.397 ug/L
 RT: 6.33 min Scan# 1605
 Delta R.T. -0.10 min
 Lab File: VU026941.D
 Acq: 20 Sep 2018 16:55

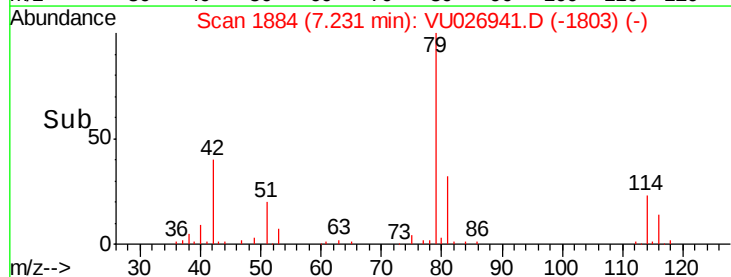
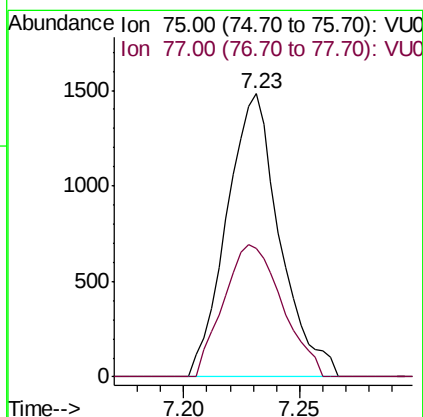
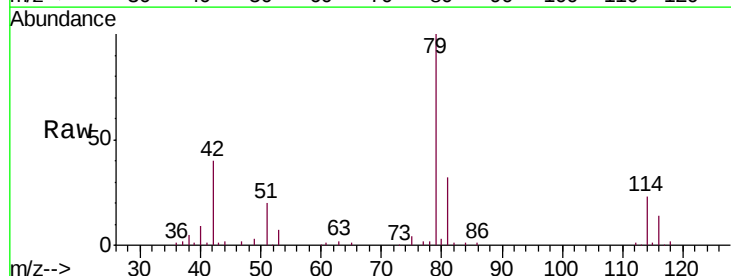
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK45

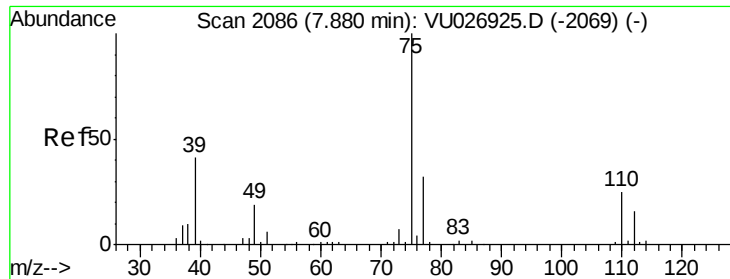
Tgt Ion: 63 Resp: 9981
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.734 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU026941.D
 Acq: 20 Sep 2018 16:55

Tgt Ion: 75 Resp: 2354
 Ion Ratio Lower Upper
 75 100
 77 45.4 22.1 41.1#





#44

trans-1,3-Dichloropropene

Concen: 0.568 ug/L

RT: 7.85 min Scan# 2076

Delta R.T. -0.03 min

Lab File: VU026941.D

Acq: 20 Sep 2018 16:55

Instrument :

MSVOA_U

ClientSampleId :

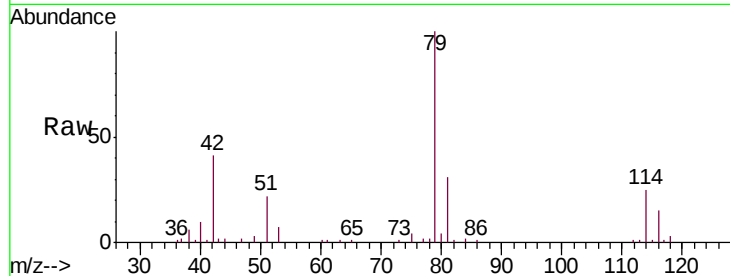
VIBLK45

Tgt Ion: 75 Resp: 1706

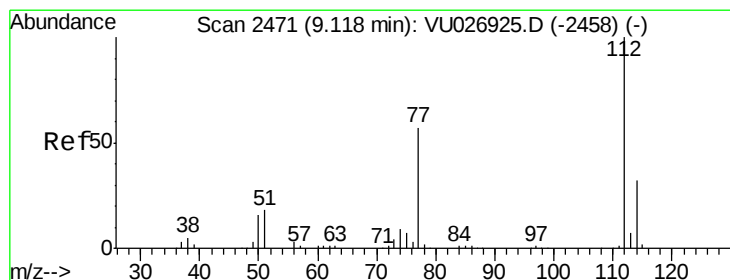
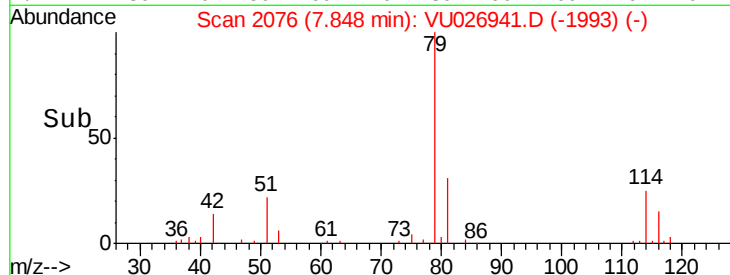
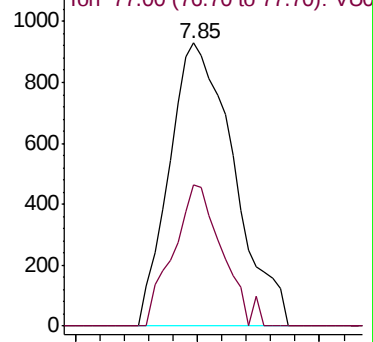
Ion Ratio Lower Upper

75 100

77 49.9 22.8 42.4#



Abundance Ion 75.00 (74.70 to 75.70): VU026941.D (-1993) (-)



#51

Chlorobenzene

Concen: 4.338 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU026941.D

Acq: 20 Sep 2018 16:55

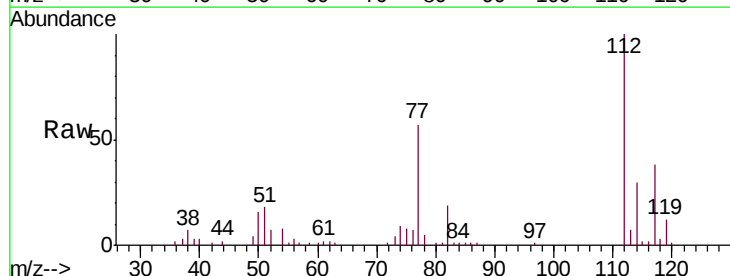
Tgt Ion: 112 Resp: 24616

Ion Ratio Lower Upper

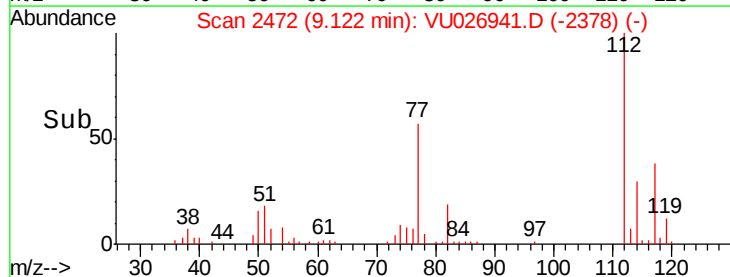
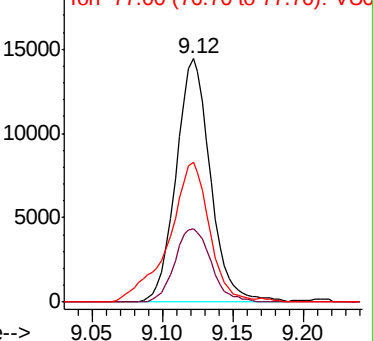
112 100

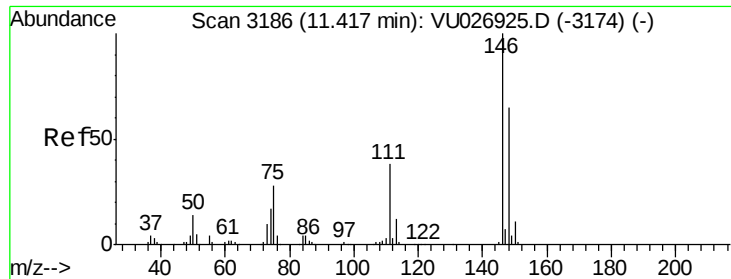
114 29.9 22.3 41.5

77 57.3 45.1 67.7



Abundance Ion 112.00 (111.70 to 112.70): VU026941.D (-2378) (-)

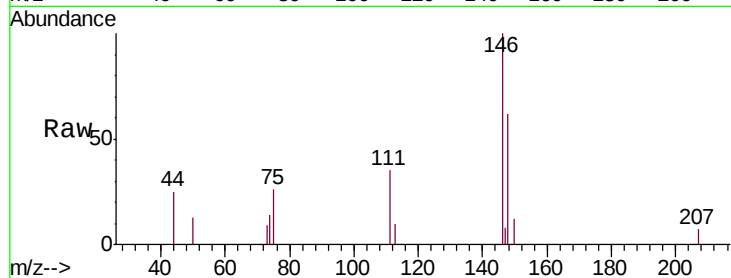




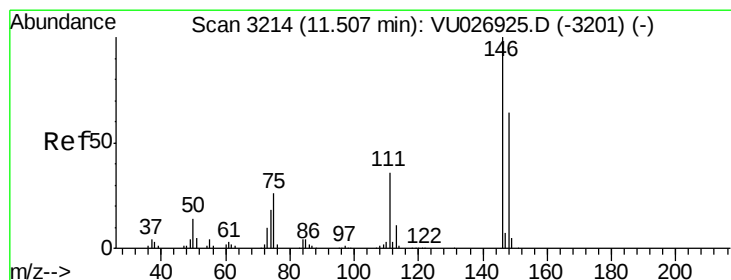
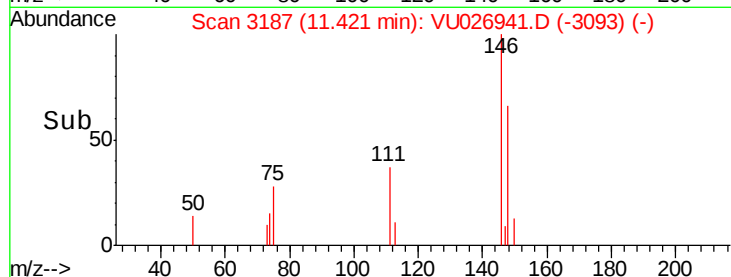
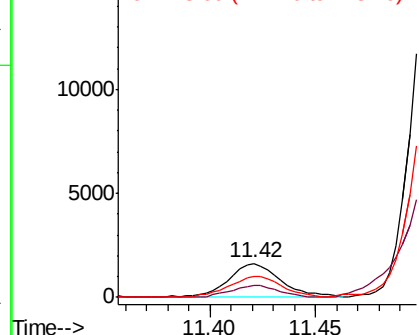
#62
 1,3-Dichlorobenzene
 Concen: 0.742 ug/L
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU026941.D
 Acq: 20 Sep 2018 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK45

Tgt Ion:146 Resp: 2750
 Ion Ratio Lower Upper
 146 100
 111 35.1 26.7 49.7
 148 61.9 44.9 83.5

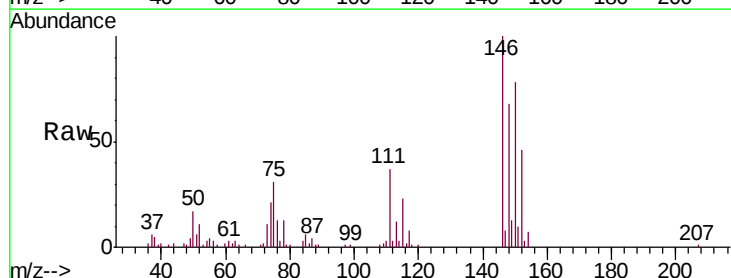


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

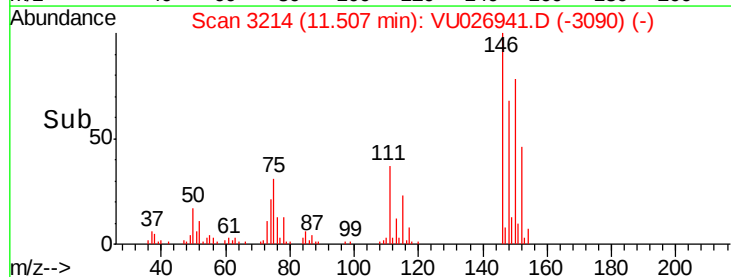
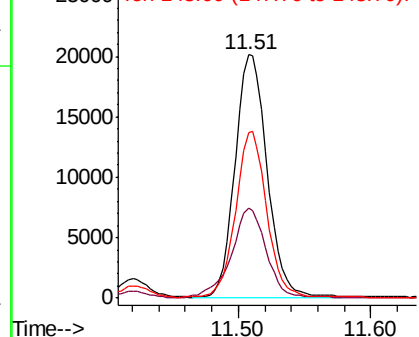


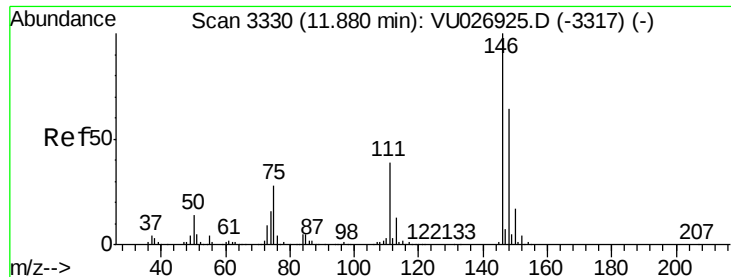
#63
 1,4-Dichlorobenzene
 Concen: 8.369 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026941.D
 Acq: 20 Sep 2018 16:55

Tgt Ion:146 Resp: 34146
 Ion Ratio Lower Upper
 146 100
 111 37.0 26.0 48.2
 148 68.1 45.8 85.2



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





#65

1,2-Dichlorobenzene

Concen: 7.793 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026941.D

Acq: 20 Sep 2018 16:55

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ClientSampleId :

VIBLK45

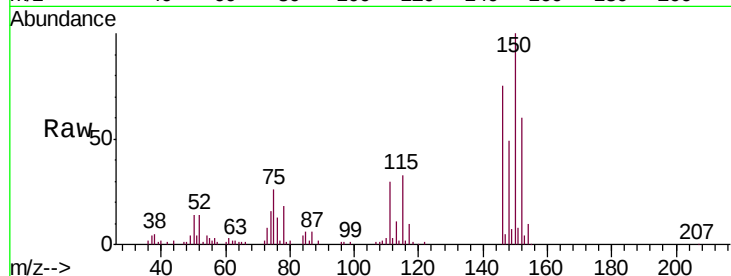
Tgt Ion:146 Resp: 31971

Ion Ratio Lower Upper

146 100

111 40.1 31.4 47.0

148 65.8 51.4 77.2

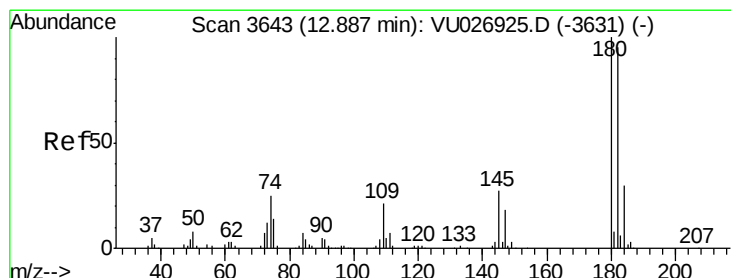
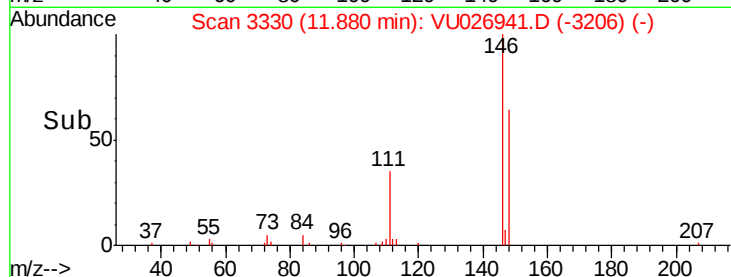
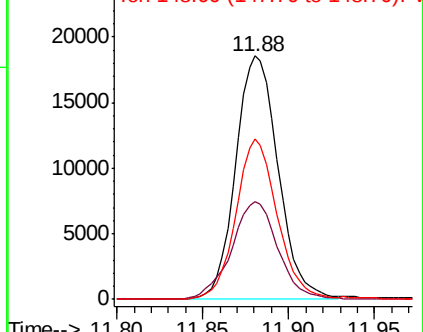


Abundance

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: 3.838 ug/L

RT: 13.51 min Scan# 3836

Delta R.T. 0.62 min

Lab File: VU026941.D

Acq: 20 Sep 2018 16:55

Tgt Ion:180 Resp: 11004

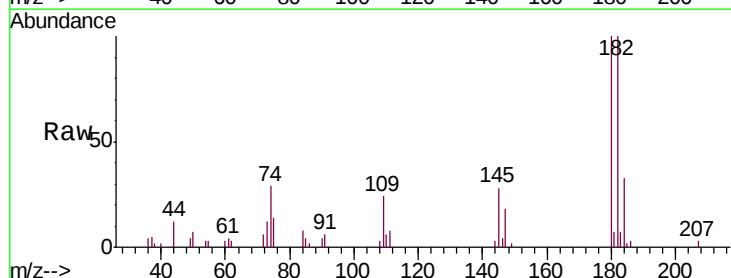
Ion Ratio Lower Upper

180 100

182 93.9 76.7 115.1

184 29.3 24.2 36.4

145 25.4 21.8 32.6



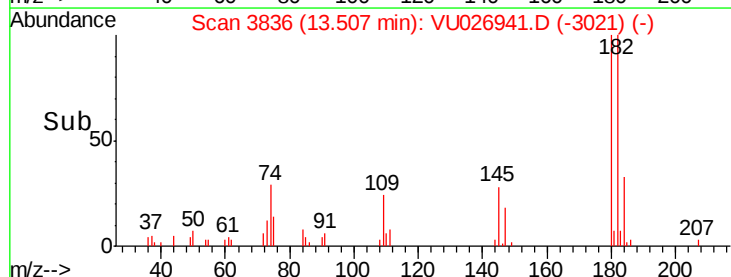
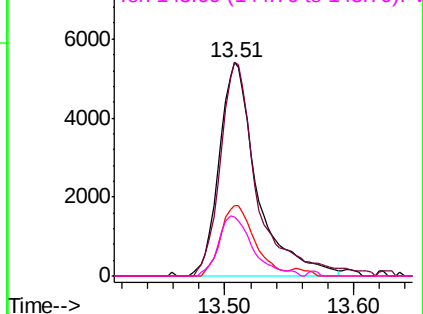
Abundance

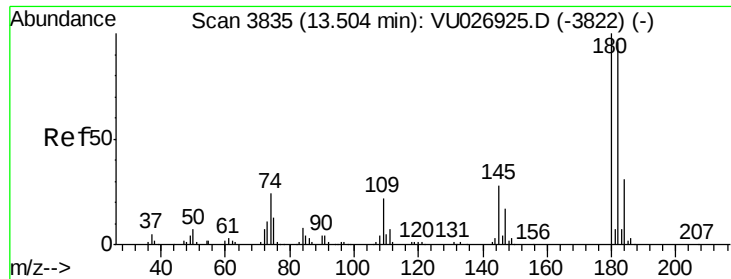
Ion 180.00 (179.70 to 180.70): V

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

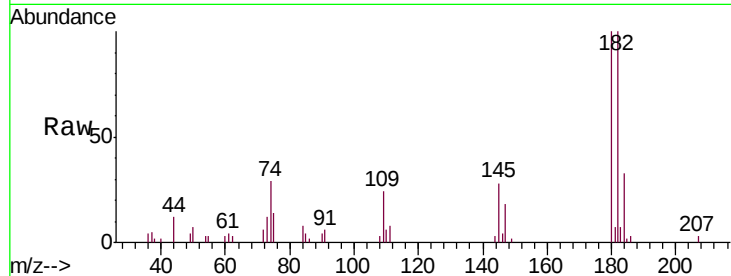




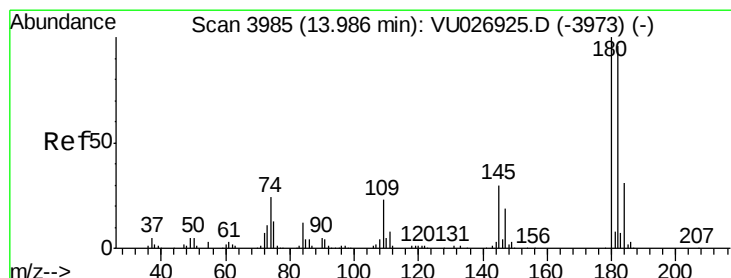
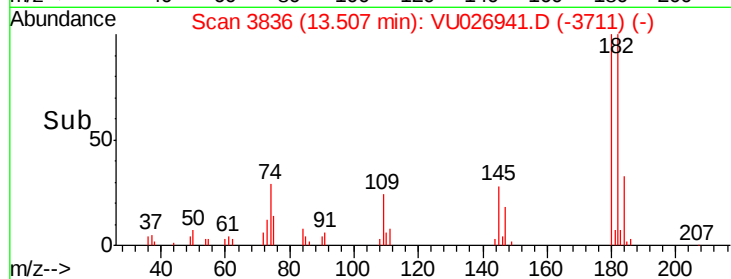
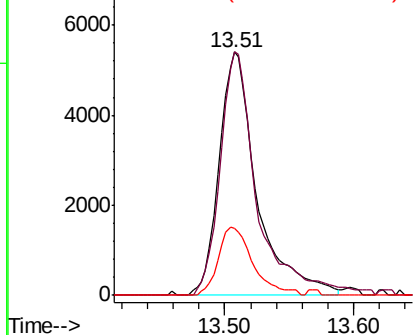
#68
 1,2,4-trichlorobenzene
 Concen: 4.454 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU026941.D
 Acq: 20 Sep 2018 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK45

Tgt Ion:180 Resp: 11004
 Ion Ratio Lower Upper
 180 100
 182 93.9 76.8 115.2
 145 25.4 22.2 33.2

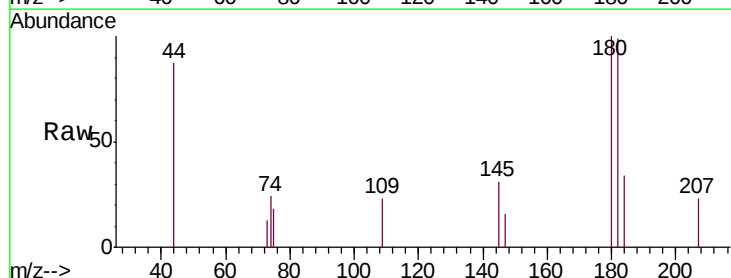


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 0.609 ug/L
 RT: 14.00 min Scan# 3988
 Delta R.T. 0.01 min
 Lab File: VU026941.D
 Acq: 20 Sep 2018 16:55

Tgt Ion:180 Resp: 1658
 Ion Ratio Lower Upper
 180 100
 182 97.7 75.6 113.4
 145 27.1 23.8 35.6



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

