

Data File : VU030832.D
Acq On : 07 Apr 2019 03:47
Operator : JC/SP
Sample : K2269-03DL 500X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0BR5DL

Quant Time: Apr 08 07:09:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 08 07:03:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	462608	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	468996	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	194421	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	213608	51.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.46%
7) Chloroethane-d5	1.68	69	166840	53.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.46%
11) 1,1-Dichloroethene-d2	2.27	63	293864	39.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.68%
21) 2-Butanone-d5	4.17	46	335478	102.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.50%
24) Chloroform-d	4.64	84	306730	48.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.24%
26) 1,2-Dichloroethane-d4	5.31	65	220330	51.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.38%
32) Benzene-d6	5.34	84	661250	48.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.60%
36) 1,2-Dichloropropane-d6	6.32	67	226402	48.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.50%
41) Toluene-d8	7.56	98	557617	45.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.90%
43) trans-1,3-Dichloropropene-	7.85	79	93254	43.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.18%
47) 2-Hexanone-d5	8.31	63	201860	94.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.13%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	303160	47.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	196738	51.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.90%

Target Compounds

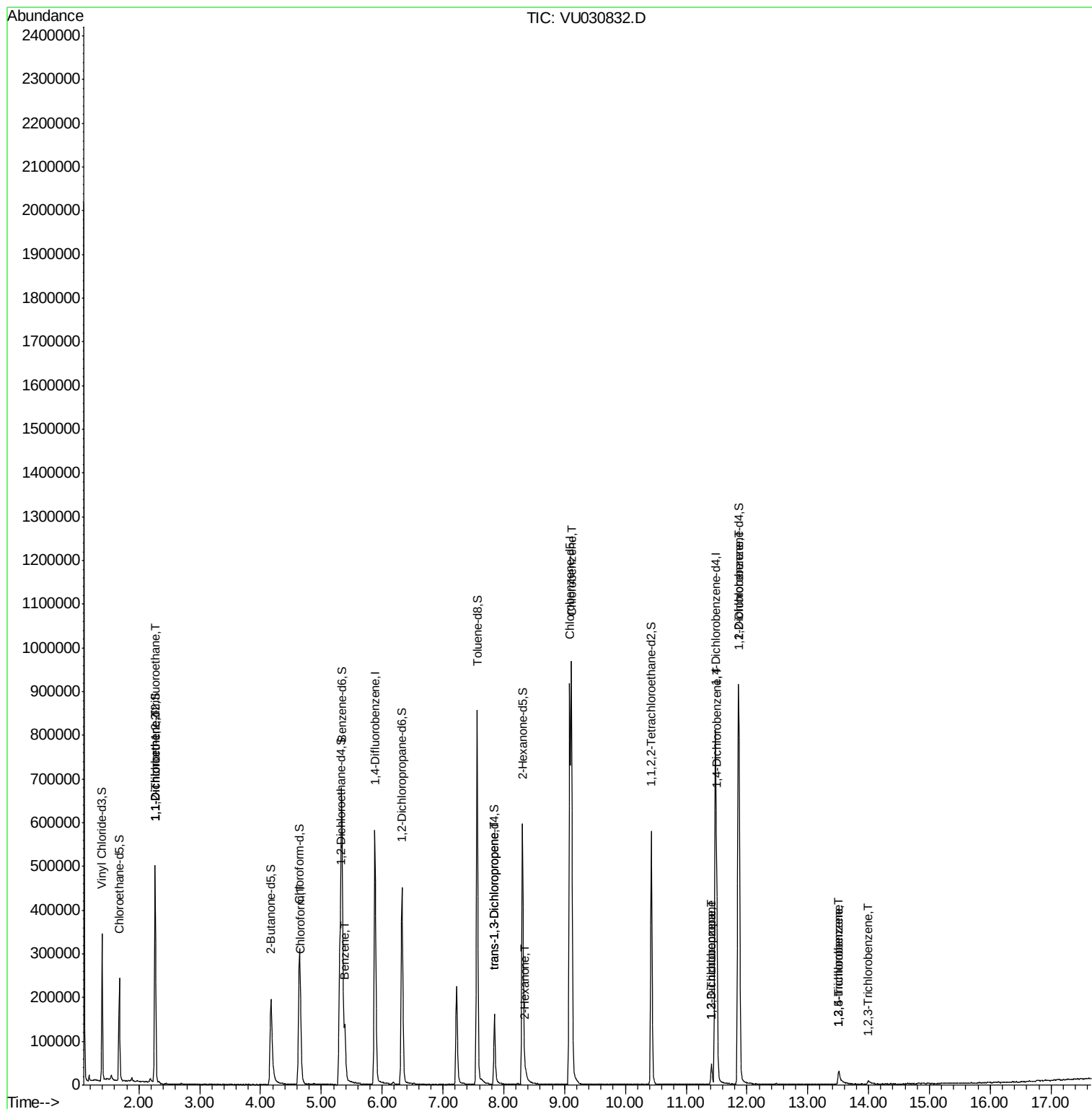
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2697	0.814	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	2113	0.661	ug/L #	1
25) Chloroform	4.67	83	25317	3.595	ug/L	97
33) Benzene	5.39	78	130628	8.511	ug/L	100
44) trans-1,3-Dichloropropene	7.85	75	3812	0.699	ug/L #	80
48) 2-Hexanone	8.36	43	6606	1.212	ug/L #	83
51) Chlorobenzene	9.12	112	478104	49.758	ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	6165	1.184	ug/L #	42
62) 1,3-Dichlorobenzene	11.42	146	18386	2.992	ug/L	93
63) 1,4-Dichlorobenzene	11.50	146	161854	25.896	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	209240	33.947	ug/L	98
67) 1,3,5-Trichlorobenzene	13.51	180	12264	2.731	ug/L #	92
68) 1,2,4-trichlorobenzene	13.51	180	12264	3.212	ug/L #	90
70) 1,2,3-Trichlorobenzene	13.99	180	1918	0.481	ug/L #	80

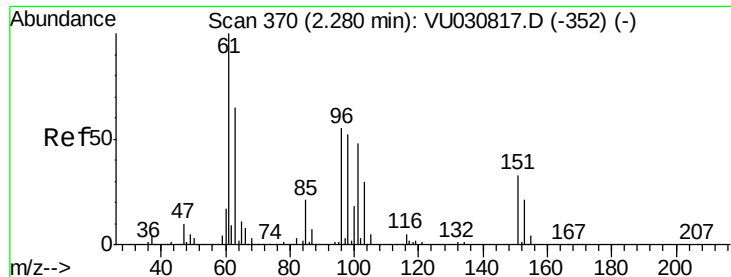
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.814 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU030832.D

Acq: 07 Apr 2019 03:47

Instrument :

MSVOA_U

ClientSampleId :

C0BR5DL

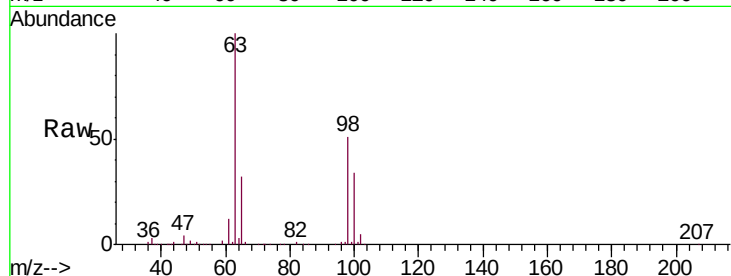
Tgt Ion: 101 Resp: 2697

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

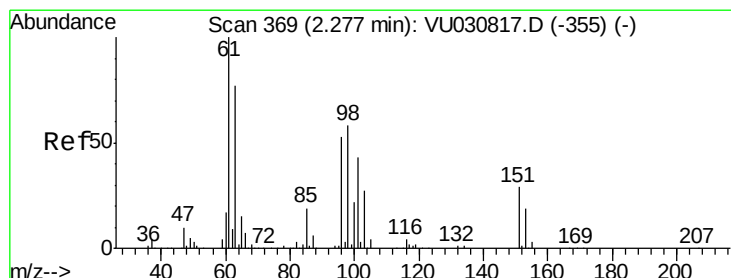
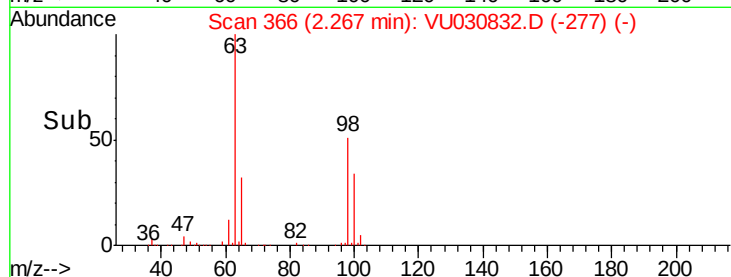
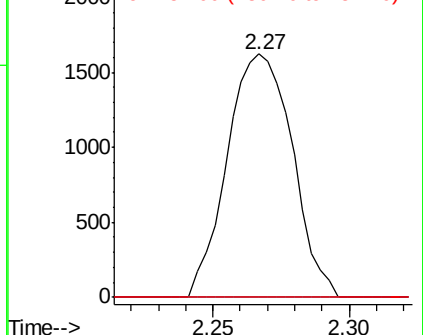
151 0.0 57.4 86.0#



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



#12

1,1-Dichloroethene

Concen: 0.661 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU030832.D

Acq: 07 Apr 2019 03:47

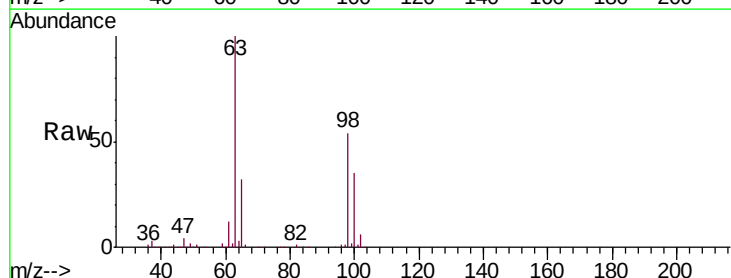
Tgt Ion: 96 Resp: 2113

Ion Ratio Lower Upper

96 100

61 1415.8 132.0 245.2#

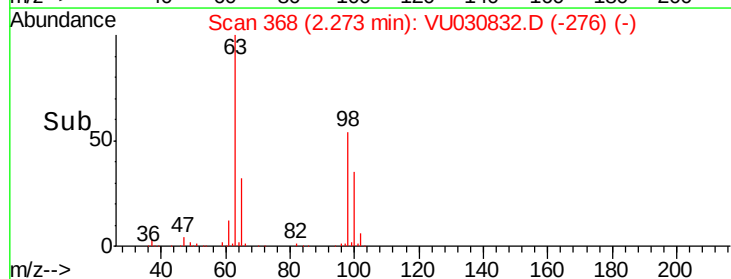
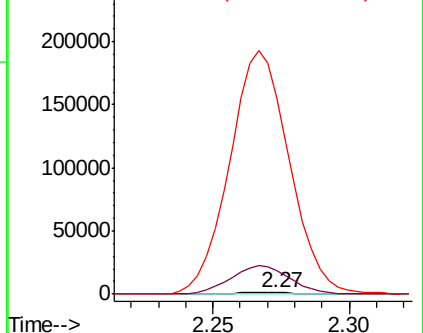
63 11945.4 90.9 168.9#

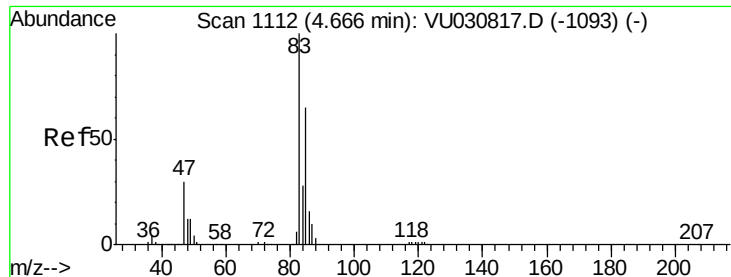


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

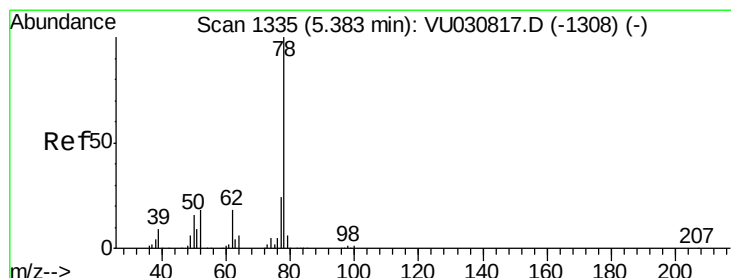
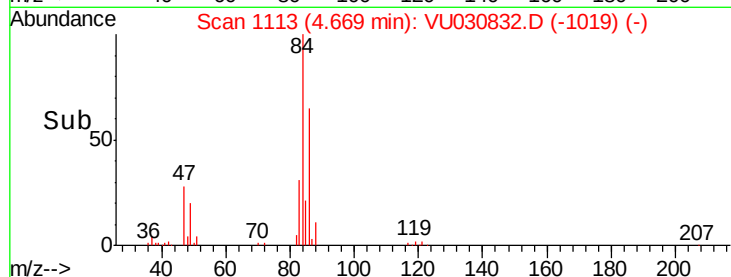
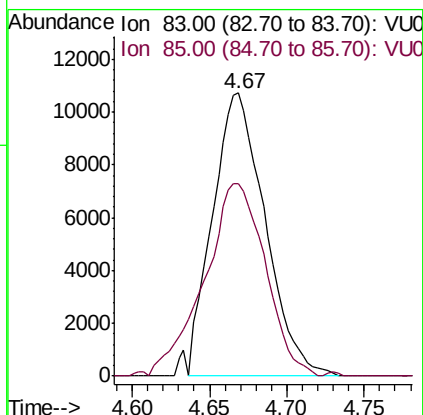
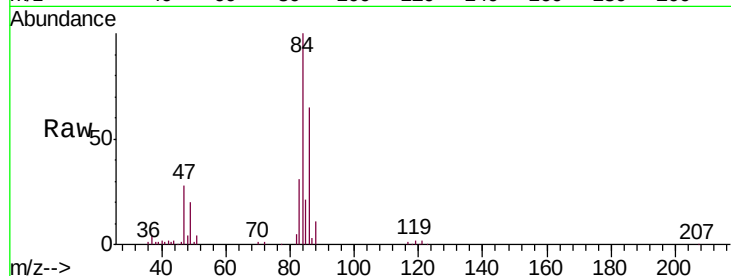




#25
Chloroform
Concen: 3.595 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030832.D
Acq: 07 Apr 2019 03:47

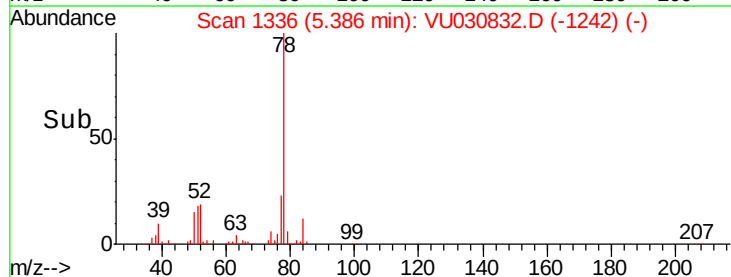
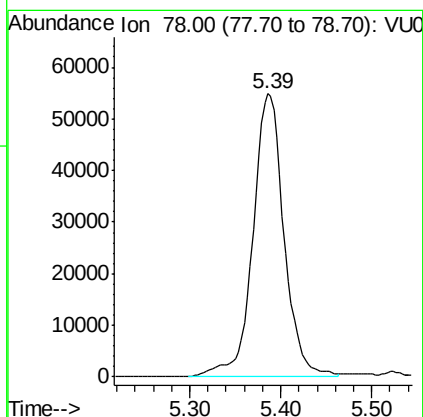
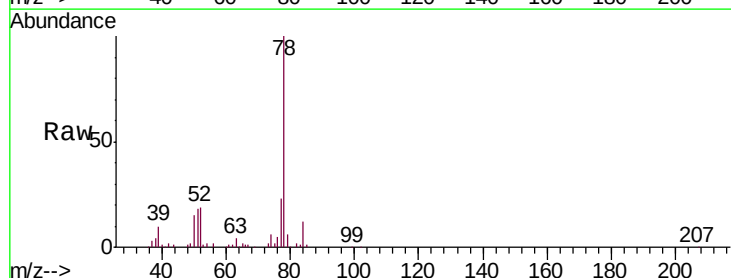
Instrument :
MSVOA_U
ClientSampleId :
C0BR5DL

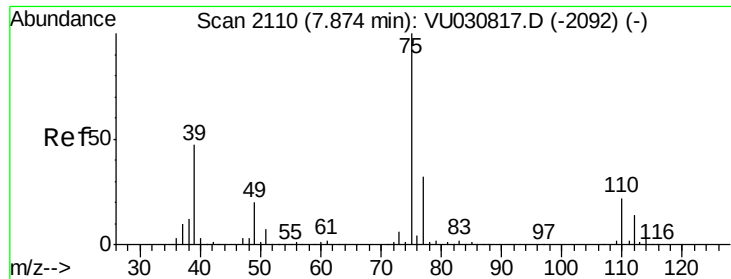
Tgt Ion: 83 Resp: 25317
Ion Ratio Lower Upper
83 100
85 68.0 45.8 85.0



#33
Benzene
Concen: 8.511 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU030832.D
Acq: 07 Apr 2019 03:47

Tgt Ion: 78 Resp: 130628

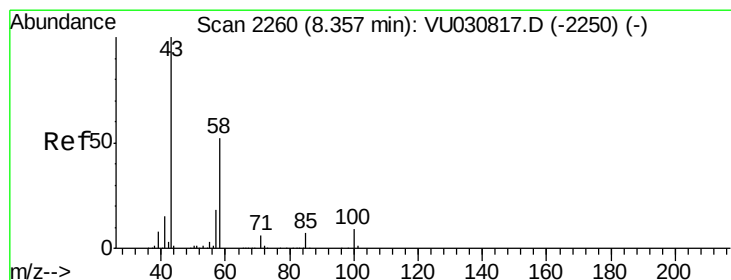
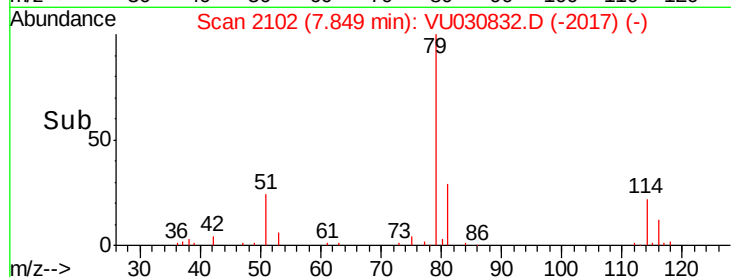
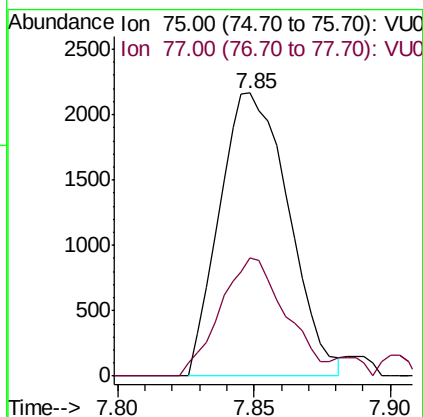
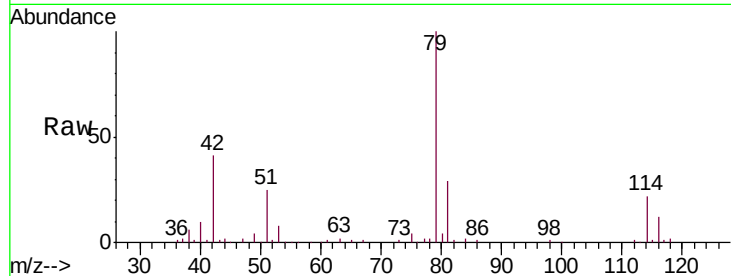




#44
trans-1,3-Dichloropropene
Concen: 0.699 ug/L
RT: 7.85 min Scan# 2102
Delta R.T. -0.03 min
Lab File: VU030832.D
Acq: 07 Apr 2019 03:47

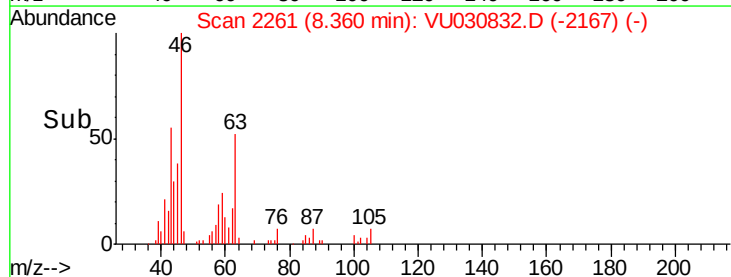
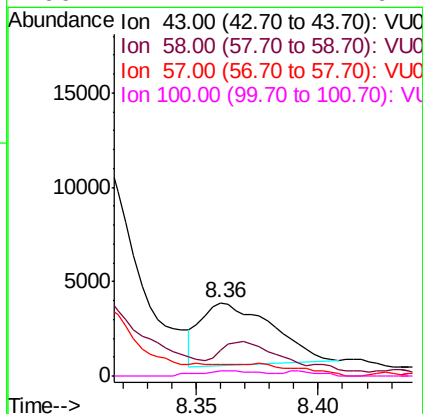
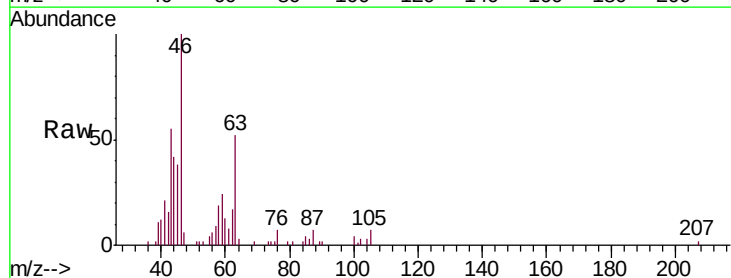
Instrument :
MSVOA_U
ClientSampleId :
C0BR5DL

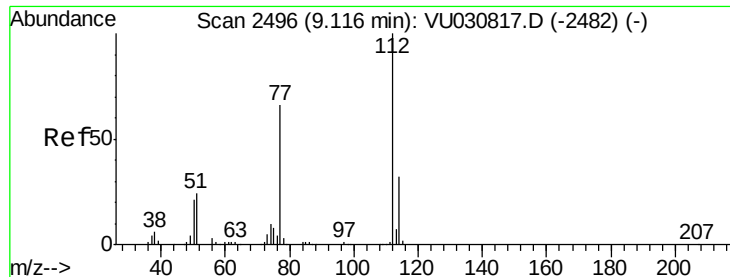
Tgt Ion: 75 Resp: 3812
Ion Ratio Lower Upper
75 100
77 41.9 21.6 40.0#



#48
2-Hexanone
Concen: 1.212 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU030832.D
Acq: 07 Apr 2019 03:47

Tgt Ion: 43 Resp: 6606
Ion Ratio Lower Upper
43 100
58 45.9 41.9 62.9
57 0.0 14.3 21.5#
100 4.2 7.1 10.7#

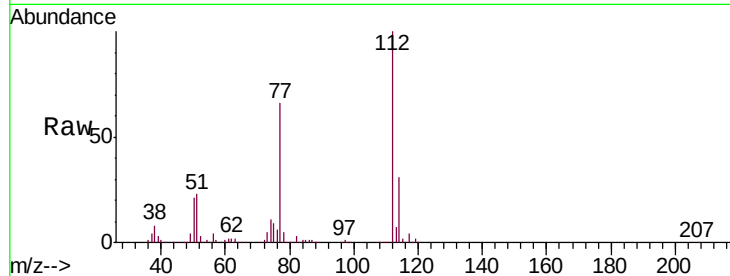




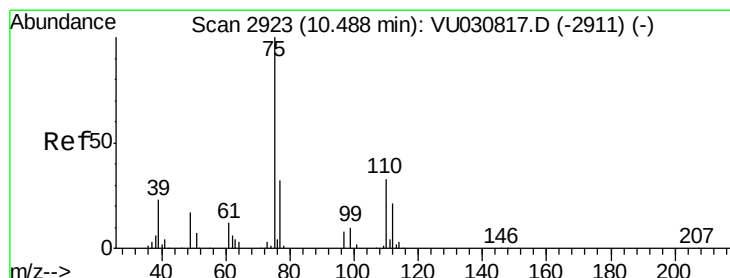
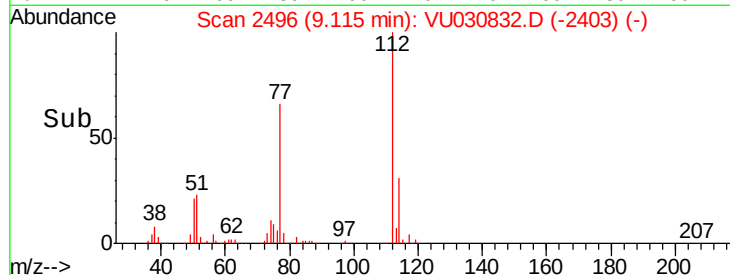
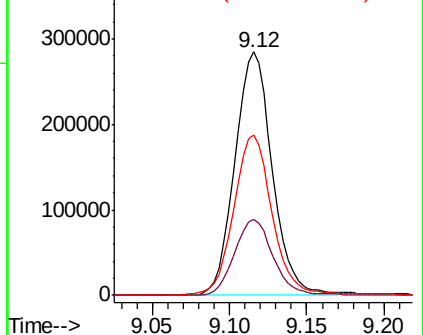
#51
Chlorobenzene
Concen: 49.758 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030832.D
Acq: 07 Apr 2019 03:47

Instrument :
MSVOA_U
ClientSampleId :
C0BR5DL

Tgt Ion: 112 Resp: 478104
Ion Ratio Lower Upper
112 100
114 31.0 22.2 41.2
77 65.8 51.7 77.5

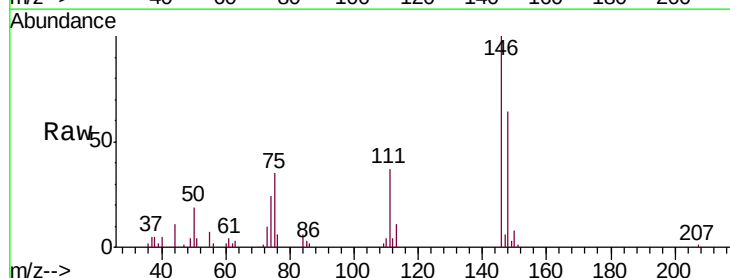


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

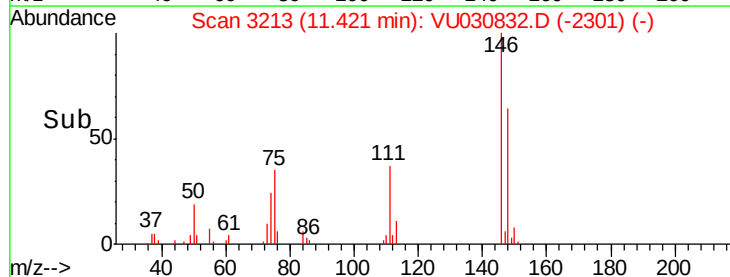
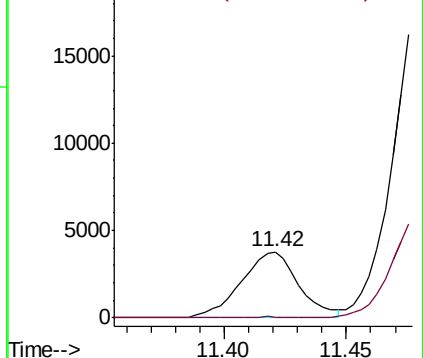


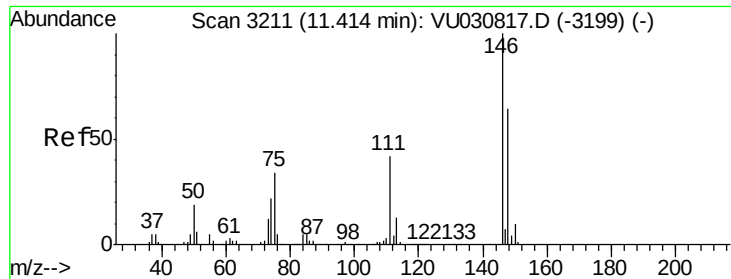
#59
1,2,3-Trichloropropane
Concen: 1.184 ug/L
RT: 11.42 min Scan# 3213
Delta R.T. 0.93 min
Lab File: VU030832.D
Acq: 07 Apr 2019 03:47

Tgt Ion: 75 Resp: 6165
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 2.992 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030832.D

Acq: 07 Apr 2019 03:47

Instrument :

MSVOA_U

ClientSampleId :

C0BR5DL

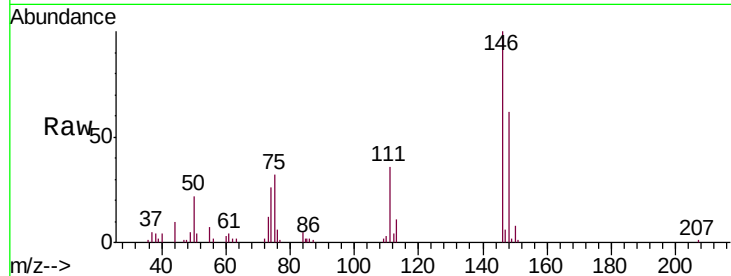
Tgt Ion:146 Resp: 18386

Ion Ratio Lower Upper

146 100

111 36.2 30.9 57.5

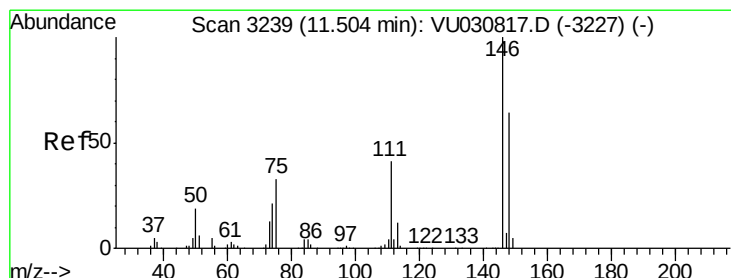
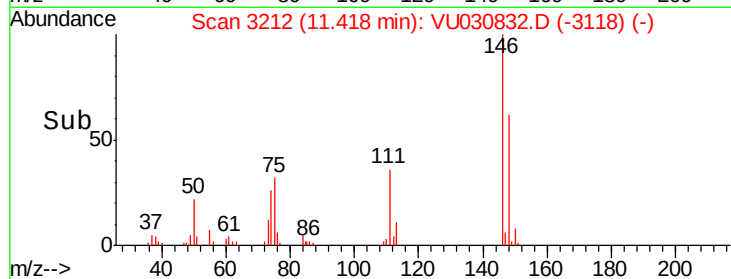
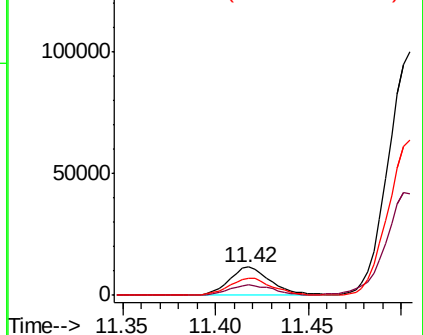
148 61.6 44.7 82.9



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: 25.896 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU030832.D

Acq: 07 Apr 2019 03:47

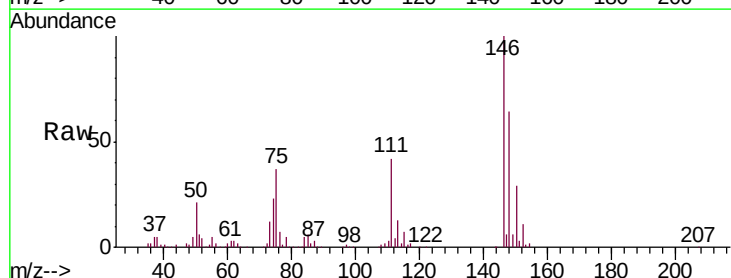
Tgt Ion:146 Resp: 161854

Ion Ratio Lower Upper

146 100

111 41.9 27.7 51.5

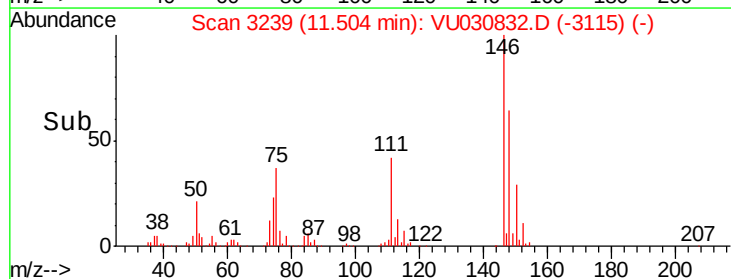
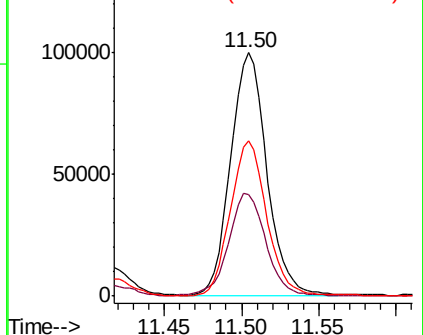
148 63.9 45.4 84.4

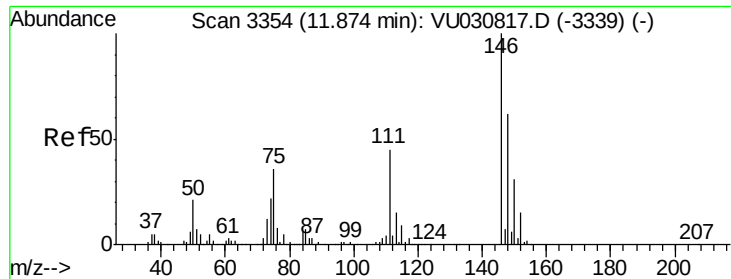


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 33.947 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

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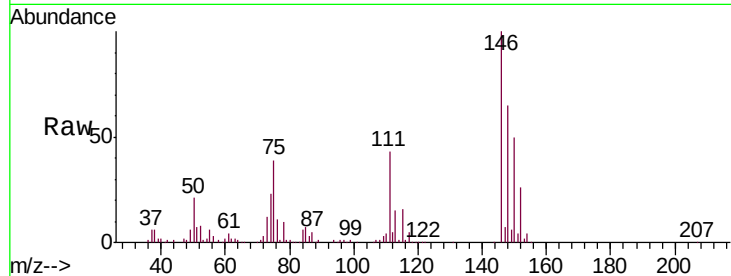
Tgt Ion:146 Resp: 209240

Ion Ratio Lower Upper

146 100

111 43.1 34.9 52.3

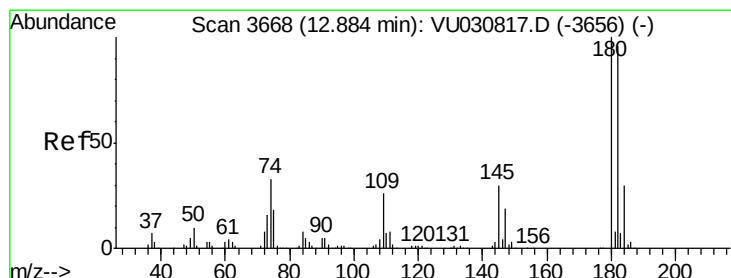
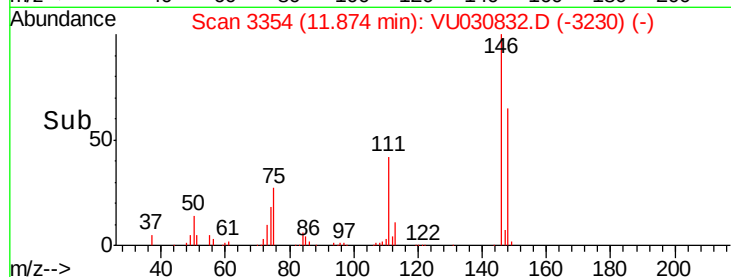
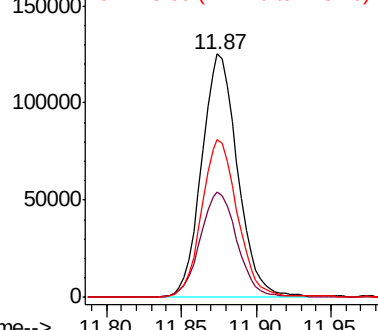
148 64.6 50.4 75.6



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: 2.731 ug/L

RT: 13.51 min Scan# 3863

Delta R.T. 0.63 min

Lab File: VU030832.D

Acq: 07 Apr 2019 03:47

Tgt Ion:180 Resp: 12264

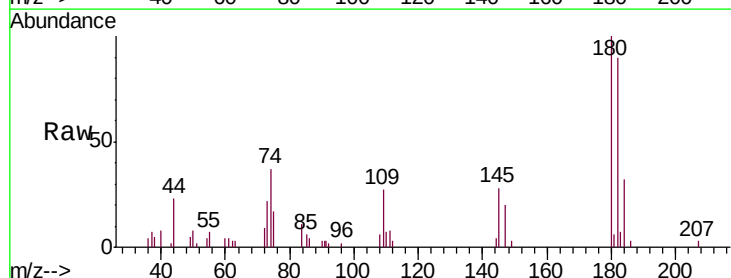
Ion Ratio Lower Upper

180 100

182 99.3 78.3 117.5

184 33.5 24.7 37.1

145 14.0 24.2 36.4#

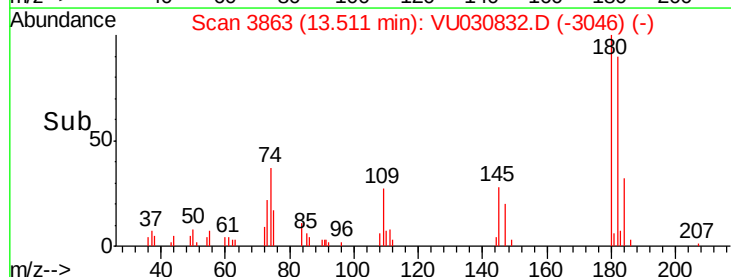
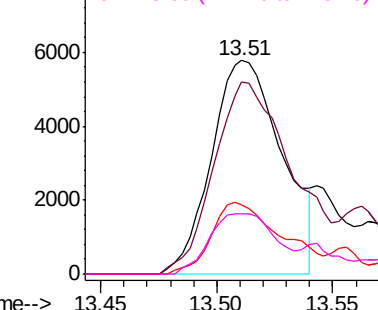


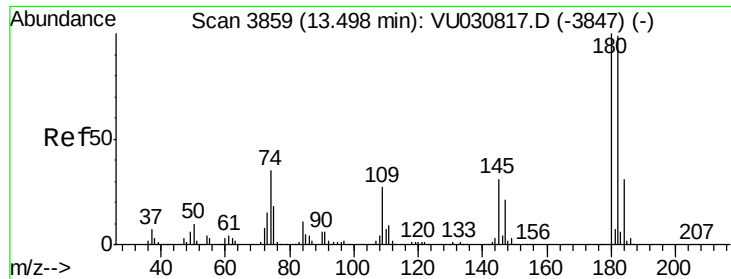
Abundance Ion 180.00 (179.70 to 180.70): V

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

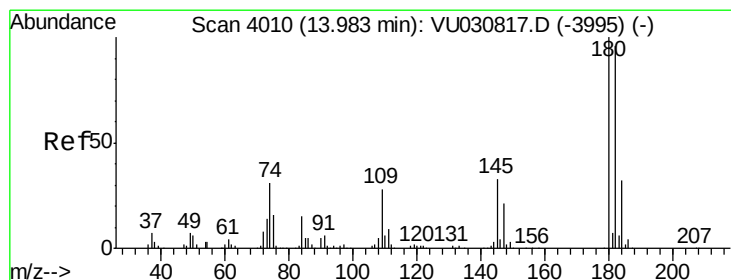
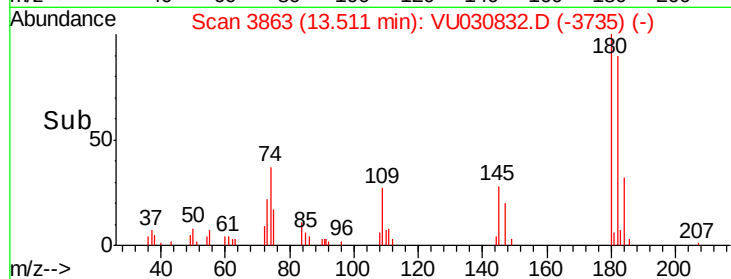
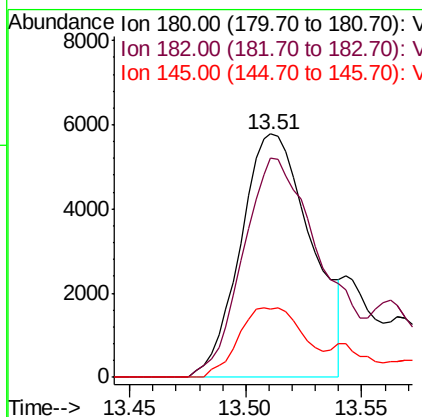
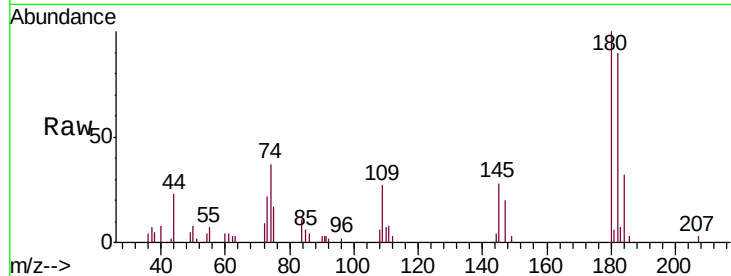




#68
 1,2,4-trichlorobenzene
 Concen: 3.212 ug/L
 RT: 13.51 min Scan# 3863
 Delta R.T. 0.01 min
 Lab File: VU030832.D
 Acq: 07 Apr 2019 03:47

Instrument :
 MSVOA_U
 ClientSampleId :
 C0BR5DL

Tgt Ion:180 Resp: 12264
 Ion Ratio Lower Upper
 180 100
 182 99.3 76.7 115.1
 145 14.0 24.4 36.6#



#70
 1,2,3-Trichlorobenzene
 Concen: 0.481 ug/L
 RT: 13.99 min Scan# 4013
 Delta R.T. 0.01 min
 Lab File: VU030832.D
 Acq: 07 Apr 2019 03:47

Tgt Ion:180 Resp: 1918
 Ion Ratio Lower Upper
 180 100
 182 122.5 78.1 117.1#
 145 35.7 26.6 40.0

