

Data File : VU030375.D
Acq On : 24 Mar 2019 17:01
Operator : JC/SP
Sample : K2016-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0986

Quant Time: Mar 25 03:26:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 25 03:20:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	387419	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	363214	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	147213	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	136670	43.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.66%
7) Chloroethane-d5	1.68	69	113412	45.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.78%
11) 1,1-Dichloroethene-d2	2.27	63	193894	32.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.56%
21) 2-Butanone-d5	4.17	46	273869	93.44	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.44%
24) Chloroform-d	4.65	84	253213	47.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.28%
26) 1,2-Dichloroethane-d4	5.31	65	169909	48.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.68%
32) Benzene-d6	5.34	84	517863	49.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.44%
36) 1,2-Dichloropropane-d6	6.33	67	186335	52.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.58%
41) Toluene-d8	7.56	98	443463	47.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.82%
43) trans-1,3-Dichloropropene-	7.85	79	72842	43.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.94%
47) 2-Hexanone-d5	8.31	63	181228	93.84	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.84%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	244168	47.88	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.76%
64) 1,2-Dichlorobenzene-d4	11.86	152	151357	51.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.62%

Target Compounds

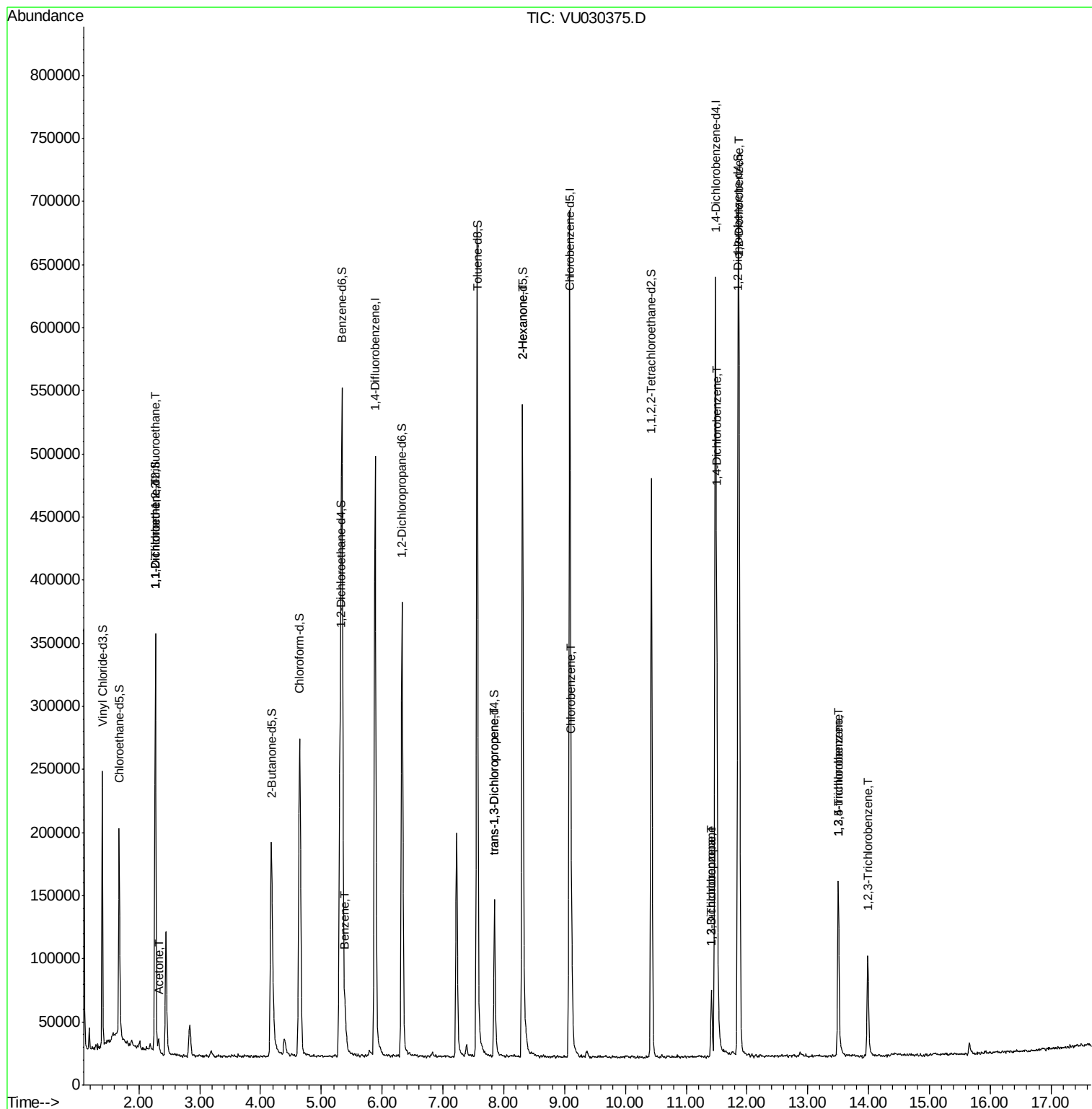
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1614	0.571 ug/L #	21
12) 1,1-Dichloroethene	2.27	96	1542	0.556 ug/L #	1
13) Acetone	2.32	43	8944	3.017 ug/L	96
33) Benzene	5.39	78	27981	2.263 ug/L	100
44) trans-1,3-Dichloropropene	7.85	75	2757	0.621 ug/L	93
48) 2-Hexanone	8.31	43	21244	4.398 ug/L #	72
51) Chlorobenzene	9.12	112	51592	6.634 ug/L	98
59) 1,2,3-Trichloropropane	11.41	75	6945	1.626 ug/L #	44
62) 1,3-Dichlorobenzene	11.42	146	20899	4.341 ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	111435	22.484 ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	138110	28.371 ug/L	100
67) 1,3,5-Trichlorobenzene	13.50	180	46479	12.896 ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	46479	14.842 ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	27347	8.270 ug/L	98

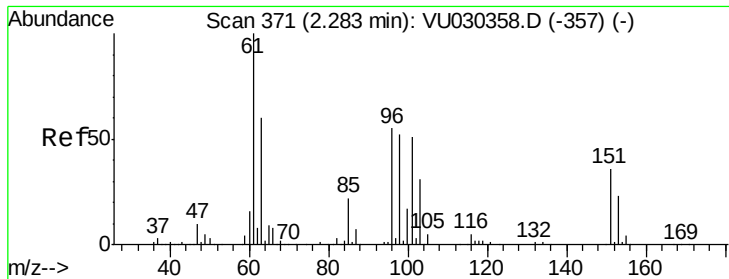
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU030375.D
Acq On : 24 Mar 2019 17:01
Operator : JC/SP
Sample : K2016-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0986

Quant Time: Mar 25 03:26:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 25 03:20:51 2019
Response via : Initial Calibration





#10

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

Concen: 0.571 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030375.D

Acq: 24 Mar 2019 17:01

Instrument :

MSVOA_U

ClientSampleId :

C0986

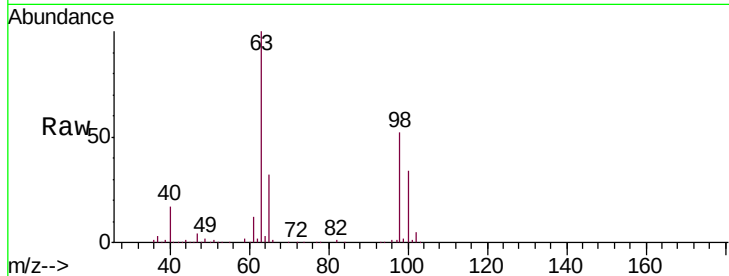
Tgt Ion: 101 Resp: 1614

Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

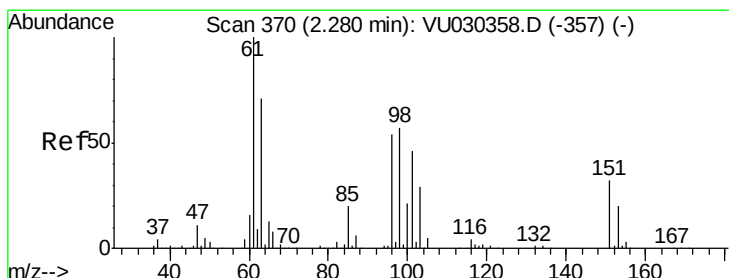
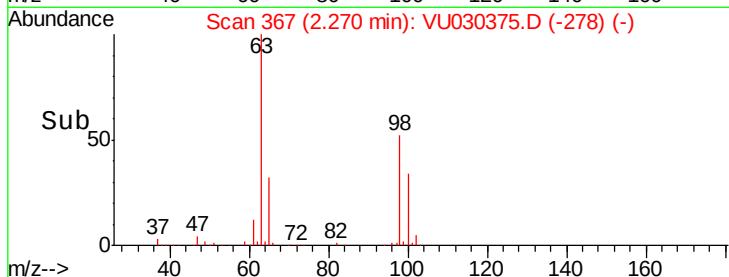
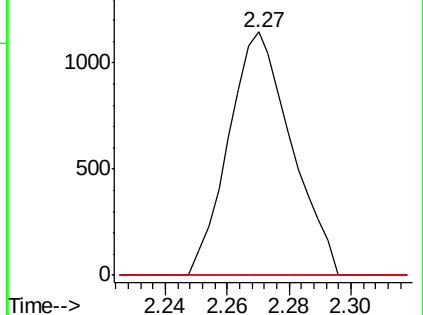
151 0.0 56.6 85.0#



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: 0.556 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030375.D

Acq: 24 Mar 2019 17:01

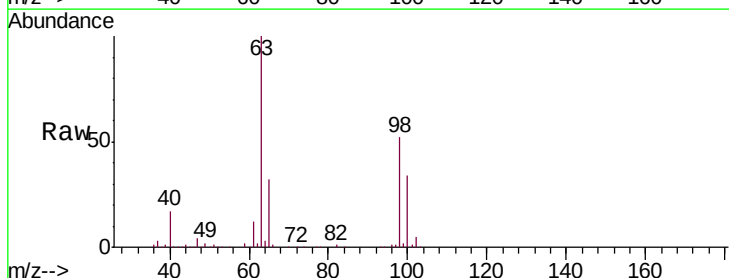
Tgt Ion: 96 Resp: 1542

Ion Ratio Lower Upper

96 100

61 1725.8 131.0 243.4#

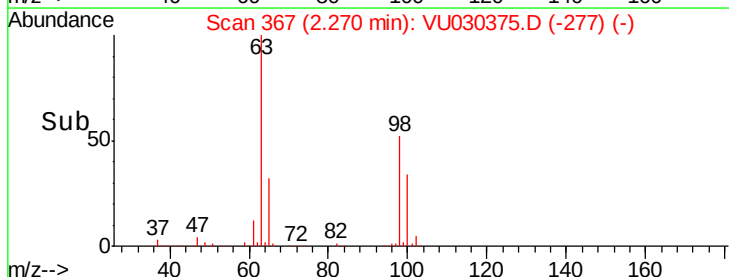
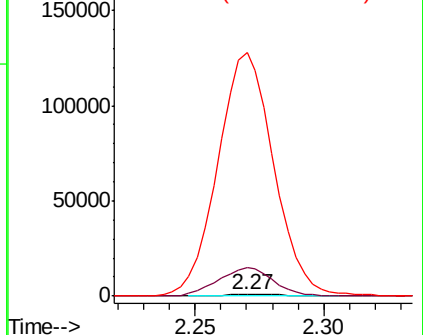
63 14647.4 92.4 171.6#

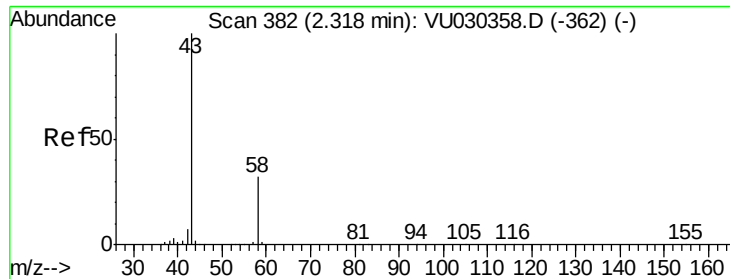


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.017 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030375.D

Acq: 24 Mar 2019 17:01

Instrument :

MSVOA_U

ClientSampled :

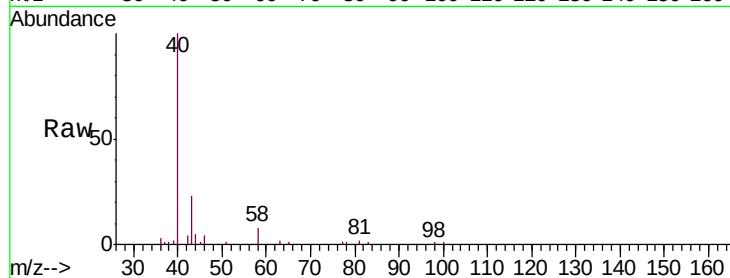
C0986

Tgt Ion: 43 Resp: 8944

Ion Ratio Lower Upper

43 100 0.0 62.8

58 29.1 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU030358.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU030358.D (-362) (-)

2.32

6000

5000

4000

3000

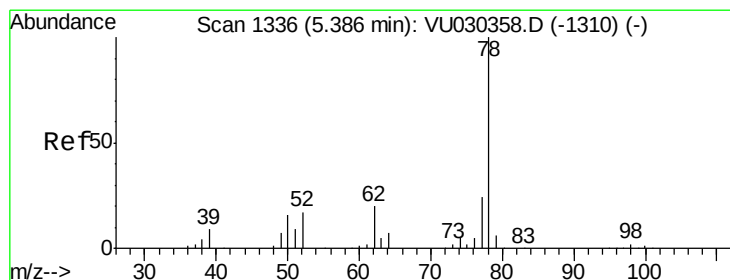
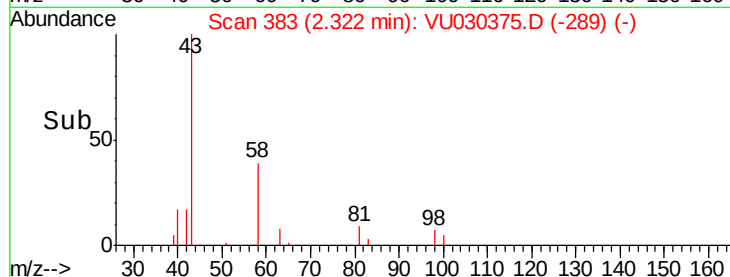
2000

1000

0

Time-->

2.25 2.30 2.35



#33

Benzene

Concen: 2.263 ug/L

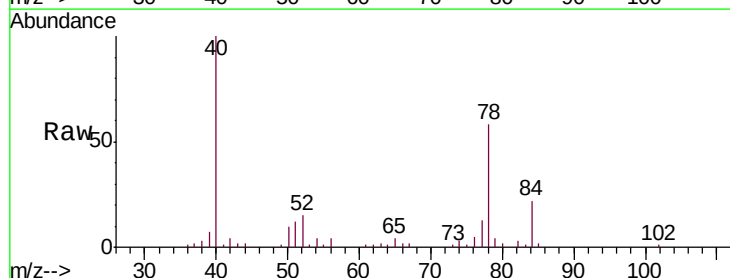
RT: 5.39 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU030375.D

Acq: 24 Mar 2019 17:01

Tgt Ion: 78 Resp: 27981



Abundance Ion 78.00 (77.70 to 78.70): VU030358.D (-1310) (-)

15000

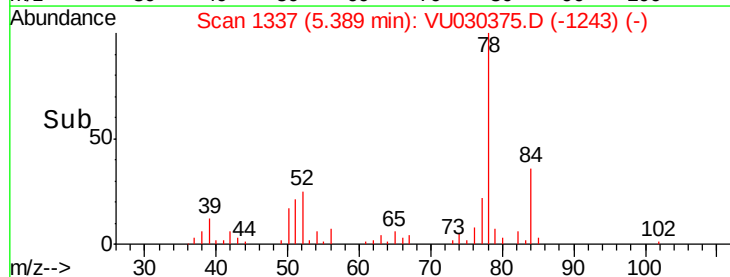
10000

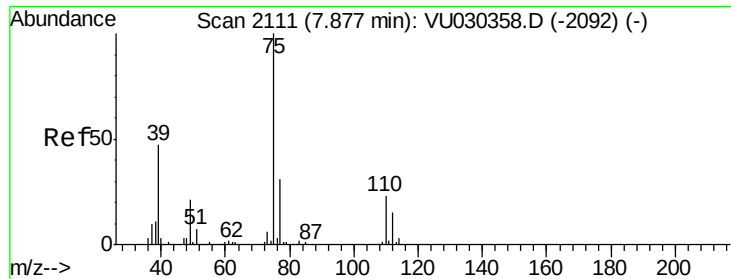
5000

0

Time-->

5.35 5.40 5.45





#44

trans-1,3-Dichloropropene

Concen: 0.621 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU030375.D

Acq: 24 Mar 2019 17:01

Instrument :

MSVOA_U

ClientSampleId :

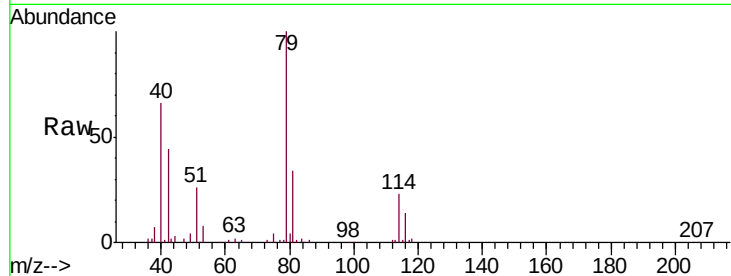
C0986

Tgt Ion: 75 Resp: 2757

Ion Ratio Lower Upper

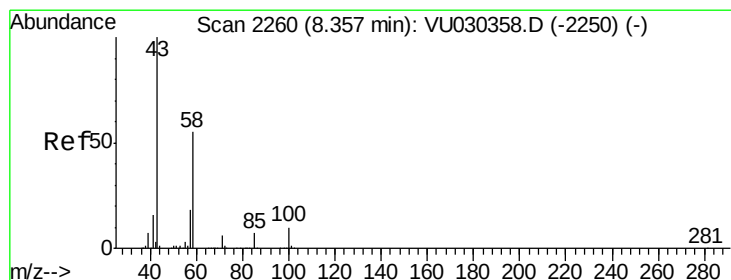
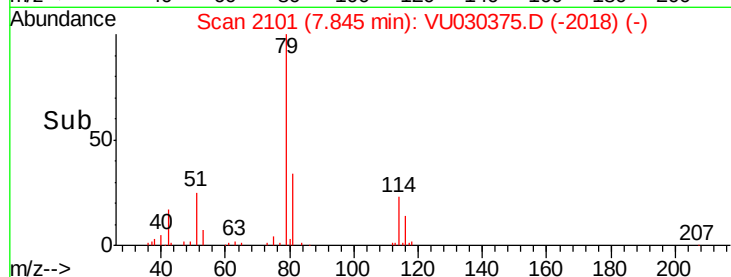
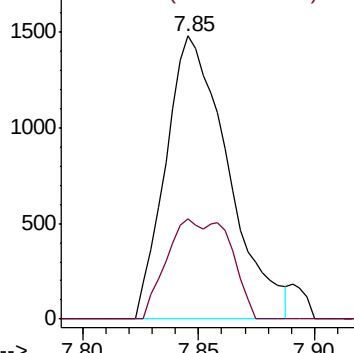
75 100

77 35.3 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#48

2-Hexanone

Concen: 4.398 ug/L

RT: 8.31 min Scan# 2245

Delta R.T. -0.05 min

Lab File: VU030375.D

Acq: 24 Mar 2019 17:01

Tgt Ion: 43 Resp: 21244

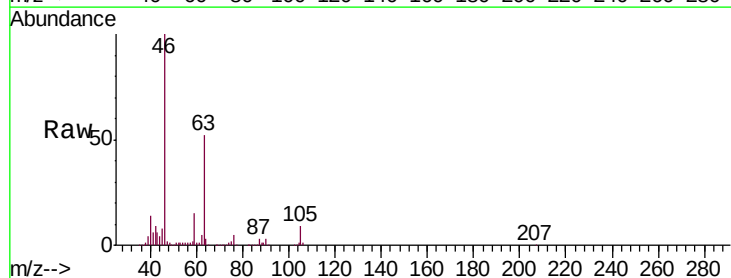
Ion Ratio Lower Upper

43 100

58 29.4 42.5 63.7#

57 26.1 15.0 22.6#

100 0.0 7.4 11.2#

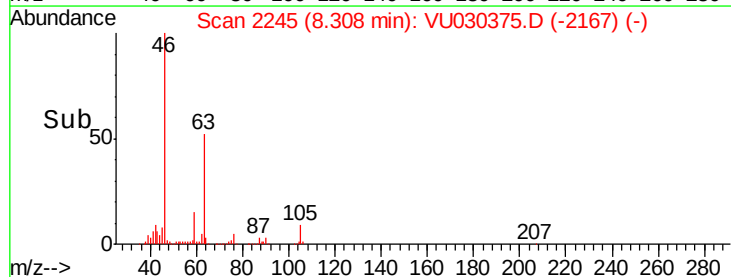
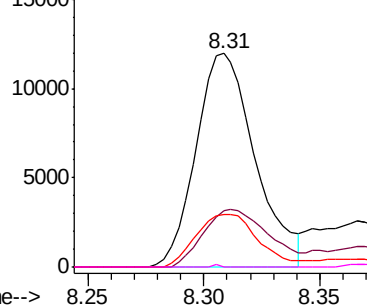


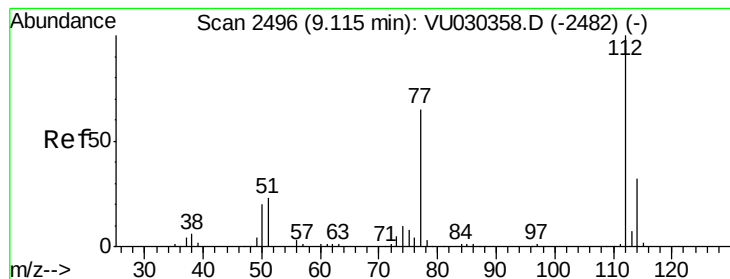
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#51

Chlorobenzene

Concen: 6.634 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU030375.D

Acq: 24 Mar 2019 17:01

Instrument :

MSVOA_U

ClientSampleId :

C0986

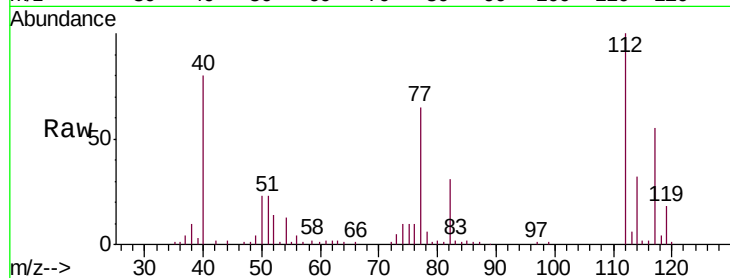
Tgt Ion: 112 Resp: 51592

Ion Ratio Lower Upper

112 100

114 32.0 21.5 39.9

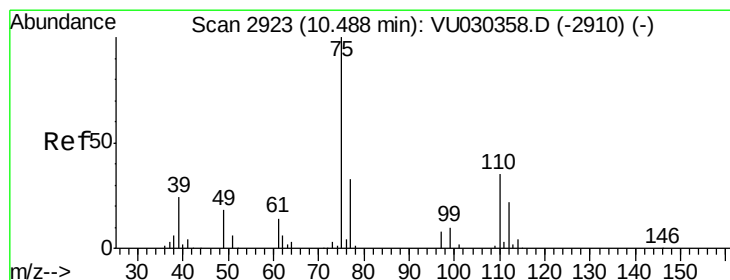
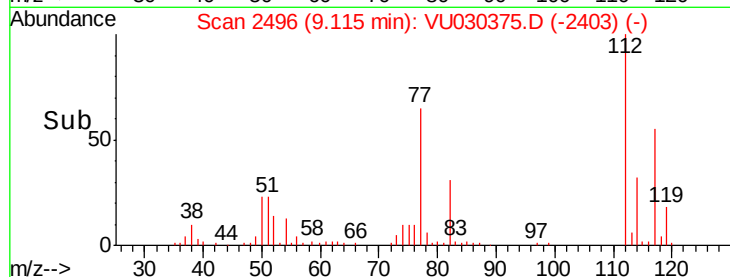
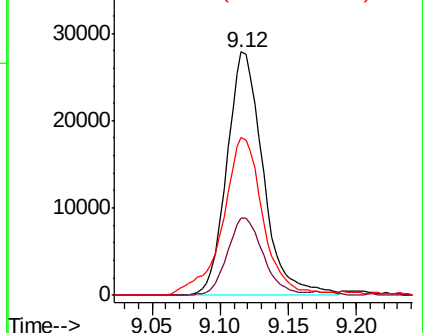
77 65.1 51.4 77.0



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): VU0



#59

1,2,3-Trichloropropane

Concen: 1.626 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.93 min

Lab File: VU030375.D

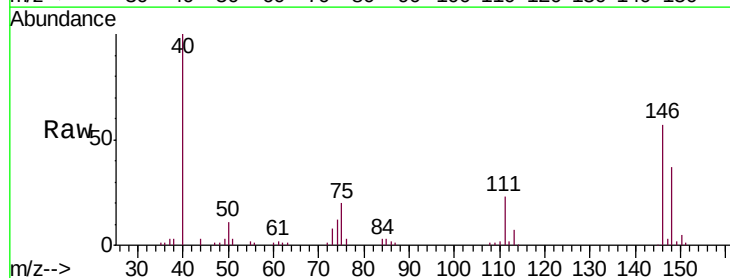
Acq: 24 Mar 2019 17:01

Tgt Ion: 75 Resp: 6945

Ion Ratio Lower Upper

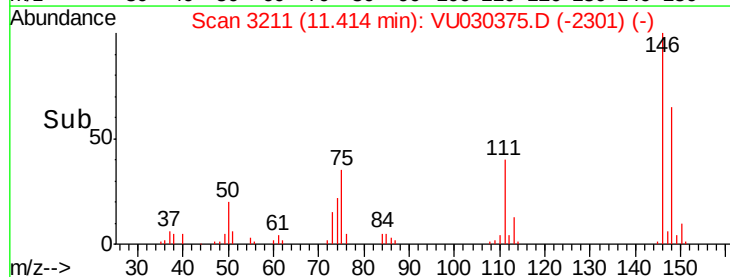
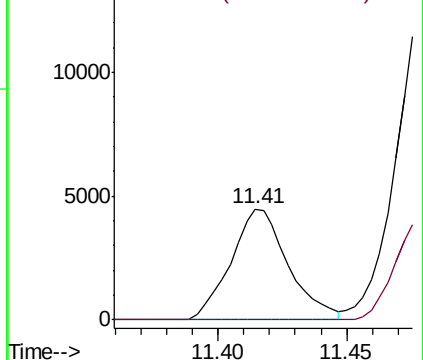
75 100

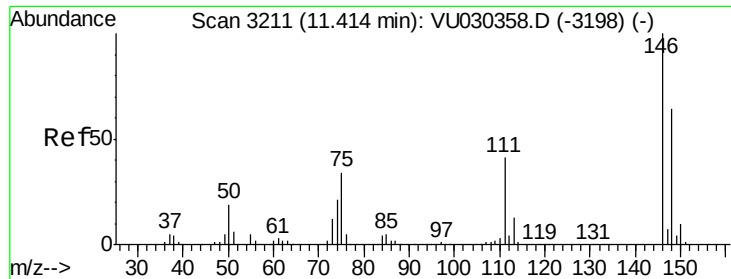
77 0.8 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 4.341 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030375.D

Acq: 24 Mar 2019 17:01

Instrument :

MSVOA_U

ClientSampled :

C0986

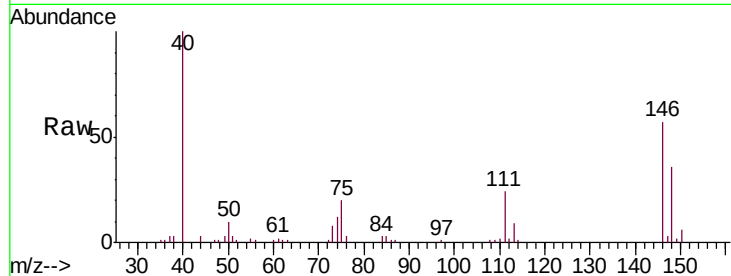
Tgt Ion:146 Resp: 20899

Ion Ratio Lower Upper

146 100

111 41.5 29.2 54.2

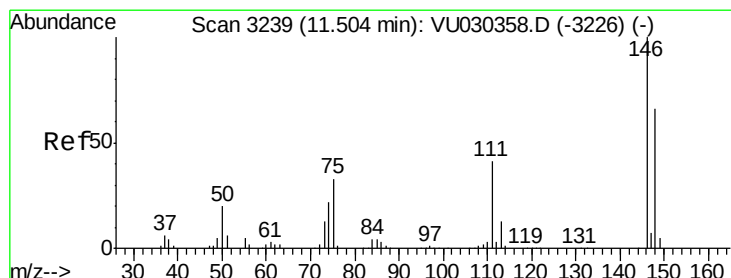
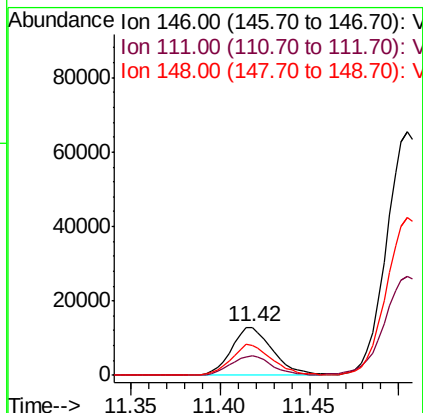
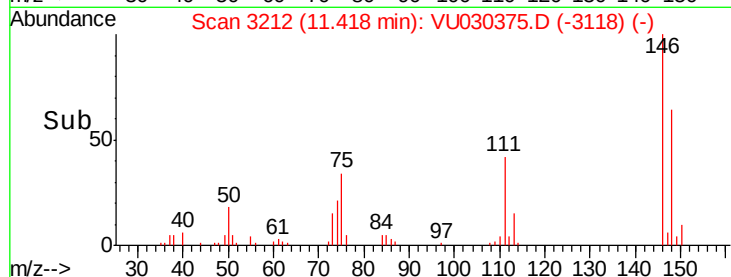
148 63.6 44.4 82.4



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



#63

1,4-Dichlorobenzene

Concen: 22.484 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU030375.D

Acq: 24 Mar 2019 17:01

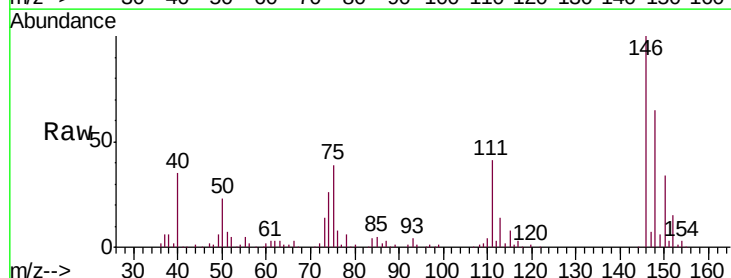
Tgt Ion:146 Resp: 111435

Ion Ratio Lower Upper

146 100

111 40.7 28.7 53.3

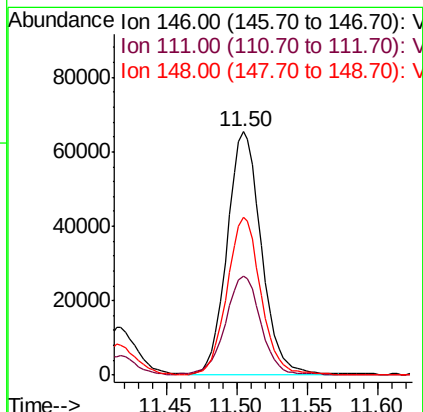
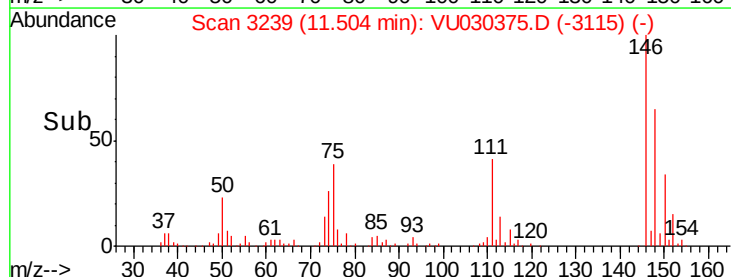
148 65.1 44.3 82.3

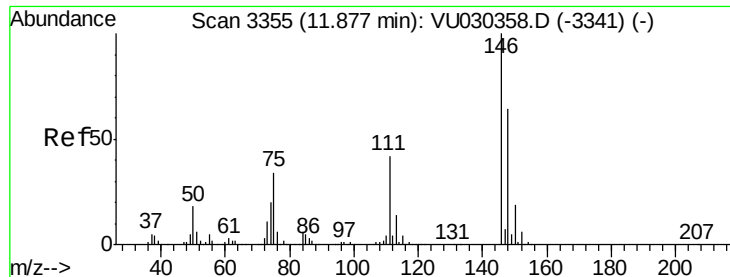


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

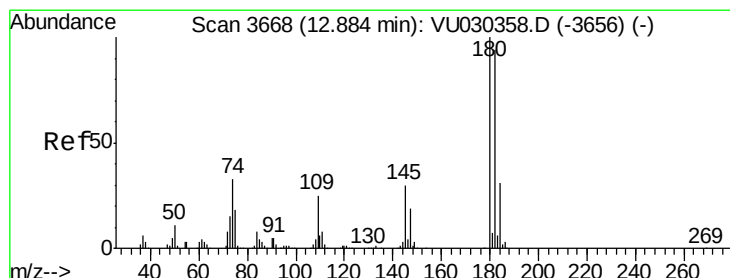
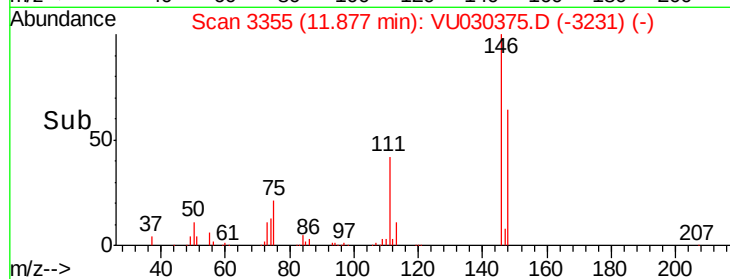
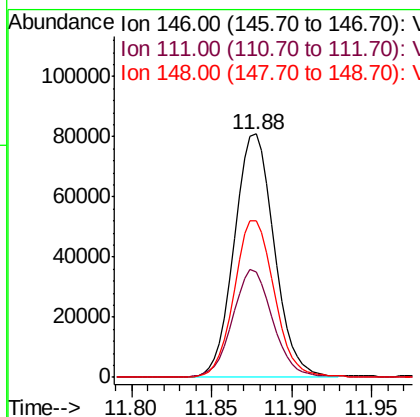
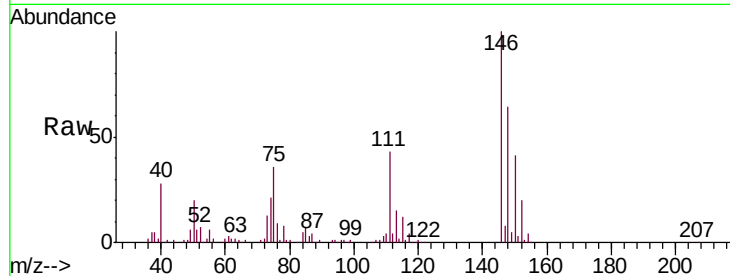




#65
 1,2-Dichlorobenzene
 Concen: 28.371 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030375.D
 Acq: 24 Mar 2019 17:01

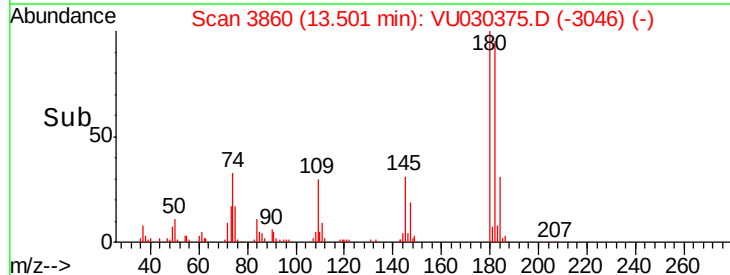
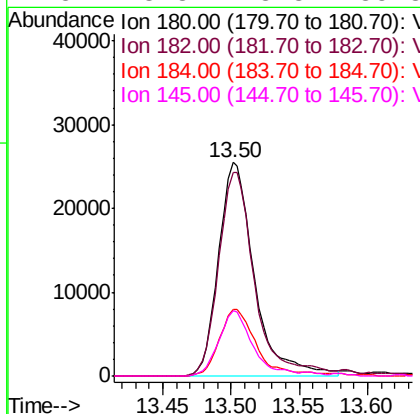
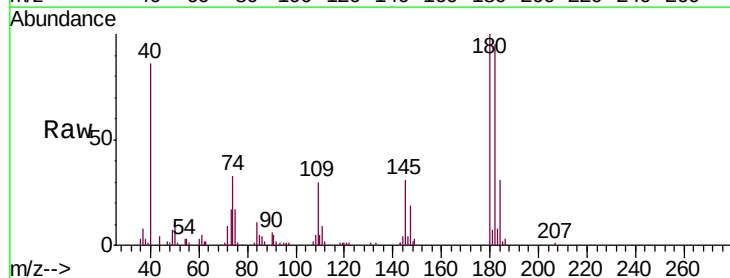
Instrument :
 MSVOA_U
 ClientSampled :
 C0986

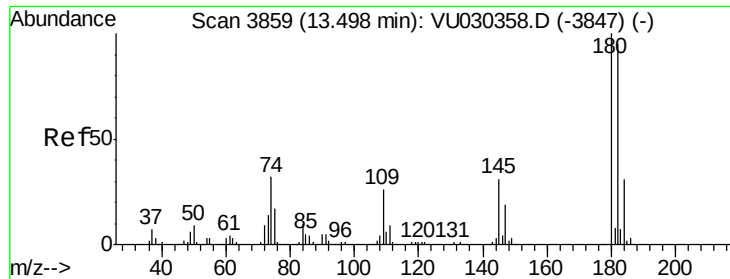
Tgt Ion:146 Resp: 138110
 Ion Ratio Lower Upper
 146 100
 111 43.2 34.9 52.3
 148 64.3 51.2 76.8



#67
 1,3,5-Trichlorobenzene
 Concen: 12.896 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.62 min
 Lab File: VU030375.D
 Acq: 24 Mar 2019 17:01

Tgt Ion:180 Resp: 46479
 Ion Ratio Lower Upper
 180 100
 182 93.2 75.9 113.9
 184 31.0 24.1 36.1
 145 28.8 23.8 35.8

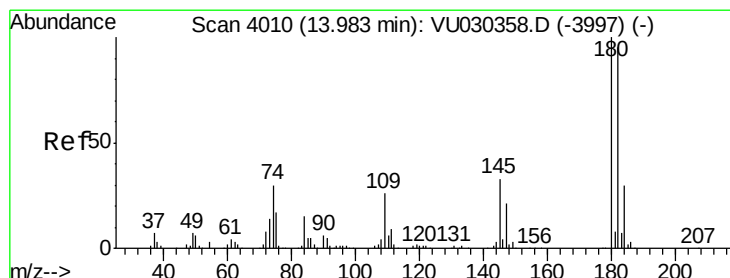
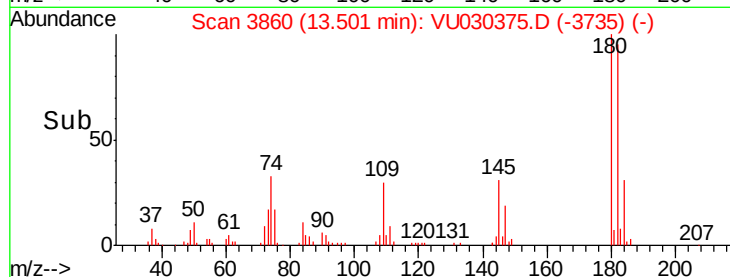
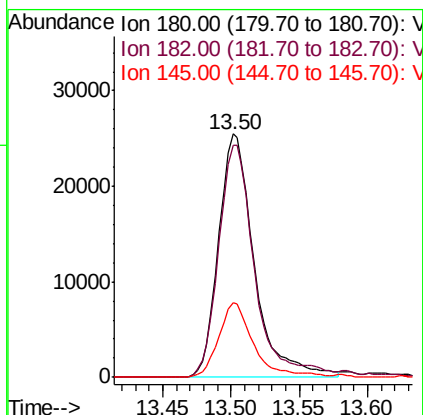
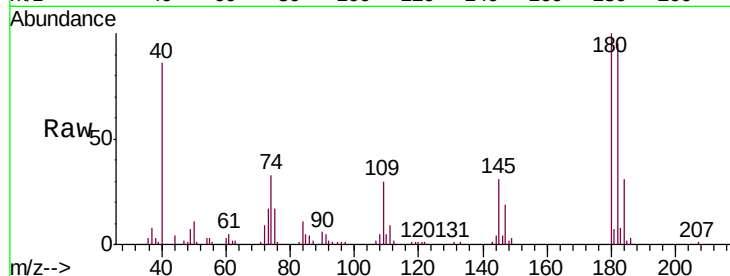




#68
 1,2,4-trichlorobenzene
 Concen: 14.842 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030375.D
 Acq: 24 Mar 2019 17:01

Instrument :
 MSVOA_U
 ClientSampleId :
 C0986

Tgt Ion:180 Resp: 46479
 Ion Ratio Lower Upper
 180 100
 182 93.2 76.1 114.1
 145 28.8 24.5 36.7



#70
 1,2,3-Trichlorobenzene
 Concen: 8.270 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU030375.D
 Acq: 24 Mar 2019 17:01

Tgt Ion:180 Resp: 27347
 Ion Ratio Lower Upper
 180 100
 182 98.5 77.4 116.2
 145 31.8 25.9 38.9

