

Data File : VU030444.D
Acq On : 26 Mar 2019 15:05
Operator : JC/SP
Sample : K2070-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09C6

Quant Time: Mar 27 04:35:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 04:29:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	424134	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	413525	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	187519	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	188323	55.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	110.34%
7) Chloroethane-d5	1.67	69	153619	56.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	113.56%
11) 1,1-Dichloroethene-d2	2.27	63	268988	41.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.08%
21) 2-Butanone-d5	4.17	46	332253	103.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.55%
24) Chloroform-d	4.65	84	319708	54.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.72%
26) 1,2-Dichloroethane-d4	5.31	65	213408	55.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.90%
32) Benzene-d6	5.34	84	647674	54.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.24%
36) 1,2-Dichloropropane-d6	6.33	67	231959	57.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	114.34%
41) Toluene-d8	7.56	98	562486	52.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.62%
43) trans-1,3-Dichloropropene-	7.85	79	98753	51.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.52%
47) 2-Hexanone-d5	8.31	63	211369	96.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.13%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	299391	51.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.14%
64) 1,2-Dichlorobenzene-d4	11.86	152	204341	54.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.78%

Target Compounds

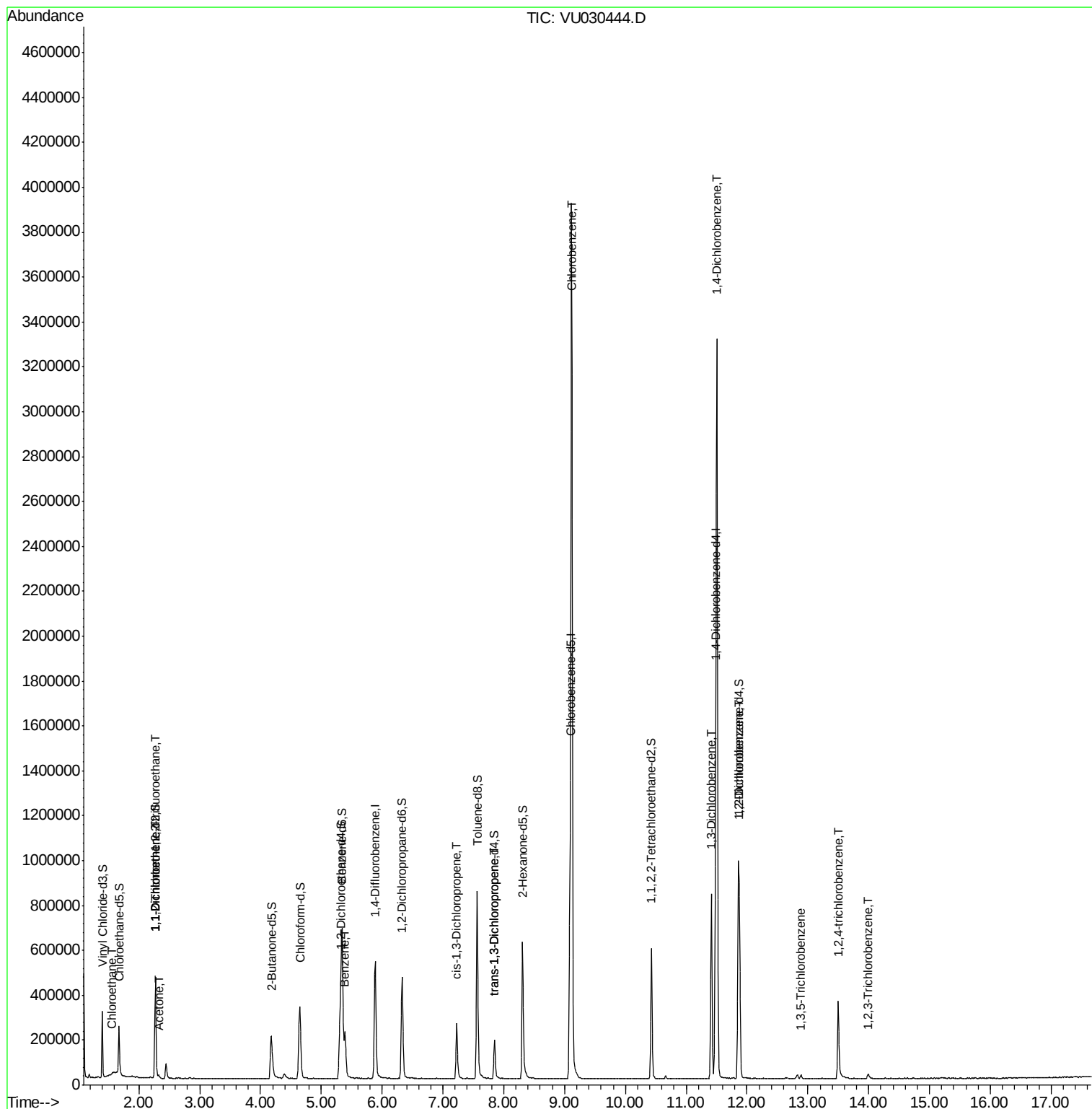
						Qvalue
8) Chloroethane	1.55	64	28031	10.004	ug/L #	49
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2070	0.669	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	2047	0.675	ug/L #	1
13) Acetone	2.32	43	11900	3.667	ug/L	94
33) Benzene	5.39	78	201530	14.316	ug/L	100
39) cis-1,3-Dichloropropene	7.23	75	5369	0.935	ug/L #	56
44) trans-1,3-Dichloropropene	7.85	75	3736	0.739	ug/L	85
51) Chlorobenzene	9.12	112	2007993	226.785	ug/L	97
62) 1,3-Dichlorobenzene	11.41	146	324073	52.846	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	1222712	193.678	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	244325	39.402	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	5718	1.246	ug/L	96
68) 1,2,4-trichlorobenzene	13.50	180	117288	29.404	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	6695	1.589	ug/L	84

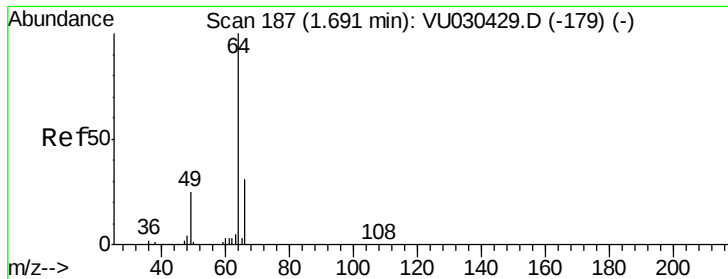
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 10.004 ug/L

RT: 1.55 min Scan# 142

Delta R.T. -0.14 min

Lab File: VU030444.D

Acq: 26 Mar 2019 15:05

Instrument :

MSVOA_U

ClientSampleId :

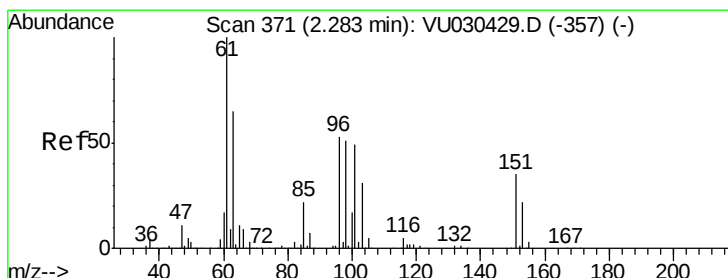
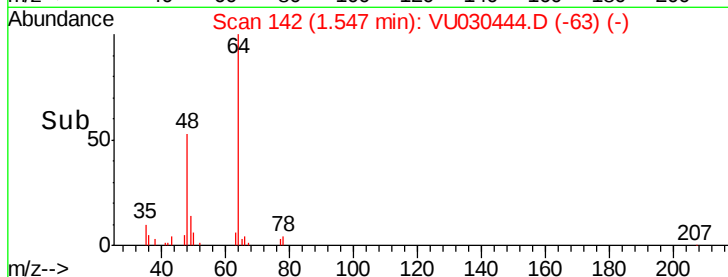
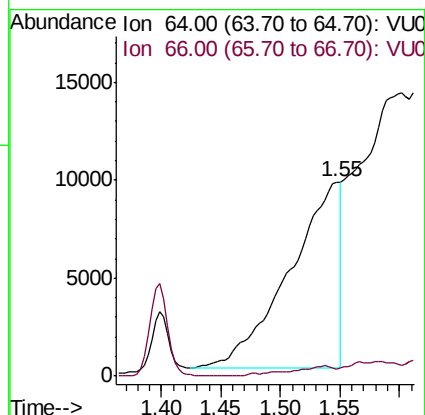
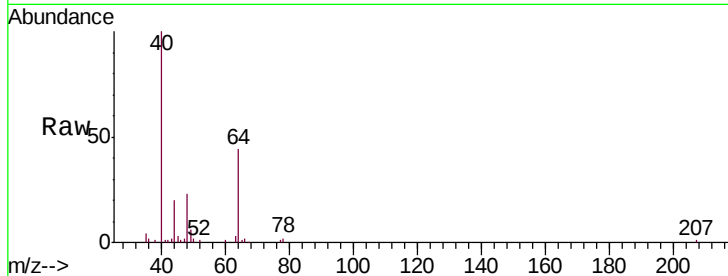
C09C6

Tgt Ion: 64 Resp: 28031

Ion Ratio Lower Upper

64 100

66 3.8 22.5 41.7#



#10

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

Concen: 0.669 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU030444.D

Acq: 26 Mar 2019 15:05

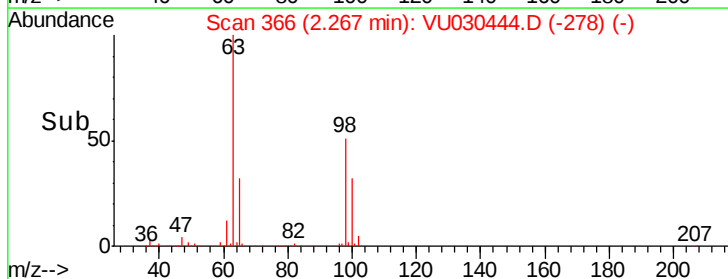
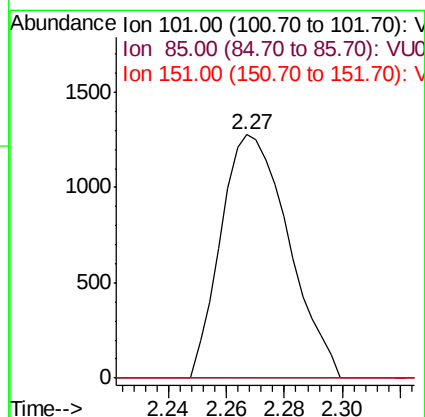
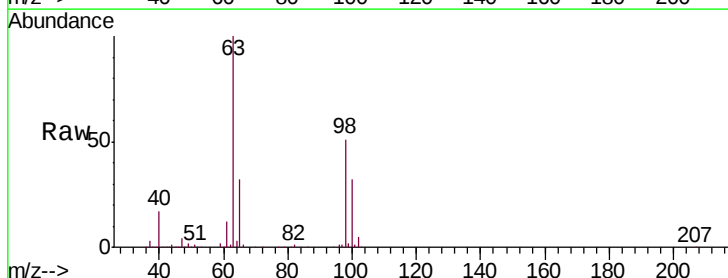
Tgt Ion: 101 Resp: 2070

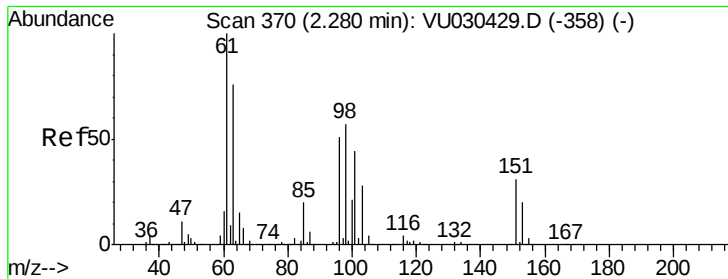
Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

151 0.0 56.6 85.0#





#12

1,1-Dichloroethene

Concen: 0.675 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU030444.D

Acq: 26 Mar 2019 15:05

Instrument :

MSVOA_U

ClientSampleId :

C09C6

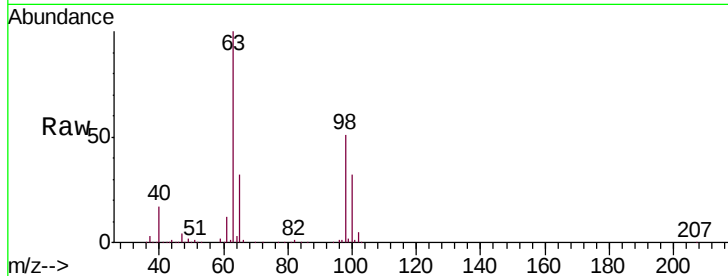
Tgt Ion: 96 Resp: 2047

Ion Ratio Lower Upper

96 100

61 1548.4 131.0 243.4#

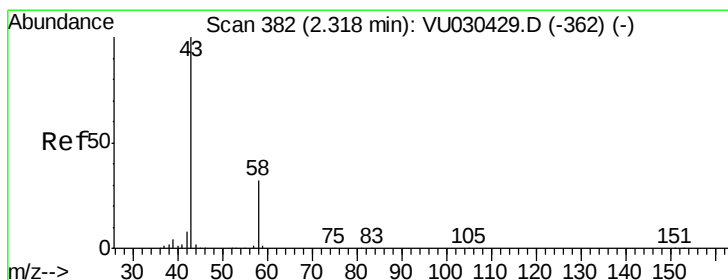
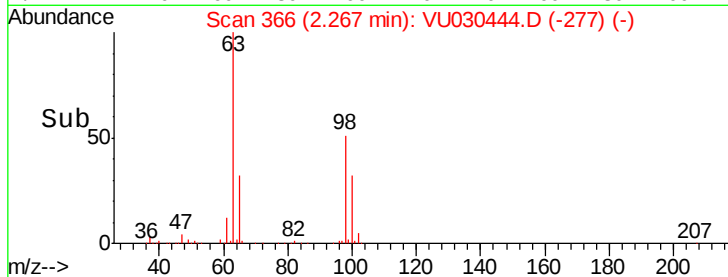
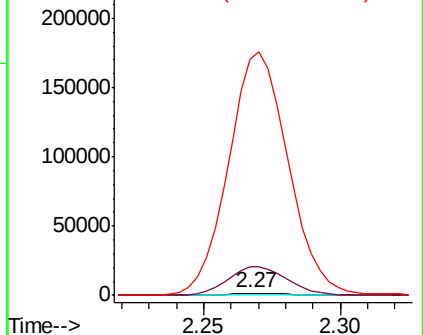
63 13055.4 92.4 171.6#



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: 3.667 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.01 min

Lab File: VU030444.D

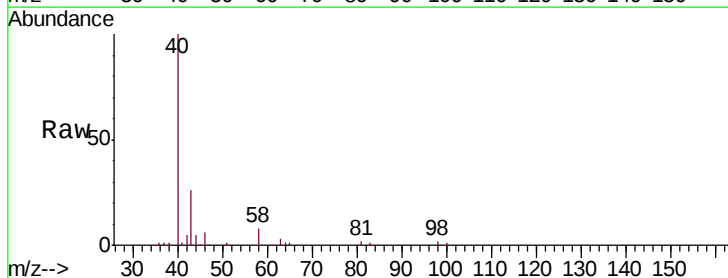
Acq: 26 Mar 2019 15:05

Tgt Ion: 43 Resp: 11900

Ion Ratio Lower Upper

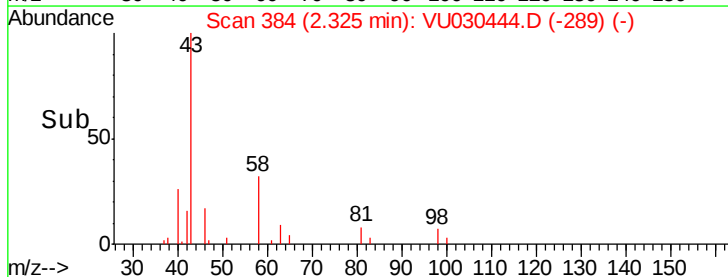
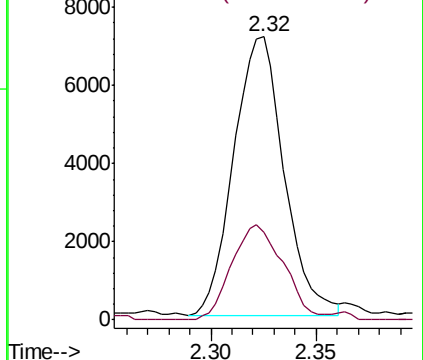
43 100

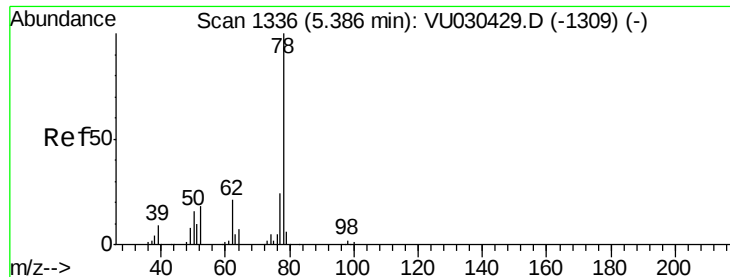
58 34.9 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

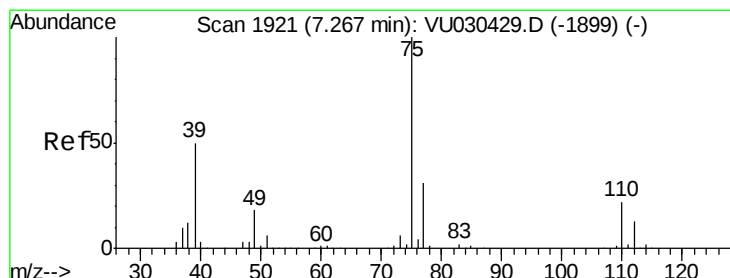
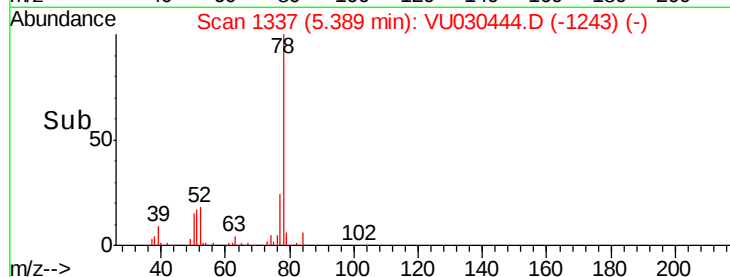
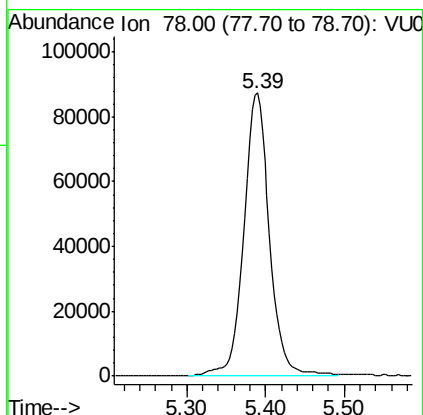
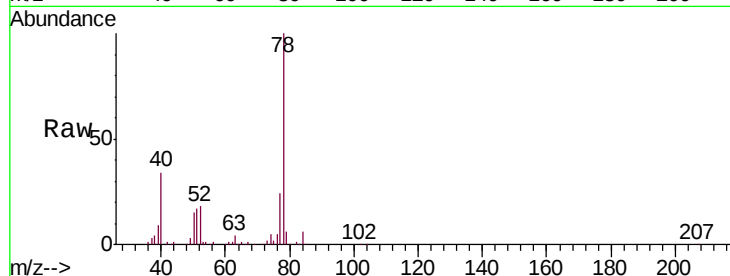




#33
Benzene
Concen: 14.316 ug/L
RT: 5.39 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU030444.D
Acq: 26 Mar 2019 15:05

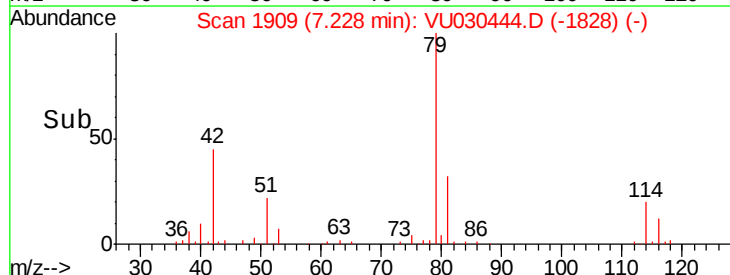
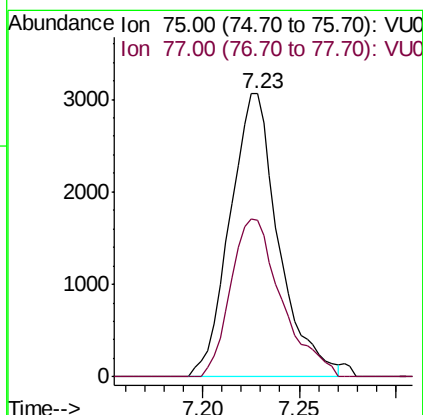
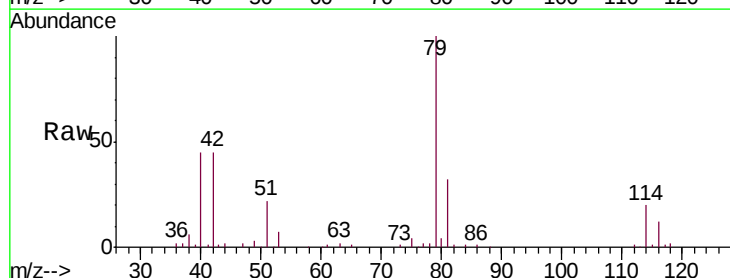
Instrument :
MSVOA_U
ClientSampleId :
C09C6

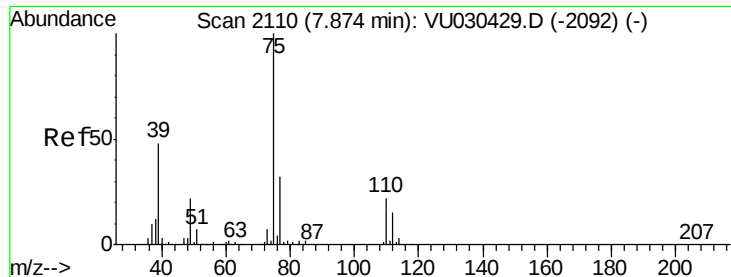
Tgt Ion: 78 Resp: 201530



#39
cis-1,3-Dichloropropene
Concen: 0.935 ug/L
RT: 7.23 min Scan# 1909
Delta R.T. -0.04 min
Lab File: VU030444.D
Acq: 26 Mar 2019 15:05

Tgt Ion: 75 Resp: 5369
Ion Ratio Lower Upper
75 100
77 55.2 21.8 40.6#





#44

trans-1,3-Dichloropropene

Concen: 0.739 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU030444.D

Acq: 26 Mar 2019 15:05

Instrument :

MSVOA_U

ClientSampleId :

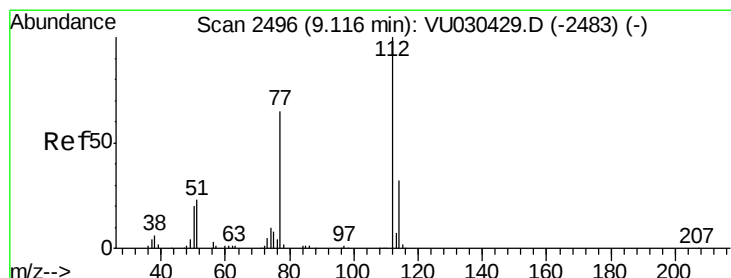
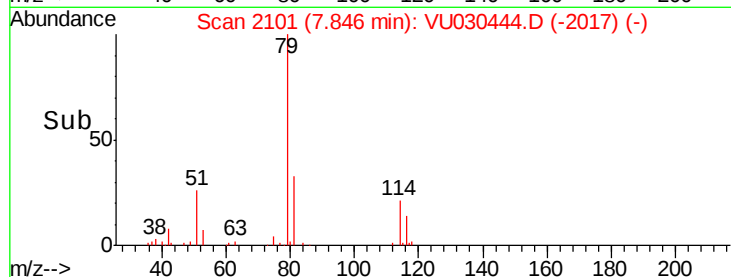
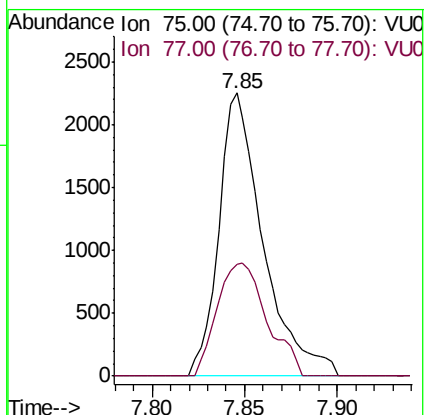
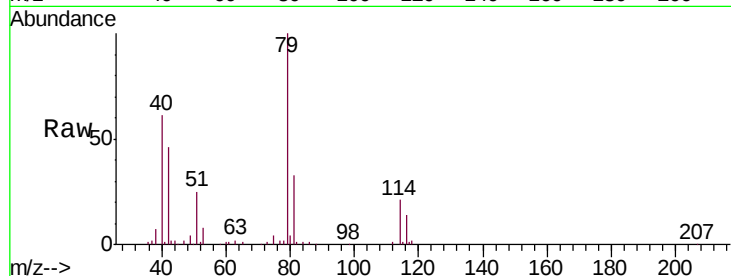
C09C6

Tgt Ion: 75 Resp: 3736

Ion Ratio Lower Upper

75 100

77 39.4 22.0 40.8



#51

Chlorobenzene

Concen: 226.785 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU030444.D

Acq: 26 Mar 2019 15:05

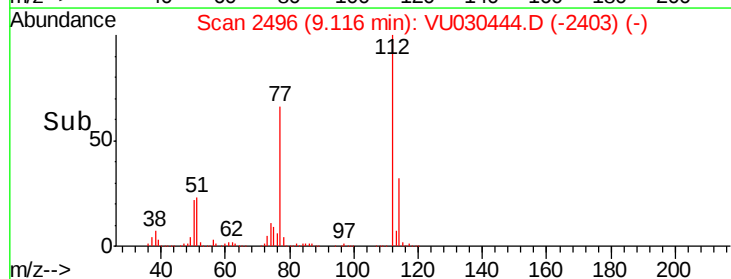
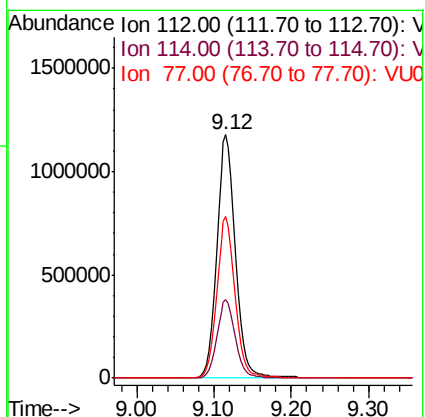
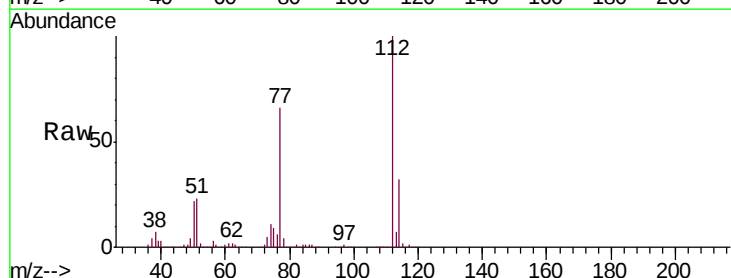
Tgt Ion: 112 Resp: 2007993

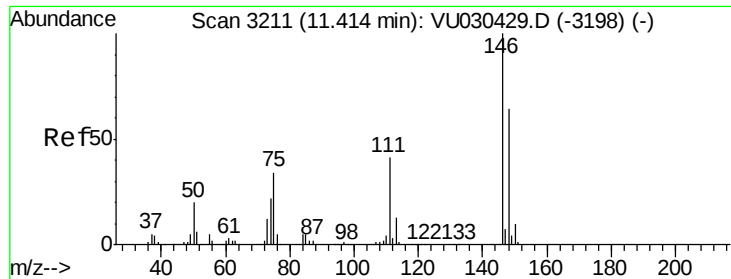
Ion Ratio Lower Upper

112 100

114 32.2 21.5 39.9

77 66.3 51.4 77.0





#62

1,3-Dichlorobenzene

Concen: 52.846 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU030444.D

Acq: 26 Mar 2019 15:05

Instrument :

MSVOA_U

ClientSampleId :

C09C6

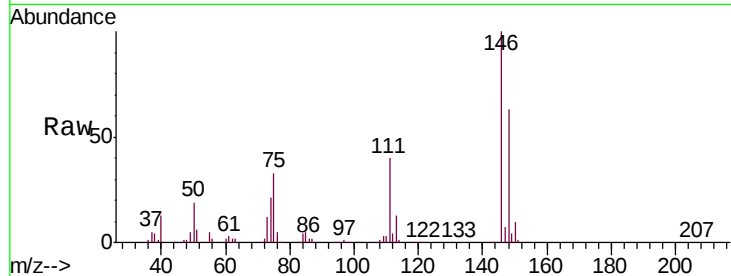
Tgt Ion:146 Resp: 324073

Ion Ratio Lower Upper

146 100

111 40.3 29.2 54.2

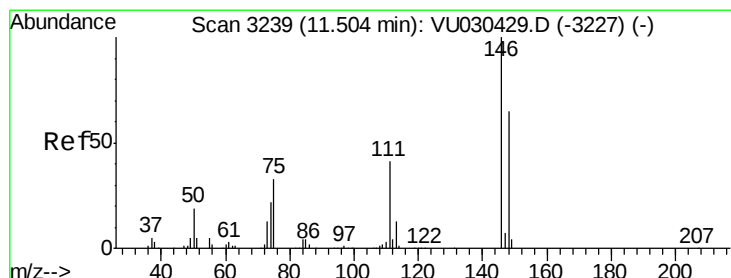
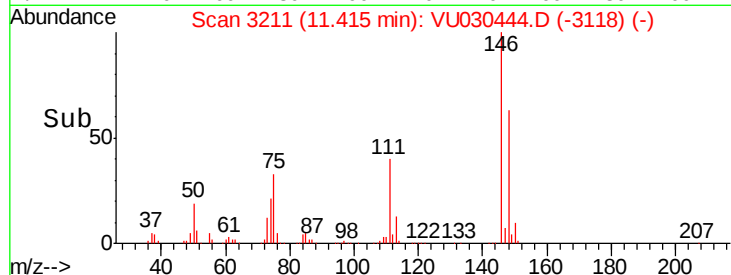
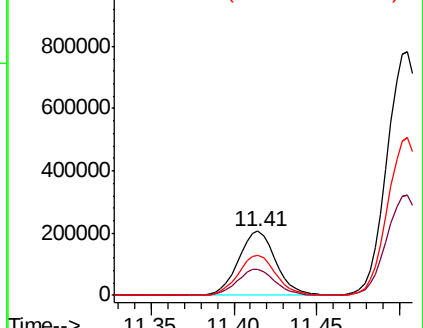
148 63.3 44.4 82.4



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: 193.678 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU030444.D

Acq: 26 Mar 2019 15:05

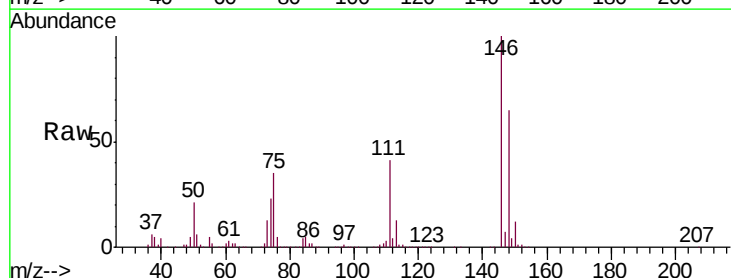
Tgt Ion:146 Resp: 1222712

Ion Ratio Lower Upper

146 100

111 41.0 28.7 53.3

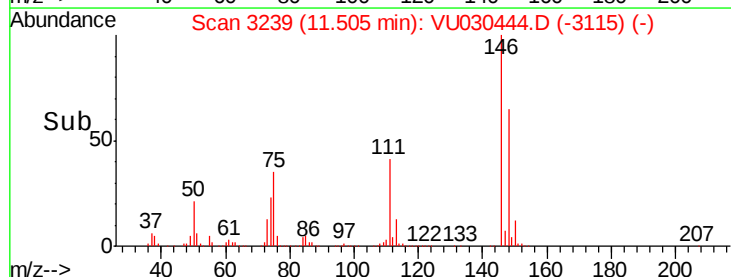
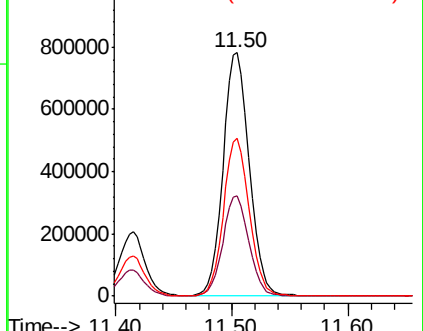
148 64.7 44.3 82.3

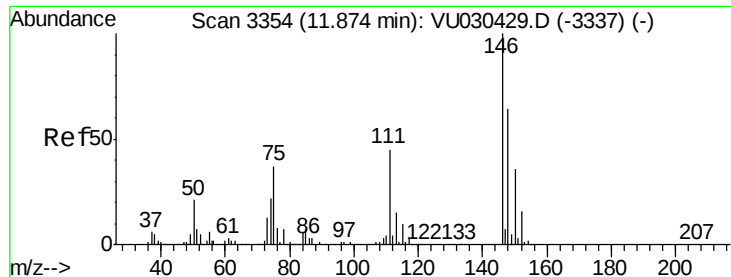


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

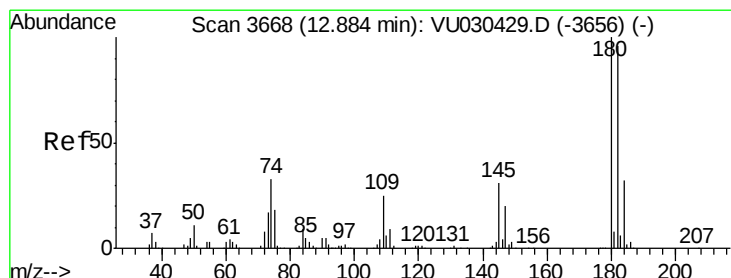
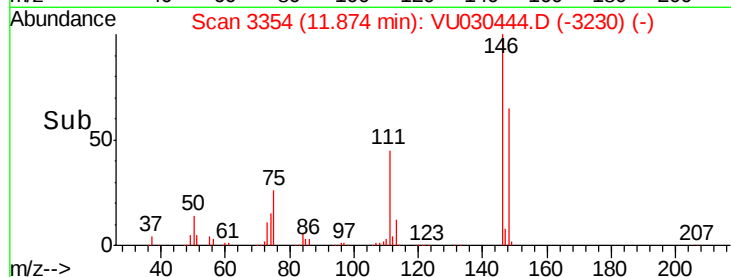
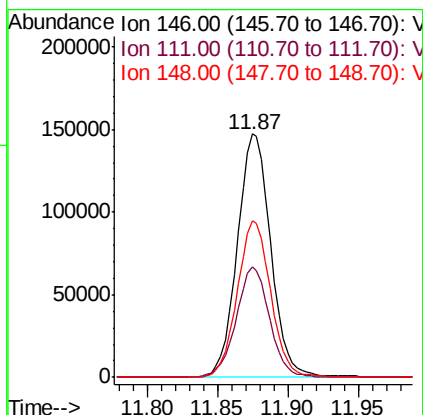
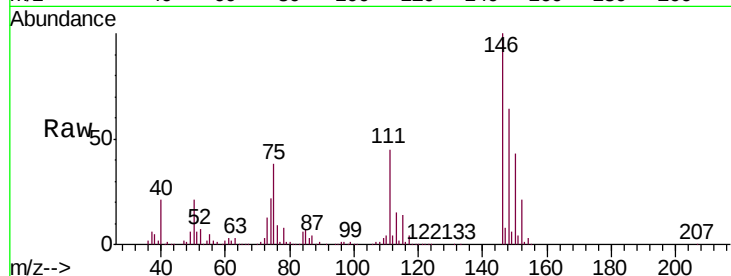




#65
 1,2-Dichlorobenzene
 Concen: 39.402 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU030444.D
 Acq: 26 Mar 2019 15:05

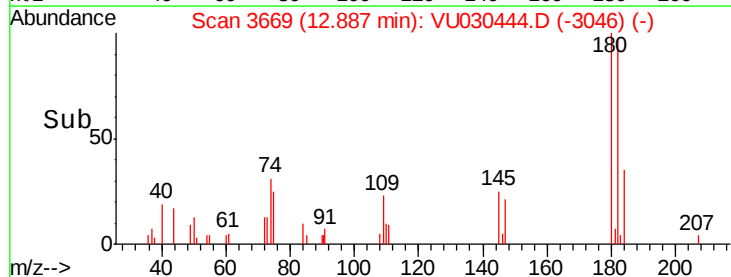
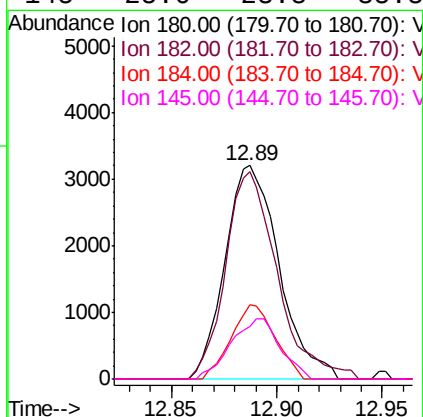
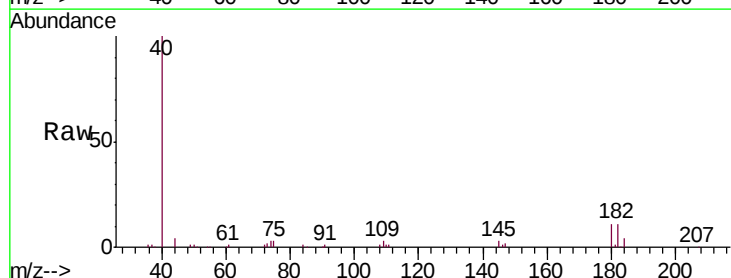
Instrument :
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 C09C6

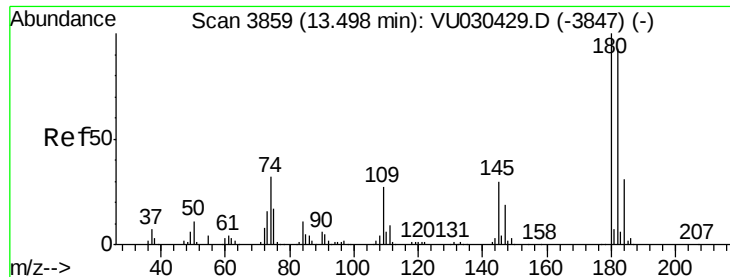
Tgt Ion:146 Resp: 244325
 Ion Ratio Lower Upper
 146 100
 111 45.4 34.9 52.3
 148 64.3 51.2 76.8



#67
 1,3,5-Trichlorobenzene
 Concen: 1.246 ug/L
 RT: 12.89 min Scan# 3669
 Delta R.T. 0.00 min
 Lab File: VU030444.D
 Acq: 26 Mar 2019 15:05

Tgt Ion:180 Resp: 5718
 Ion Ratio Lower Upper
 180 100
 182 92.5 75.9 113.9
 184 28.2 24.1 36.1
 145 25.6 23.8 35.8

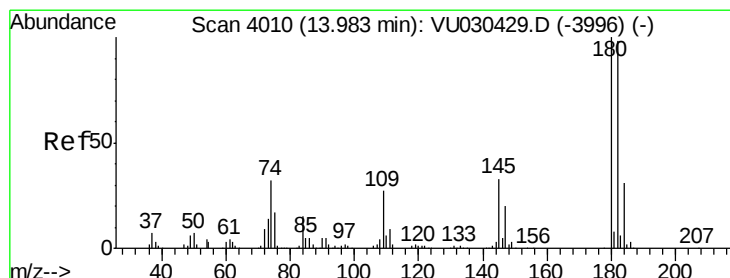
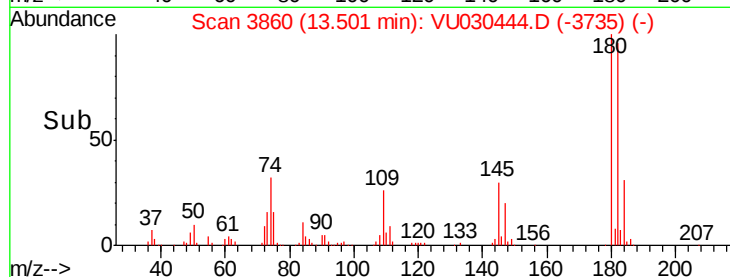
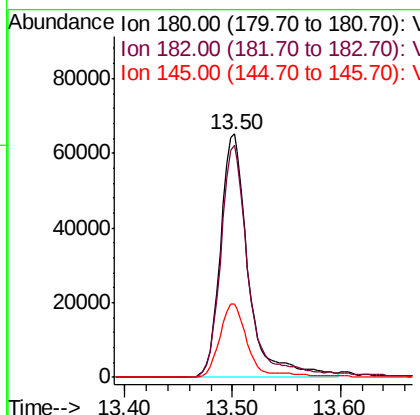
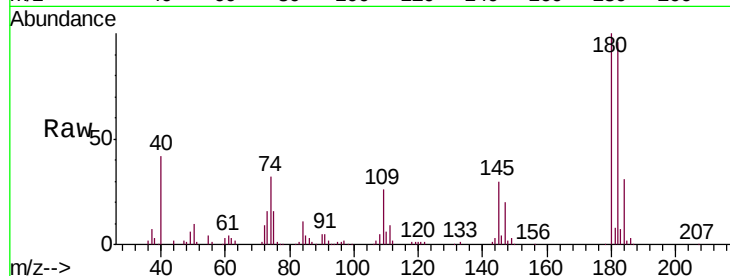




#68
 1,2,4-trichlorobenzene
 Concen: 29.404 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030444.D
 Acq: 26 Mar 2019 15:05

Instrument :
 MSVOA_U
 ClientSampleId :
 C09C6

Tgt Ion:180 Resp: 117288
 Ion Ratio Lower Upper
 180 100
 182 94.4 76.1 114.1
 145 28.7 24.5 36.7



#70
 1,2,3-Trichlorobenzene
 Concen: 1.589 ug/L
 RT: 13.99 min Scan# 4013
 Delta R.T. 0.01 min
 Lab File: VU030444.D
 Acq: 26 Mar 2019 15:05

Tgt Ion:180 Resp: 6695
 Ion Ratio Lower Upper
 180 100
 182 114.7 77.4 116.2
 145 37.4 25.9 38.9

