

Data File : VU030388.D
Acq On : 25 Mar 2019 00:52
Operator : JC/SP
Sample : K2016-20
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09F0

Quant Time: Mar 25 05:52:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 25 05:48:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	395174	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	381218	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	172256	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	130549	41.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.10%
7) Chloroethane-d5	1.68	69	110580	43.87	ug/L	0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.74%
11) 1,1-Dichloroethene-d2	2.27	63	194252	32.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.40%
21) 2-Butanone-d5	4.17	46	278133	93.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.03%
24) Chloroform-d	4.64	84	248316	45.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.64%
26) 1,2-Dichloroethane-d4	5.31	65	169132	47.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.34%
32) Benzene-d6	5.34	84	517831	47.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.74%
36) 1,2-Dichloropropane-d6	6.33	67	184530	49.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.66%
41) Toluene-d8	7.56	98	454608	46.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.60%
43) trans-1,3-Dichloropropene-	7.85	79	69687	39.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.24%
47) 2-Hexanone-d5	8.31	63	176453	87.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.06%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	245648	45.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	42	0.01	ug/L	-0.21
Spiked Amount	50.000	Range	80 - 120	Recovery	=	0.02%#

Target Compounds

						Qvalue
8) Chloroethane	1.59	64	2437	0.934	ug/L #	43
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1631	0.566	ug/L #	21
13) Acetone	2.32	43	9726	3.217	ug/L	97
44) trans-1,3-Dichloropropene	7.85	75	2857	0.613	ug/L	86
51) Chlorobenzene	9.12	112	1665463	204.040	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	197979	35.145	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	497905	85.856	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	2829955	496.824	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.63	75	10244	8.077	ug/L #	6
67) 1,3,5-Trichlorobenzene	12.89	180	6409	1.520	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	1137342	310.393	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	312429	80.747	ug/L	99

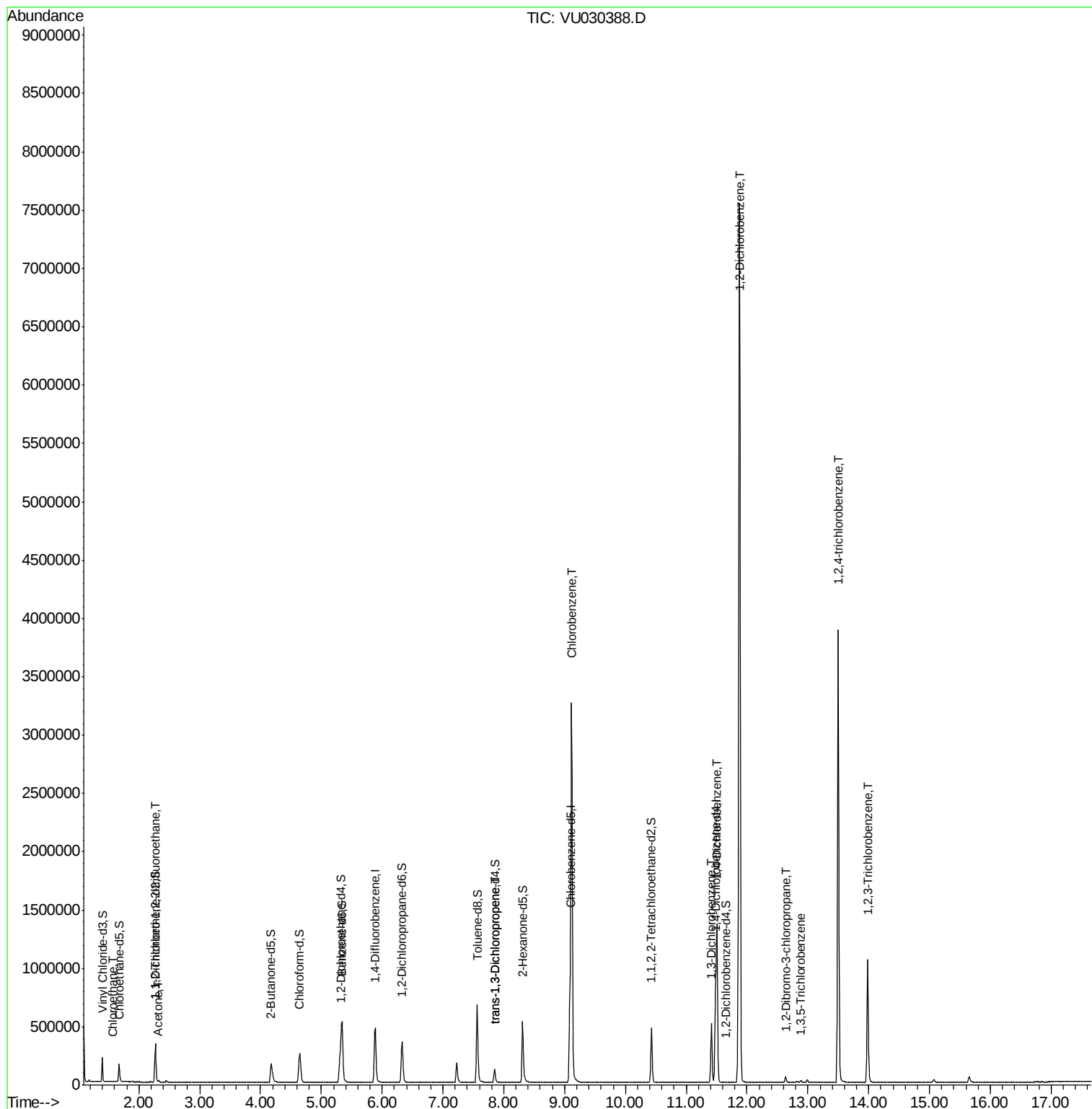
(#) = qualifier out of range (m) = manual integration (+) = signals summed

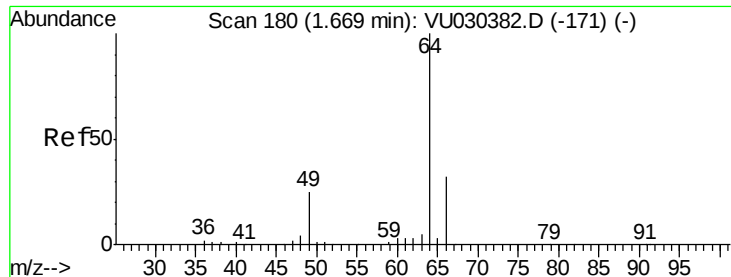
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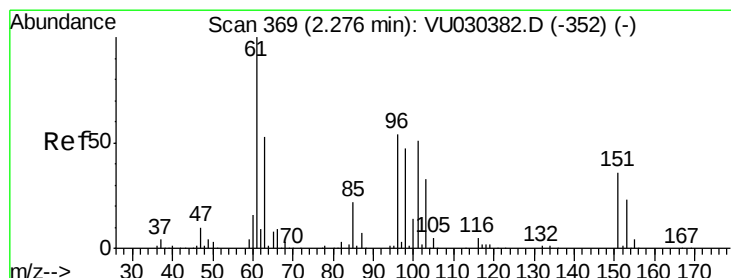
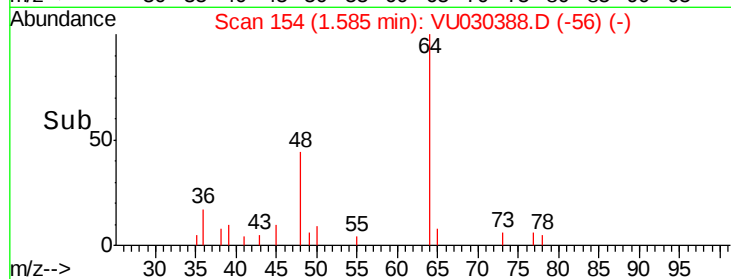
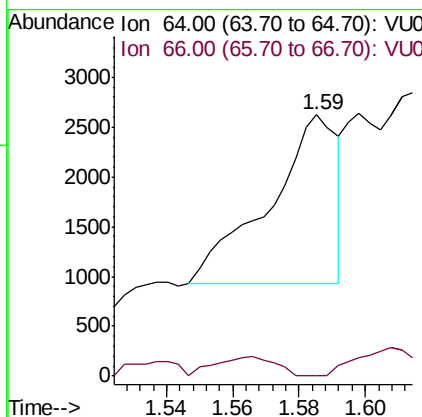
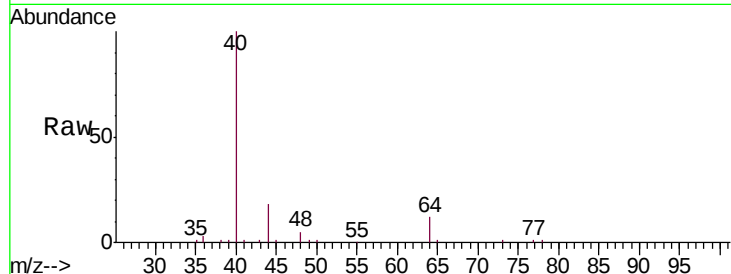




#8
Chloroethane
Concen: 0.934 ug/L
RT: 1.59 min Scan# 154
Delta R.T. -0.08 min
Lab File: VU030388.D
Acq: 25 Mar 2019 00:52

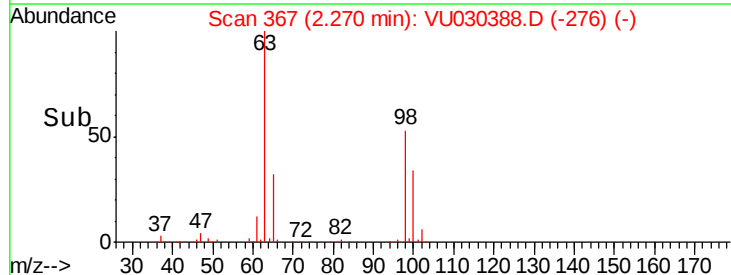
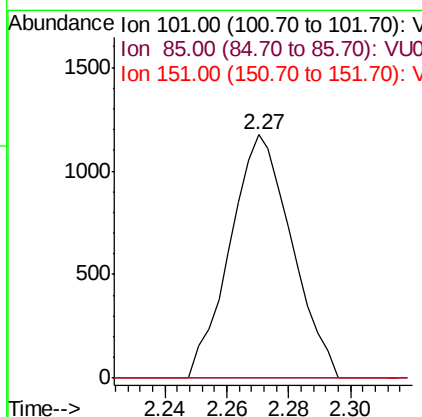
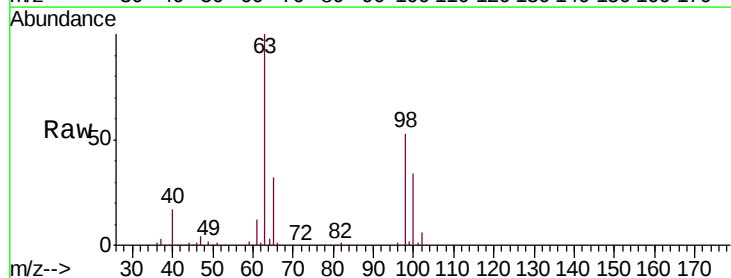
Instrument :
MSVOA_U
ClientSampleId :
C09F0

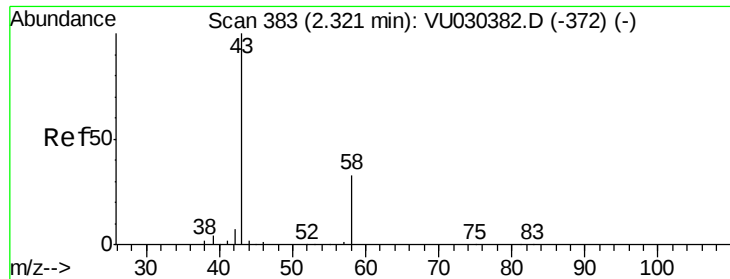
Tgt Ion: 64 Resp: 2437
Ion Ratio Lower Upper
64 100
66 0.0 22.5 41.7#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.566 ug/L
RT: 2.27 min Scan# 367
Delta R.T. -0.01 min
Lab File: VU030388.D
Acq: 25 Mar 2019 00:52

Tgt Ion: 101 Resp: 1631
Ion Ratio Lower Upper
101 100
85 0.0 34.8 52.2#
151 0.0 56.6 85.0#





#13

Acetone

Concen: 3.217 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030388.D

Acq: 25 Mar 2019 00:52

Instrument :

MSVOA_U

ClientSampleId :

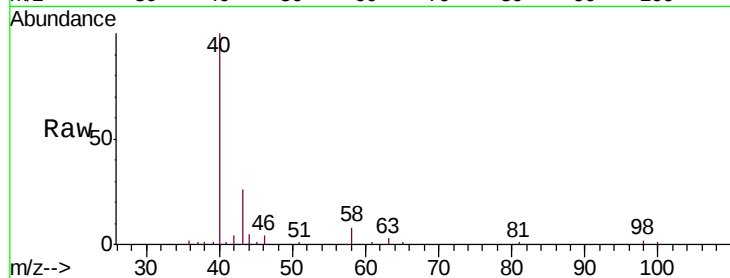
C09F0

Tgt Ion: 43 Resp: 9726

Ion Ratio Lower Upper

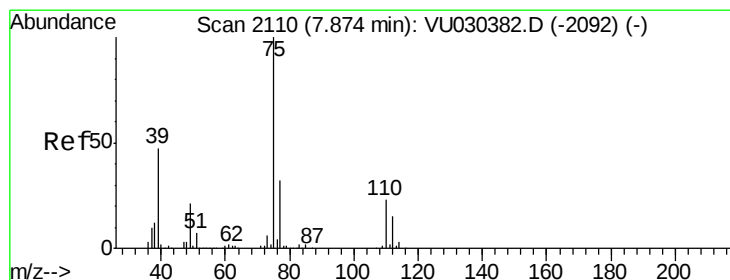
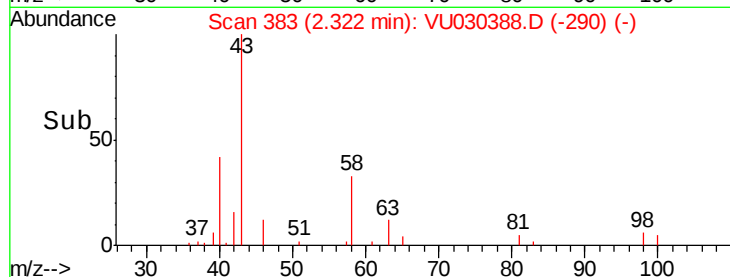
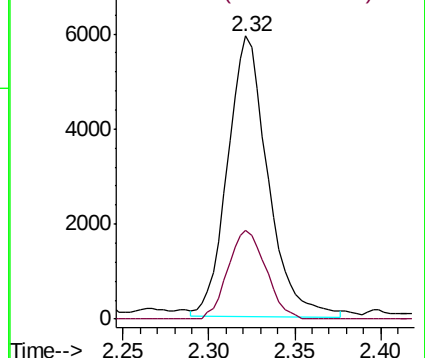
43 100

58 29.6 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.613 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030388.D

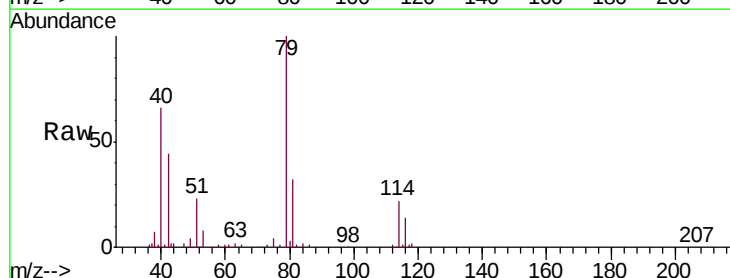
Acq: 25 Mar 2019 00:52

Tgt Ion: 75 Resp: 2857

Ion Ratio Lower Upper

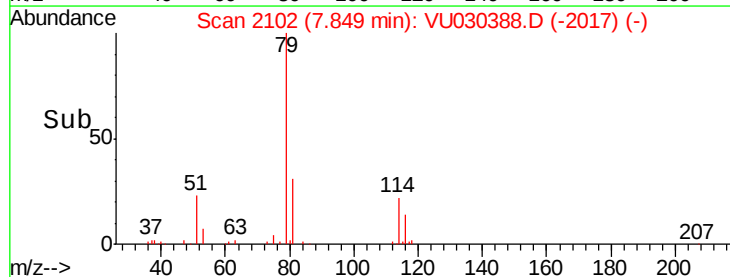
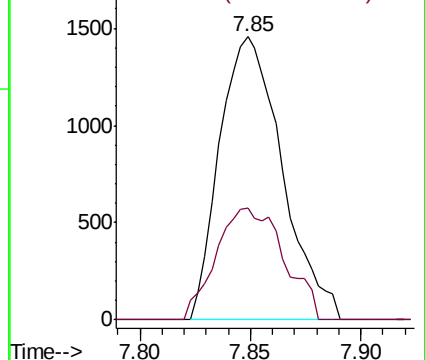
75 100

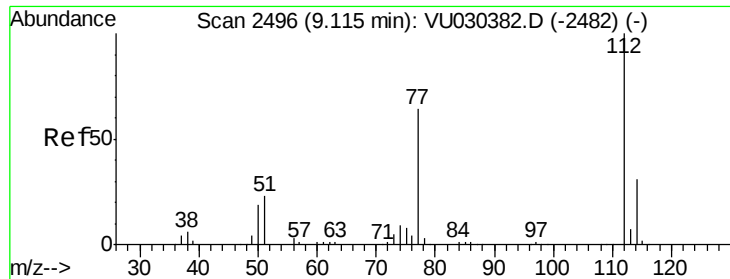
77 39.4 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#51

Chlorobenzene

Concen: 204.040 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU030388.D

Acq: 25 Mar 2019 00:52

Instrument :
MSVOA_U
ClientSampled :
C09F0

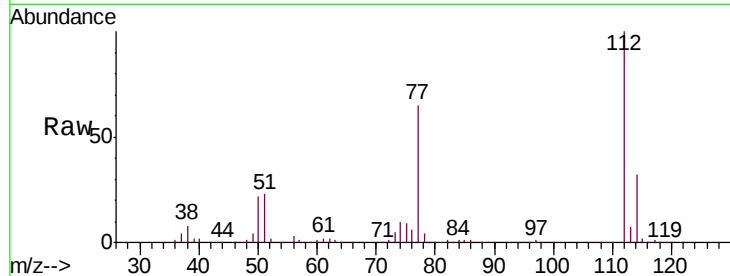
Tgt Ion:112 Resp: 1665463

Ion Ratio Lower Upper

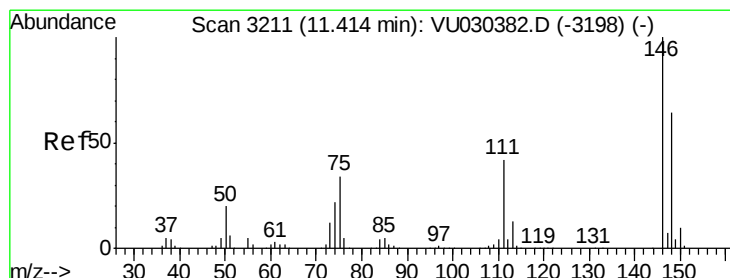
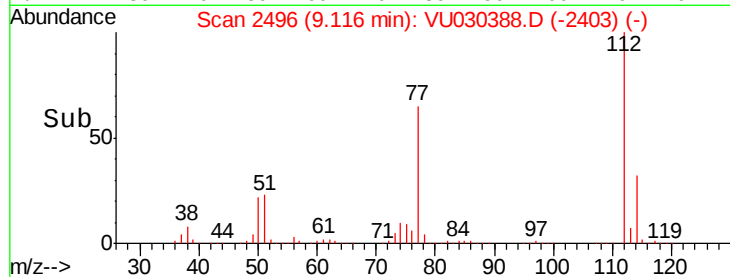
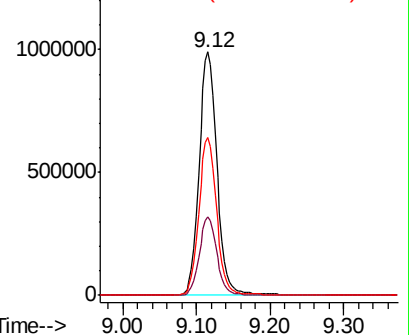
112 100

114 32.1 21.5 39.9

77 64.8 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): V



#62

1,3-Dichlorobenzene

Concen: 35.145 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU030388.D

Acq: 25 Mar 2019 00:52

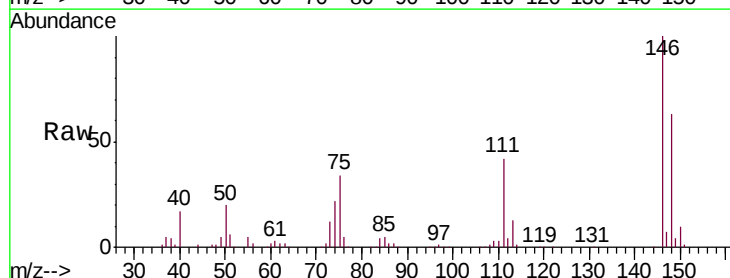
Tgt Ion:146 Resp: 197979

Ion Ratio Lower Upper

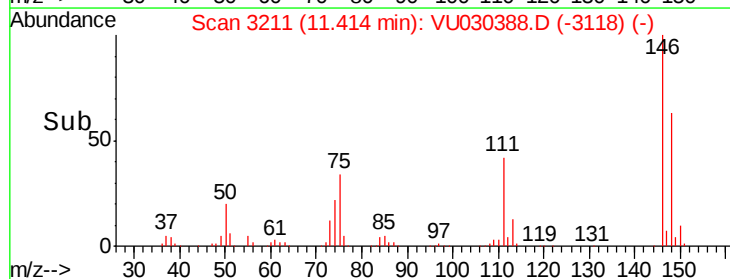
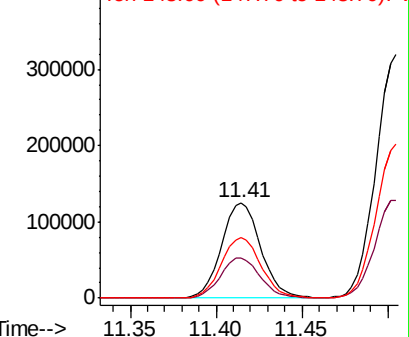
146 100

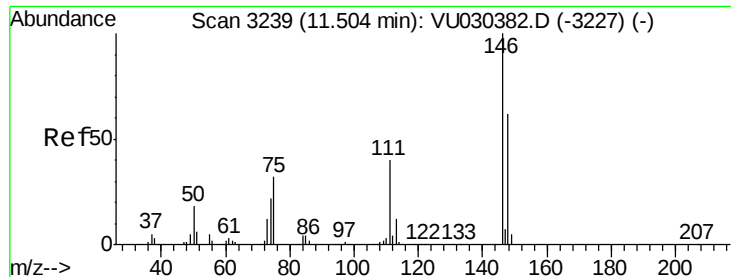
111 42.3 29.2 54.2

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: 85.856 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU030388.D

Acq: 25 Mar 2019 00:52

Instrument :

MSVOA_U

ClientSampled :

C09F0

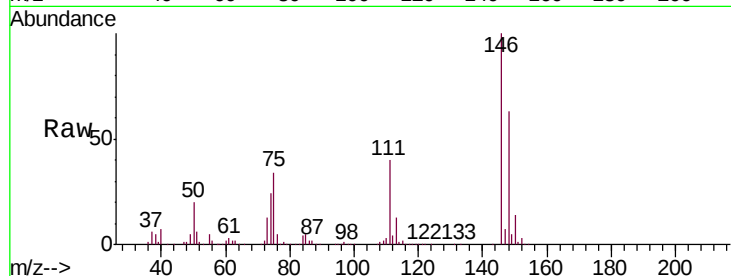
Tgt Ion:146 Resp: 497905

Ion Ratio Lower Upper

146 100

111 40.1 28.7 53.3

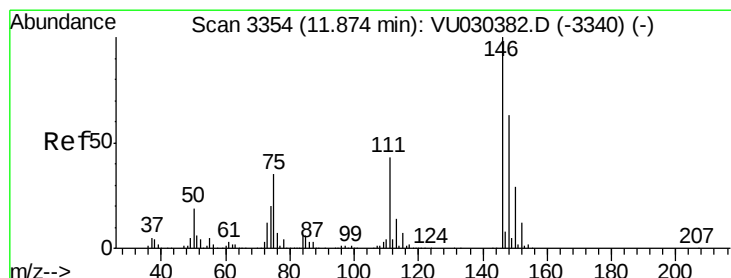
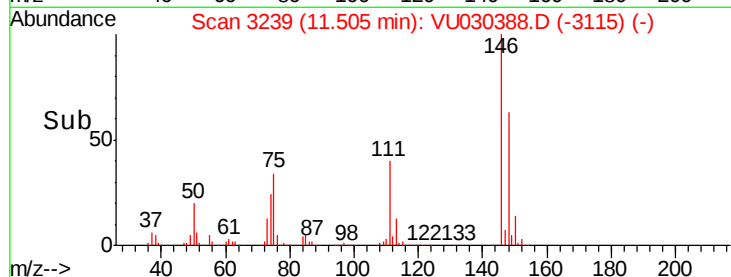
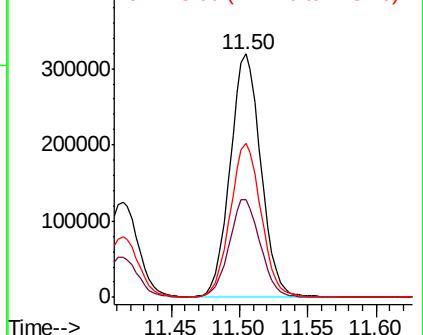
148 63.2 44.3 82.3



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: 496.824 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU030388.D

Acq: 25 Mar 2019 00:52

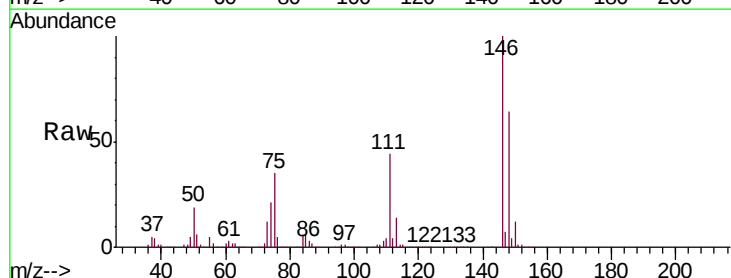
Tgt Ion:146 Resp: 2829955

Ion Ratio Lower Upper

146 100

111 43.9 34.9 52.3

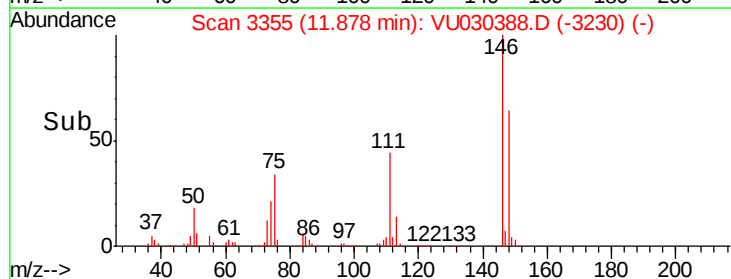
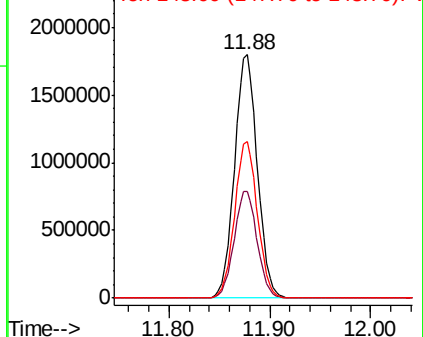
148 64.1 51.2 76.8

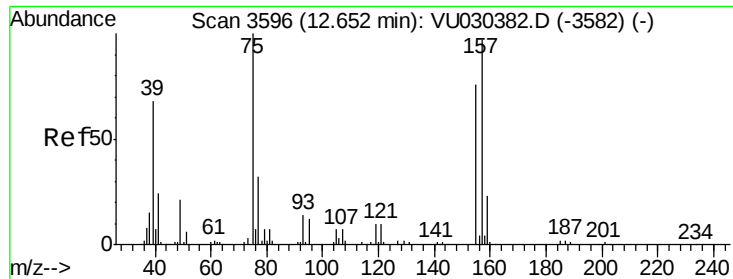


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

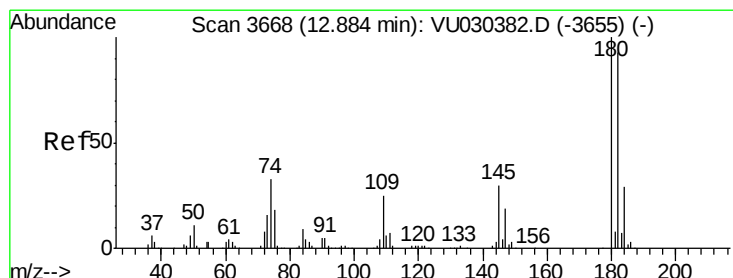
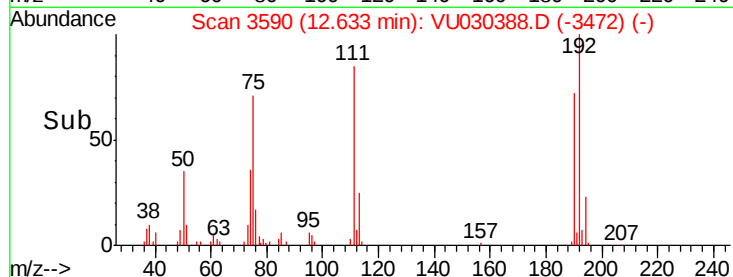
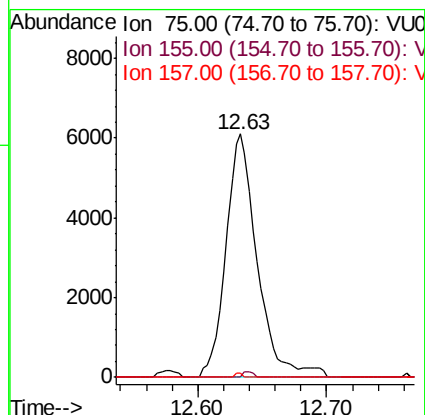
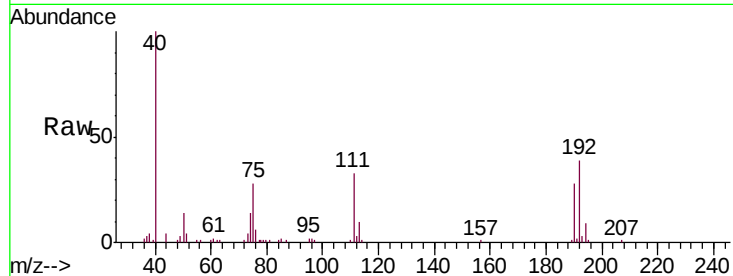




#66
 1,2-Dibromo-3-chloropropane
 Concen: 8.077 ug/L
 RT: 12.63 min Scan# 3590
 Delta R.T. -0.02 min
 Lab File: VU030388.D
 Acq: 25 Mar 2019 00:52

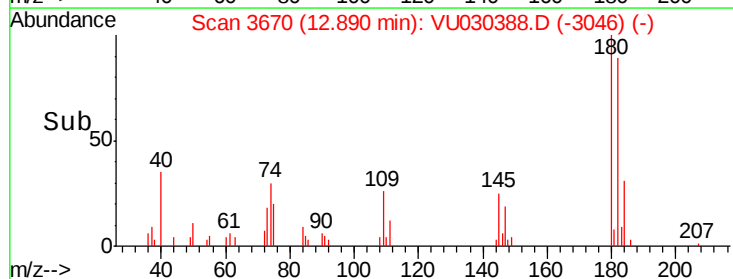
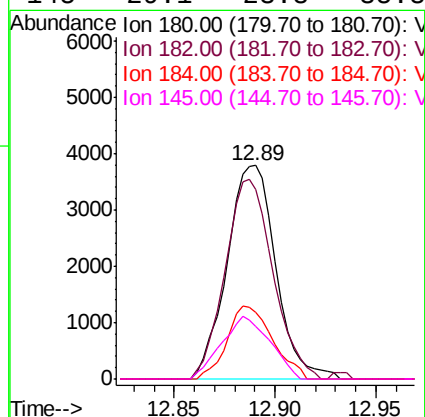
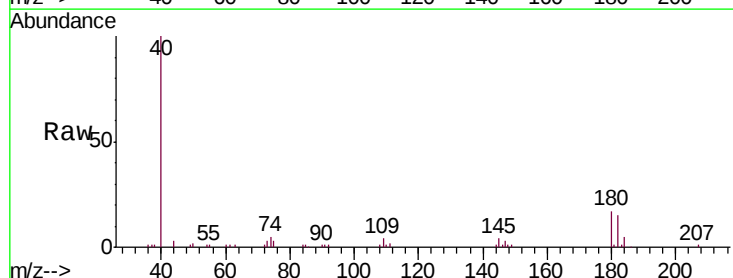
Instrument :
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 C09F0

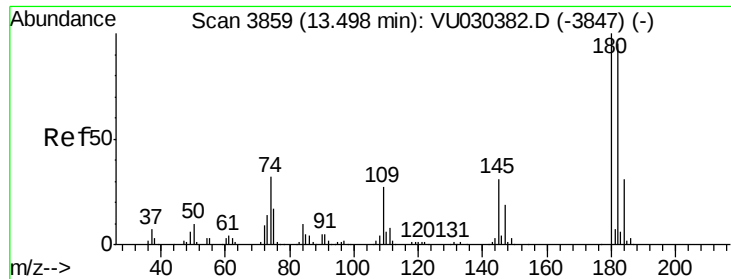
Tgt Ion: 75 Resp: 10244
 Ion Ratio Lower Upper
 75 100
 155 0.0 61.8 92.6#
 157 1.9 80.2 120.4#



#67
 1,3,5-Trichlorobenzene
 Concen: 1.520 ug/L
 RT: 12.89 min Scan# 3670
 Delta R.T. 0.01 min
 Lab File: VU030388.D
 Acq: 25 Mar 2019 00:52

Tgt Ion: 180 Resp: 6409
 Ion Ratio Lower Upper
 180 100
 182 91.4 75.9 113.9
 184 31.7 24.1 36.1
 145 29.1 23.8 35.8

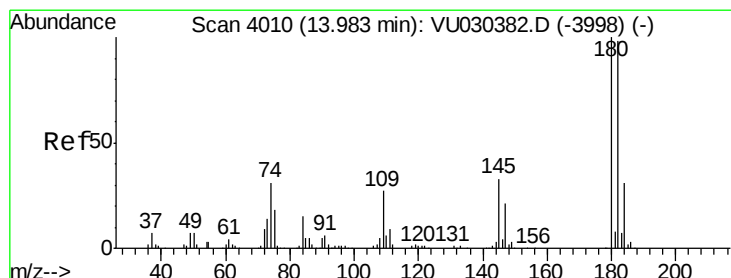
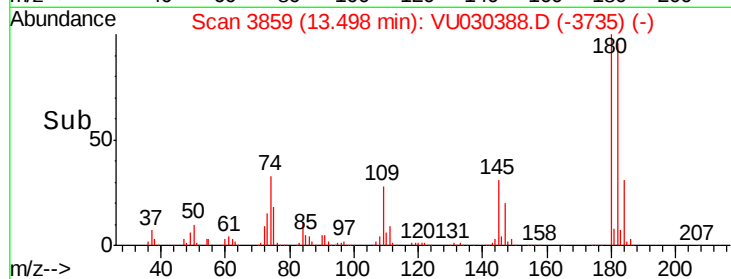
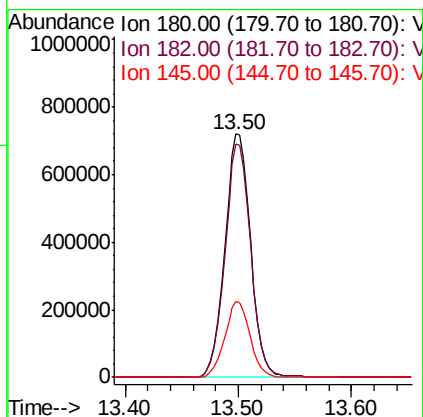
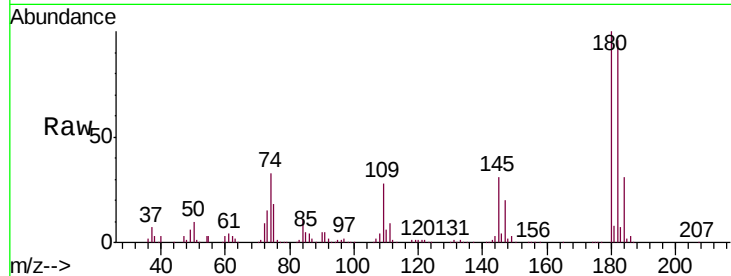




#68
 1,2,4-trichlorobenzene
 Concen: 310.393 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU030388.D
 Acq: 25 Mar 2019 00:52

Instrument :
 MSVOA_U
 ClientSampleId :
 C09F0

Tgt Ion:180 Resp: 1137342
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.1 114.1
 145 30.6 24.5 36.7



#70
 1,2,3-Trichlorobenzene
 Concen: 80.747 ug/L
 RT: 13.98 min Scan# 4010
 Delta R.T. 0.00 min
 Lab File: VU030388.D
 Acq: 25 Mar 2019 00:52

Tgt Ion:180 Resp: 312429
 Ion Ratio Lower Upper
 180 100
 182 96.2 77.4 116.2
 145 33.1 25.9 38.9

