

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032019\
 Data File : VU030240.D
 Acq On : 20 Mar 2019 22:04
 Operator : JC/SP
 Sample : K2022-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09A3

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 12:14:36 PM

Quant Time: Mar 22 02:40:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 22 01:27:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	521431	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	504145	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	237491	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	145677	41.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.64%
7) Chloroethane-d5	1.68	69	127355	45.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.34%
11) 1,1-Dichloroethene-d2	2.27	63	206928	32.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.34%
21) 2-Butanone-d5	4.17	46	262026	100.17	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.17%
24) Chloroform-d	4.65	84	298580	46.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.28%
26) 1,2-Dichloroethane-d4	5.31	65	178659	48.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.82%
32) Benzene-d6	5.34	84	629402	47.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.76%
36) 1,2-Dichloropropane-d6	6.33	67	202021	49.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.30%
41) Toluene-d8	7.56	98	558858	44.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.48%
43) trans-1,3-Dichloropropene-	7.85	79	90763	45.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.68%
47) 2-Hexanone-d5	8.31	63	213589	100.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.20%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	305448	48.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.88%
64) 1,2-Dichlorobenzene-d4	11.86	152	237109	49.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.46%

Target Compounds

					Ovalue
13) Acetone	2.32	43	53862	19.706	ug/L 98
18) Methyl tert-butyl Ether	3.00	73	36747	3.484	ug/L 98
51) Chlorobenzene	9.12	112	11968	1.143	ug/L 94
63) 1,4-Dichlorobenzene	11.50	146	28858	3.672	ug/L 97
65) 1,2-Dichlorobenzene	11.88	146	22616	2.921	ug/L 95
68) 1,2,4-trichlorobenzene	13.51	180	7086m	1.353	ug/L

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

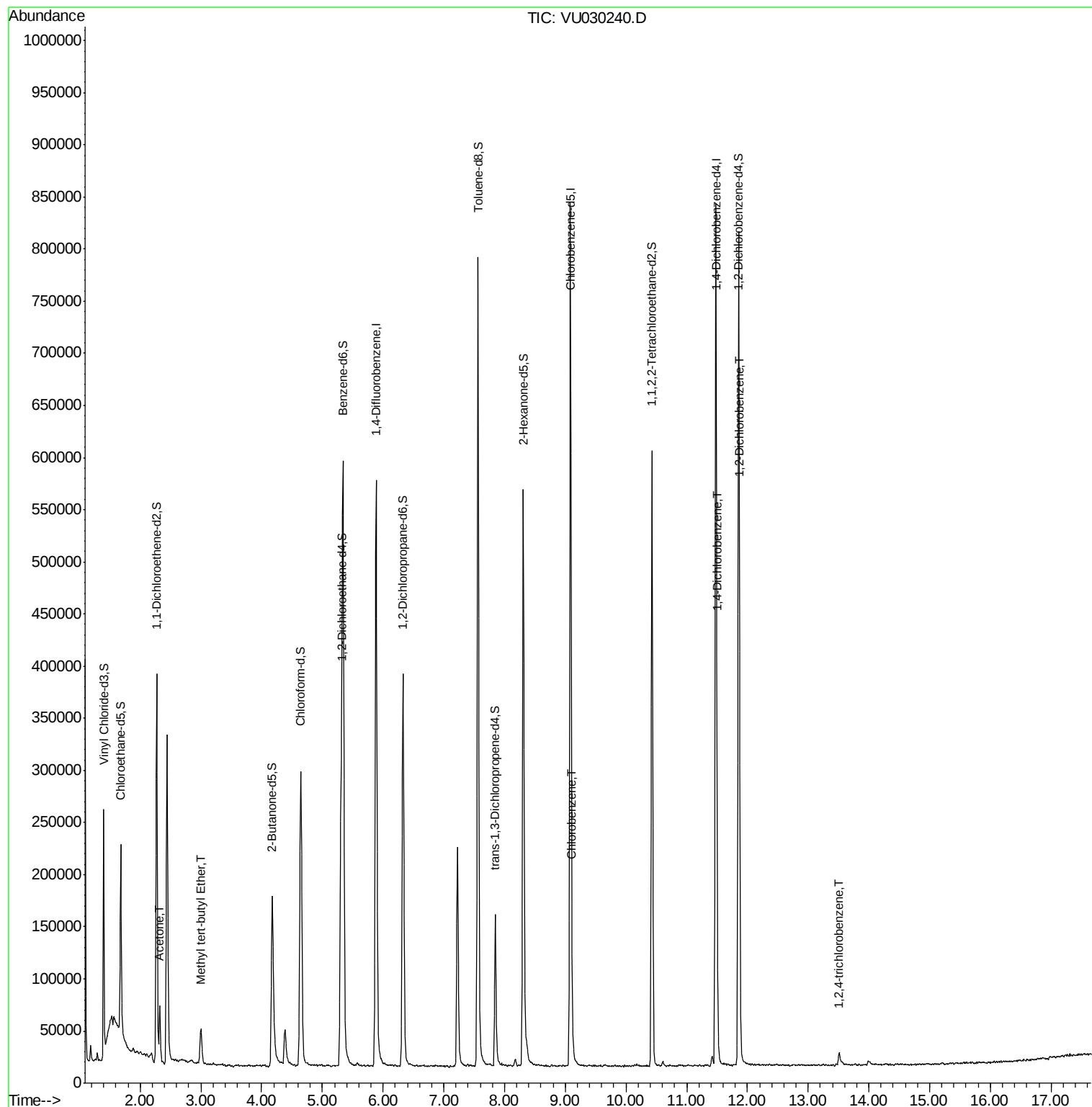
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032019\
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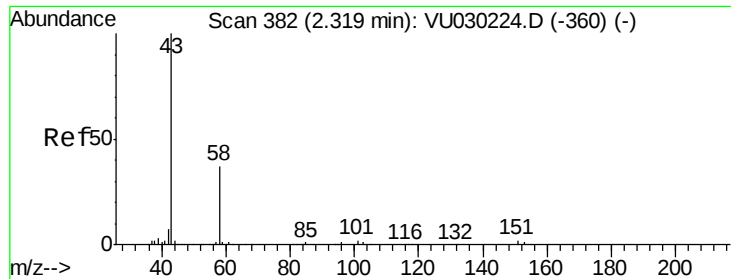
Instrument :
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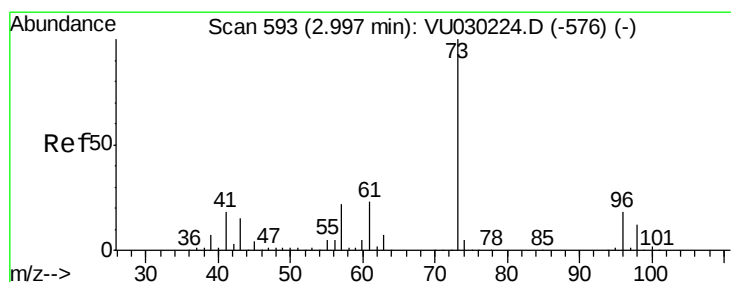
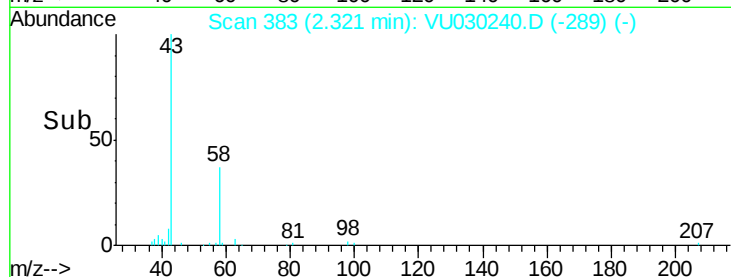
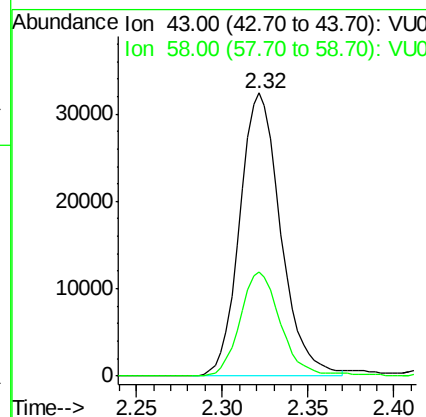
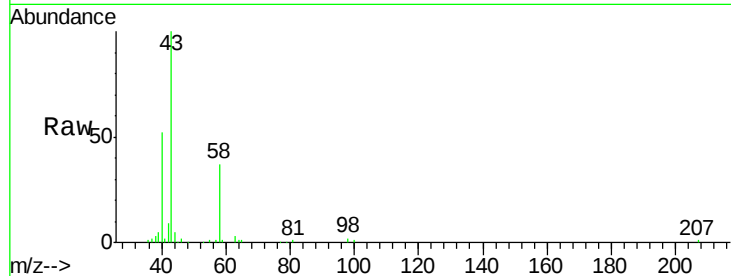
#13
Acetone
Concen: 19.706 ug/L
RT: 2.32 min Scan# 383
Delta R.T. 0.00 min
Lab File: VU030240.D
Acq: 20 Mar 2019 22:04

Instrument :
MSVOA_U
ClientSampleId :
C09A3

Tot Ion	43	58	Ratio	Lower	Upper
53862	100	35.7		0.0	73.4

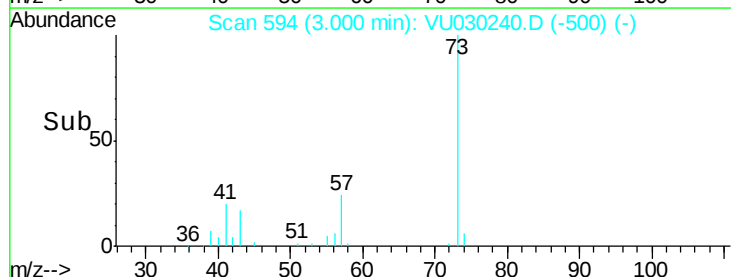
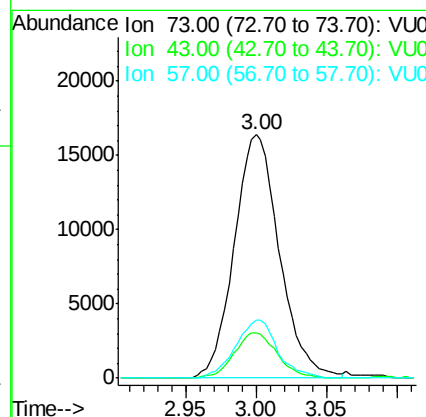
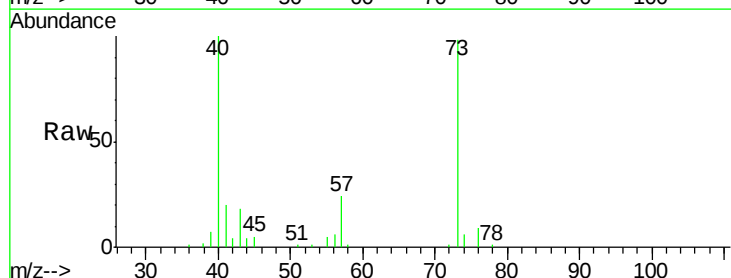
Manual Integrations
APPROVED

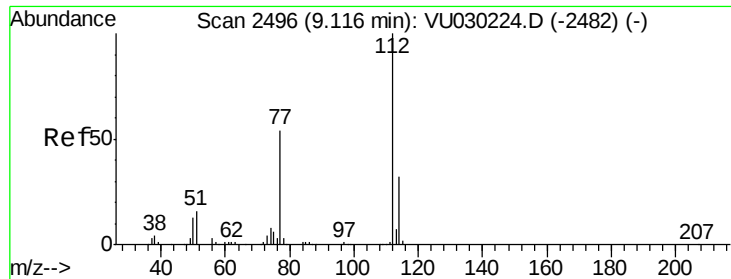
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#18
Methyl tert-butyl Ether
Concen: 3.484 ug/L
RT: 3.00 min Scan# 594
Delta R.T. 0.00 min
Lab File: VU030240.D
Acq: 20 Mar 2019 22:04

Tgt Ion	73	43	57	Ratio	Lower	Upper
36747	100	17.7	22.2		13.1	25.7





#51

Chlorobenzene

Concen: 1.143 ug/L

RT: 9.12 min Scan# 2497

Delta R.T. 0.00 min

Lab File: VU030240.D

Acq: 20 Mar 2019 22:04

Instrument :

MSVOA_U

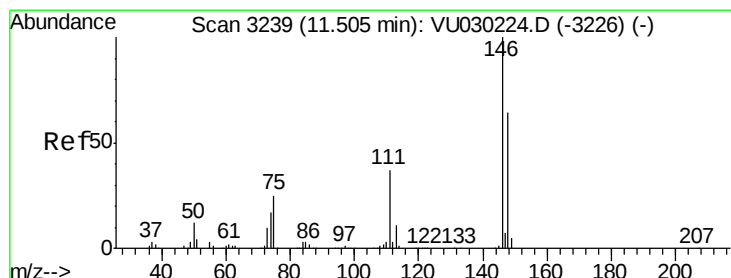
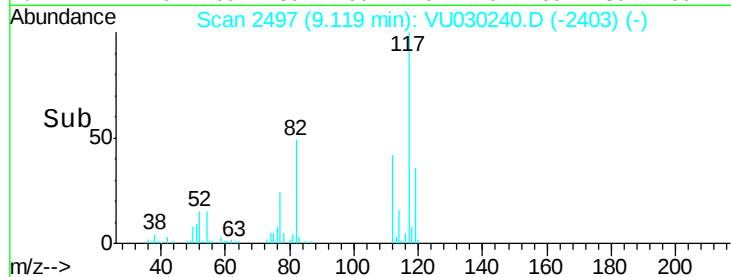
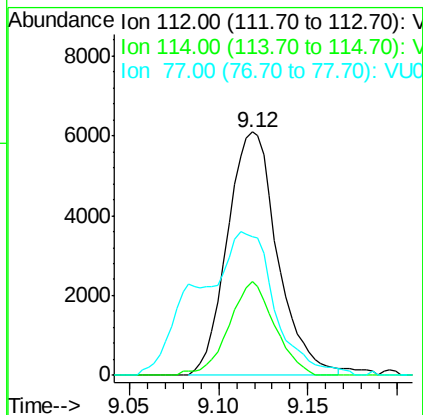
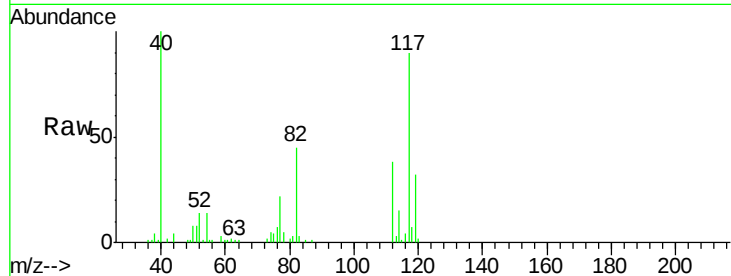
ClientSampled :

C09A3

Tot Ion:	112	Resp:	11968
Ion Ratio	Lower	Upper	
112	100		
114	38.4	22.5	41.7
77	56.8	43.4	65.0

Manual Integrations
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#63

1,4-Dichlorobenzene

Concen: 3.672 ug/L

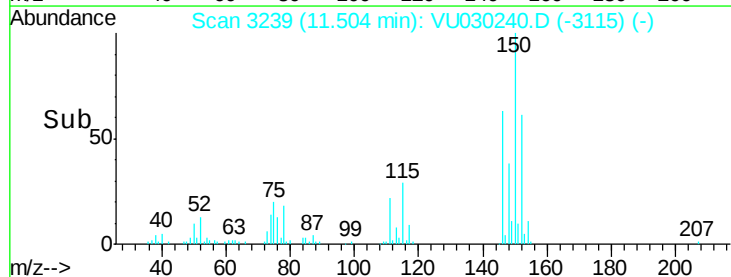
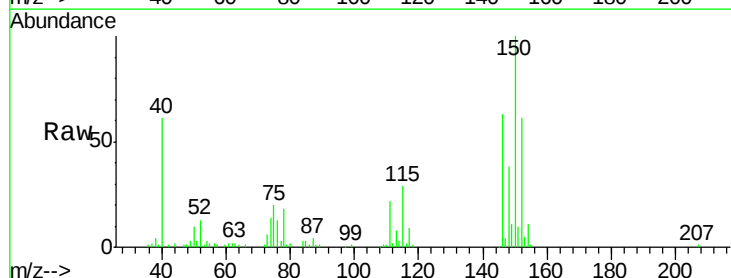
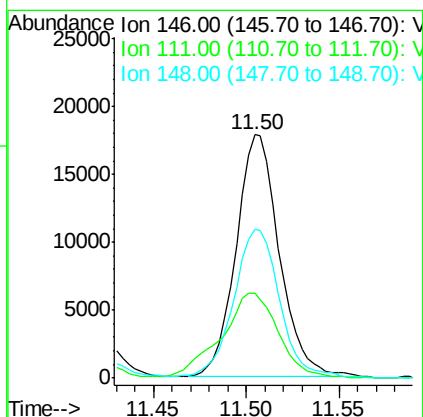
RT: 11.50 min Scan# 3239

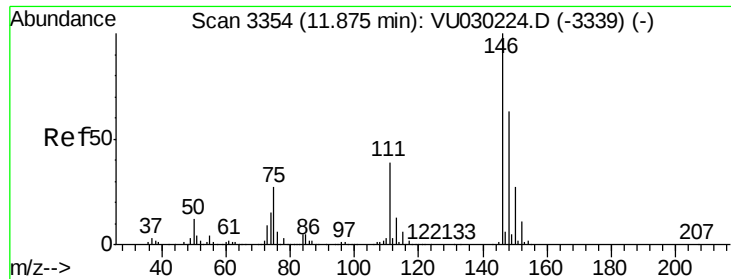
Delta R.T. -0.00 min

Lab File: VU030240.D

Acq: 20 Mar 2019 22:04

Tgt Ion:	146	Resp:	28858
Ion Ratio	Lower	Upper	
146	100		
111	34.8	25.3	46.9
148	60.9	44.7	82.9





#65

1,2-Dichlorobenzene

Concen: 2.921 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU030240.D

Acq: 20 Mar 2019 22:04

Instrument :

MSVOA_U

ClientSampleId :

C09A3

Tot Ion:146 Resp: 22616

Ion Ratio Lower Upper

146 100

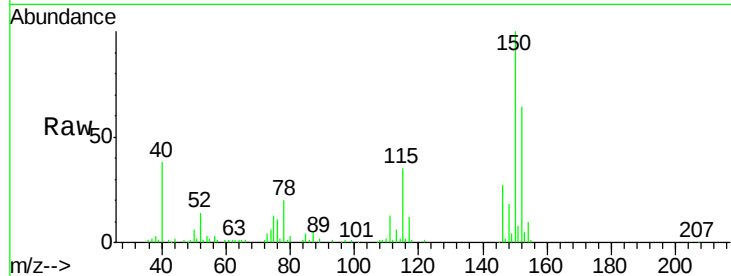
111 46.9 31.7 47.5

148 66.1 52.0 78.0

Manual Integrations
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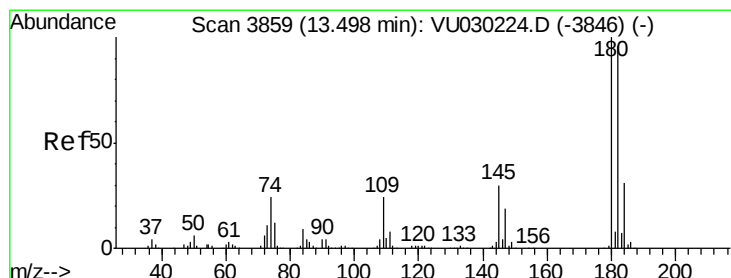
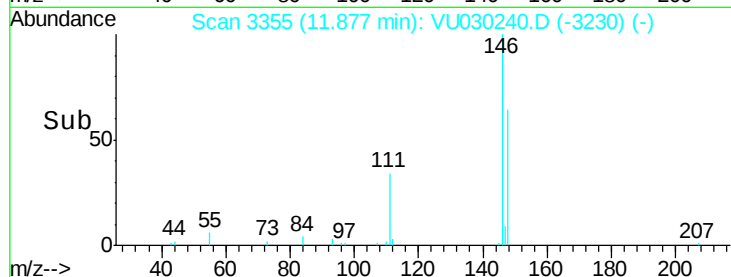
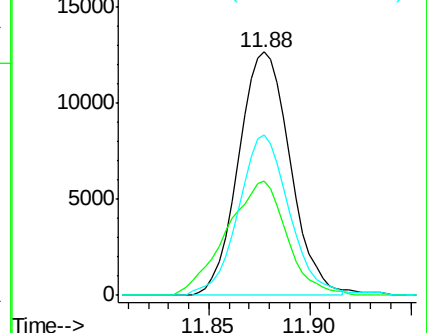
3/22/2019 12:14:36 PM



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



#68

1,2,4-trichlorobenzene

Concen: 1.353 ug/L m

RT: 13.51 min Scan# 3863

Delta R.T. 0.01 min

Lab File: VU030240.D

Acq: 20 Mar 2019 22:04

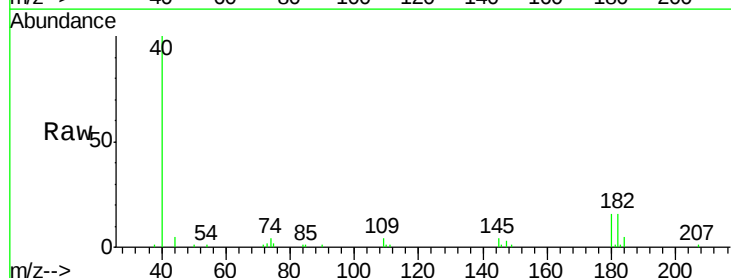
Tgt Ion:180 Resp: 7086

Ion Ratio Lower Upper

180 100

182 79.0 76.4 114.6

145 21.4 22.7 34.1#



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

