

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032019\
 Data File : VU030234.D
 Acq On : 20 Mar 2019 19:46
 Operator : JC/SP
 Sample : K1967-18
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0967

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 12:13:48 PM

Quant Time: Mar 22 02:11:29 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	541184	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	536799	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	303041m	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	153396	41.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.84%
7) Chloroethane-d5	1.68	69	129115	44.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.24%
11) 1,1-Dichloroethene-d2	2.27	63	213271	31.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.90%
21) 2-Butanone-d5	4.17	46	254686	93.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.81%
24) Chloroform-d	4.65	84	316949	47.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.38%
26) 1,2-Dichloroethane-d4	5.31	65	180852	47.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.42%
32) Benzene-d6	5.34	84	649791	45.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.88%
36) 1,2-Dichloropropane-d6	6.33	67	204167	46.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.30%
41) Toluene-d8	7.56	98	585492	44.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.04%
43) trans-1,3-Dichloropropene-	7.85	79	95386	44.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.50%
47) 2-Hexanone-d5	8.31	63	212460	93.60	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.60%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	311749	46.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.86%
64) 1,2-Dichlorobenzene-d4	11.86	152	285414m	46.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.82%

Target Compounds

					Ovalue
13) Acetone	2.32	43	13839	4.878	ug/L 94
25) Chloroform	4.67	83	257172	37.718	ug/L 98
31) Carbon tetrachloride	5.13	117	20110	3.927	ug/L 98
33) Benzene	5.39	78	7833775	505.817	ug/L 100
51) Chlorobenzene	9.12	112	14227188	1275.693	ug/L 94
62) 1,3-Dichlorobenzene	11.41	146	5272426	545.325	ug/L 99
63) 1,4-Dichlorobenzene	11.50	146	18102731m	1805.081	ug/L
65) 1,2-Dichlorobenzene	11.88	146	19796218m	2004.043	ug/L
68) 1,2,4-trichlorobenzene	13.50	180	3362184	503.163	ug/L 99
70) 1,2,3-Trichlorobenzene	13.98	180	1471084	210.990	ug/L 99

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

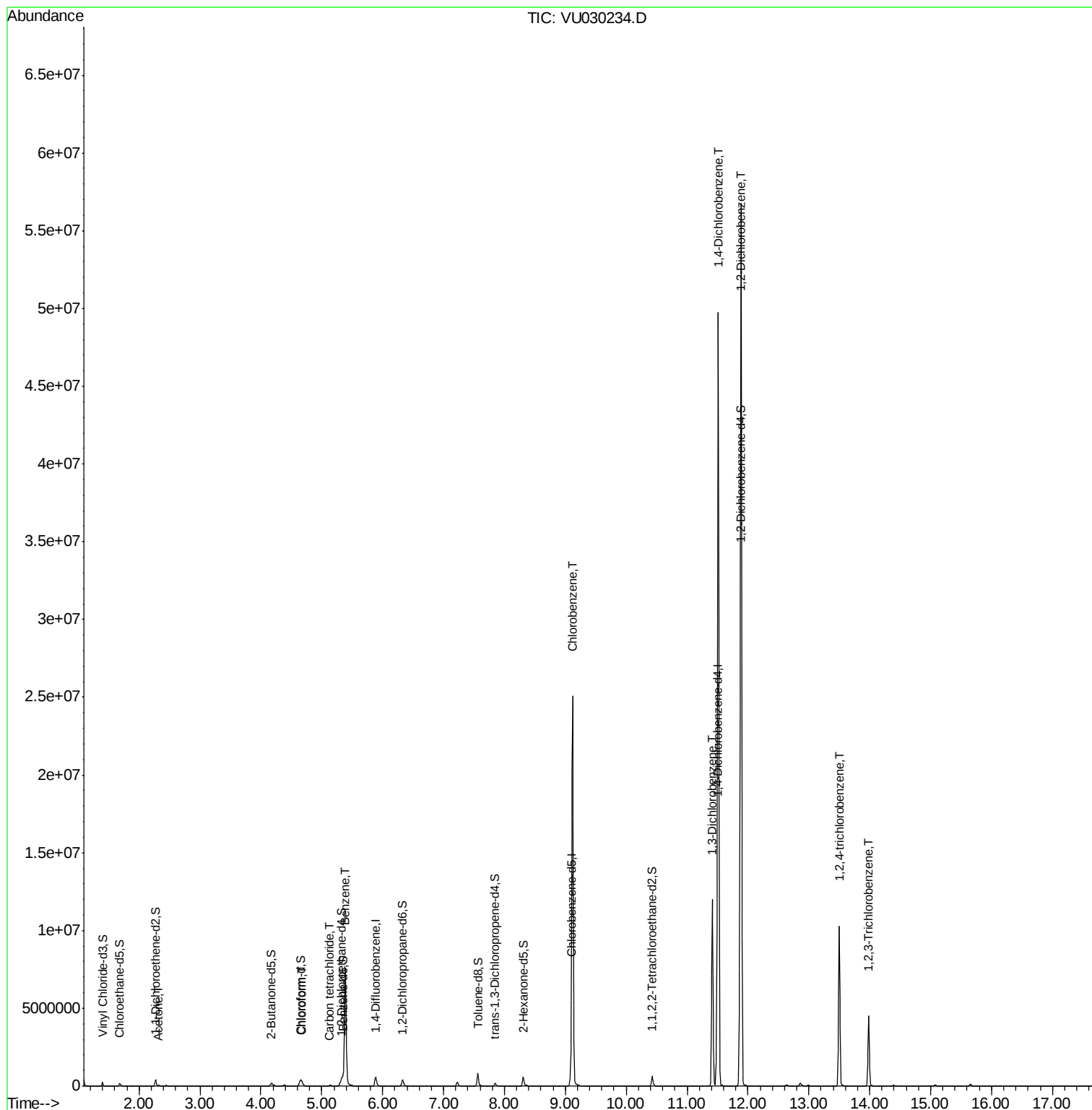
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032019\
Data File : VU030234.D
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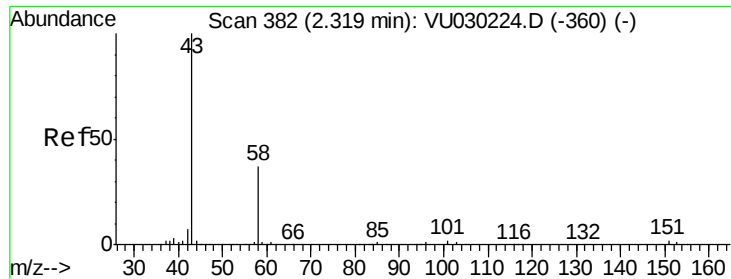
Instrument :
MSVOA_U
ClientSampleId :
C0967

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Quant Time: Mar 22 02:11:29 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 01:27:23 2019
Response via : Initial Calibration





#13

Acetone

Concen: 4.878 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030234.D

Acq: 20 Mar 2019 19:46

Instrument :

MSVOA_U

ClientSampleId :

C0967

Tot Ion: 43 Resp: 13839

Ion Ratio Lower Upper

43 100

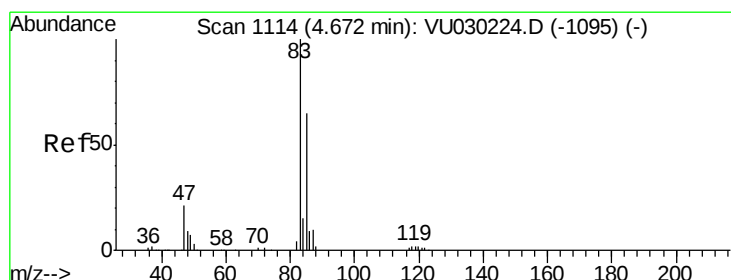
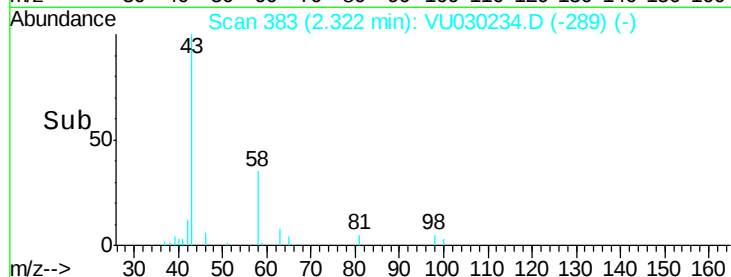
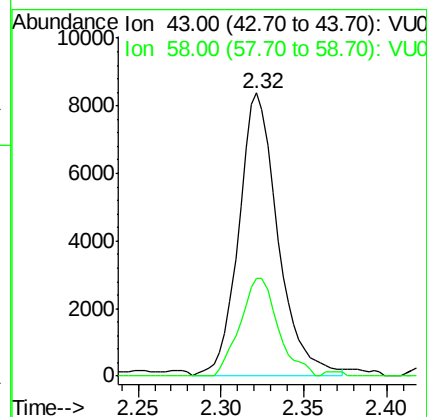
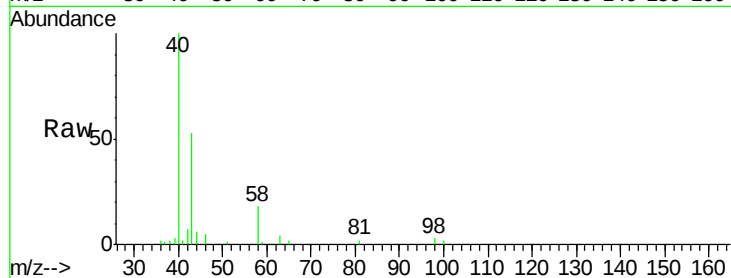
58 33.2 0.0 73.4

Manual Integrations

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#25

Chloroform

Concen: 37.718 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VU030234.D

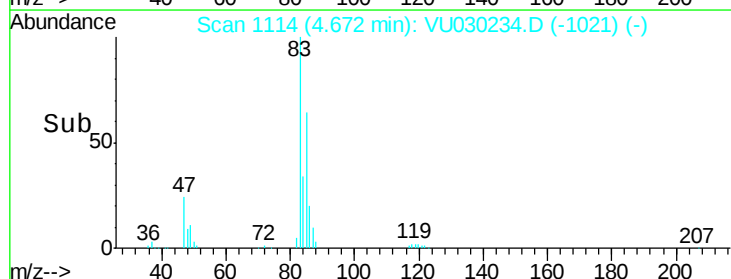
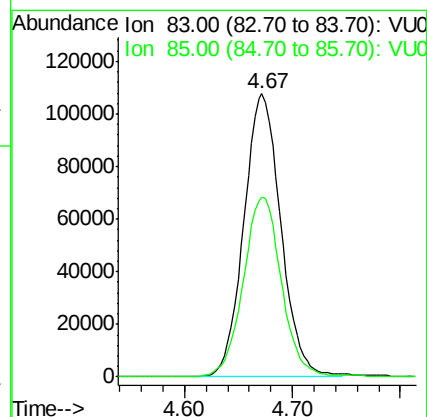
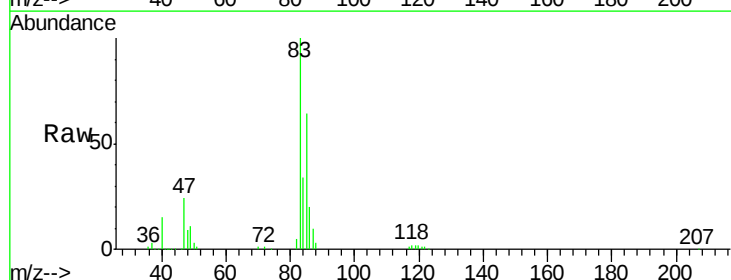
Acq: 20 Mar 2019 19:46

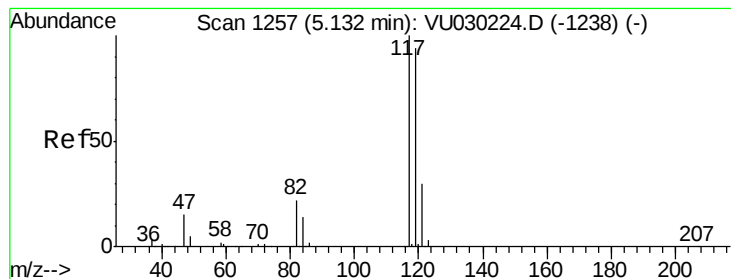
Tgt Ion: 83 Resp: 257172

Ion Ratio Lower Upper

83 100

85 63.7 45.8 85.2





#31

Carbon tetrachloride

Concen: 3.927 ug/L

RT: 5.13 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VU030234.D

Acq: 20 Mar 2019 19:46

Instrument :

MSVOA_U

ClientSampled :

C0967

Tot Ion:117 Resp: 20110

Ion Ratio Lower Upper

117 100

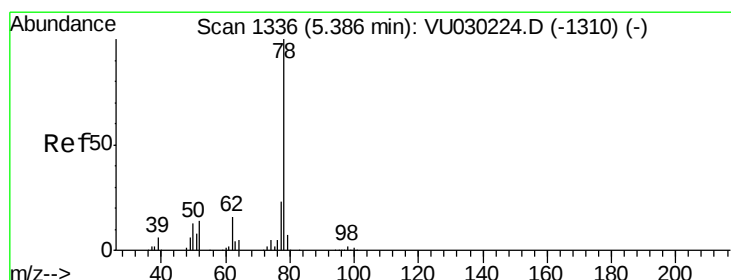
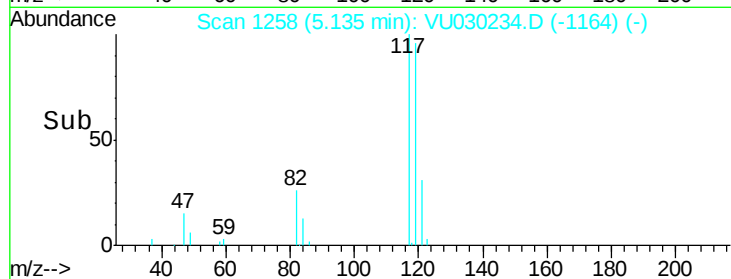
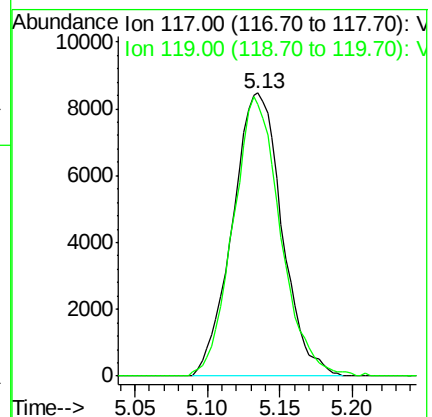
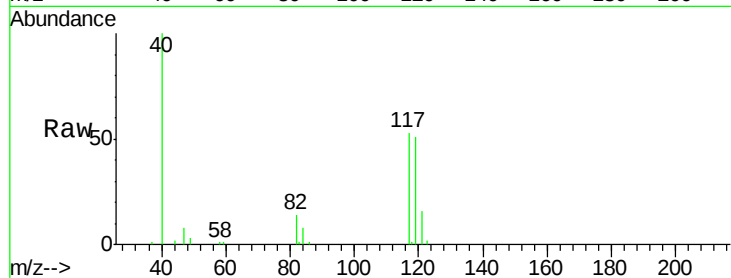
119 94.1 77.1 115.7

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#33

Benzene

Concen: 505.817 ug/L

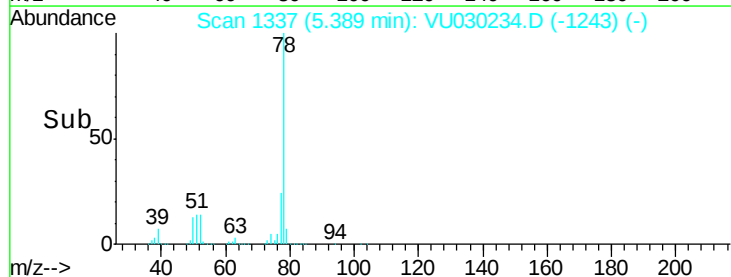
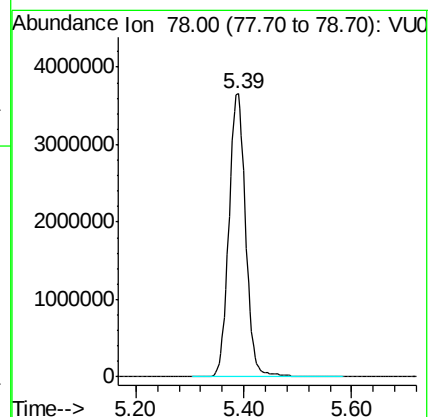
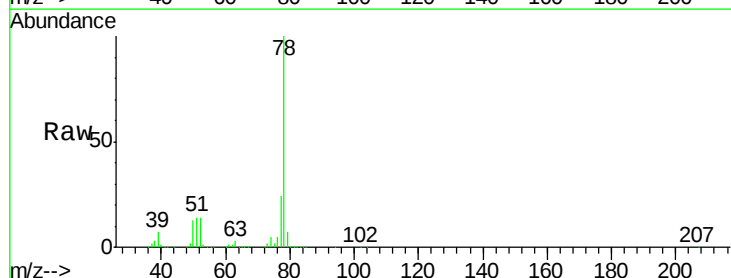
RT: 5.39 min Scan# 1337

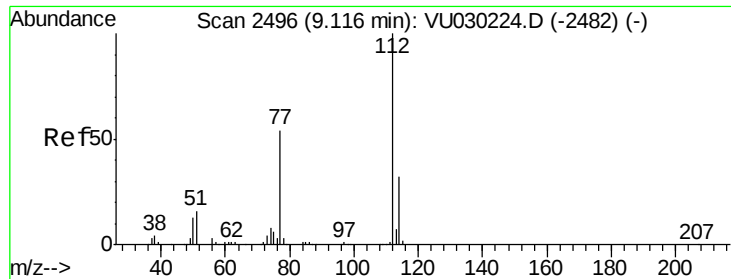
Delta R.T. 0.00 min

Lab File: VU030234.D

Acq: 20 Mar 2019 19:46

Tgt Ion: 78 Resp: 7833775





#51

Chlorobenzene

Concen: 1275.693 ug/L

RT: 9.12 min Scan# 2497

Delta R.T. 0.00 min

Lab File: VU030234.D

Acq: 20 Mar 2019 19:46

Instrument :

MSVOA_U

ClientSampled :

C0967

Tot Ion:112 Resp:14227188

Ion Ratio Lower Upper

112 100

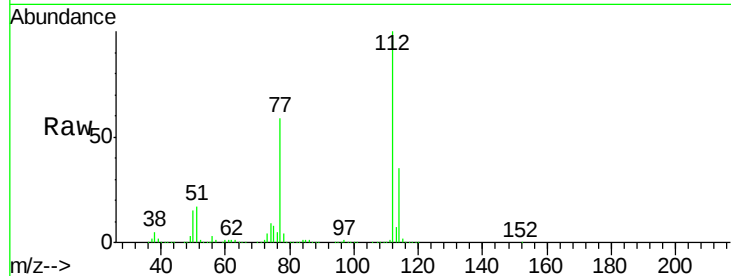
114 34.5 22.5 41.7

77 59.4 43.4 65.0

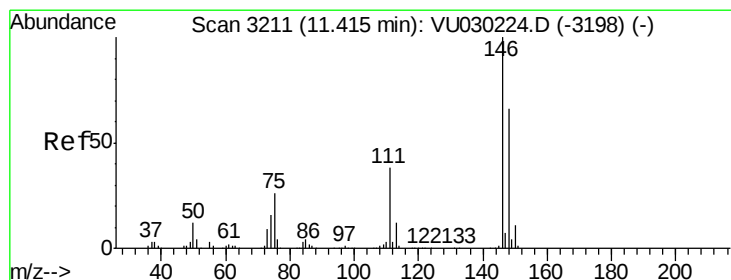
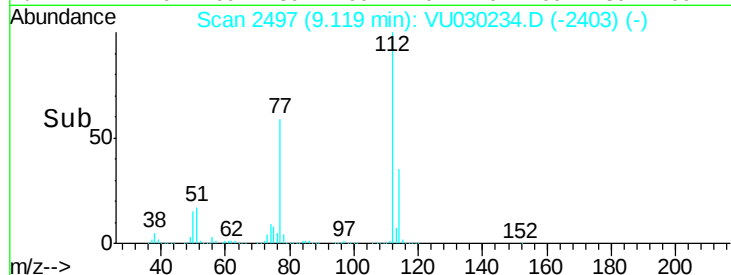
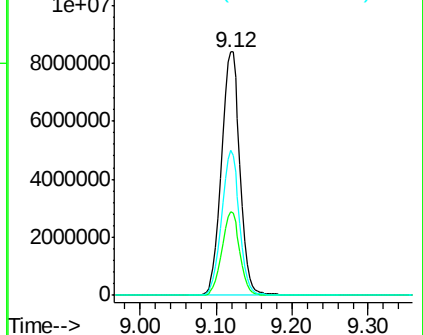
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Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V



#62

1,3-Dichlorobenzene

Concen: 545.325 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU030234.D

Acq: 20 Mar 2019 19:46

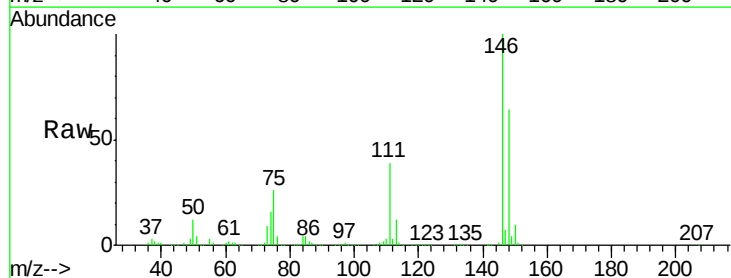
Tgt Ion:146 Resp: 5272426

Ion Ratio Lower Upper

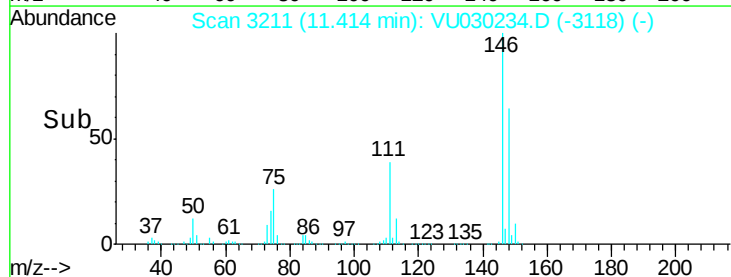
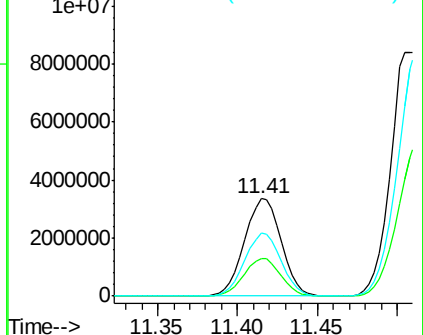
146 100

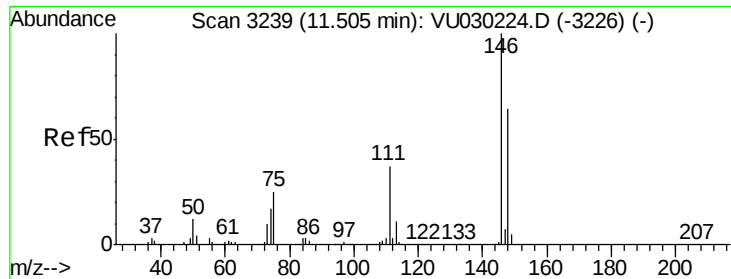
111 39.1 27.2 50.4

148 64.4 44.4 82.5



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





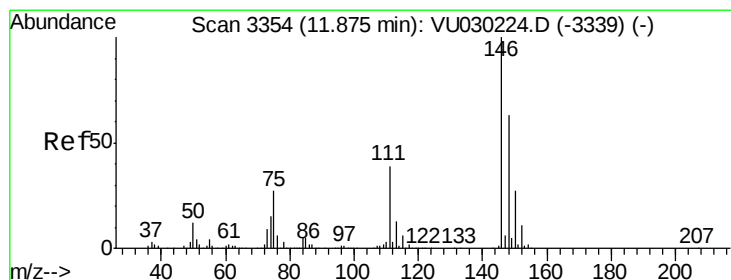
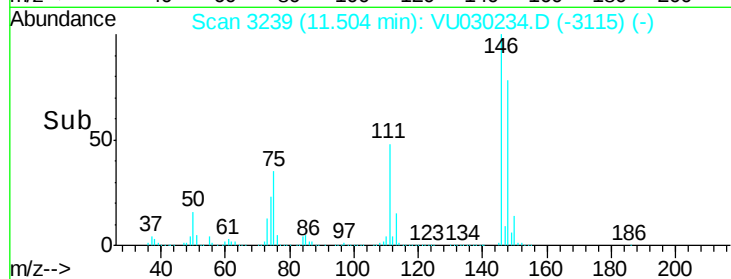
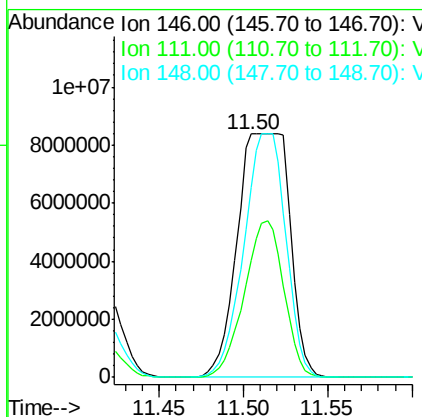
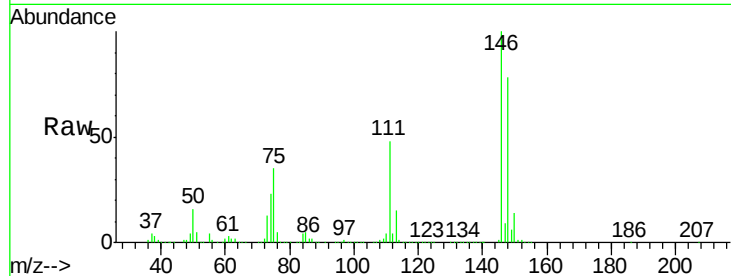
#63
 1,4-Dichlorobenzene
 Concen: 1805.081 ug/L m
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030234.D
 Acq: 20 Mar 2019 19:46

Instrument :
 MSVOA_U
 ClientSampled :
 C0967

Tot Ion:146 Resp:18102731
 Ion Ratio Lower Upper
 146 100
 111 48.2 25.3 46.9#
 148 77.9 44.7 82.9

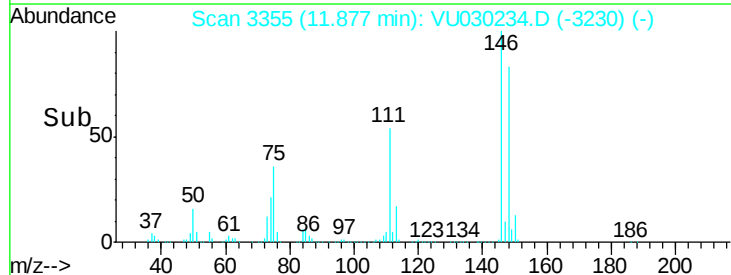
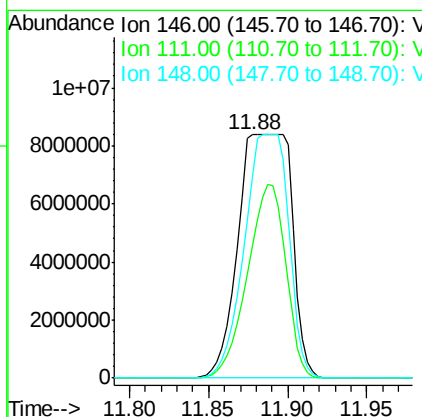
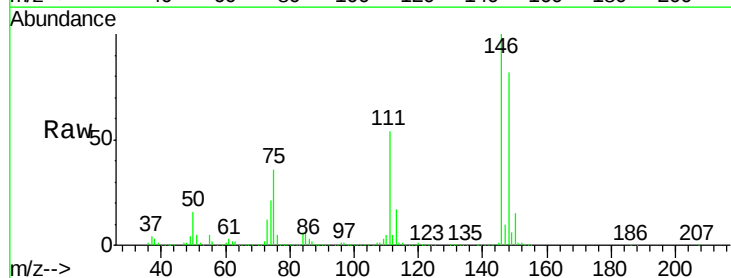
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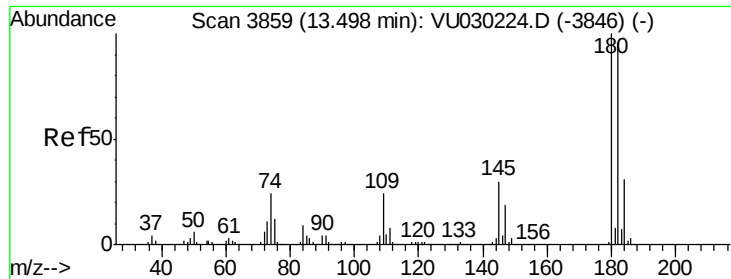
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#65
 1,2-Dichlorobenzene
 Concen: 2004.043 ug/L m
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030234.D
 Acq: 20 Mar 2019 19:46

Tgt Ion:146 Resp:19796218
 Ion Ratio Lower Upper
 146 100
 111 54.2 31.7 47.5#
 148 82.5 52.0 78.0#





#68

1,2,4-trichlorobenzene

Concen: 503.163 ug/L

RT: 13.50 min Scan# 3860

Delta R.T. 0.00 min

Lab File: VU030234.D

Acq: 20 Mar 2019 19:46

Instrument :

MSVOA_U

ClientSampled :

C0967

Tot Ion:180 Resp: 3362184

Ion Ratio Lower Upper

180 100

182 95.8 76.4 114.6

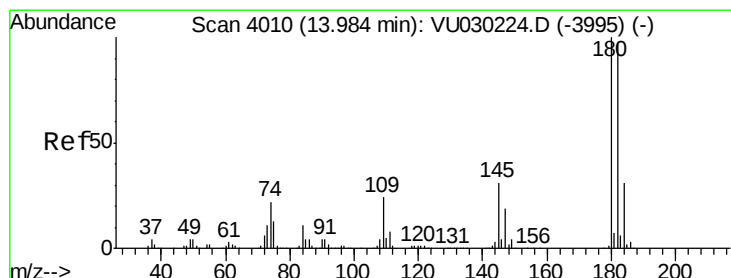
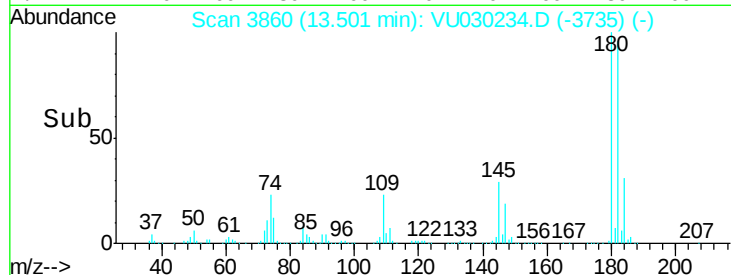
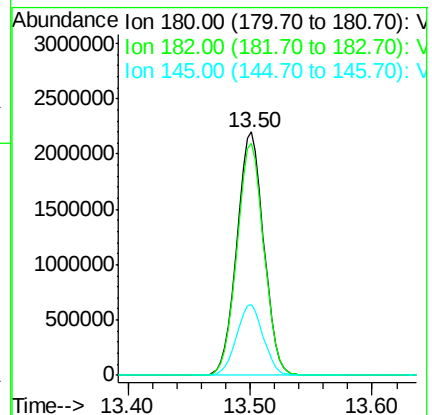
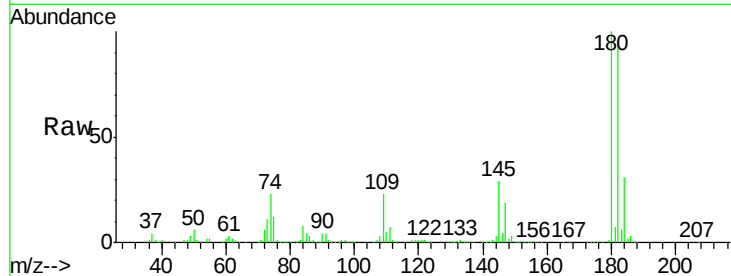
145 29.1 22.7 34.1

Manual Integrations

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#70

1,2,3-Trichlorobenzene

Concen: 210.990 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU030234.D

Acq: 20 Mar 2019 19:46

Tgt Ion:180 Resp: 1471084

Ion Ratio Lower Upper

180 100

182 95.7 75.9 113.9

145 30.9 24.1 36.1

