

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032619\
 Data File : VU030449.D
 Acq On : 26 Mar 2019 17:31
 Operator : JC/SP
 Sample : K2022-11 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09B2

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 9:55:46 AM

Quant Time: Mar 27 06:49:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 27 06:00:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	458278	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	442948	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	209477	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	170027	46.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.20%
7) Chloroethane-d5	1.67	69	141766	48.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.98%
11) 1,1-Dichloroethene-d2	2.27	63	244411	34.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.86%
21) 2-Butanone-d5	4.17	46	344421	99.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.34%
24) Chloroform-d	4.64	84	302297	47.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.14%
26) 1,2-Dichloroethane-d4	5.31	65	201088	48.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.72%
32) Benzene-d6	5.34	84	618181	48.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.34%
36) 1,2-Dichloropropane-d6	6.32	67	216806	49.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.78%
41) Toluene-d8	7.56	98	528773	46.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.70%
43) trans-1,3-Dichloropropene-	7.85	79	93859	45.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.86%
47) 2-Hexanone-d5	8.31	63	221311	93.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.97%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	297484	47.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.66%
64) 1,2-Dichlorobenzene-d4	11.86	152	201505m	48.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.02%

Target Compounds

					Ovalue
13) Acetone	2.32	43	8311	2.370	ug/L 98
33) Benzene	5.39	78	4372571	289.989	ug/L 100
51) Chlorobenzene	9.12	112	12298285	1296.718	ug/L 96
62) 1,3-Dichlorobenzene	11.41	146	214585	31.324	ug/L 99
63) 1,4-Dichlorobenzene	11.50	146	4527563	641.991	ug/L 99
65) 1,2-Dichlorobenzene	11.88	146	4247485	613.187	ug/L 100
68) 1,2,4-trichlorobenzene	13.50	180	89362	20.054	ug/L 97
70) 1,2,3-Trichlorobenzene	13.99	180	20194	4.292	ug/L 98

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

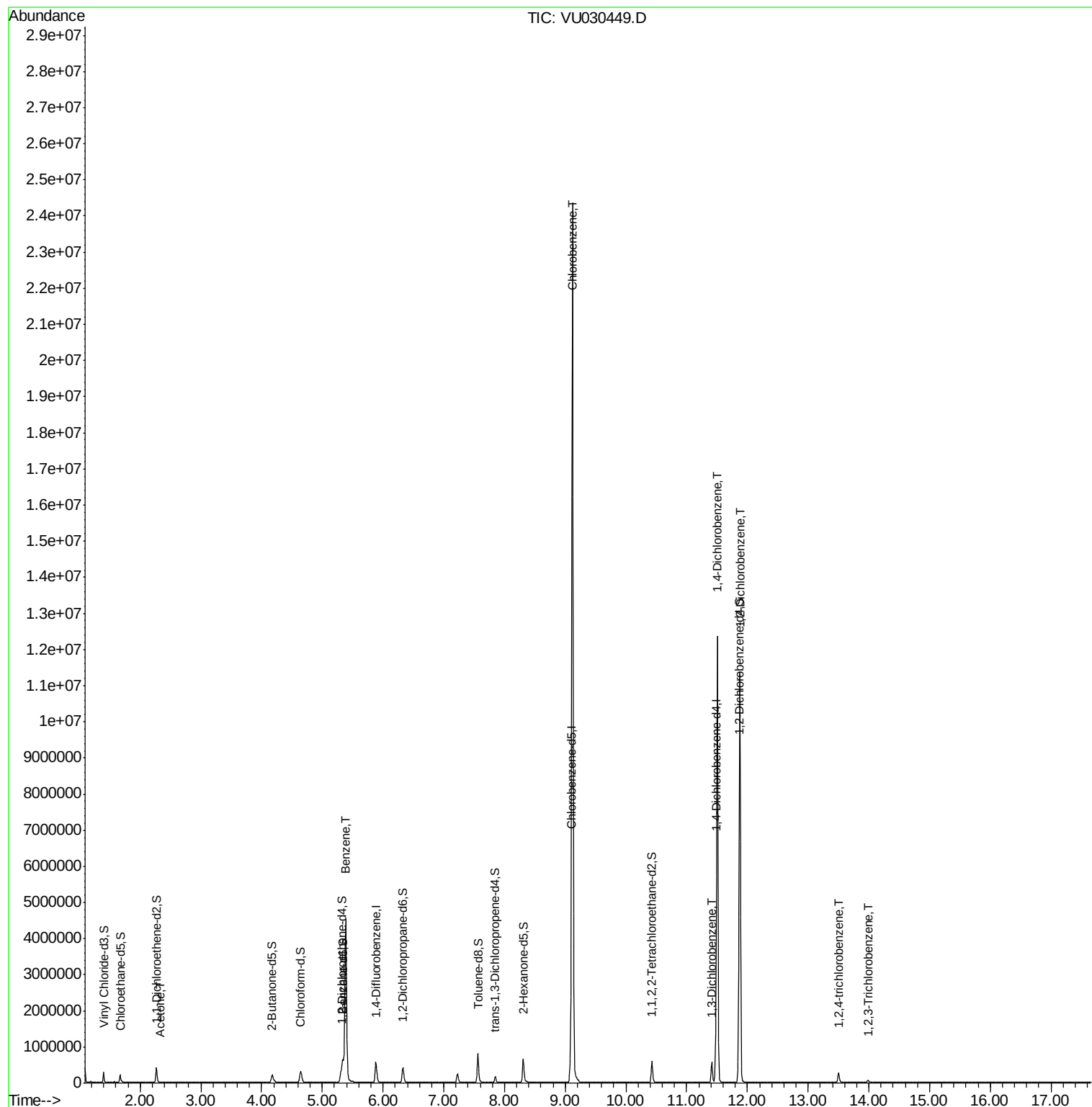
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032619\
Data File : VU030449.D
Acq On : 26 Mar 2019 17:31
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ALS Vial : 23 Sample Multiplier: 1

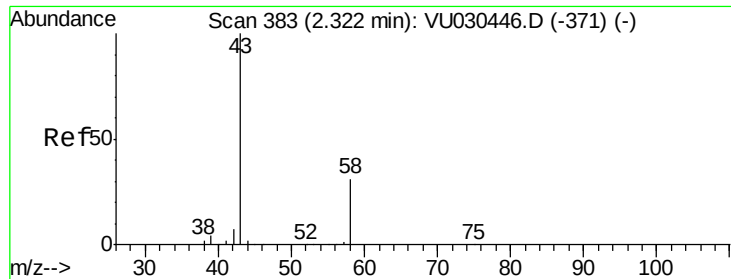
Instrument :
MSVOA_U
ClientSampleId :
C09B2

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
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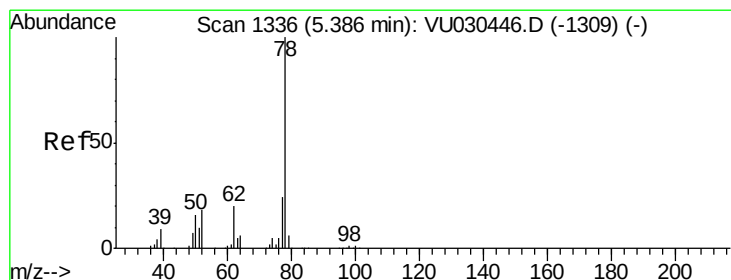
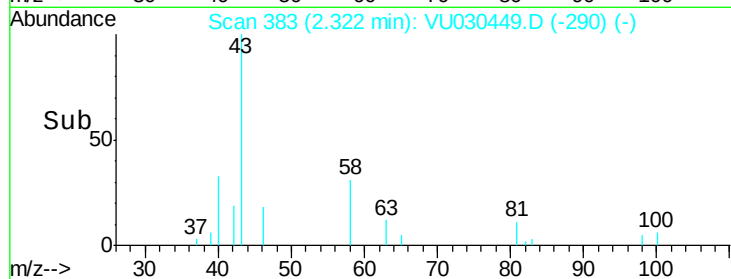
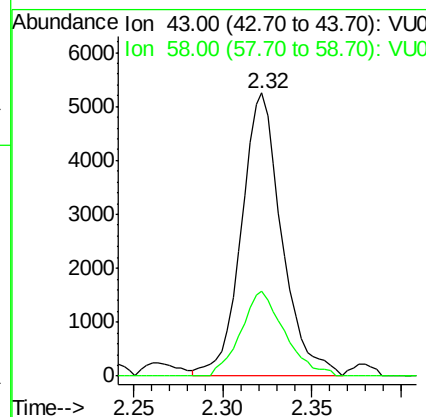
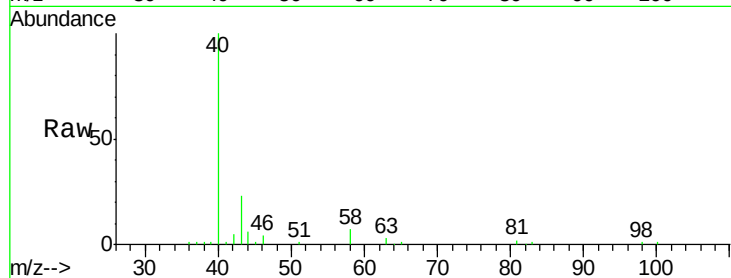
#13
Acetone
Concen: 2.370 ug/L
RT: 2.32 min Scan# 383
Delta R.T. 0.00 min
Lab File: VU030449.D
Acq: 26 Mar 2019 17:31

Instrument :
MSVOA_U
ClientSampleId :
C09B2

Tot Ion	Ratio	Lower	Upper
43	100		
58	32.3	0.0	62.8

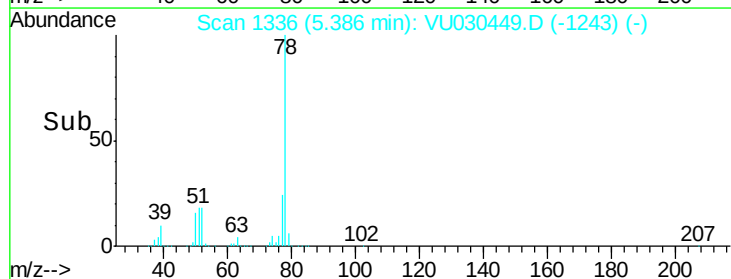
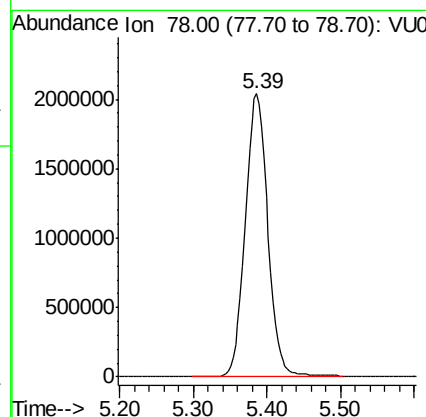
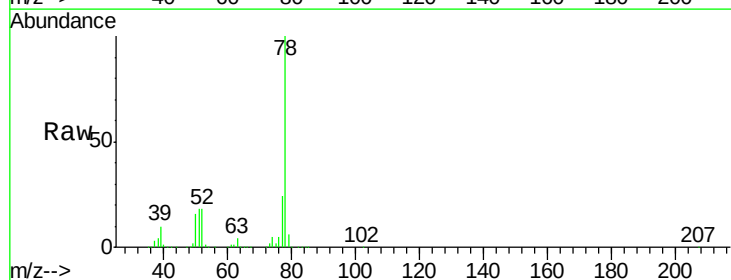
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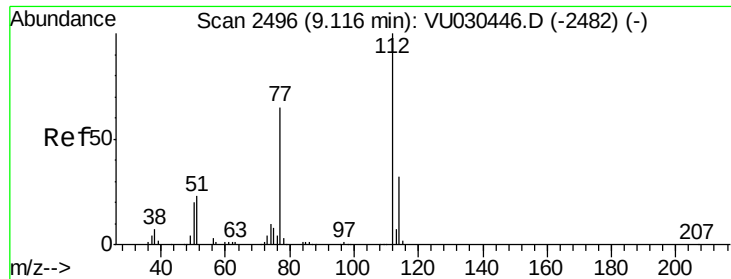
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#33
Benzene
Concen: 289.989 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU030449.D
Acq: 26 Mar 2019 17:31

Tgt Ion: 78 Resp: 4372571





#51

Chlorobenzene

Concen: 1296.718 ug/L

RT: 9.12 min Scan# 2497

Delta R.T. 0.00 min

Lab File: VU030449.D

Acq: 26 Mar 2019 17:31

Instrument :

MSVOA_U

ClientSampled :

C09B2

Tot Ion:112 Resp:12298285

Ion Ratio Lower Upper

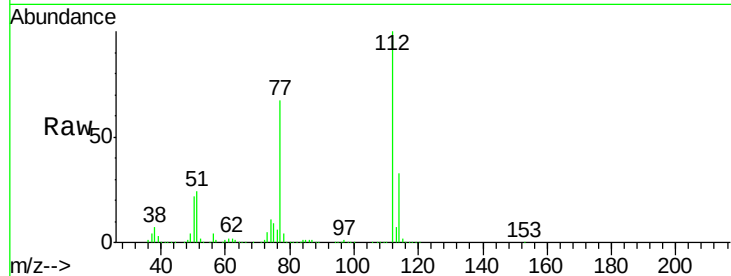
112 100

114 32.8 21.5 39.9

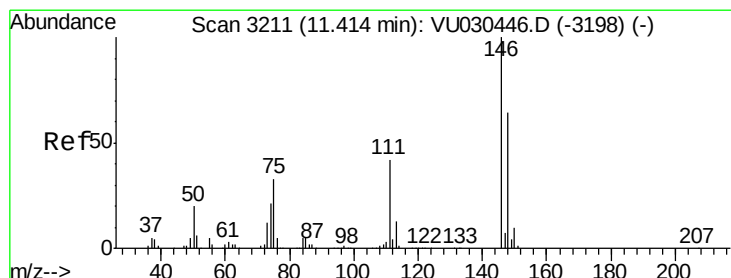
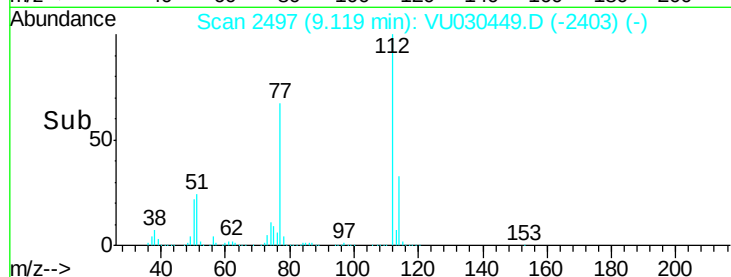
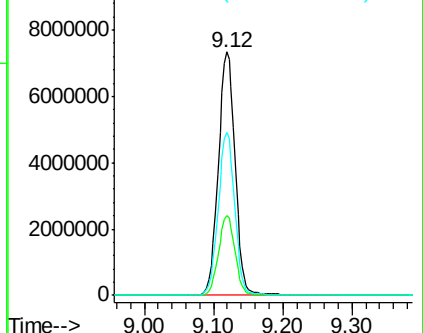
77 67.0 51.4 77.0

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Abundance Ion 112.00 (111.70 to 112.70): V
1e+07
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V



#62

1,3-Dichlorobenzene

Concen: 31.324 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU030449.D

Acq: 26 Mar 2019 17:31

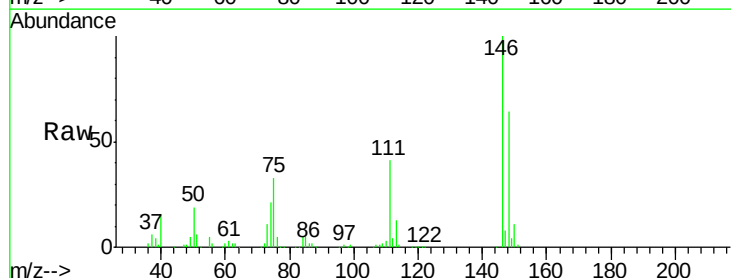
Tgt Ion:146 Resp: 214585

Ion Ratio Lower Upper

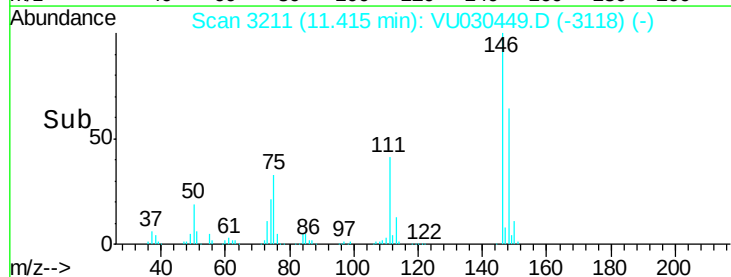
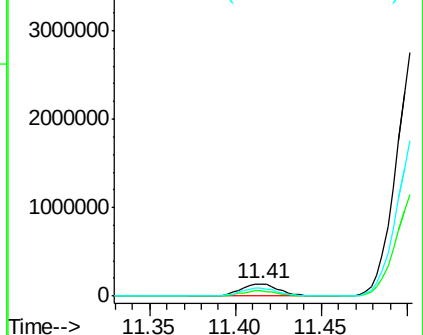
146 100

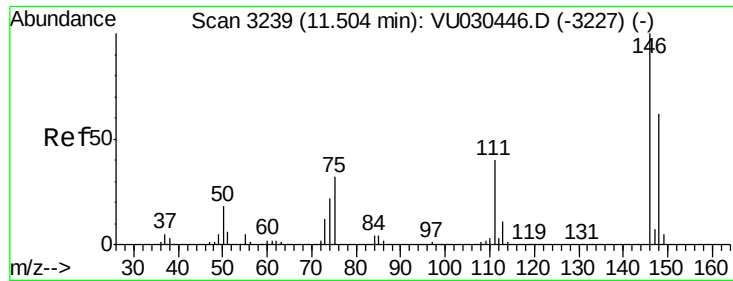
111 41.1 29.2 54.2

148 63.7 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





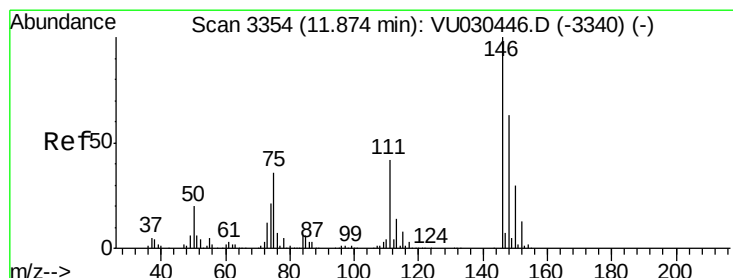
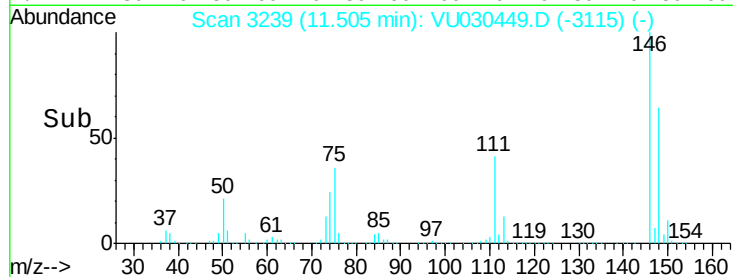
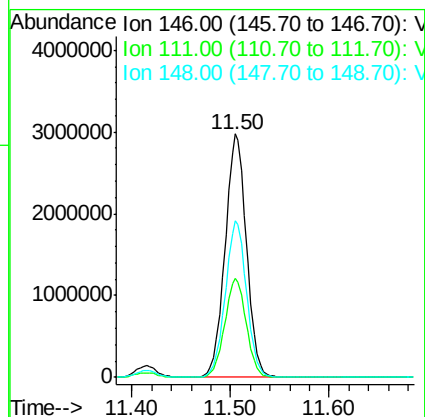
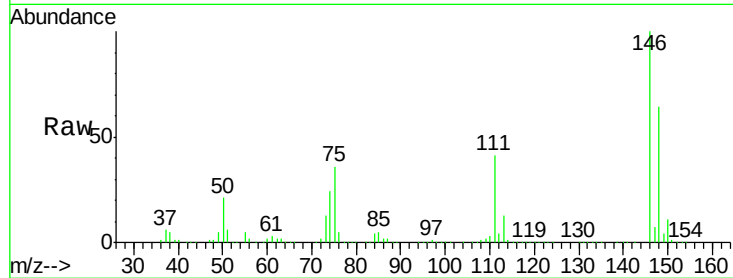
#63
1,4-Dichlorobenzene
Concen: 641.991 ug/L
RT: 11.50 min Scan# 3239
Delta R.T. 0.00 min
Lab File: VU030449.D
Acq: 26 Mar 2019 17:31

Instrument :
MSVOA_U
ClientSampleId :
C09B2

Tot Ion:146 Resp: 4527563
Ion Ratio Lower Upper
146 100
111 40.9 28.7 53.3
148 64.2 44.3 82.3

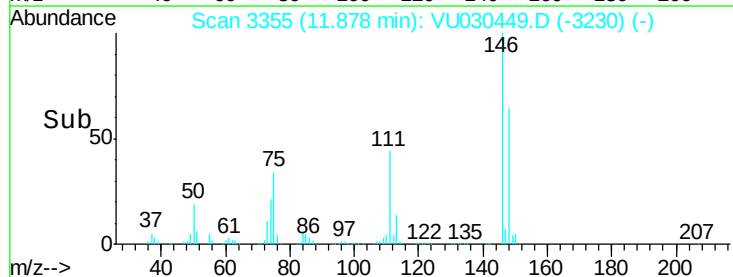
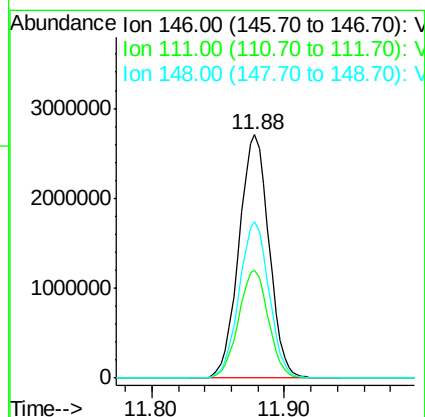
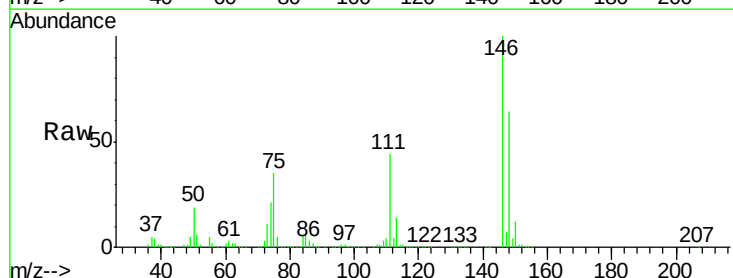
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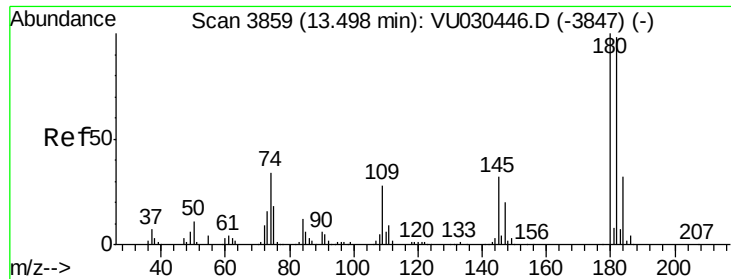
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#65
1,2-Dichlorobenzene
Concen: 613.187 ug/L
RT: 11.88 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VU030449.D
Acq: 26 Mar 2019 17:31

Tgt Ion:146 Resp: 4247485
Ion Ratio Lower Upper
146 100
111 44.3 34.9 52.3
148 64.1 51.2 76.8





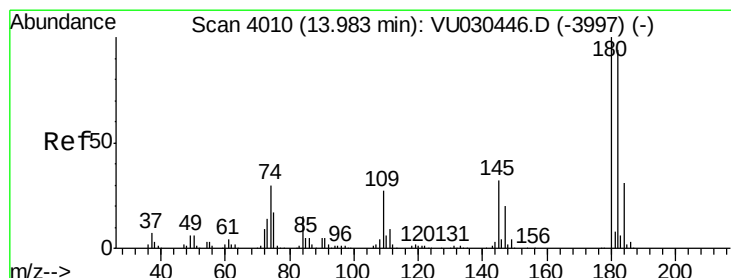
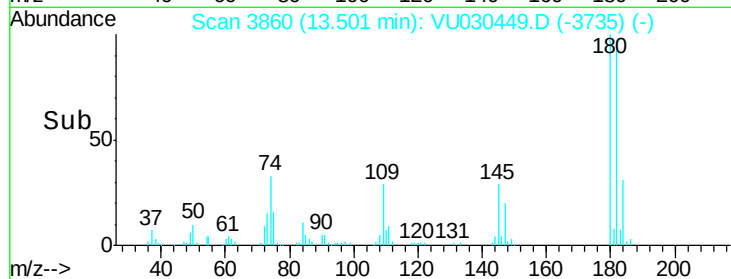
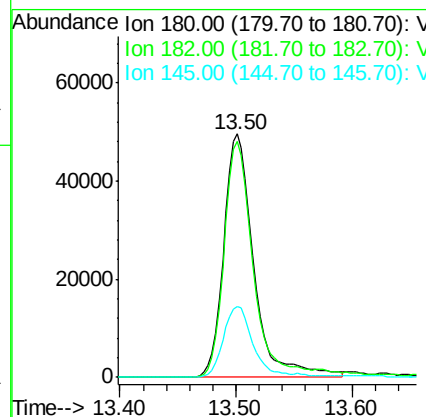
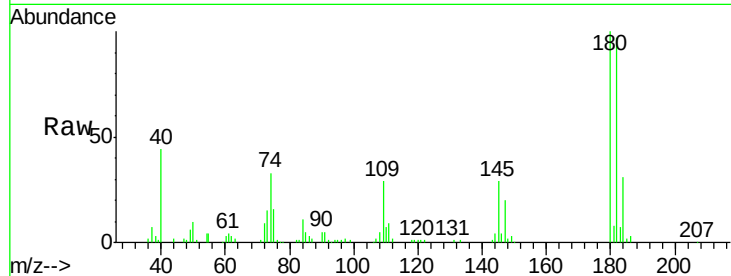
#68
 1,2,4-trichlorobenzene
 Concen: 20.054 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030449.D
 Acq: 26 Mar 2019 17:31

Instrument :
 MSVOA_U
 ClientSampleId :
 C09B2

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.8	76.1	114.1
145	28.2	24.5	36.7

Manual Integrations
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 3/27/2019 9:55:46 AM



#70
 1,2,3-Trichlorobenzene
 Concen: 4.292 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU030449.D
 Acq: 26 Mar 2019 17:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.4	116.2
145	30.2	25.9	38.9

