

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU032619\
 Data File : VU030445.D
 Acq On : 26 Mar 2019 15:29
 Operator : JC/SP
 Sample : K2070-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09D6

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 9:55:35 AM

Quant Time: Apr 10 23:41:37 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	449102	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	435560	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	204657	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	187871	51.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.96%
7) Chloroethane-d5	1.68	69	150419	52.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.02%
11) 1,1-Dichloroethene-d2	2.27	63	261518	38.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.28%
21) 2-Butanone-d5	4.17	46	344258	101.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.32%
24) Chloroform-d	4.64	84	311886	50.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.16%
26) 1,2-Dichloroethane-d4	5.31	65	211451	51.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.78%
32) Benzene-d6	5.34	84	640308	51.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.52%
36) 1,2-Dichloropropane-d6	6.33	67	228533	53.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.96%
41) Toluene-d8	7.56	98	560487	49.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.92%
43) trans-1,3-Dichloropropene-	7.85	79	98768	49.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.30%
47) 2-Hexanone-d5	8.31	63	222532	96.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.09%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	306032	50.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.08%
64) 1,2-Dichlorobenzene-d4	11.86	152	211338m	51.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.08%

Target Compounds

					Ovalue
13) Acetone	2.32	43	39013	11.354	ug/L 100
33) Benzene	5.39	78	279546	18.854	ug/L 100
51) Chlorobenzene	9.12	112	1937286	207.730	ug/L 98
62) 1,3-Dichlorobenzene	11.41	146	276085	41.251	ug/L 99
63) 1,4-Dichlorobenzene	11.50	146	1834701	266.281	ug/L 100
65) 1,2-Dichlorobenzene	11.87	146	1548945	228.879	ug/L 99
68) 1,2,4-trichlorobenzene	13.50	180	2114751	485.766	ug/L 99
70) 1,2,3-Trichlorobenzene	13.98	180	796475	173.259	ug/L 99

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

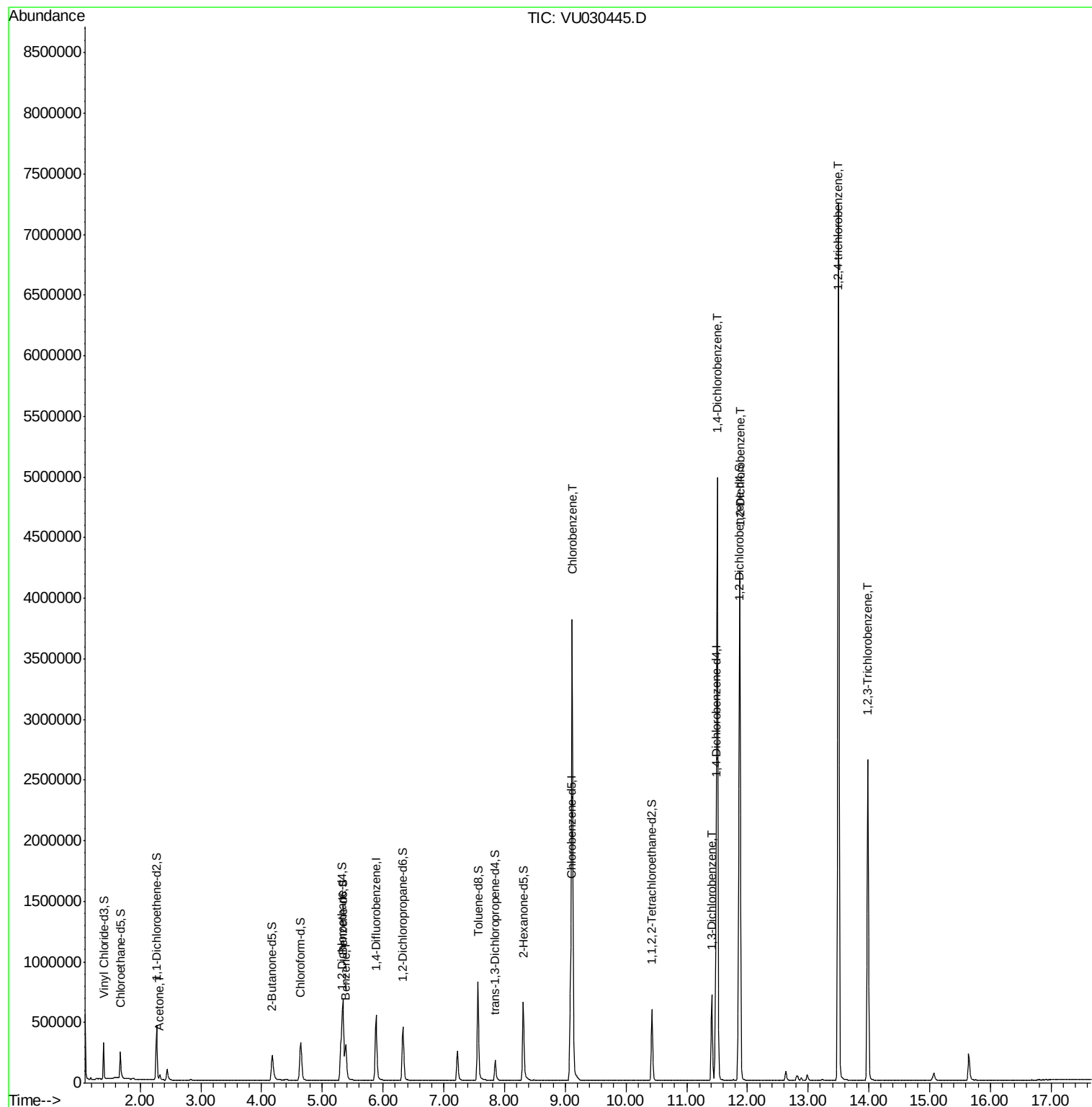
Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU032619\
Data File : VU030445.D
Acq On : 26 Mar 2019 15:29
Operator : JC/SP
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ALS Vial : 18 Sample Multiplier: 1

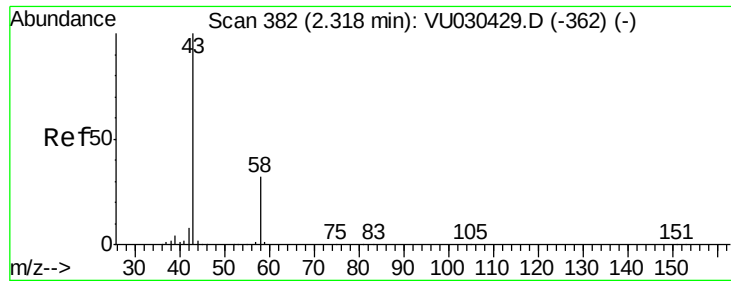
Instrument :
MSVOA_U
ClientSampleId :
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Quant Time: Apr 10 23:41:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 04:29:49 2019
Response via : Initial Calibration





#13

Acetone

Concen: 11.354 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030445.D

Acq: 26 Mar 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

C09D6

Tot Ion: 43 Resp: 39013

Ion Ratio Lower Upper

43 100

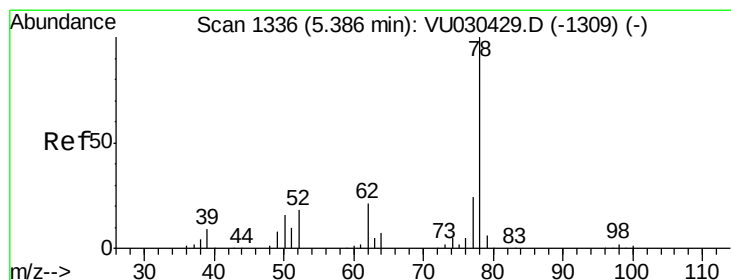
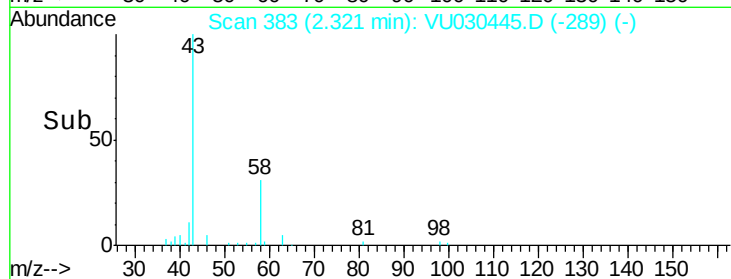
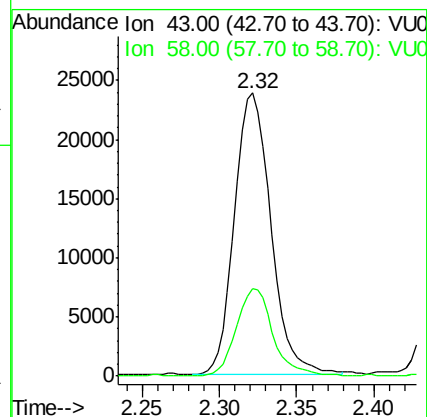
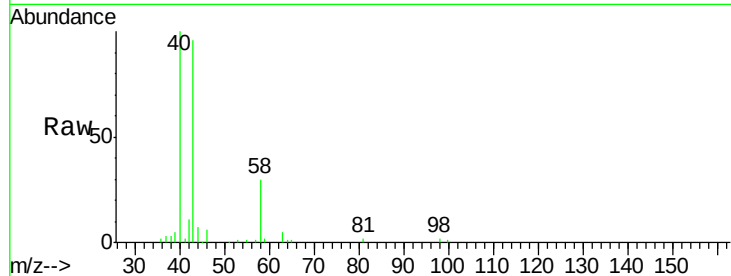
58 31.2 0.0 62.8

Manual Integrations

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#33

Benzene

Concen: 18.854 ug/L

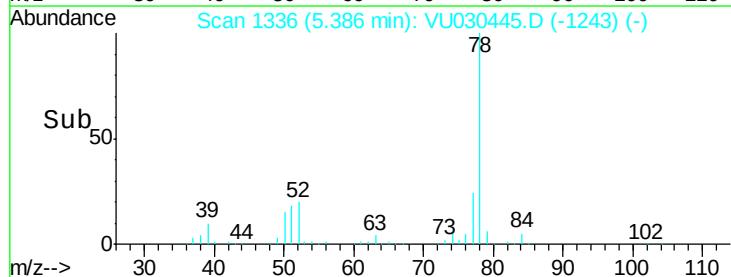
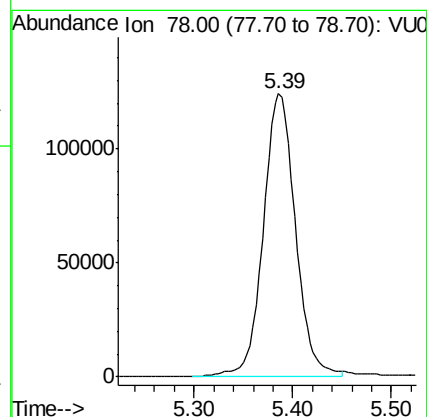
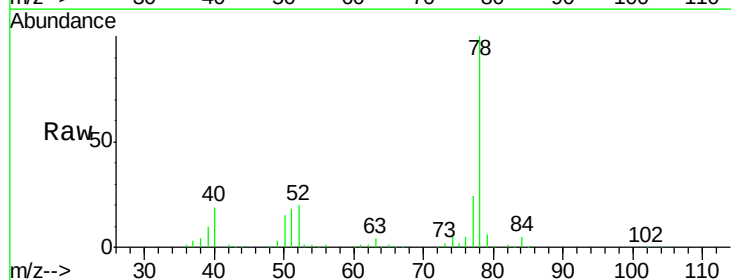
RT: 5.39 min Scan# 1336

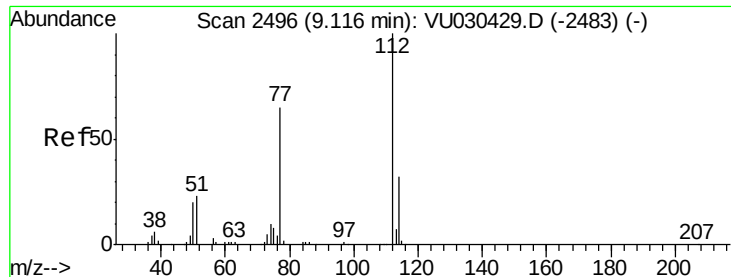
Delta R.T. -0.00 min

Lab File: VU030445.D

Acq: 26 Mar 2019 15:29

Tgt Ion: 78 Resp: 279546





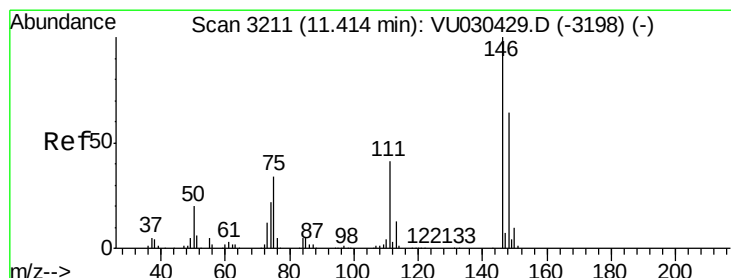
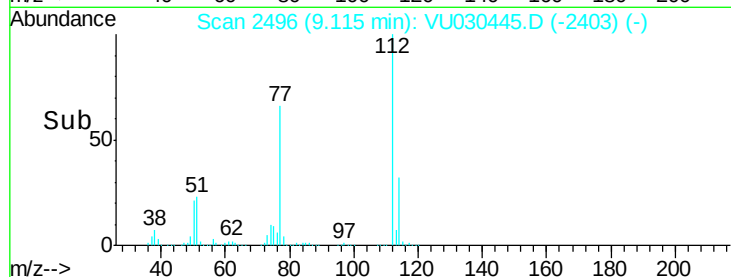
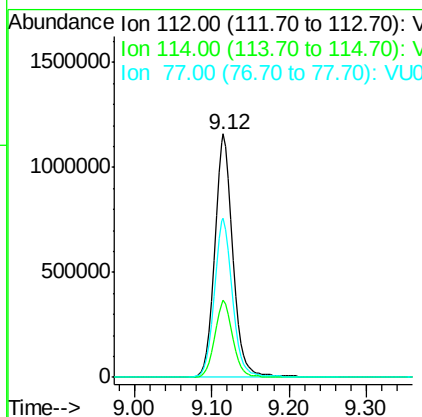
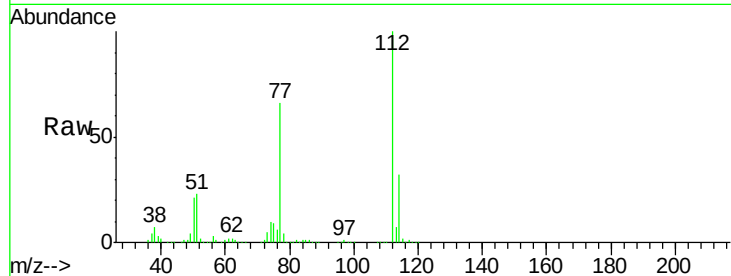
#51
Chlorobenzene
Concen: 207.730 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030445.D
Acq: 26 Mar 2019 15:29

Instrument :
MSVOA_U
ClientSampleId :
C09D6

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	21.5	39.9
77	65.5	51.4	77.0

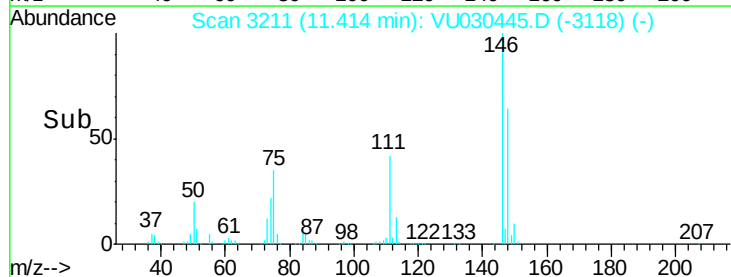
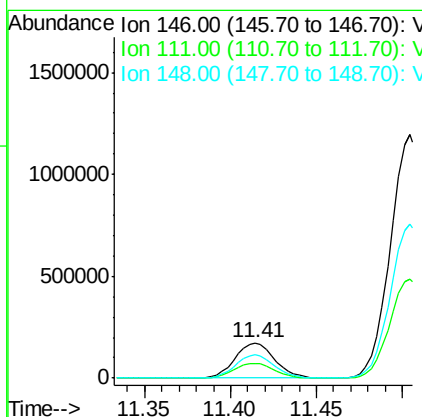
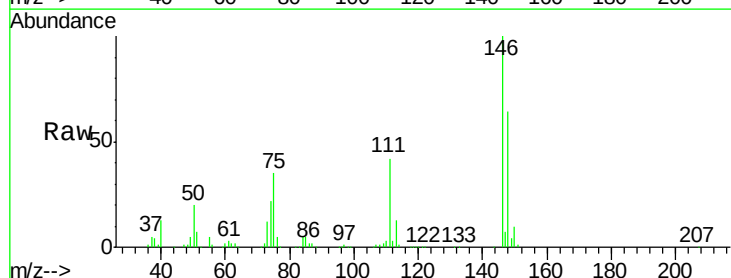
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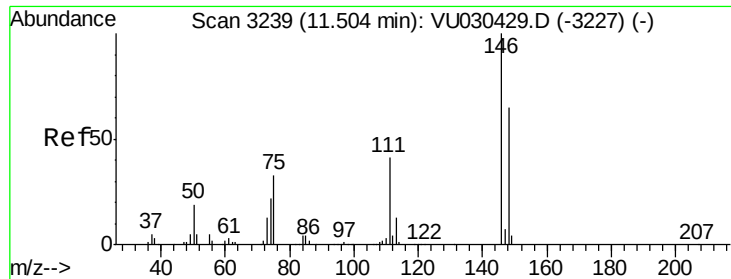
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#62
1,3-Dichlorobenzene
Concen: 41.251 ug/L
RT: 11.41 min Scan# 3211
Delta R.T. -0.00 min
Lab File: VU030445.D
Acq: 26 Mar 2019 15:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	29.2	54.2
148	64.3	44.4	82.4





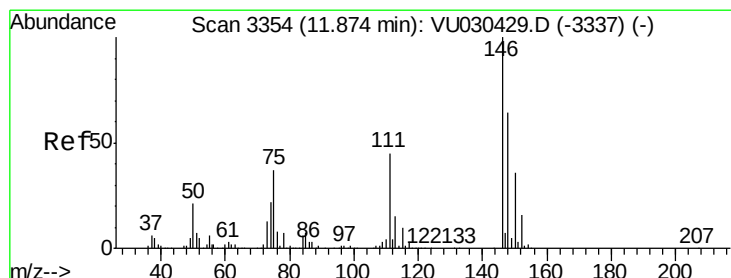
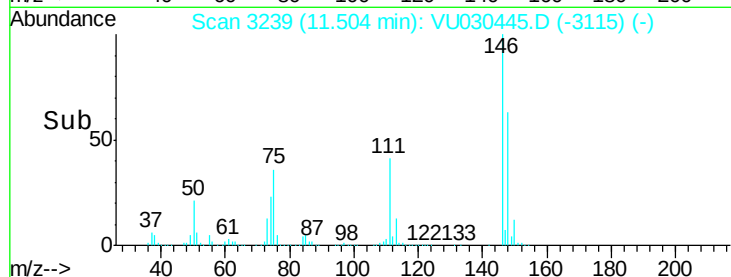
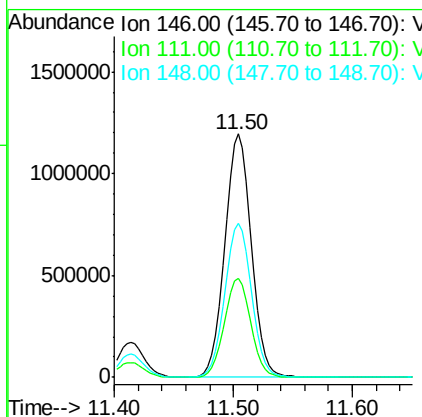
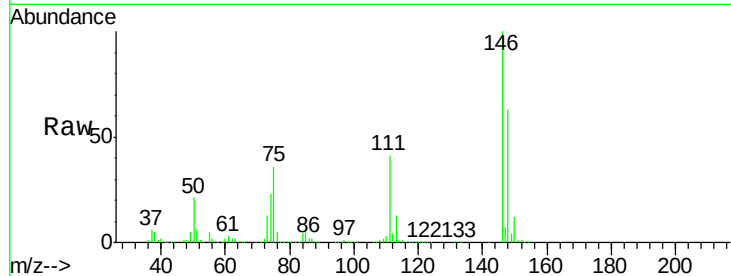
#63
 1,4-Dichlorobenzene
 Concen: 266.281 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030445.D
 Acq: 26 Mar 2019 15:29

Instrument :
 MSVOA_U
 ClientSampleId :
 C09D6

Tot Ion:146 Resp: 1834701
 Ion Ratio Lower Upper
 146 100
 111 40.8 28.7 53.3
 148 63.3 44.3 82.3

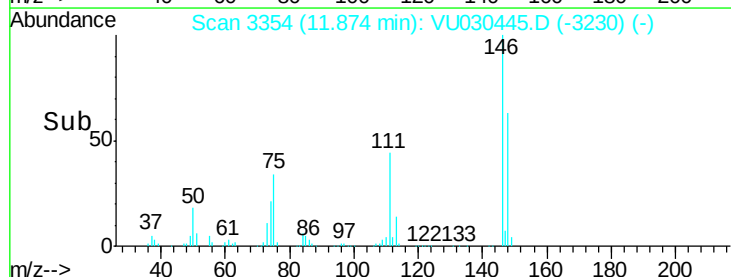
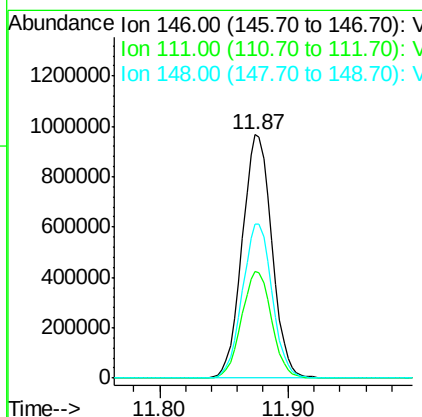
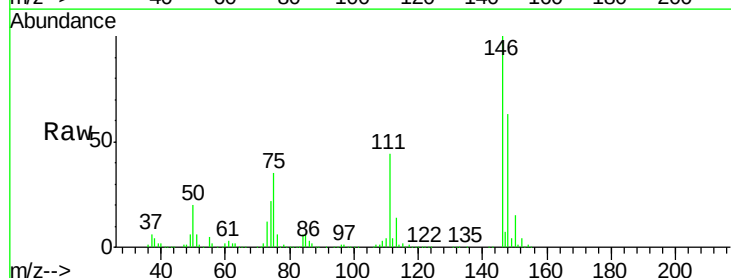
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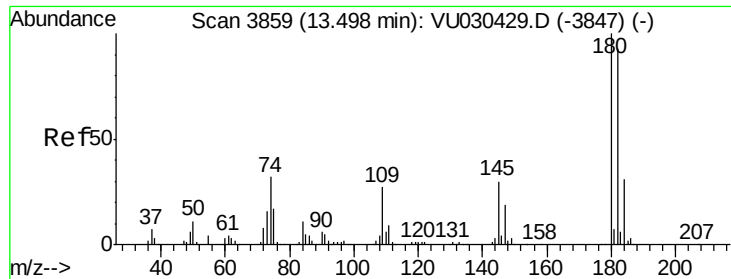
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 3/27/2019 9:55:35 AM



#65
 1,2-Dichlorobenzene
 Concen: 228.879 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU030445.D
 Acq: 26 Mar 2019 15:29

Tgt Ion:146 Resp: 1548945
 Ion Ratio Lower Upper
 146 100
 111 43.8 34.9 52.3
 148 63.1 51.2 76.8





#68

1,2,4-trichlorobenzene

Concen: 485.766 ug/L

RT: 13.50 min Scan# 3860

Delta R.T. 0.00 min

Lab File: VU030445.D

Acq: 26 Mar 2019 15:29

Instrument :

MSVOA_U

ClientSampled :

C09D6

Tot Ion:180 Resp: 2114751

Ion Ratio Lower Upper

180 100

182 96.0 76.1 114.1

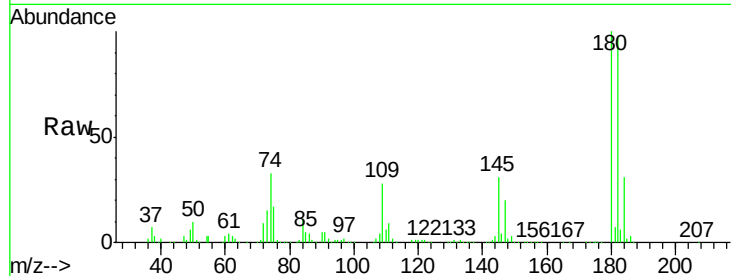
145 30.8 24.5 36.7

Manual Integrations

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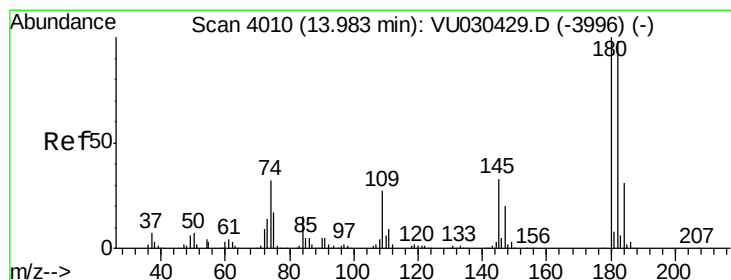
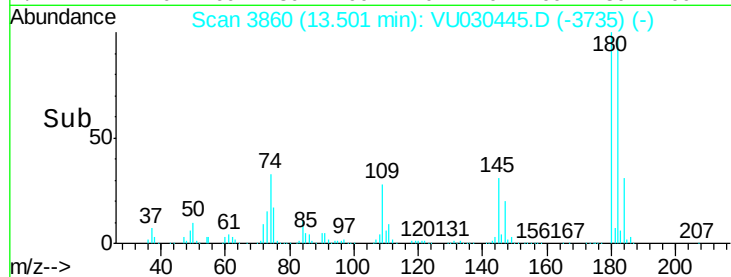
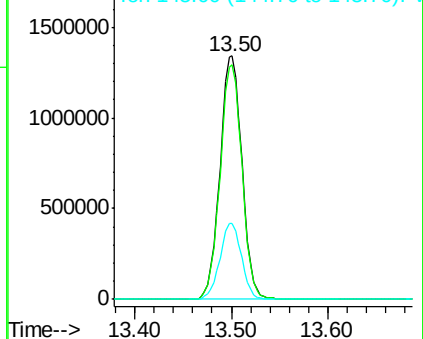
3/27/2019 9:55:35 AM



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



#70

1,2,3-Trichlorobenzene

Concen: 173.259 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU030445.D

Acq: 26 Mar 2019 15:29

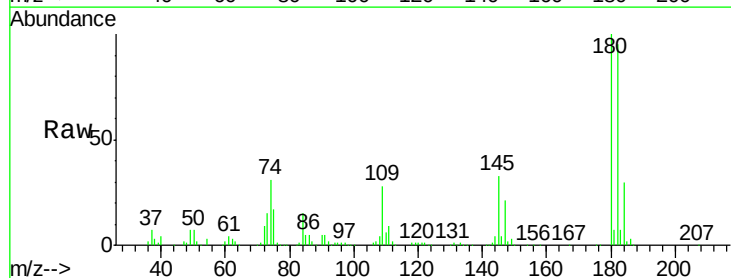
Tgt Ion:180 Resp: 796475

Ion Ratio Lower Upper

180 100

182 95.3 77.4 116.2

145 32.7 25.9 38.9



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

