

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032719\
 Data File : VU030484.D
 Acq On : 27 Mar 2019 15:30
 Operator : JC/SP
 Sample : K2022-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09C7

Manual Integrations
 APPROVED

MMDadoda
 3/28/2019 11:00:25 AM

Quant Time: Mar 28 03:53:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 28 01:25:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	426056	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	416948	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	183340	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	153957	44.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.80%
7) Chloroethane-d5	1.68	69	132530	48.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.52%
11) 1,1-Dichloroethene-d2	2.27	63	226777m	34.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.74%
21) 2-Butanone-d5	4.17	46	316343	98.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.14%
24) Chloroform-d	4.65	84	288349	48.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.62%
26) 1,2-Dichloroethane-d4	5.31	65	197204	51.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.02%
32) Benzene-d6	5.34	84	583505	48.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.33	67	210749	51.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.04%
41) Toluene-d8	7.56	98	507206	47.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.46%
43) trans-1,3-Dichloropropene-	7.85	79	92278	47.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.94%
47) 2-Hexanone-d5	8.31	63	205066	92.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.50%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	286517	48.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.88%
64) 1,2-Dichlorobenzene-d4	11.86	152	184678	50.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.54%

Target Compounds

					Ovalue
13) Acetone	2.32	43	8879	2.724 ug/L	99
51) Chlorobenzene	9.12	112	813263	91.097 ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	368776	61.507 ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	438468	71.037 ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	69348	11.439 ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	246724	63.263 ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	42358	10.286 ug/L	95

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

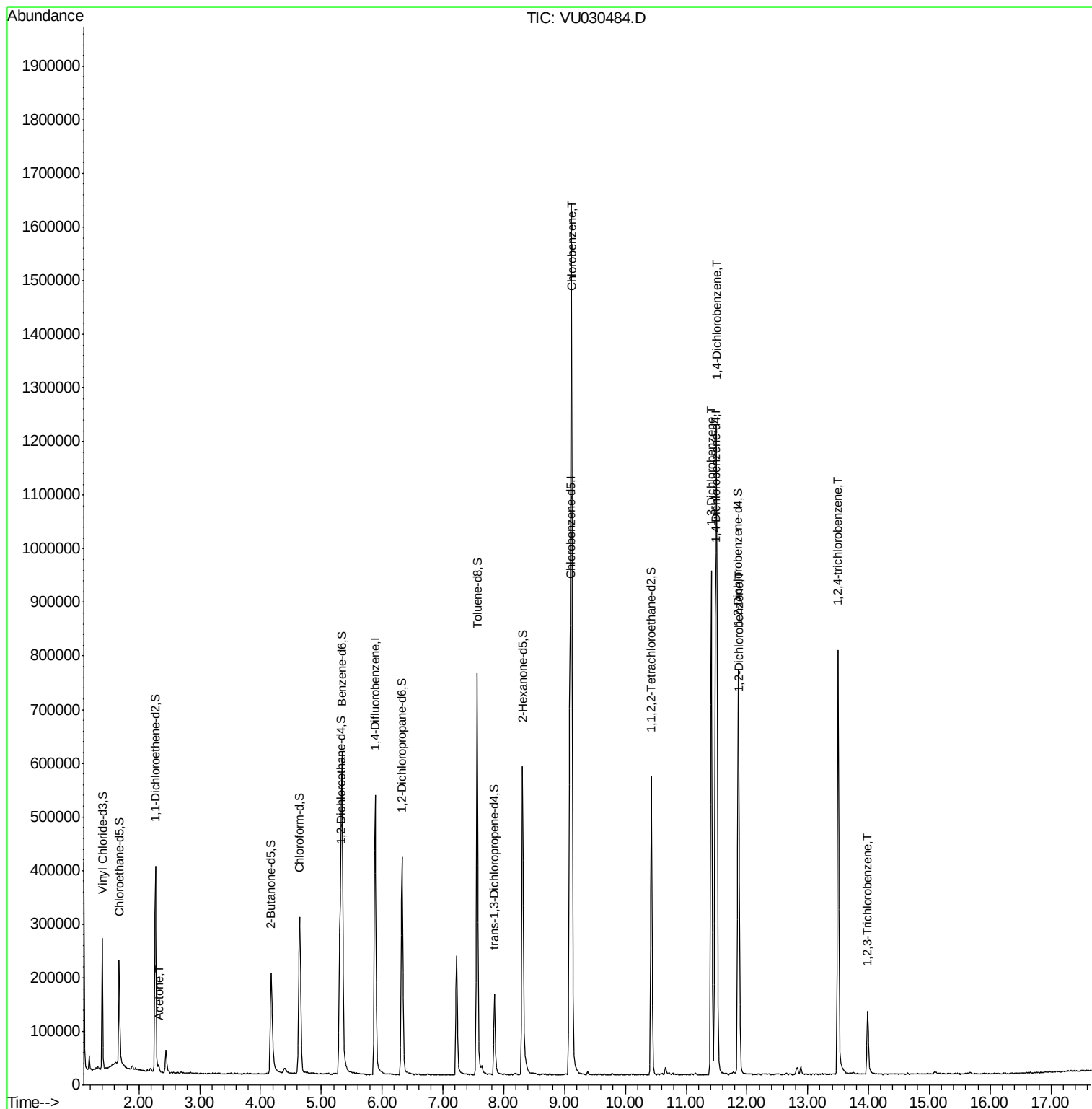
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032719\
Data File : VU030484.D
Acq On : 27 Mar 2019 15:30
Operator : JC/SP
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Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

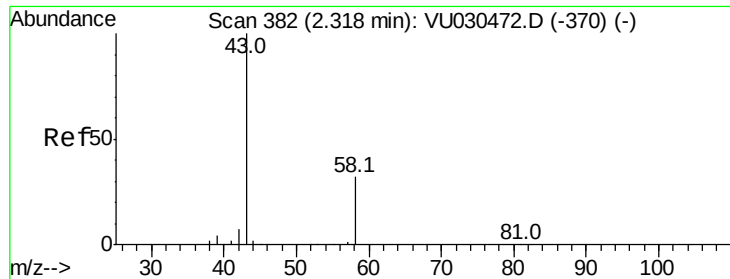
Instrument :
MSVOA_U
ClientSampleId :
C09C7

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Quant Time: Mar 28 03:53:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 28 01:25:46 2019
Response via : Initial Calibration





#13

Acetone

Concen: 2.724 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030484.D

Acq: 27 Mar 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

C09C7

Tot Ion: 43 Resp: 8879

Ion Ratio Lower Upper

43 100

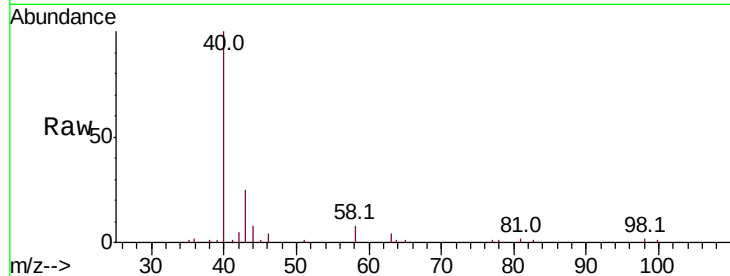
58 30.9 0.0 62.8

Manual Integrations

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3/28/2019 11:00:25 AM



Abundance Ion 43.00 (42.70 to 43.70): VU030472.D (-370) (-)

Ion 58.00 (57.70 to 58.70): VU030472.D (-370) (-)

2.32

6000

5000

4000

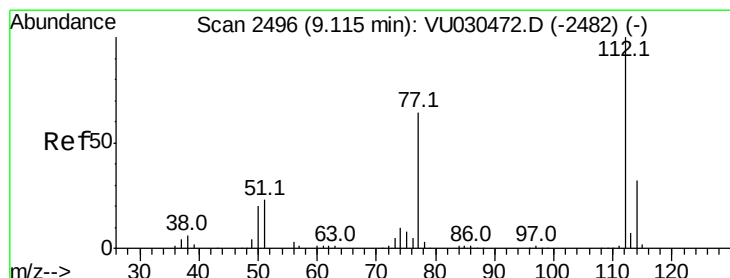
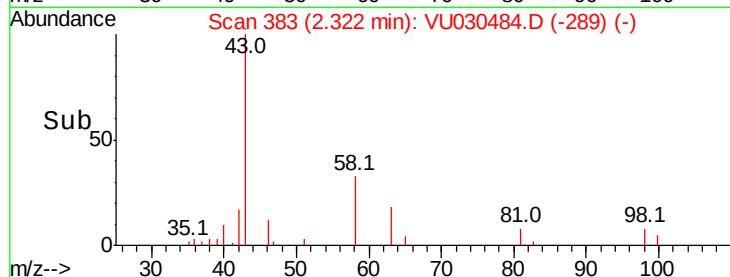
3000

2000

1000

0

Time-->



#51

Chlorobenzene

Concen: 91.097 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU030484.D

Acq: 27 Mar 2019 15:30

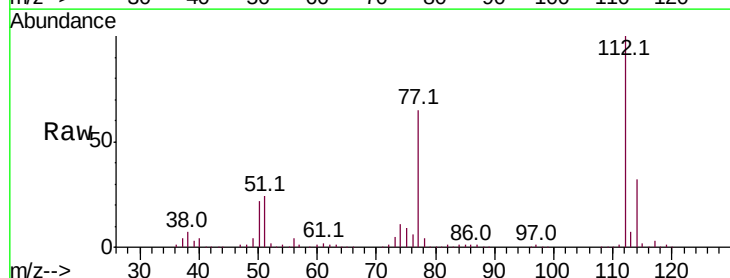
Tgt Ion: 112 Resp: 813263

Ion Ratio Lower Upper

112 100

114 31.8 21.5 39.9

77 65.4 51.4 77.0



Abundance Ion 112.00 (111.70 to 112.70): VU030472.D (-2482) (-)

Ion 114.00 (113.70 to 114.70): VU030472.D (-2482) (-)

Ion 77.00 (76.70 to 77.70): VU030472.D (-2482) (-)

9.12

600000

500000

400000

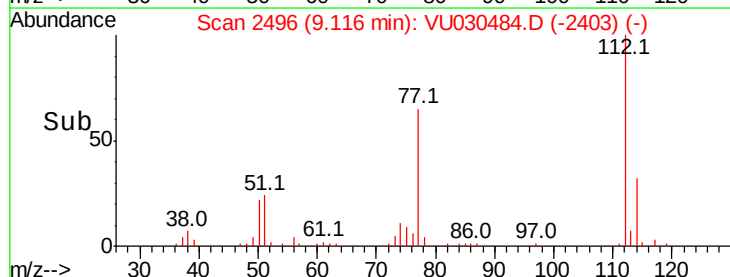
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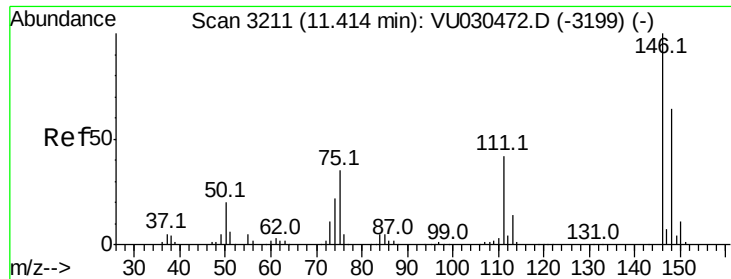
200000

100000

0

Time-->





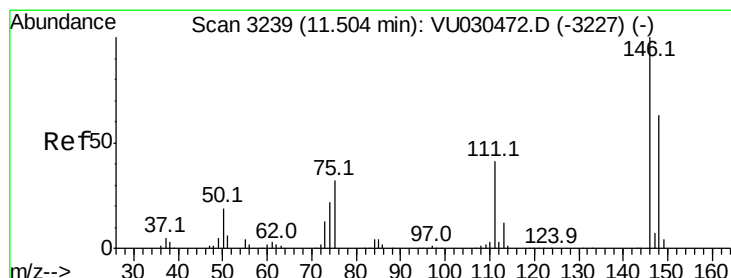
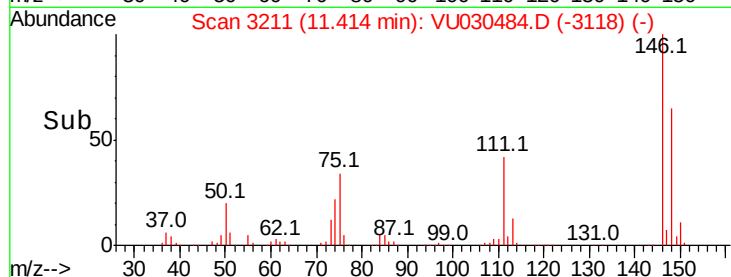
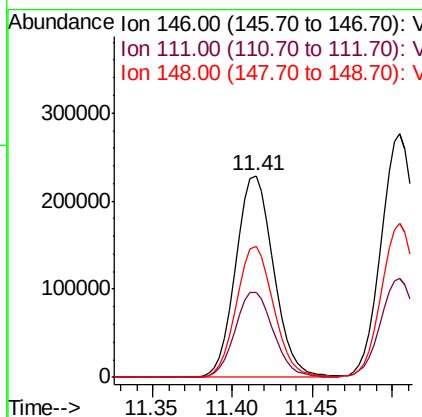
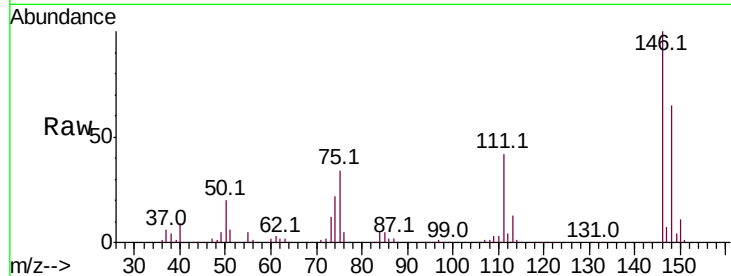
#62
 1,3-Dichlorobenzene
 Concen: 61.507 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU030484.D
 Acq: 27 Mar 2019 15:30

Instrument :
 MSVOA_U
 ClientSampled :
 C09C7

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	29.2	54.2
148	64.8	44.4	82.4

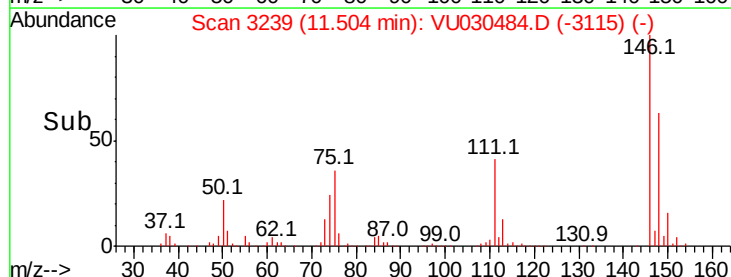
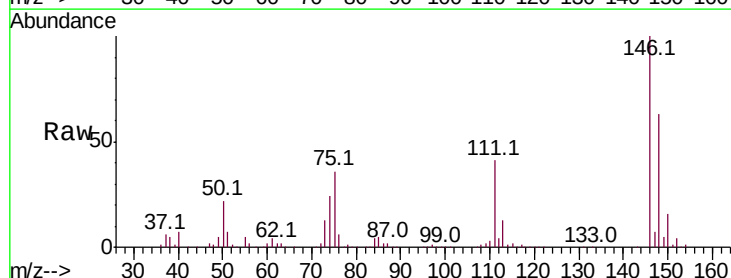
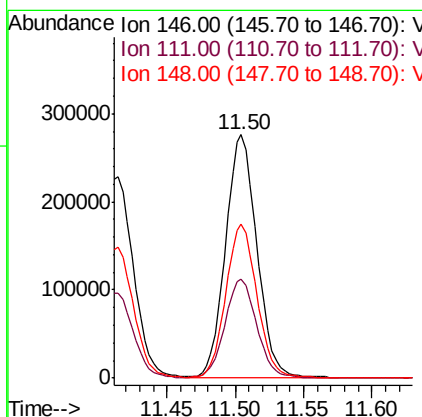
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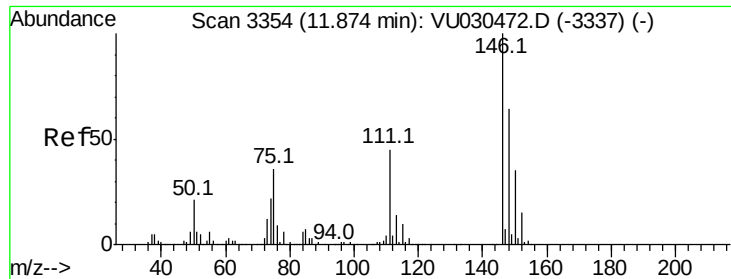
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#63
 1,4-Dichlorobenzene
 Concen: 71.037 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030484.D
 Acq: 27 Mar 2019 15:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	28.7	53.3
148	63.1	44.3	82.3





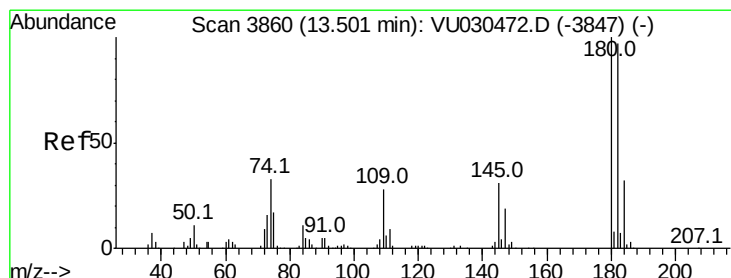
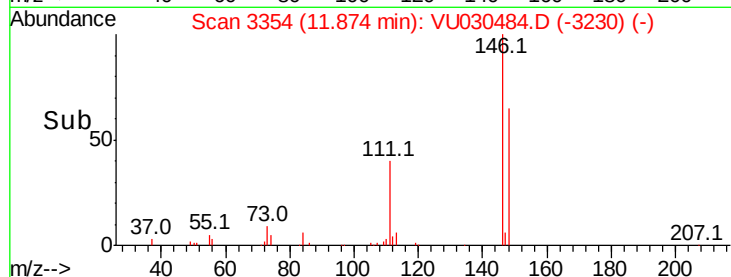
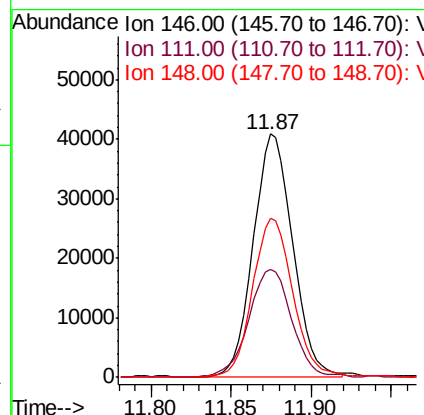
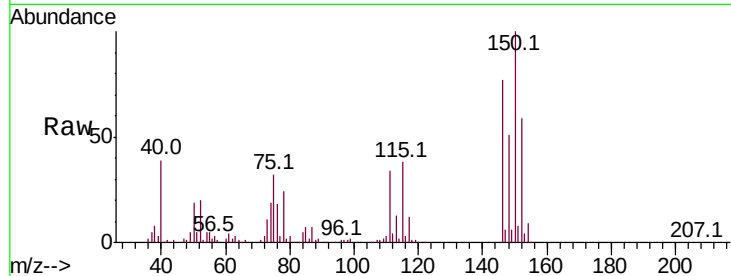
#65
 1,2-Dichlorobenzene
 Concen: 11.439 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU030484.D
 Acq: 27 Mar 2019 15:30

Instrument :
 MSVOA_U
 ClientSampled :
 C09C7

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	34.9	52.3
148	65.4	51.2	76.8

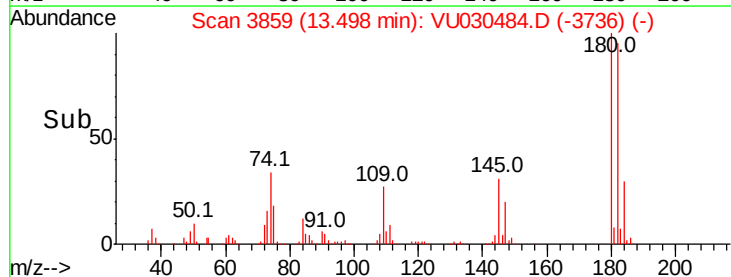
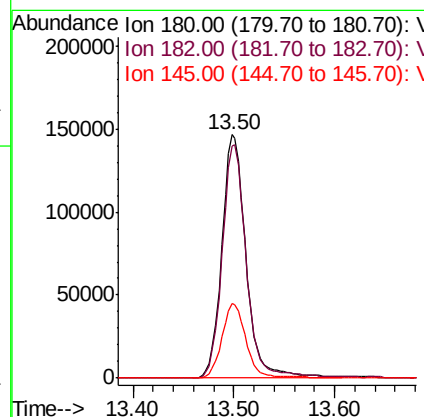
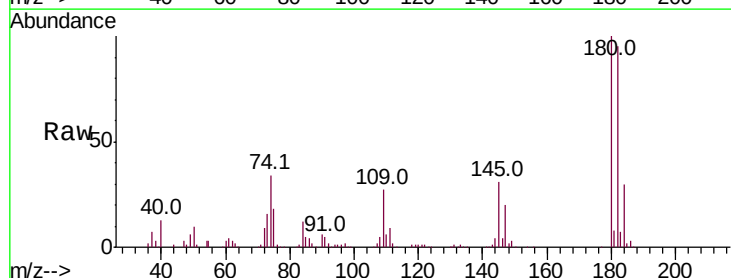
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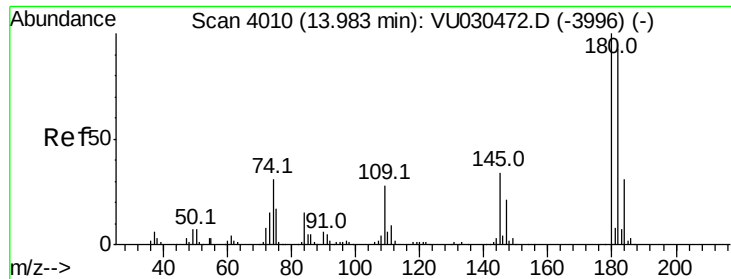
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 3/28/2019 11:00:25 AM



#68
 1,2,4-trichlorobenzene
 Concen: 63.263 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU030484.D
 Acq: 27 Mar 2019 15:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.1	114.1
145	30.0	24.5	36.7





#70
 1,2,3-Trichlorobenzene
 Concen: 10.286 ug/L
 RT: 13.98 min Scan# 4010
 Delta R.T. 0.00 min
 Lab File: VU030484.D
 Acq: 27 Mar 2019 15:30

Instrument :
 MSVOA_U
 ClientSampleId :
 C09C7

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.0	77.4	116.2
145	31.1	25.9	38.9

Manual Integrations
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