

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
 Data File : VU032496.D
 Acq On : 06 Jun 2019 14:53
 Operator : JC/SP
 Sample : K3224-01DL 500X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C57DL

Manual Integrations
 APPROVED

MMDadoda
 6/7/2019 10:17:59 AM

Quant Time: Jun 07 05:43:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 07 04:06:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	214407	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	200789	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	105358	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	43221	31.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	62.14%
7) Chloroethane-d5	1.68	69	40811	36.51	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.02%
11) 1,1-Dichloroethene-d2	2.27	63	70228	25.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	51.56%#
21) 2-Butanone-d5	4.17	46	106886	91.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.82%
24) Chloroform-d	4.64	84	108241	41.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.44%
26) 1,2-Dichloroethane-d4	5.30	65	74299	45.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.92%
32) Benzene-d6	5.33	84	223075	42.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.58%
36) 1,2-Dichloropropane-d6	6.32	67	73195	44.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.56%
41) Toluene-d8	7.56	98	211902	42.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.74%
43) trans-1,3-Dichloropropene-	7.85	79	35235	45.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.10%
47) 2-Hexanone-d5	8.31	63	72569	91.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.53%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	110423	46.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.24%
64) 1,2-Dichlorobenzene-d4	11.85	152	94679	46.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.84%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
33) Benzene	5.39	78	58610	10.389	ug/L	100
51) Chlorobenzene	9.11	112	167272	42.022	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	8212	2.576	ug/L	95
63) 1,4-Dichlorobenzene	11.50	146	73594	22.583	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	91928	28.526	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	11467	5.458	ug/L	96
70) 1,2,3-Trichlorobenzene	13.99	180	3676m	1.681	ug/L	

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

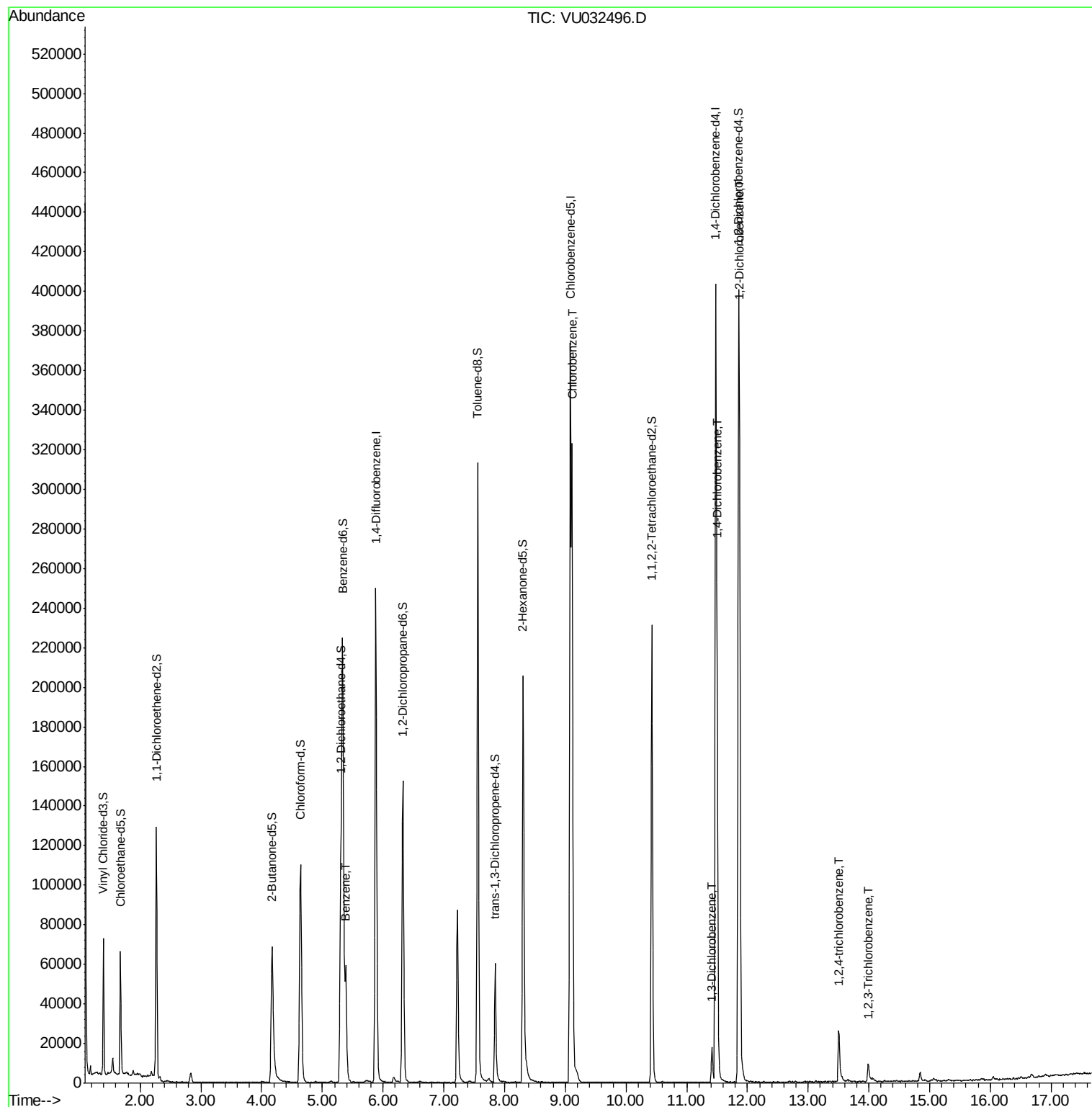
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU060619\
Data File : VU032496.D
Acq On : 06 Jun 2019 14:53
Operator : JC/SP
Sample : K3224-01DL 500X
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ALS Vial : 15 Sample Multiplier: 1

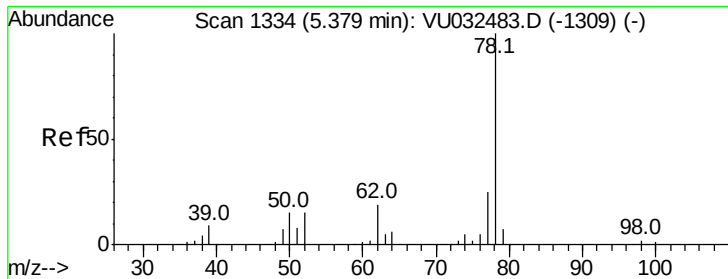
Instrument :
MSVOA_U
ClientSampleId :
C0C57DL

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Quant Time: Jun 07 05:43:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 07 04:06:44 2019
Response via : Initial Calibration





#33

Benzene

Concen: 10.389 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. 0.01 min

Lab File: VU032496.D

Acq: 06 Jun 2019 14:53

Instrument :

MSVOA_U

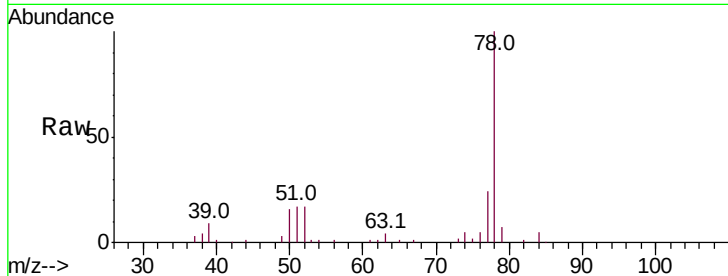
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C0C57DL

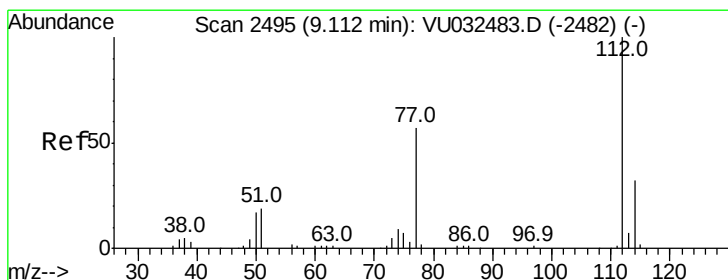
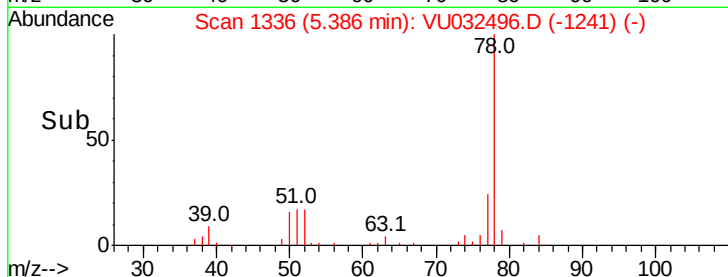
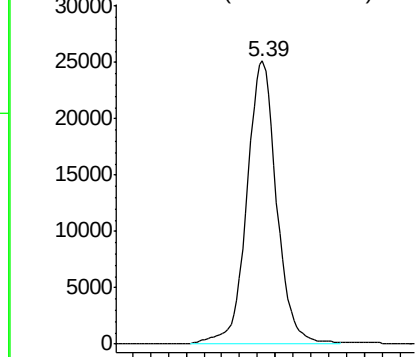
Tgt Ion: 78 Resp: 58610

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Abundance Ion 78.00 (77.70 to 78.70): VU



#51

Chlorobenzene

Concen: 42.022 ug/L

RT: 9.11 min Scan# 2495

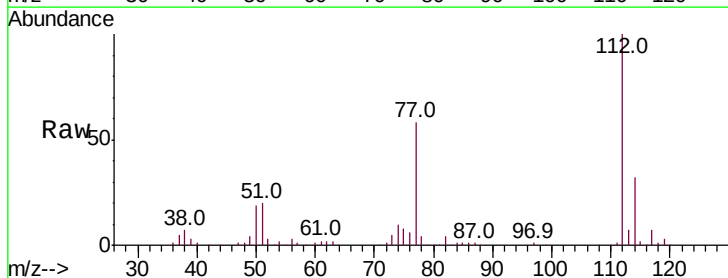
Delta R.T. -0.00 min

Lab File: VU032496.D

Acq: 06 Jun 2019 14:53

Tgt Ion: 112 Resp: 167272

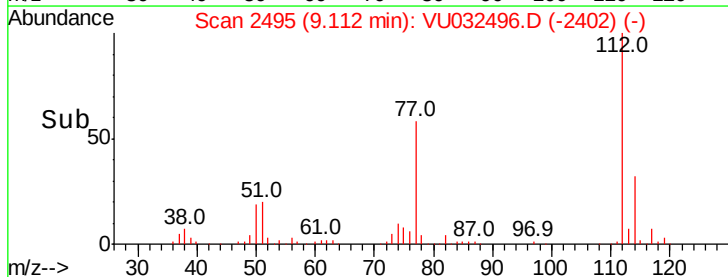
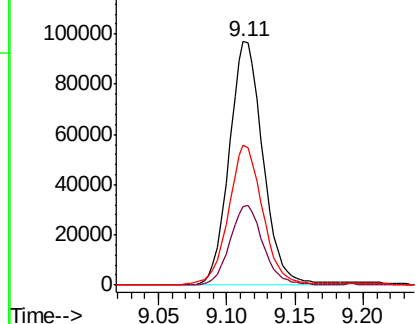
Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.6	42.0
77	57.7	46.1	69.1

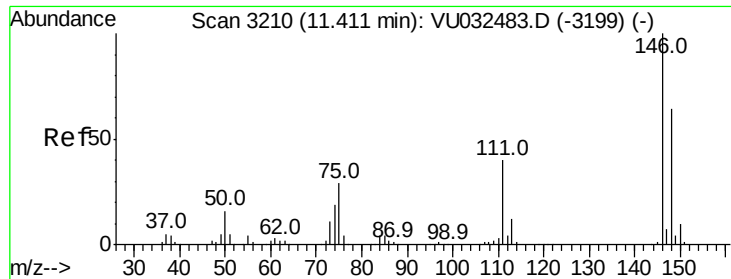


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





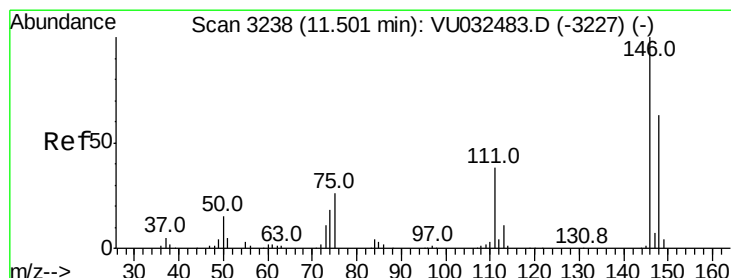
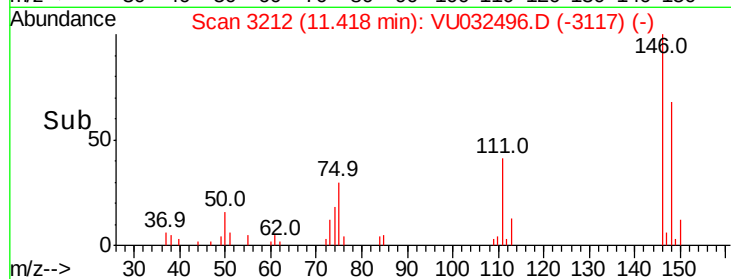
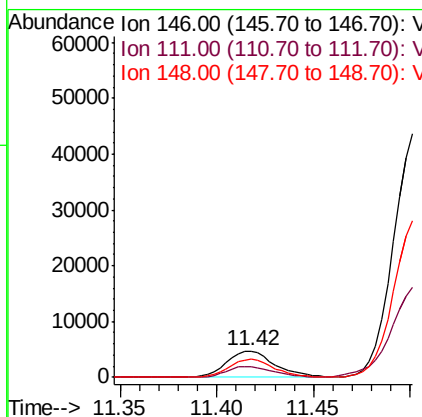
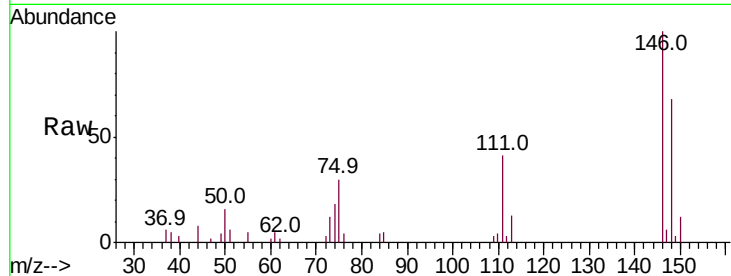
#62
 1,3-Dichlorobenzene
 Concen: 2.576 ug/L
 RT: 11.42 min Scan# 3212
 Delta R.T. 0.01 min
 Lab File: VU032496.D
 Acq: 06 Jun 2019 14:53

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C57DL

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	27.3	50.7
148	68.2	44.4	82.5

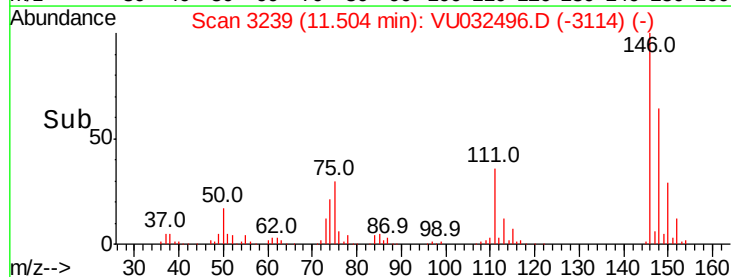
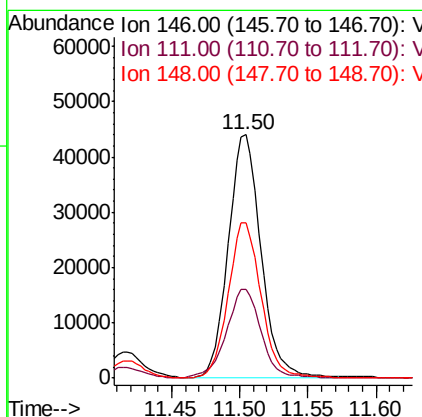
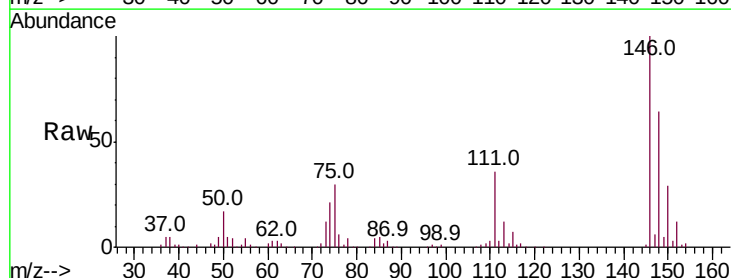
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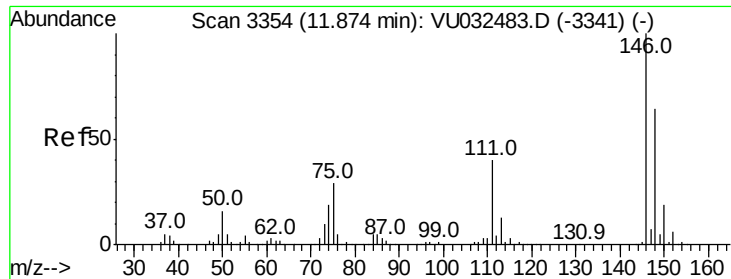
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#63
 1,4-Dichlorobenzene
 Concen: 22.583 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU032496.D
 Acq: 06 Jun 2019 14:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	26.6	49.4
148	63.6	44.9	83.5





#65

1,2-Dichlorobenzene

Concen: 28.526 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU032496.D

Acq: 06 Jun 2019 14:53

Instrument :

MSVOA_U

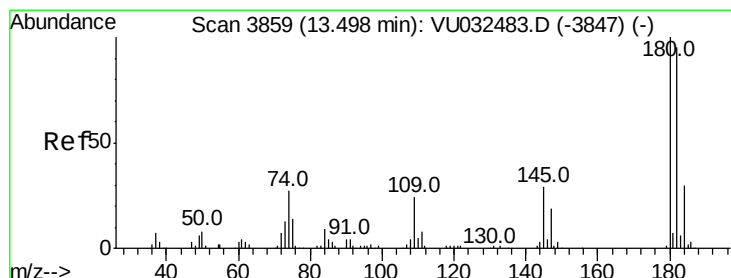
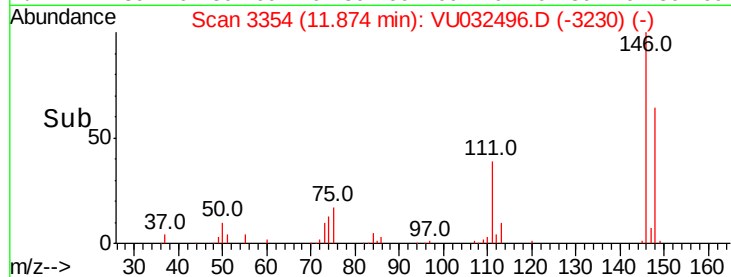
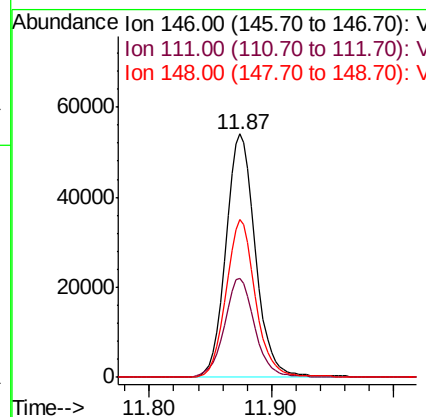
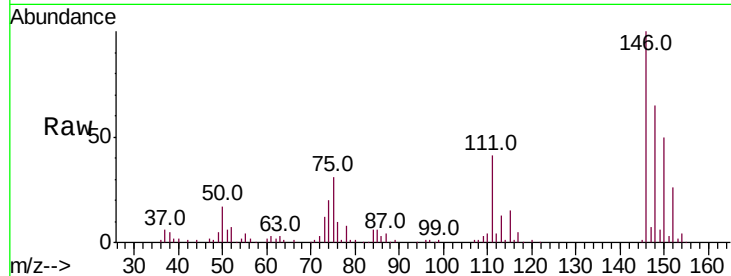
ClientSampled :

C0C57DL

Tot Ion:	146	Resp:	91928
Ion Ratio	Lower	Upper	
146	100		
111	40.9	32.6	48.8
148	64.8	50.5	75.7

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#68

1,2,4-trichlorobenzene

Concen: 5.458 ug/L

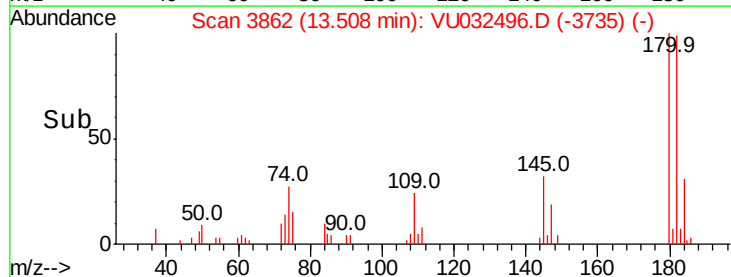
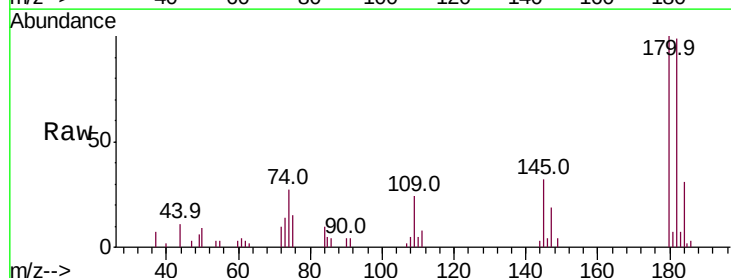
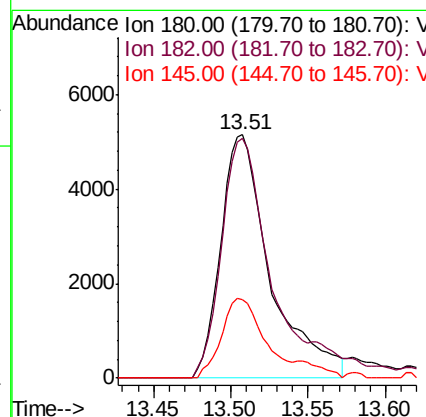
RT: 13.51 min Scan# 3862

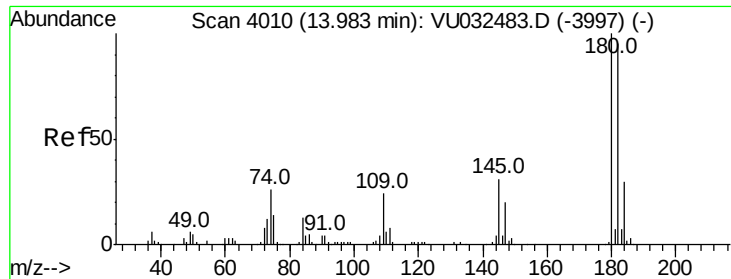
Delta R.T. 0.01 min

Lab File: VU032496.D

Acq: 06 Jun 2019 14:53

Tgt Ion:	180	Resp:	11467
Ion Ratio	Lower	Upper	
180	100		
182	91.3	76.5	114.7
145	27.9	23.8	35.6





#70
 1,2,3-Trichlorobenzene
 Concen: 1.681 ug/L m
 RT: 13.99 min Scan# 4012
 Delta R.T. 0.01 min
 Lab File: VU032496.D
 Acq: 06 Jun 2019 14:53

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C57DL

Tot Ion	Ratio	Resp	Lower	Upper
180	100	3676		
182	4.1		76.7	115.1#
145	1.3		25.4	38.2#

Manual Integrations
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