

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032619\
 Data File : VU030454.D
 Acq On : 26 Mar 2019 19:29
 Operator : JC/SP
 Sample : K2022-16 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09E4

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 9:56:00 AM

Quant Time: Mar 27 07:12:56 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	459416	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	450458	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	210843	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	169020	45.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.42%
7) Chloroethane-d5	1.67	69	142026	48.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.92%
11) 1,1-Dichloroethene-d2	2.27	63	242540	34.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.16%
21) 2-Butanone-d5	4.17	46	358760	103.22	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.22%
24) Chloroform-d	4.64	84	307554	48.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.56%
26) 1,2-Dichloroethane-d4	5.31	65	210790	50.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.14%
32) Benzene-d6	5.34	84	619987	47.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.98%
36) 1,2-Dichloropropane-d6	6.33	67	220777	49.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.90%
41) Toluene-d8	7.56	98	532747	45.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.84%
43) trans-1,3-Dichloropropene-	7.85	79	96396	46.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.76%
47) 2-Hexanone-d5	8.31	63	231246	96.55	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.55%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	299770	47.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	205416m	48.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.24%

Target Compounds

					Ovalue
33) Benzene	5.39	78	179086	11.679	ug/L 100
51) Chlorobenzene	9.12	112	16105015m	1669.785	ug/L
62) 1,3-Dichlorobenzene	11.41	146	626757	90.898	ug/L 98
63) 1,4-Dichlorobenzene	11.50	146	2261632	318.613	ug/L 99
65) 1,2-Dichlorobenzene	11.88	146	4869599	698.443	ug/L 100
68) 1,2,4-trichlorobenzene	13.50	180	177175	39.504	ug/L 98
70) 1,2,3-Trichlorobenzene	13.99	180	29537	6.237	ug/L 94

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

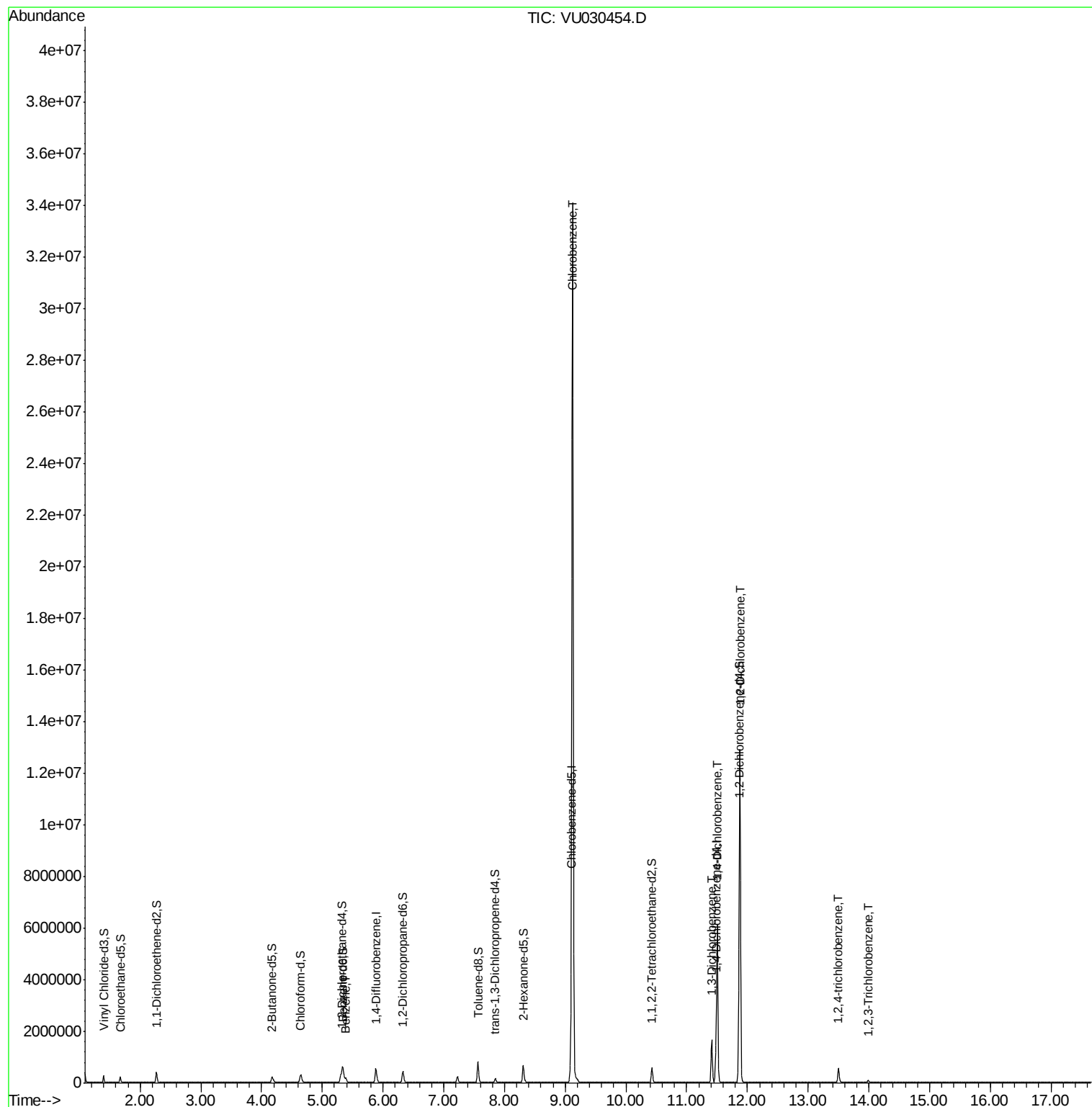
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032619\
Data File : VU030454.D
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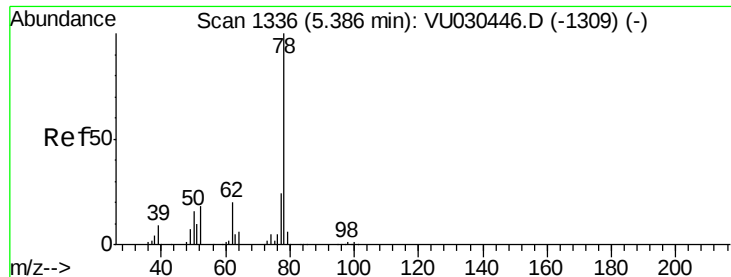
Instrument :
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Quant Title : VOC Analysis
QLast Update : Wed Mar 27 06:00:22 2019
Response via : Initial Calibration





#33

Benzene

Concen: 11.679 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU030454.D

Acq: 26 Mar 2019 19:29

Instrument :

MSVOA_U

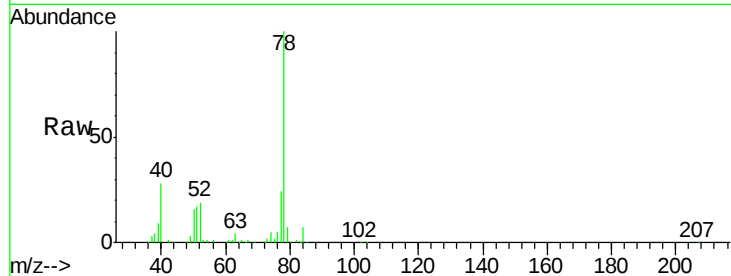
ClientSampleId :

C09E4

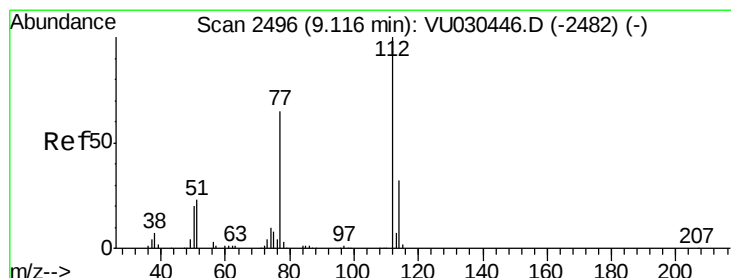
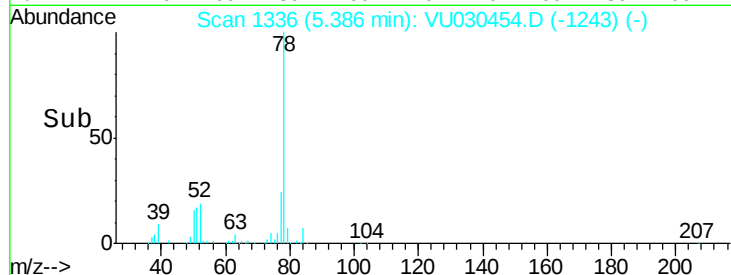
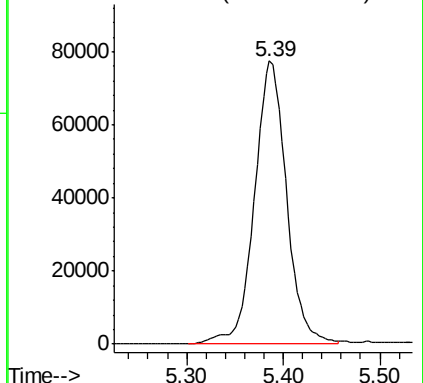
Tgt Ion: 78 Resp: 179086

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Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 1669.785 ug/L m

RT: 9.12 min Scan# 2496

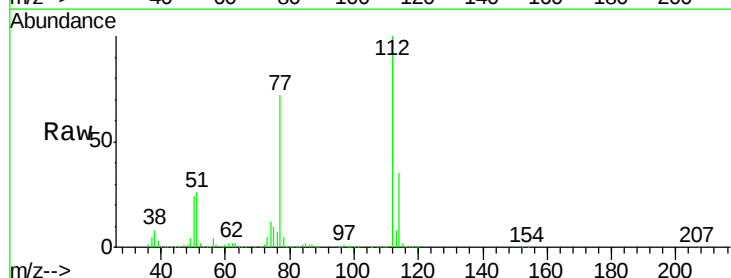
Delta R.T. 0.00 min

Lab File: VU030454.D

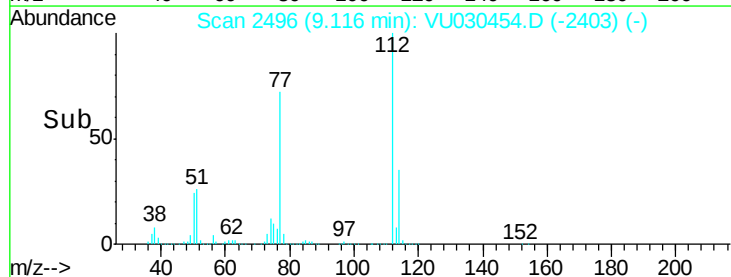
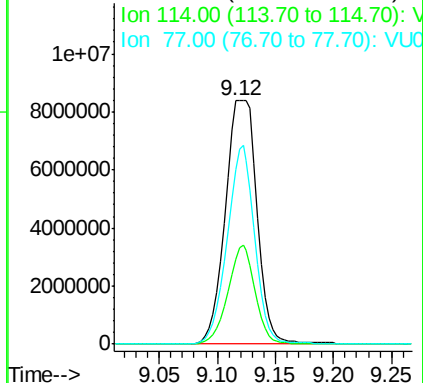
Acq: 26 Mar 2019 19:29

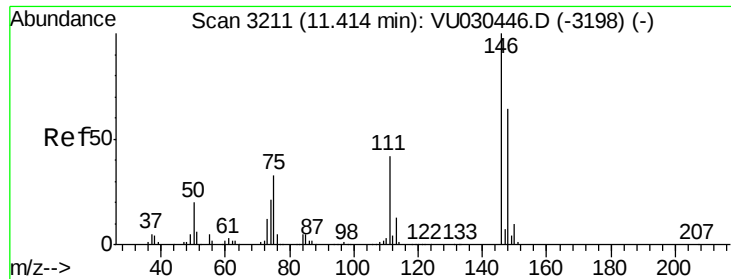
Tgt Ion: 112 Resp: 16105015

Ion	Ratio	Lower	Upper
112	100		
114	34.8	21.5	39.9
77	71.8	51.4	77.0



Abundance Ion 112.00 (111.70 to 112.70): V





#62

1,3-Dichlorobenzene

Concen: 90.898 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU030454.D

Acq: 26 Mar 2019 19:29

Instrument :

MSVOA_U

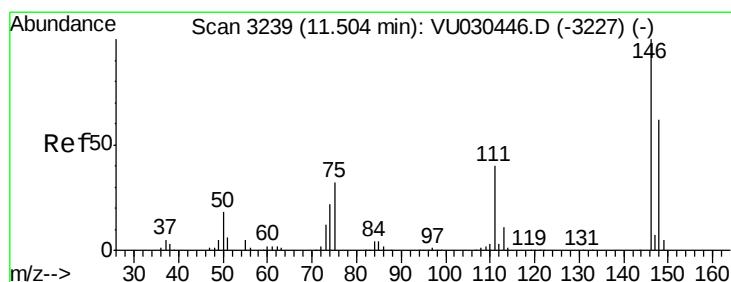
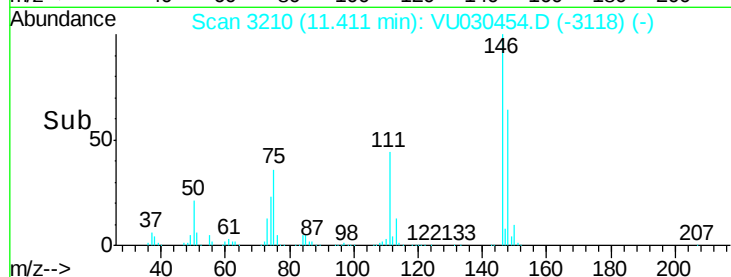
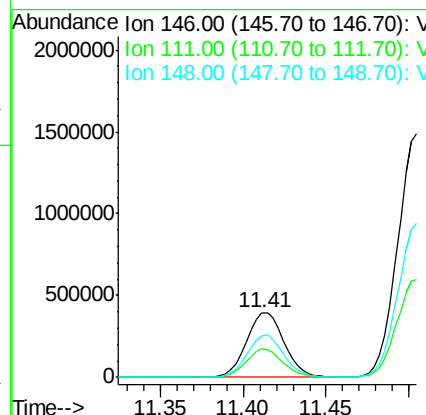
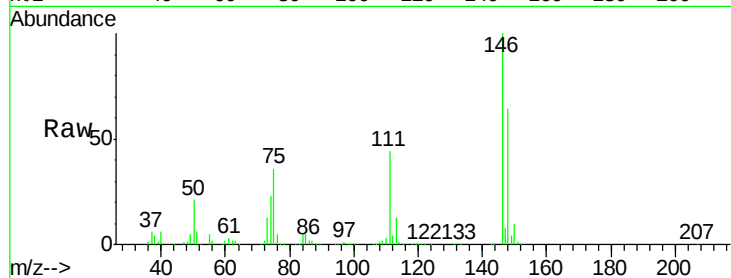
ClientSampleId :

C09E4

Tot Ion:	146	Resp:	626757
Ion Ratio	Lower	Upper	
146	100		
111	43.6	29.2	54.2
148	64.4	44.4	82.4

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#63

1,4-Dichlorobenzene

Concen: 318.613 ug/L

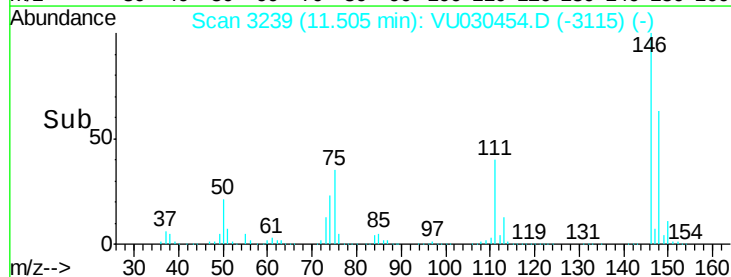
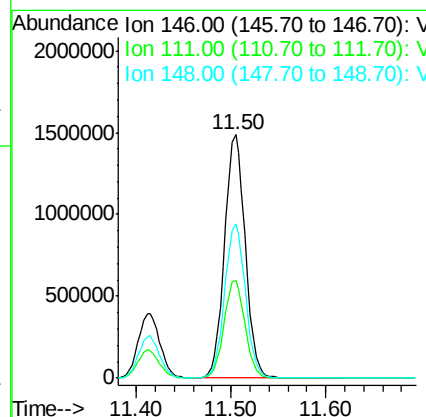
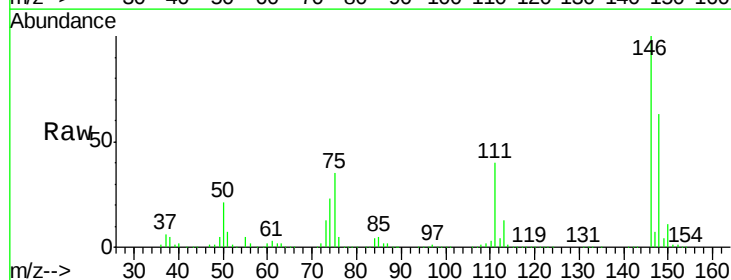
RT: 11.50 min Scan# 3239

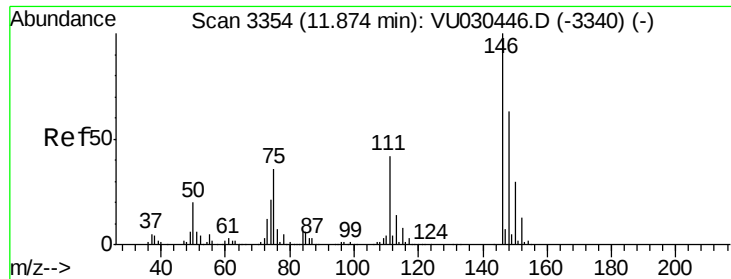
Delta R.T. 0.00 min

Lab File: VU030454.D

Acq: 26 Mar 2019 19:29

Tgt Ion:	146	Resp:	2261632
Ion Ratio	Lower	Upper	
146	100		
111	40.0	28.7	53.3
148	63.3	44.3	82.3





#65

1,2-Dichlorobenzene

Concen: 698.443 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU030454.D

Acq: 26 Mar 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

C09E4

Tot Ion:146 Resp: 4869599

Ion Ratio Lower Upper

146 100

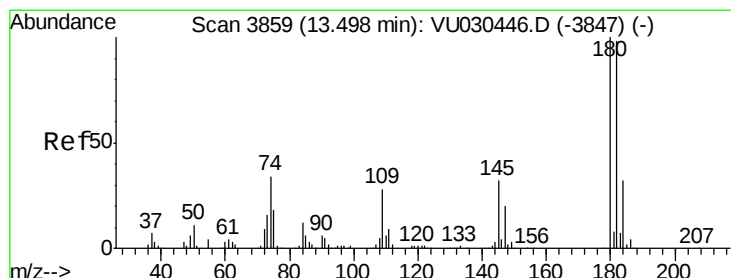
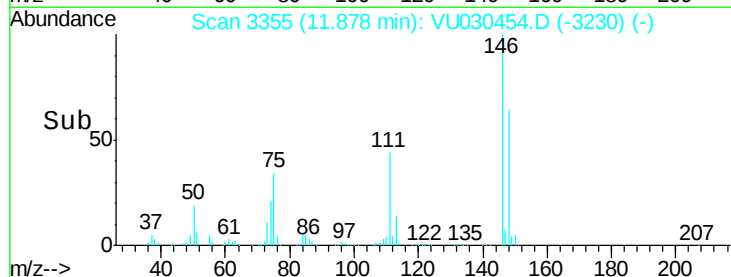
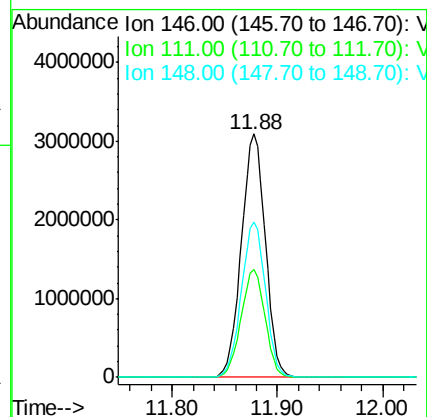
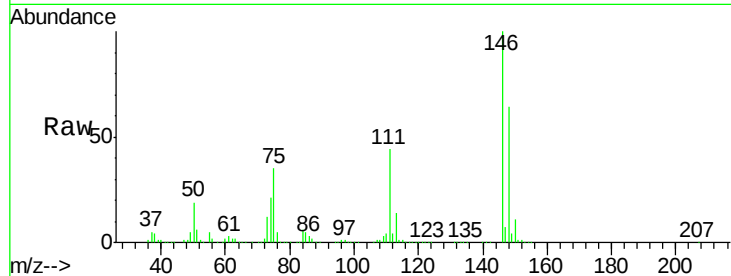
111 44.1 34.9 52.3

148 63.9 51.2 76.8

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3/27/2019 9:56:00 AM



#68

1,2,4-trichlorobenzene

Concen: 39.504 ug/L

RT: 13.50 min Scan# 3860

Delta R.T. 0.00 min

Lab File: VU030454.D

Acq: 26 Mar 2019 19:29

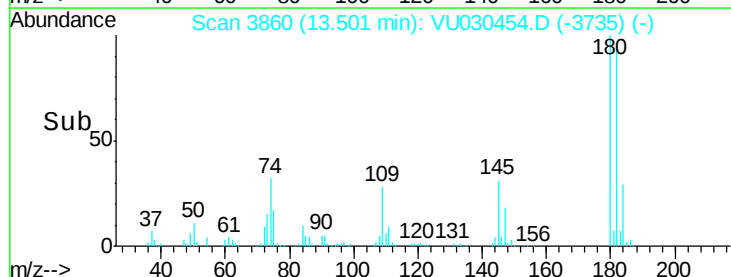
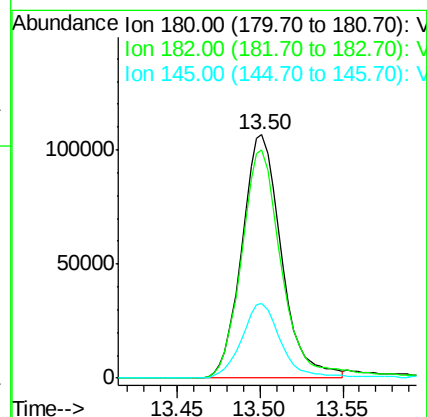
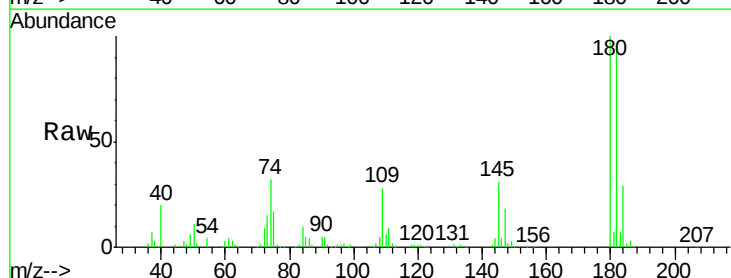
Tgt Ion:180 Resp: 177175

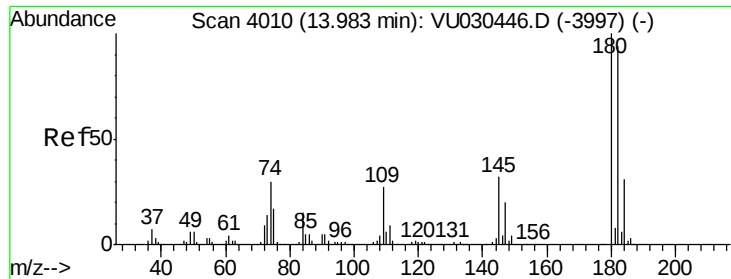
Ion Ratio Lower Upper

180 100

182 97.3 76.1 114.1

145 30.7 24.5 36.7





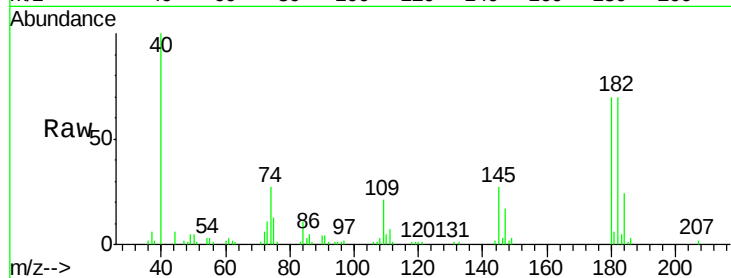
#70
 1,2,3-Trichlorobenzene
 Concen: 6.237 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU030454.D
 Acq: 26 Mar 2019 19:29

Instrument :
 MSVOA_U
 ClientSampleId :
 C09E4

Tot Ion	Ratio	Lower	Upper
180	100		
182	102.2	77.4	116.2
145	36.3	25.9	38.9

Manual Integrations
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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

