

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032719\
 Data File : VU030498.D
 Acq On : 27 Mar 2019 21:05
 Operator : JC/SP
 Sample : K2022-15DL 1000X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09D9DL

Manual Integrations
 APPROVED

MMDadoda
 3/28/2019 11:00:33 AM

Quant Time: Mar 28 04:18:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 28 02:45:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	432782	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	405562	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	163681	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	151025	43.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.72%
7) Chloroethane-d5	1.68	69	131005	47.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.90%
11) 1,1-Dichloroethene-d2	2.27	63	224498	33.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.96%
21) 2-Butanone-d5	4.17	46	344686	105.27	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.27%
24) Chloroform-d	4.65	84	293793	48.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.92%
26) 1,2-Dichloroethane-d4	5.31	65	201052	51.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.40%
32) Benzene-d6	5.34	84	579694	49.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.68%
36) 1,2-Dichloropropane-d6	6.33	67	208221	52.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.66%
41) Toluene-d8	7.56	98	498886	47.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.52%
43) trans-1,3-Dichloropropene-	7.85	79	87875	46.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.92%
47) 2-Hexanone-d5	8.31	63	212261	98.44	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.44%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	287909	50.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.12%
64) 1,2-Dichlorobenzene-d4	11.85	152	173855	53.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.02%

Target Compounds

					Ovalue
33) Benzene	5.39	78	179503	13.002	ug/L 100
51) Chlorobenzene	9.12	112	460527	53.034	ug/L 99
62) 1,3-Dichlorobenzene	11.42	146	10512	1.964	ug/L 96
63) 1,4-Dichlorobenzene	11.50	146	102155	18.538	ug/L 96
65) 1,2-Dichlorobenzene	11.87	146	135625	25.058	ug/L 98
68) 1,2,4-trichlorobenzene	13.51	180	7690m	2.209	ug/L

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

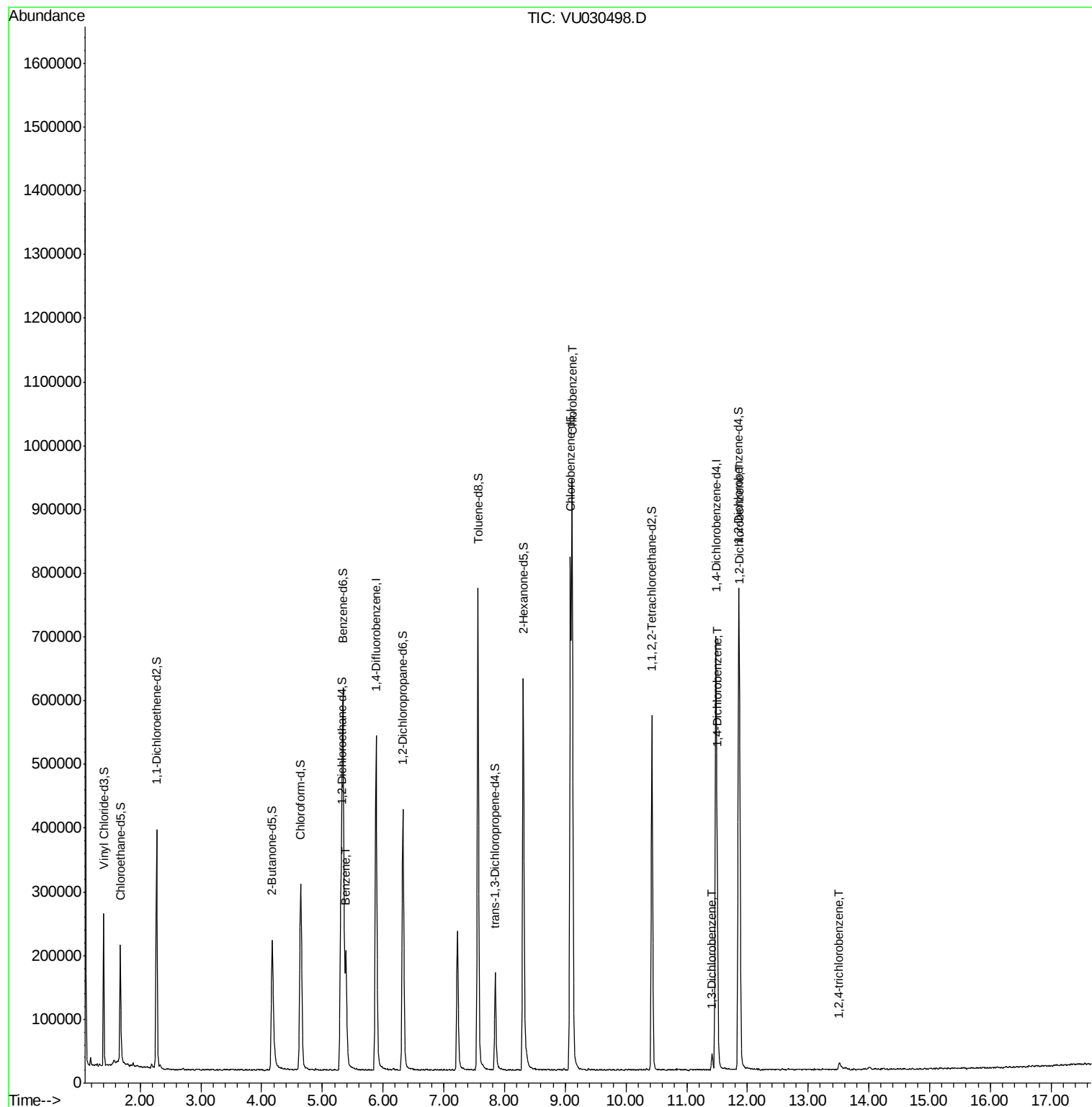
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032719\
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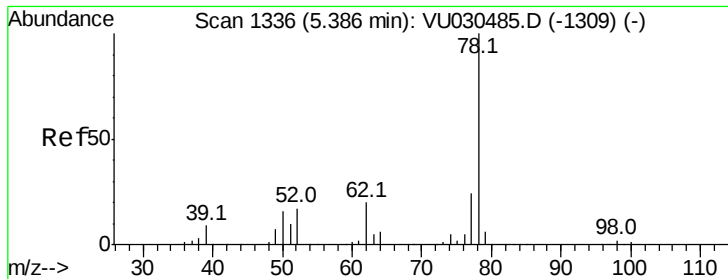
Instrument :
MSVOA_U
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 28 02:45:06 2019
Response via : Initial Calibration





#33

Benzene

Concen: 13.002 ug/L

RT: 5.39 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU030498.D

Acq: 27 Mar 2019 21:05

Instrument :

MSVOA_U

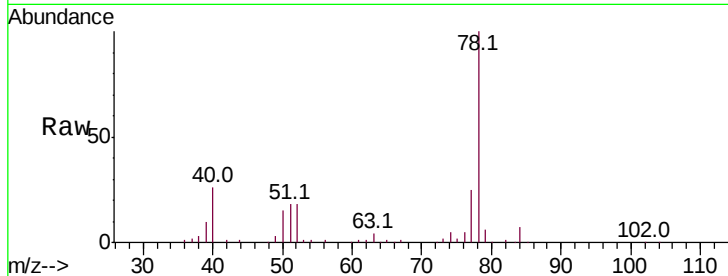
ClientSampleId :

C09D9DL

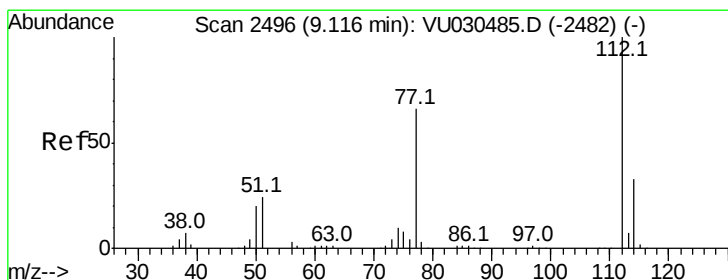
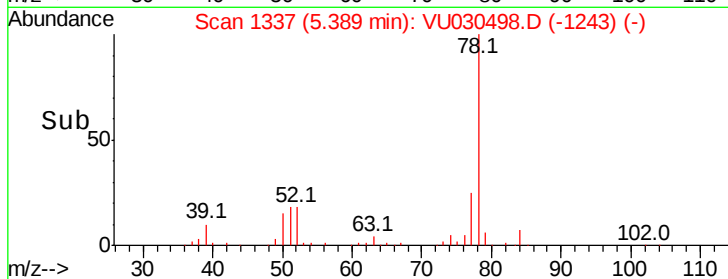
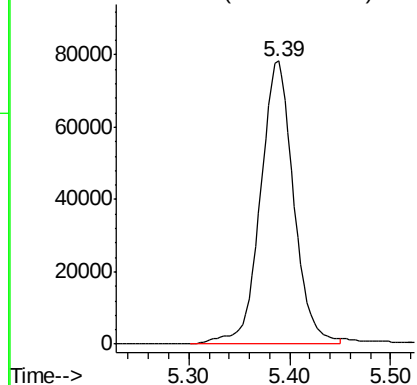
Tgt Ion: 78 Resp: 179503

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Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 53.034 ug/L

RT: 9.12 min Scan# 2496

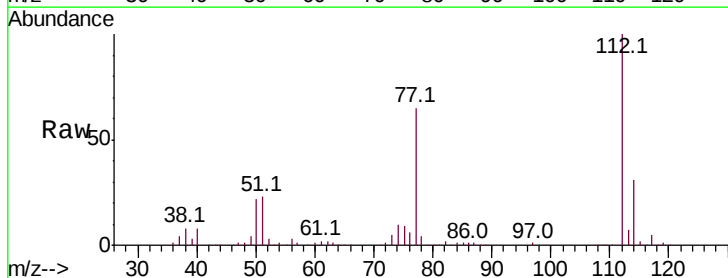
Delta R.T. -0.00 min

Lab File: VU030498.D

Acq: 27 Mar 2019 21:05

Tgt Ion: 112 Resp: 460527

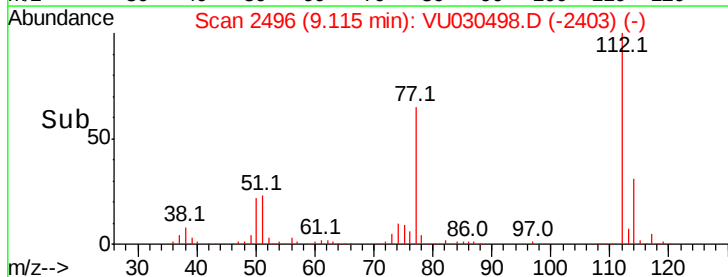
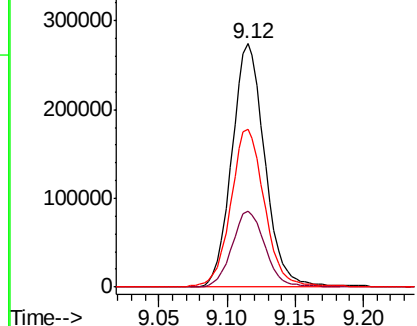
Ion	Ratio	Lower	Upper
112	100		
114	31.3	21.5	39.9
77	65.1	51.4	77.0

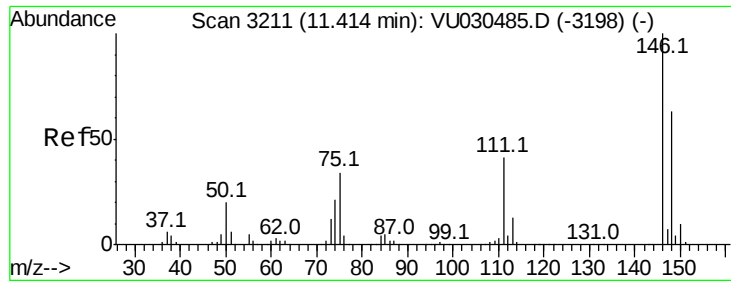


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 1.964 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030498.D

Acq: 27 Mar 2019 21:05

Instrument :

MSVOA_U

ClientSampled :

C09D9DL

Tot Ion:146 Resp: 10512

Ion Ratio Lower Upper

146 100

111 42.9 29.2 54.2

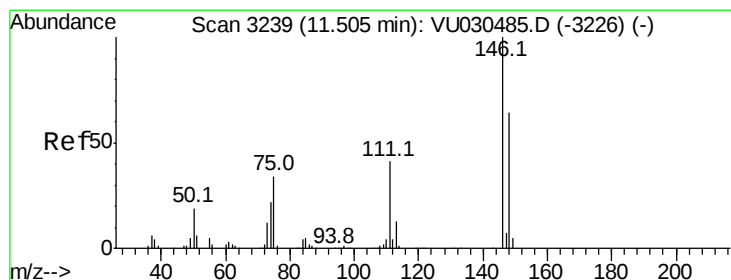
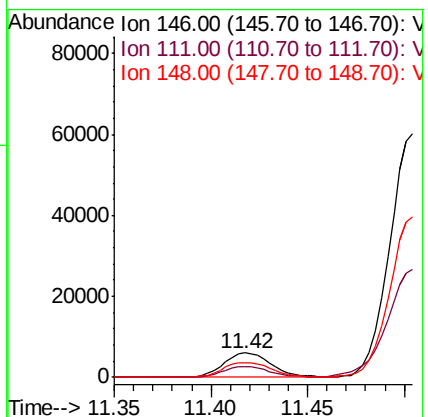
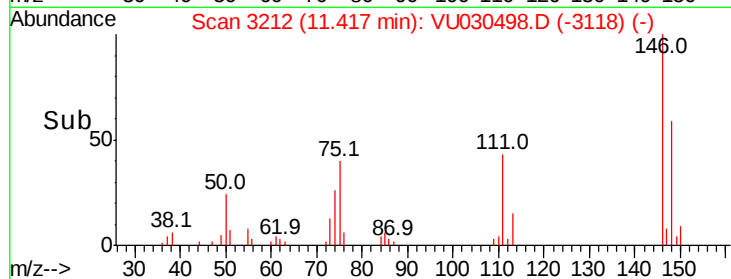
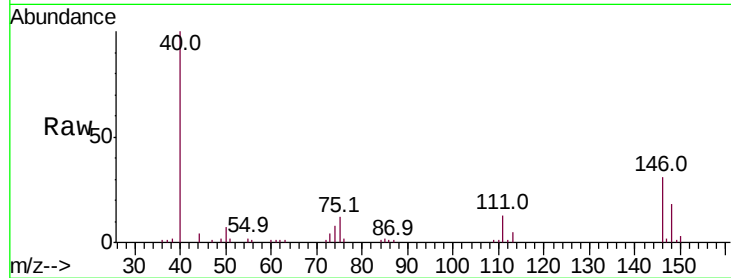
148 58.7 44.4 82.4

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#63

1,4-Dichlorobenzene

Concen: 18.538 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU030498.D

Acq: 27 Mar 2019 21:05

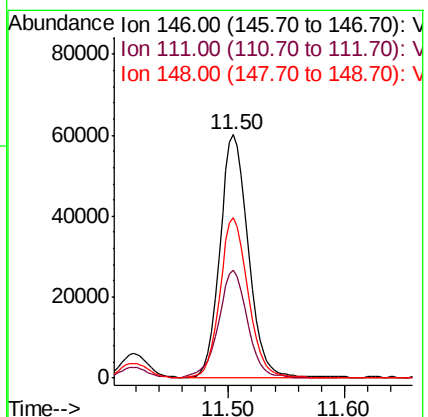
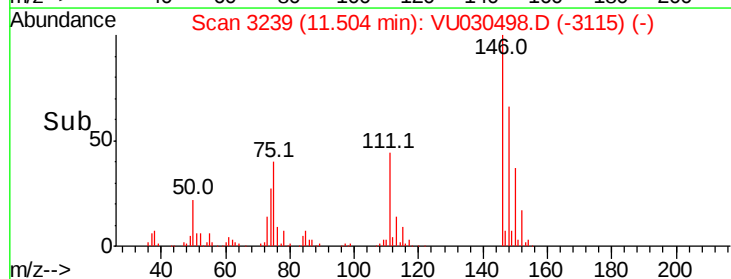
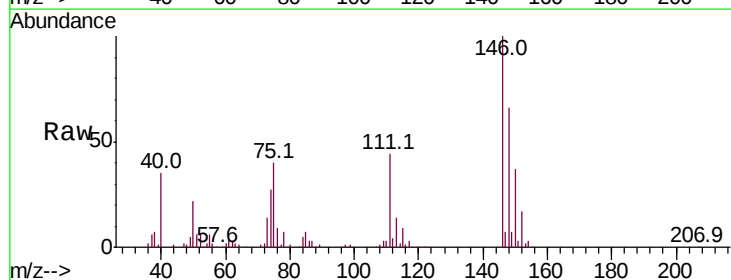
Tgt Ion:146 Resp: 102155

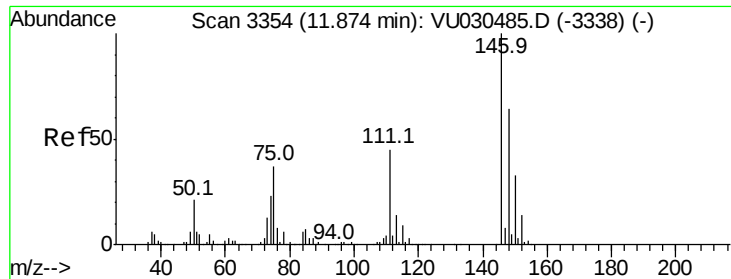
Ion Ratio Lower Upper

146 100

111 44.2 28.7 53.3

148 65.9 44.3 82.3





#65

1,2-Dichlorobenzene

Concen: 25.058 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU030498.D

Acq: 27 Mar 2019 21:05

Instrument :

MSVOA_U

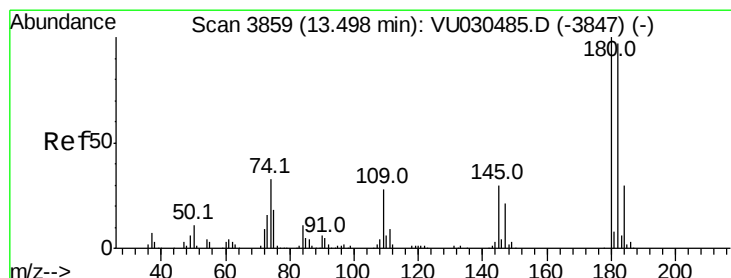
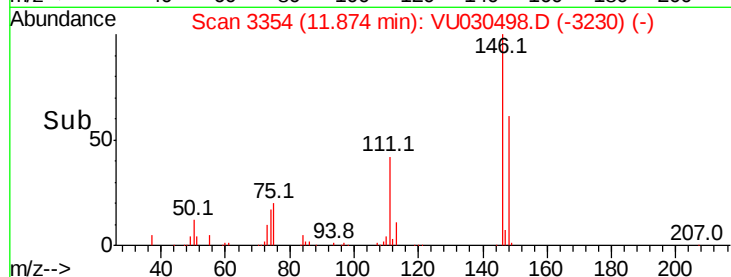
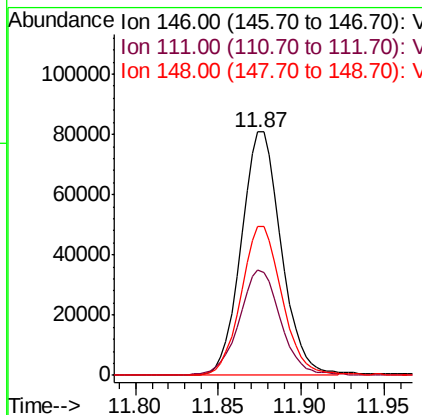
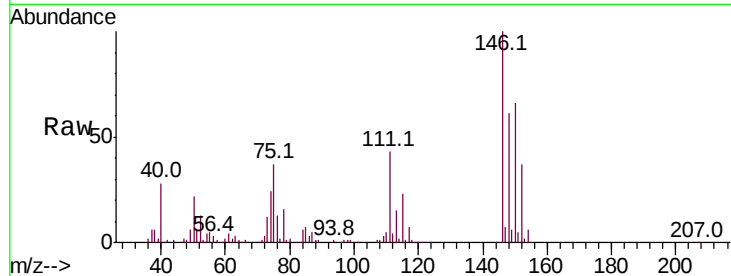
ClientSampled :

C09D9DL

Tot Ion:	146	Resp:	135625
Ion Ratio	Lower	Upper	
146	100		
111	43.5	34.9	52.3
148	61.3	51.2	76.8

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#68

1,2,4-trichlorobenzene

Concen: 2.209 ug/L m

RT: 13.51 min Scan# 3864

Delta R.T. 0.02 min

Lab File: VU030498.D

Acq: 27 Mar 2019 21:05

Tgt Ion:	180	Resp:	7690
Ion Ratio	Lower	Upper	
180	100		
182	55.1	76.1	114.1#
145	8.5	24.5	36.7#

