

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051019\
 Data File : VU031889.D
 Acq On : 10 May 2019 15:26
 Operator : JC/SP
 Sample : K2742-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C26

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 11:48:50 AM

Quant Time: May 11 02:27:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 11 00:57:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1033914	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	1057377	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	442637	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	378674	43.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.52%
7) Chloroethane-d5	1.67	69	327073	48.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.82%
11) 1,1-Dichloroethene-d2	2.27	63	540221	31.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.70%
21) 2-Butanone-d5	4.17	46	670202	85.48	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.48%
24) Chloroform-d	4.64	84	694451	43.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.64%
26) 1,2-Dichloroethane-d4	5.31	65	463358	44.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.50%
32) Benzene-d6	5.34	84	1441455	44.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.78%
36) 1,2-Dichloropropane-d6	6.32	67	492262	43.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.18%
41) Toluene-d8	7.56	98	1207671	42.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.40%
43) trans-1,3-Dichloropropene-	7.85	79	192807	39.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.64%
47) 2-Hexanone-d5	8.31	63	445313	90.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.06%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	675385	44.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.10%
64) 1,2-Dichlorobenzene-d4	11.86	152	459198m	49.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.66%

Target Compounds

					Ovalue
13) Acetone	2.32	43	93178	10.551	ug/L 97
33) Benzene	5.38	78	33436	0.860	ug/L 100
51) Chlorobenzene	9.12	112	551885	24.116	ug/L 98
62) 1,3-Dichlorobenzene	11.41	146	67773	4.625	ug/L 98
63) 1,4-Dichlorobenzene	11.50	146	535409	35.284	ug/L 98
65) 1,2-Dichlorobenzene	11.87	146	3136508	201.418	ug/L 99
68) 1,2,4-trichlorobenzene	13.50	180	447952	51.561	ug/L 99
70) 1,2,3-Trichlorobenzene	13.98	180	352734	35.662	ug/L 100

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

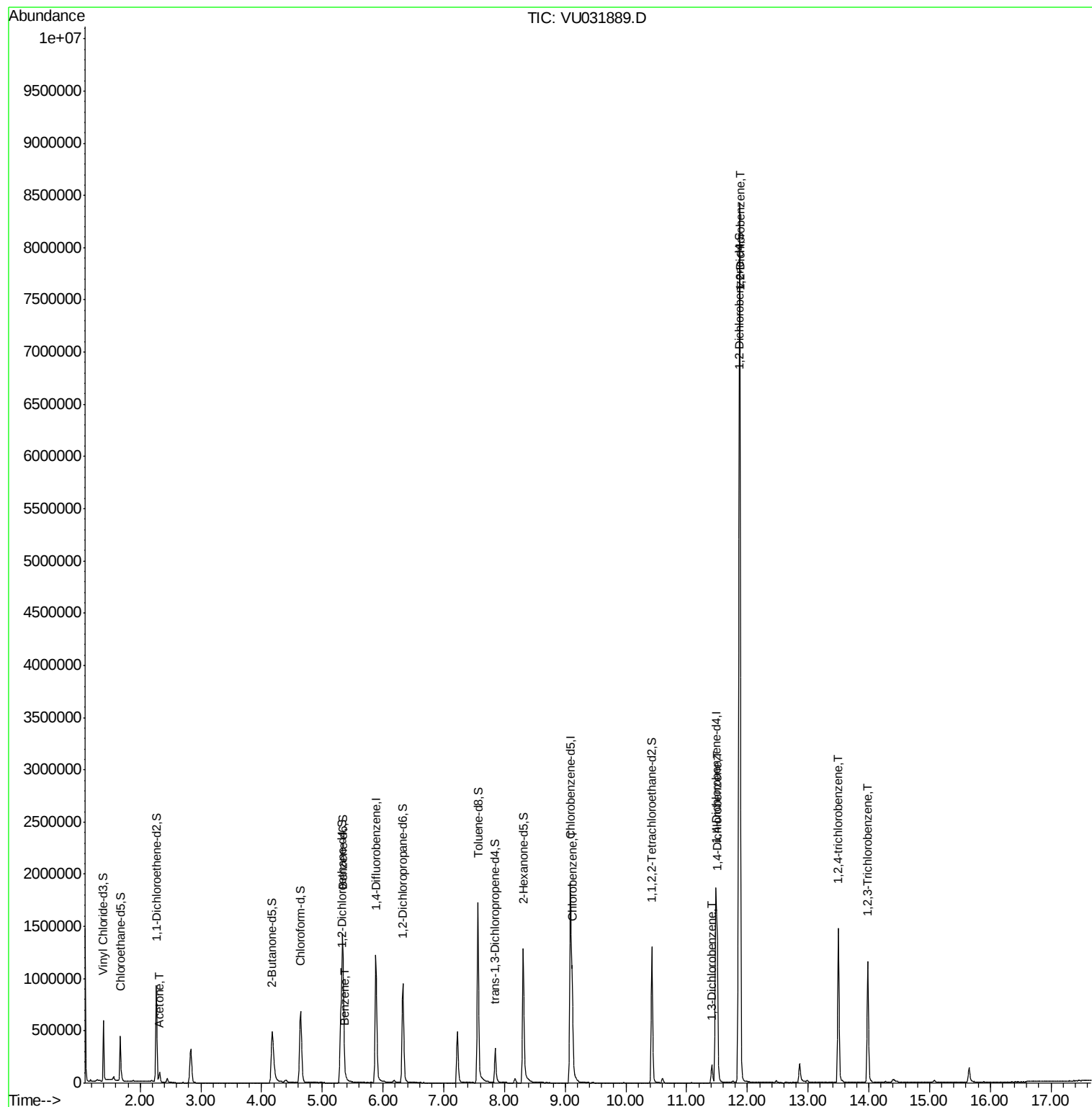
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU051019\
Data File : VU031889.D
Acq On : 10 May 2019 15:26
Operator : JC/SP
Sample : K2742-01
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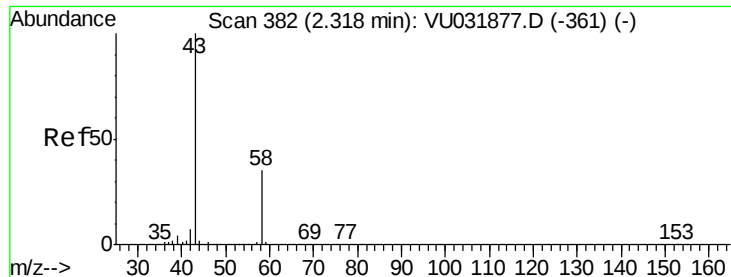
Instrument :
MSVOA_U
ClientSampleId :
C0C26

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Quant Time: May 11 02:27:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Sat May 11 00:57:57 2019
Response via : Initial Calibration





#13

Acetone

Concen: 10.551 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU031889.D

Acq: 10 May 2019 15:26

Instrument :

MSVOA_U

ClientSampleId :

C0C26

Tot Ion: 43 Resp: 93178

Ion Ratio Lower Upper

43 100

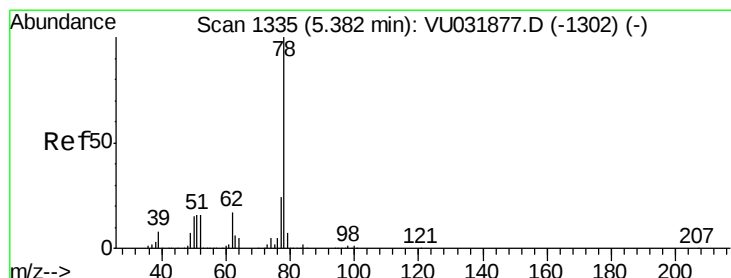
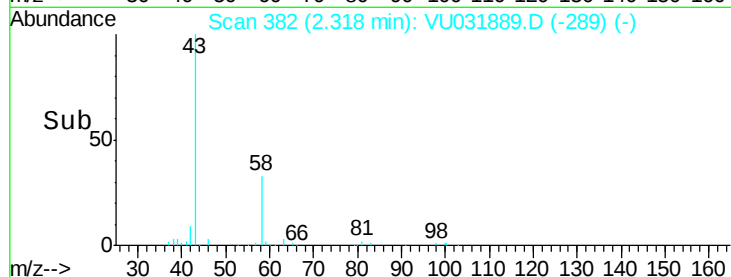
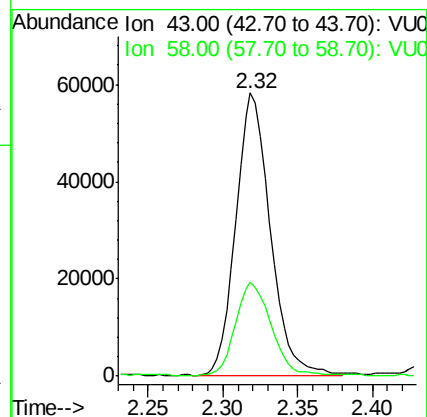
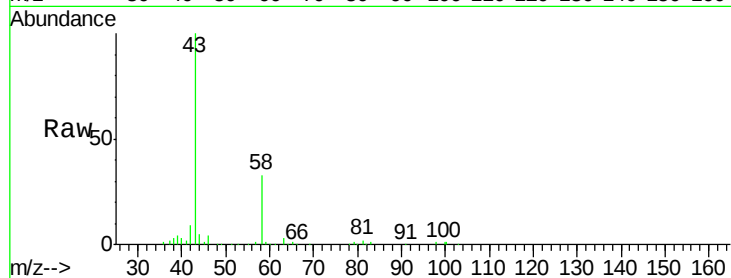
58 33.9 0.0 64.4

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#33

Benzene

Concen: 0.860 ug/L

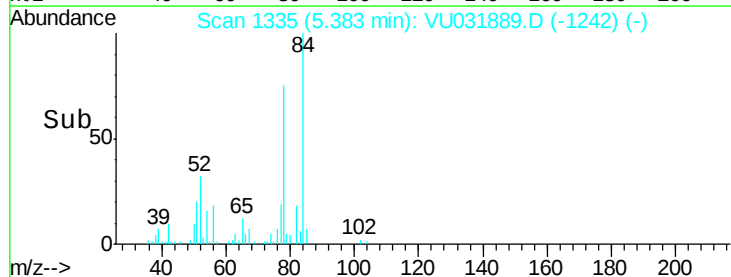
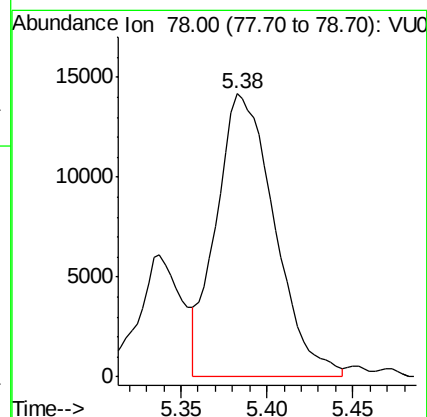
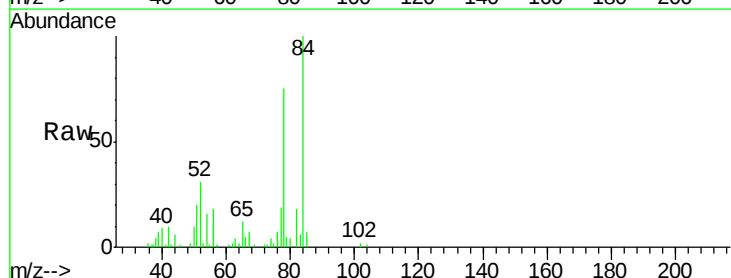
RT: 5.38 min Scan# 1335

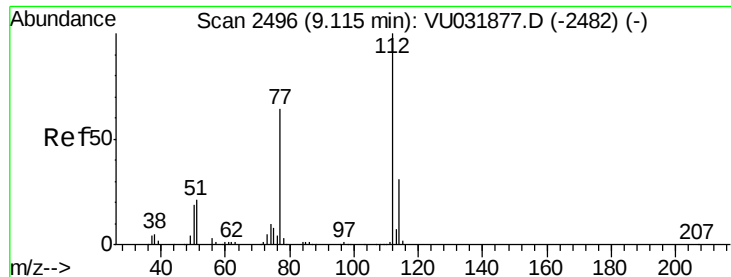
Delta R.T. 0.00 min

Lab File: VU031889.D

Acq: 10 May 2019 15:26

Tgt Ion: 78 Resp: 33436





#51

Chlorobenzene

Concen: 24.116 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU031889.D

Acq: 10 May 2019 15:26

Instrument :

MSVOA_U

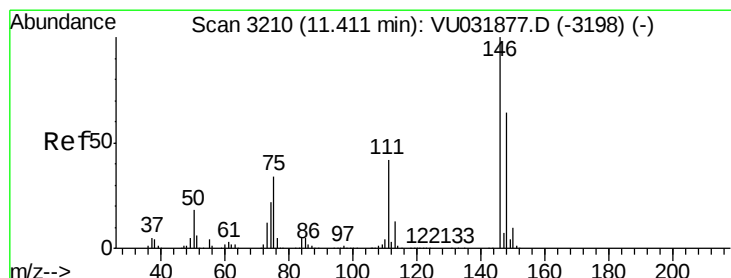
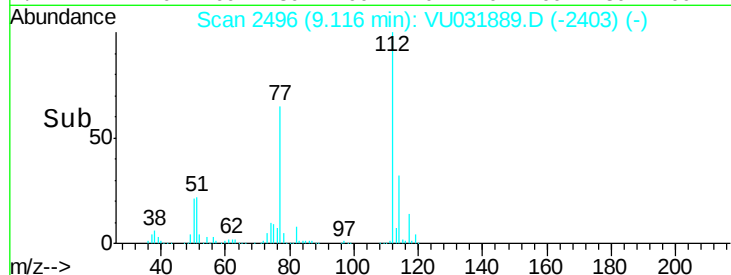
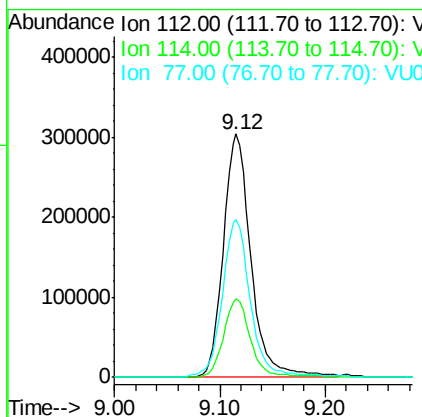
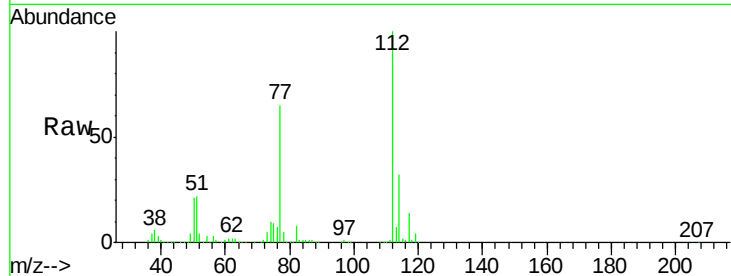
ClientSampleId :

C0C26

Tot Ion:	112	Resp:	551885
Ion Ratio	Lower	Upper	
112	100		
114	32.4	23.3	43.3
77	65.1	53.0	79.4

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#62

1,3-Dichlorobenzene

Concen: 4.625 ug/L

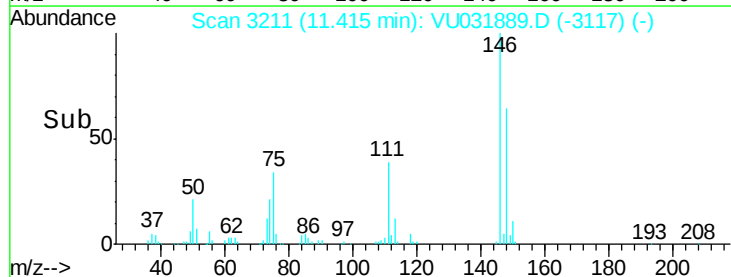
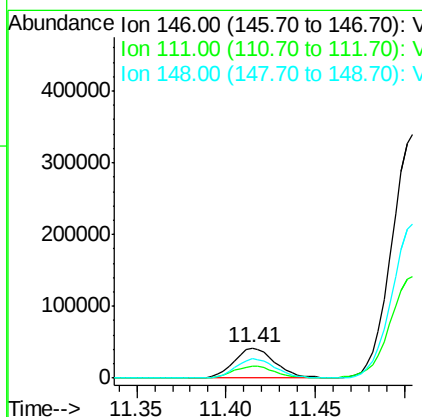
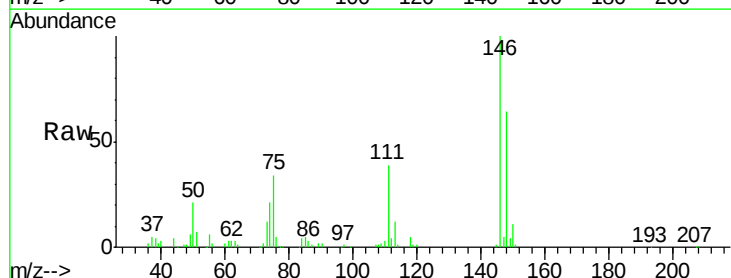
RT: 11.41 min Scan# 3211

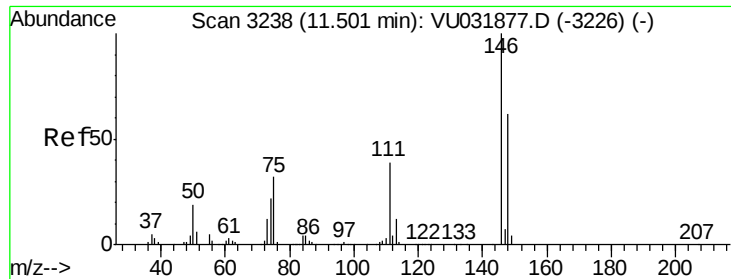
Delta R.T. 0.00 min

Lab File: VU031889.D

Acq: 10 May 2019 15:26

Tgt Ion:	146	Resp:	67773
Ion Ratio	Lower	Upper	
146	100		
111	39.3	29.8	55.4
148	64.1	45.1	83.9





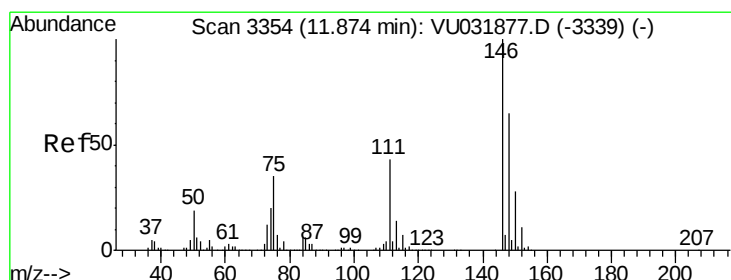
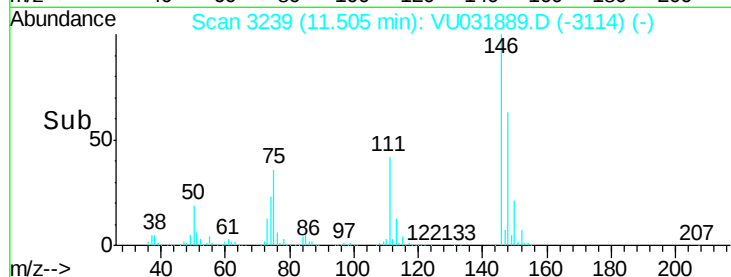
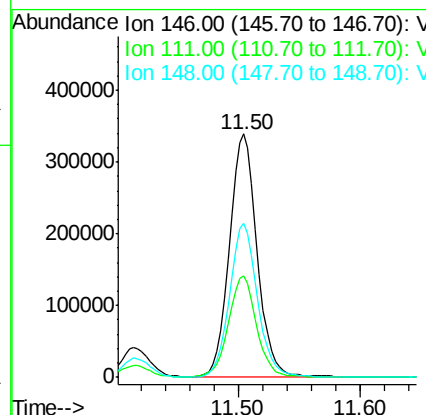
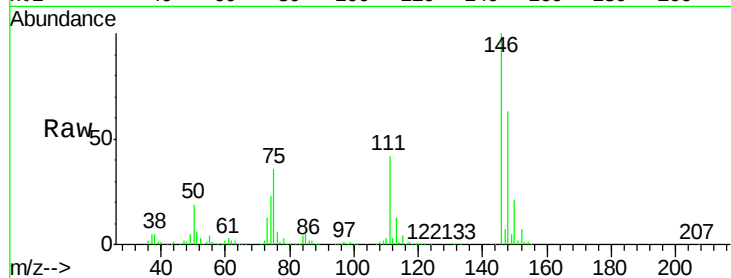
#63
 1,4-Dichlorobenzene
 Concen: 35.284 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU031889.D
 Acq: 10 May 2019 15:26

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C26

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	28.2	52.4
148	63.1	45.4	84.4

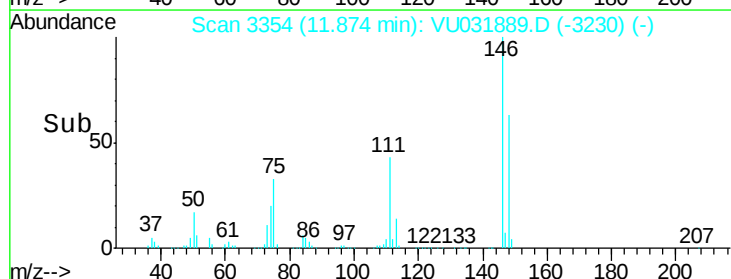
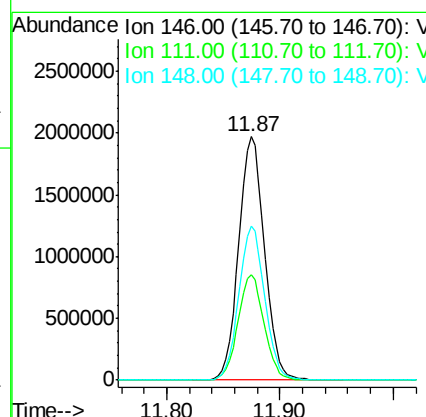
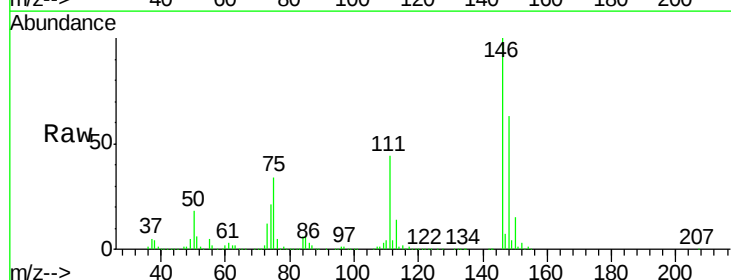
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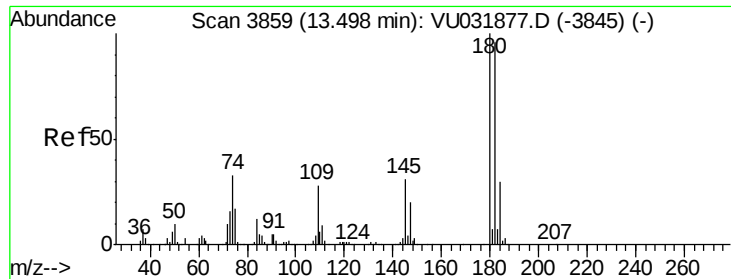
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 5/11/2019 11:48:50 AM



#65
 1,2-Dichlorobenzene
 Concen: 201.418 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU031889.D
 Acq: 10 May 2019 15:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	35.9	53.9
148	63.1	50.5	75.7





#68

1,2,4-trichlorobenzene

Concen: 51.561 ug/L

RT: 13.50 min Scan# 3859

Delta R.T. 0.00 min

Lab File: VU031889.D

Acq: 10 May 2019 15:26

Instrument :

MSVOA_U

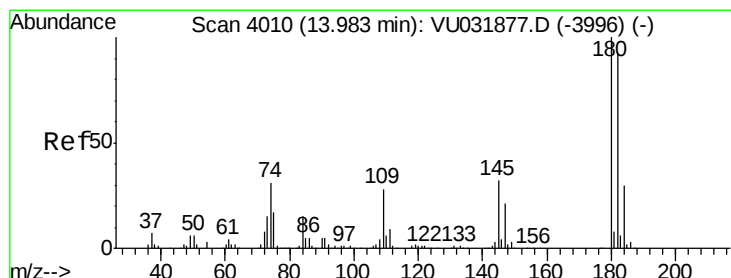
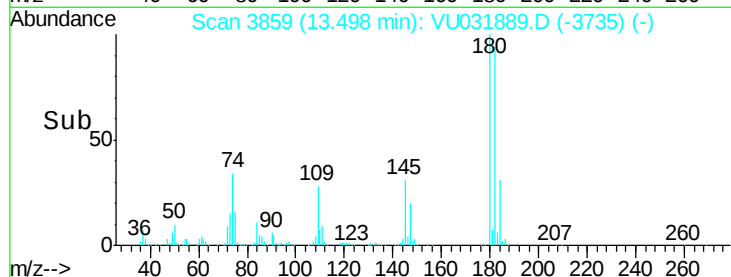
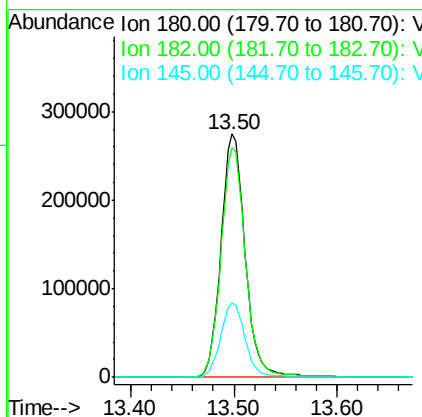
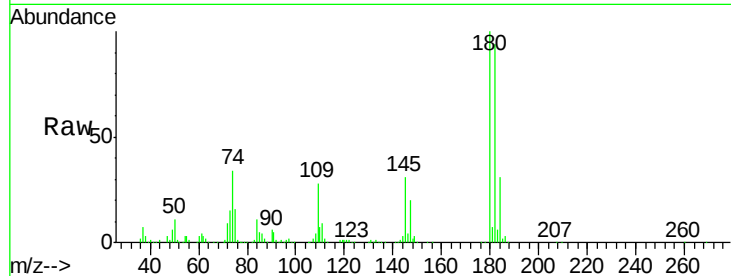
ClientSampled :

C0C26

Tot Ion:	180	Resp:	447952
Ion Ratio	Lower	Upper	
180	100		
182	96.1	75.8	113.8
145	30.8	24.5	36.7

Manual Integrations
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5/11/2019 11:48:50 AM



#70

1,2,3-Trichlorobenzene

Concen: 35.662 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU031889.D

Acq: 10 May 2019 15:26

Tgt Ion:	180	Resp:	352734
Ion Ratio	Lower	Upper	
180	100		
182	95.0	76.1	114.1
145	32.5	26.0	39.0

