

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032619\
 Data File : VU030440.D
 Acq On : 26 Mar 2019 13:34
 Operator : JC/SP
 Sample : K2070-16 200X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09E2

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 9:55:30 AM

Quant Time: Mar 27 05:25:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 27 04:29:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	454694	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	443377	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	183593	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	198128	54.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.28%
7) Chloroethane-d5	1.68	69	157514	54.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.62%
11) 1,1-Dichloroethene-d2	2.27	63	275996m	39.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.52%
21) 2-Butanone-d5	4.17	46	350499	101.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.89%
24) Chloroform-d	4.64	84	322069	51.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.16%
26) 1,2-Dichloroethane-d4	5.31	65	217638	52.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.50%
32) Benzene-d6	5.34	84	664715	52.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.56%
36) 1,2-Dichloropropane-d6	6.33	67	232300	53.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.80%
41) Toluene-d8	7.56	98	567848	49.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.46%
43) trans-1,3-Dichloropropene-	7.85	79	98196	48.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.00%
47) 2-Hexanone-d5	8.31	63	223577	94.84	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.84%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	302507	48.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.18%
64) 1,2-Dichlorobenzene-d4	11.86	152	196595	53.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.88%

Target Compounds

					Ovalue
33) Benzene	5.39	78	58608	3.883	ug/L 100
51) Chlorobenzene	9.12	112	944548	99.496	ug/L 100
62) 1,3-Dichlorobenzene	11.41	146	47708	7.946	ug/L 98
63) 1,4-Dichlorobenzene	11.50	146	219167	35.458	ug/L 100
65) 1,2-Dichlorobenzene	11.87	146	283343	46.672	ug/L 100
68) 1,2,4-trichlorobenzene	13.50	180	99179	25.396	ug/L 99
70) 1,2,3-Trichlorobenzene	13.99	180	27906	6.767	ug/L 91

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

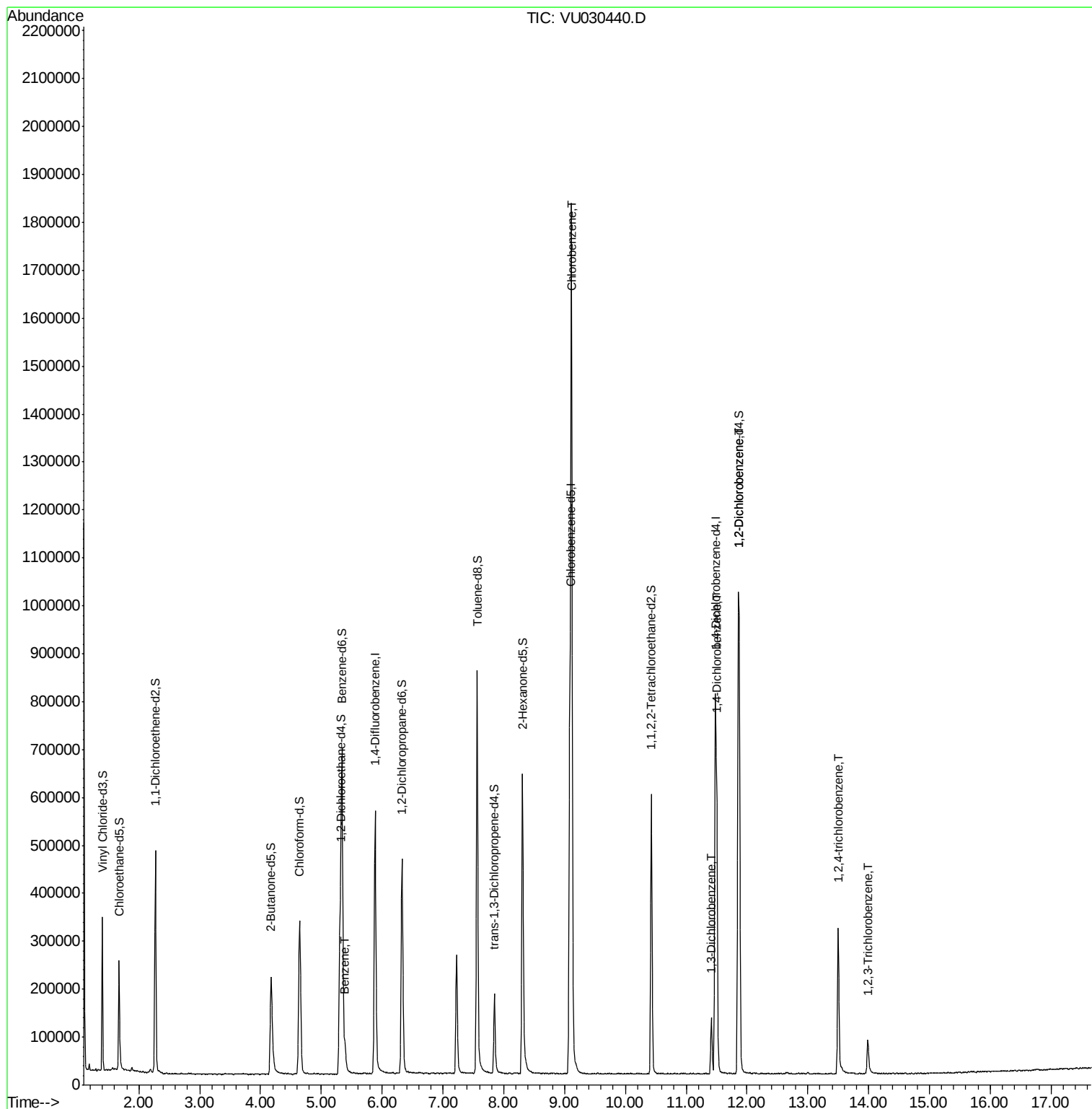
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032619\
Data File : VU030440.D
Acq On : 26 Mar 2019 13:34
Operator : JC/SP
Sample : K2070-16 200X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

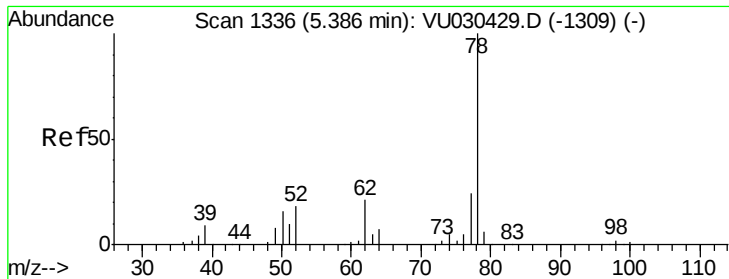
Instrument :
MSVOA_U
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Quant Title : VOC Analysis
QLast Update : Wed Mar 27 04:29:49 2019
Response via : Initial Calibration





#33

Benzene

Concen: 3.883 ug/L

RT: 5.39 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU030440.D

Acq: 26 Mar 2019 13:34

Instrument :

MSVOA_U

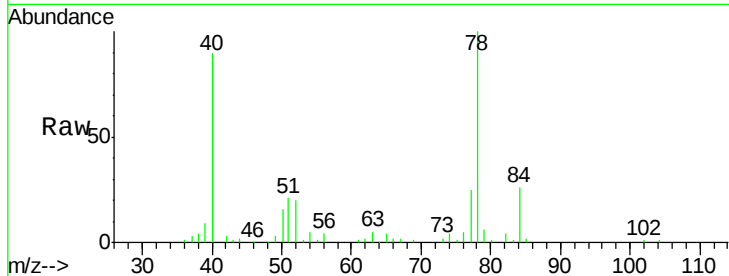
ClientSampled :

C09E2

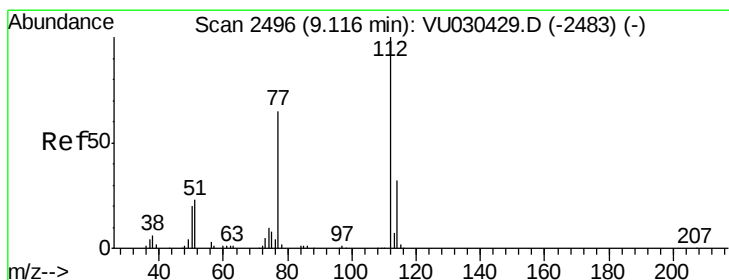
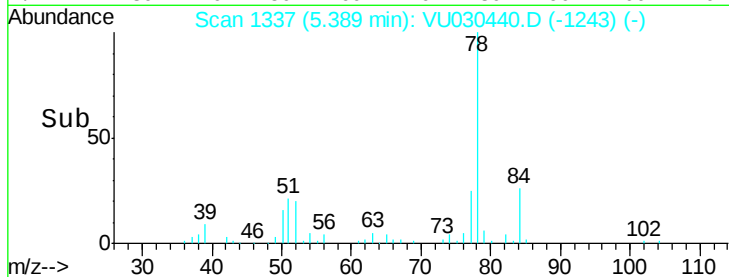
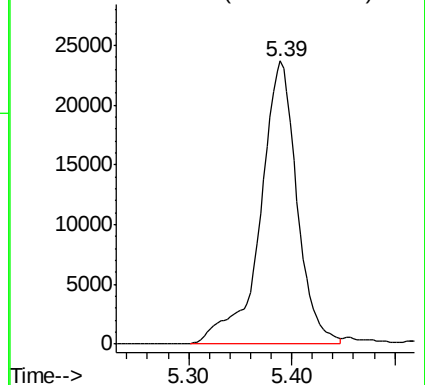
Tgt Ion: 78 Resp: 58608

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Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 99.496 ug/L

RT: 9.12 min Scan# 2496

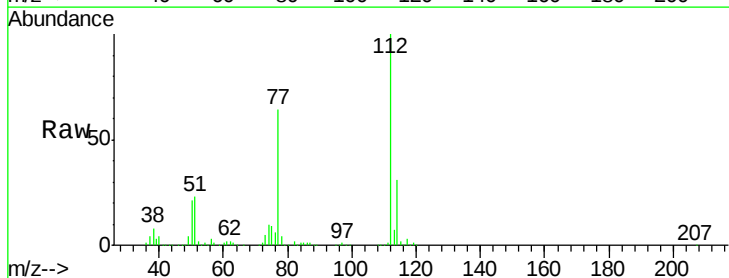
Delta R.T. -0.00 min

Lab File: VU030440.D

Acq: 26 Mar 2019 13:34

Tgt Ion: 112 Resp: 944548

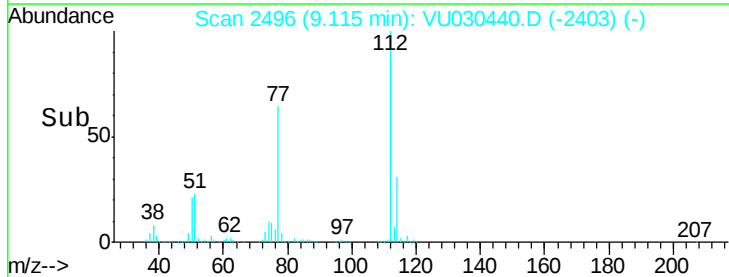
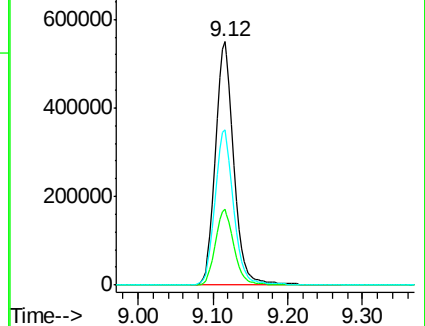
Ion	Ratio	Lower	Upper
112	100		
114	30.9	21.5	39.9
77	63.9	51.4	77.0

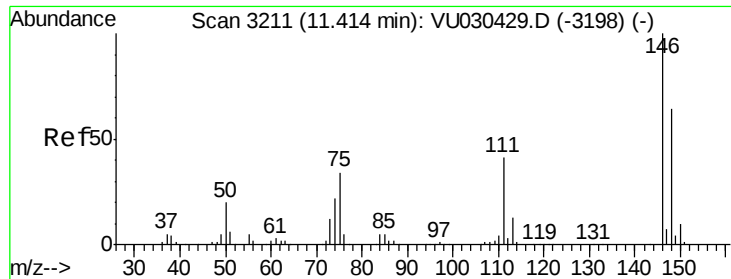


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





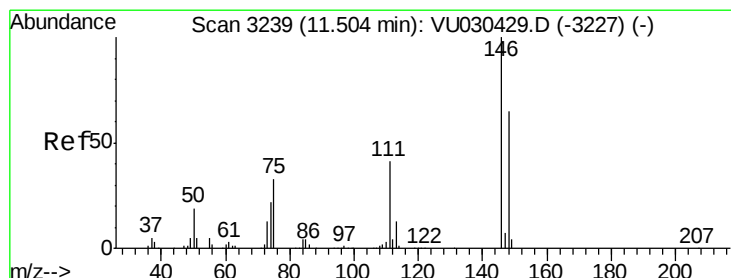
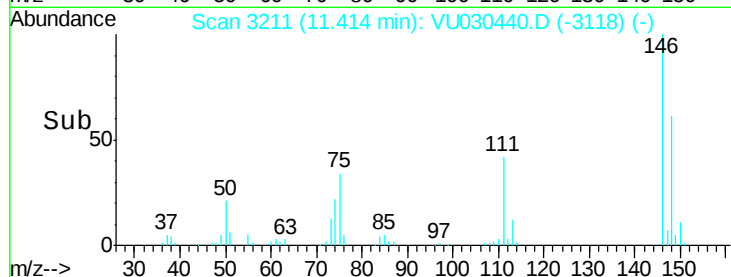
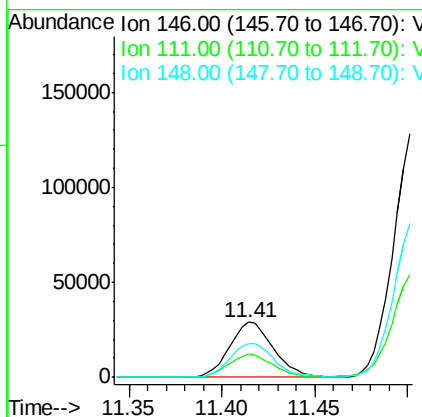
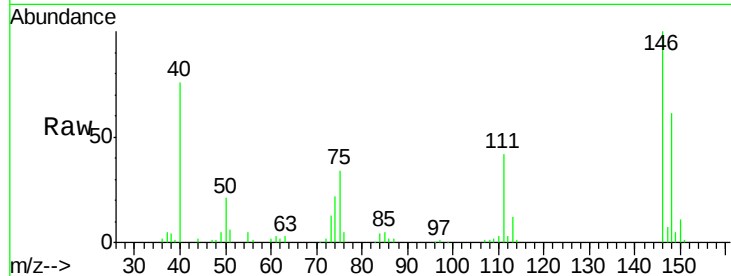
#62
 1,3-Dichlorobenzene
 Concen: 7.946 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU030440.D
 Acq: 26 Mar 2019 13:34

Instrument :
 MSVOA_U
 ClientSampleId :
 C09E2

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	29.2	54.2
148	61.3	44.4	82.4

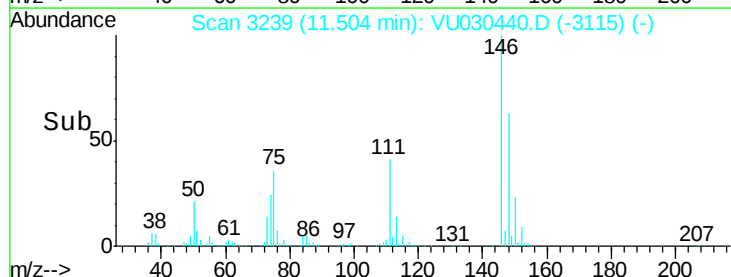
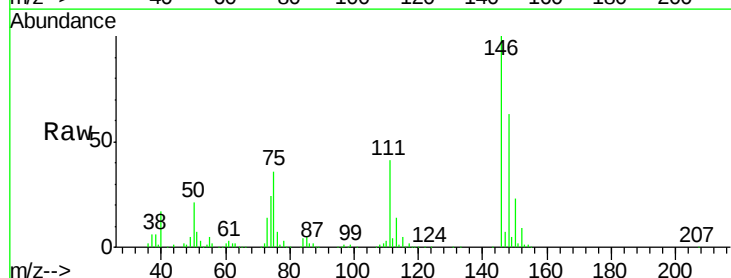
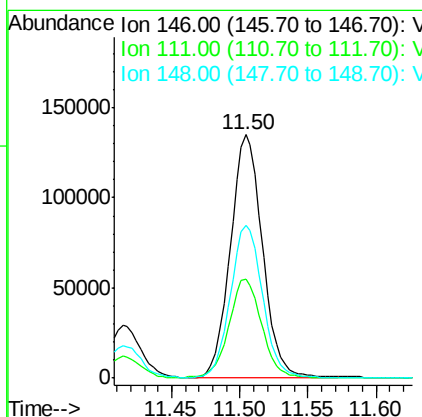
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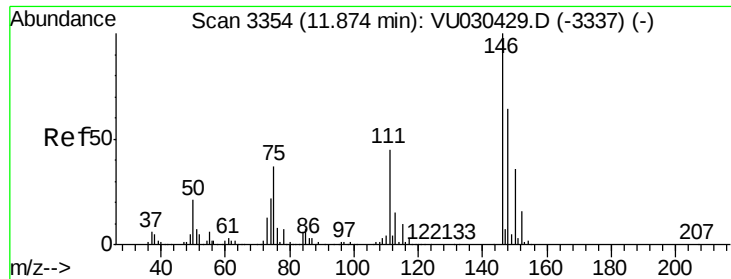
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#63
 1,4-Dichlorobenzene
 Concen: 35.458 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030440.D
 Acq: 26 Mar 2019 13:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	28.7	53.3
148	62.9	44.3	82.3





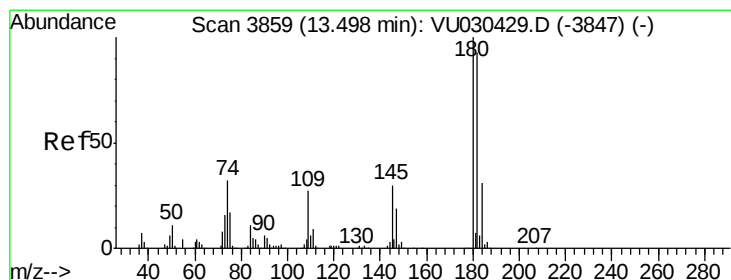
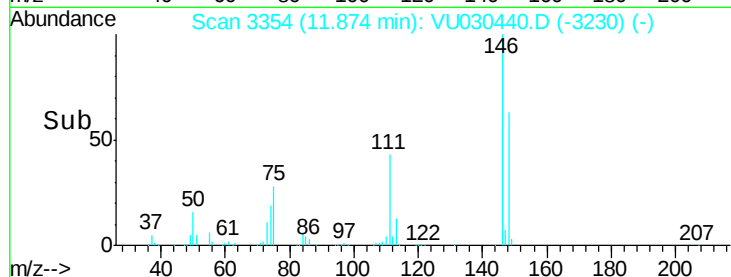
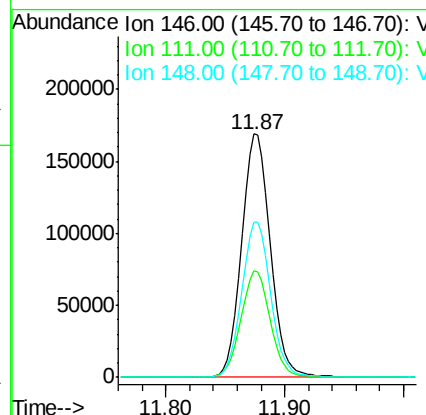
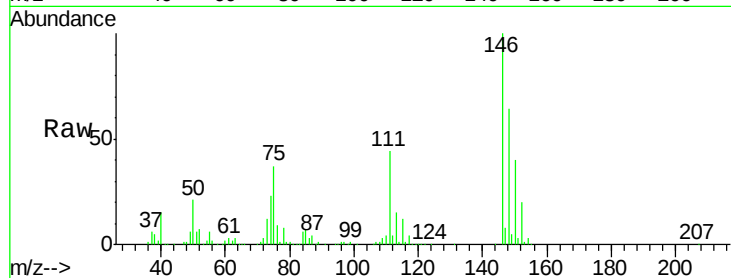
#65
 1,2-Dichlorobenzene
 Concen: 46.672 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU030440.D
 Acq: 26 Mar 2019 13:34

Instrument :
 MSVOA_U
 ClientSampled :
 C09E2

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	34.9	52.3
148	63.6	51.2	76.8

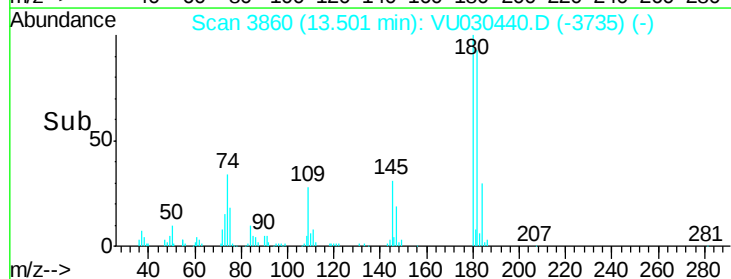
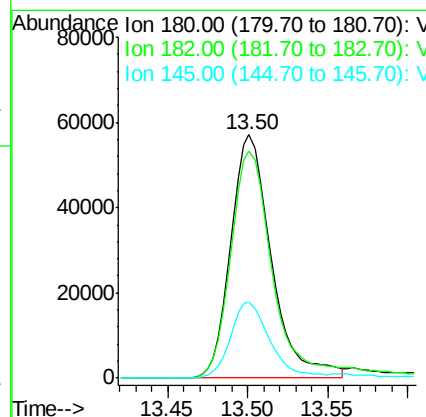
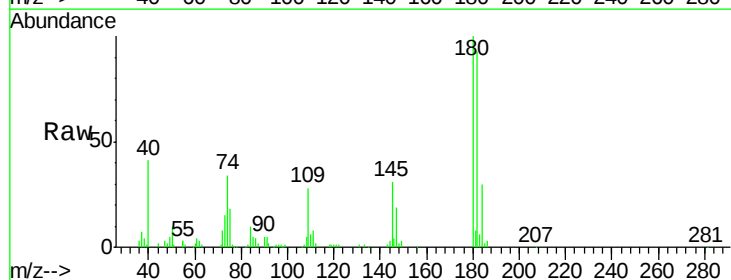
Manual Integrations
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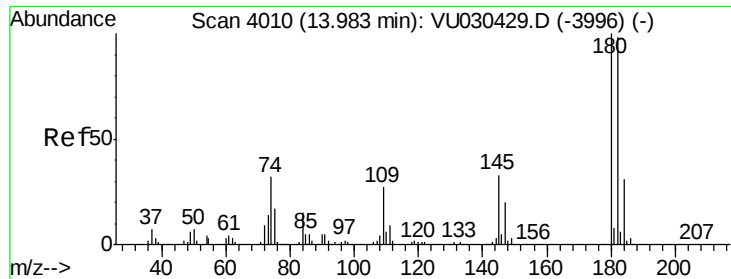
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#68
 1,2,4-trichlorobenzene
 Concen: 25.396 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030440.D
 Acq: 26 Mar 2019 13:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.1	114.1
145	30.3	24.5	36.7





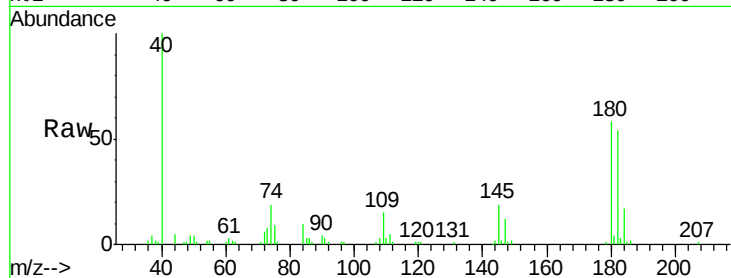
#70
 1,2,3-Trichlorobenzene
 Concen: 6.767 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU030440.D
 Acq: 26 Mar 2019 13:34

Instrument :
 MSVOA_U
 ClientSampleId :
 C09E2

Tot Ion	Ratio	Lower	Upper
180	100		
182	86.9	77.4	116.2
145	29.7	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

