

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032419\
 Data File : VU030376.D
 Acq On : 24 Mar 2019 17:24
 Operator : JC/SP
 Sample : K2016-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0987

Manual Integrations
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 3/25/2019 12:36:08 PM

Quant Time: Mar 25 13:37:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 25 03:20:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	425328	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.15	117	476016	50.00	ug/L	0.07
60) 1,4-Dichlorobenzene-d4	11.53	152	297007m	50.00	ug/L	0.05

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	139725	40.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.64%
7) Chloroethane-d5	1.67	69	120001m	44.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.46%
11) 1,1-Dichloroethene-d2	2.27	63	211073	32.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.02%
21) 2-Butanone-d5	4.18	46	305115	94.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.82%
24) Chloroform-d	4.65	84	362924	61.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	123.08%
26) 1,2-Dichloroethane-d4	5.31	65	185077	47.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.92%
32) Benzene-d6	5.35	84	567223	41.55	ug/L	0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.10%
36) 1,2-Dichloropropane-d6	6.33	67	198443	42.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.98%
41) Toluene-d8	7.56	98	513549	41.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.78%
43) trans-1,3-Dichloropropene-	7.85	79	85071	38.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.48%
47) 2-Hexanone-d5	8.31	63	208317	82.31	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.31%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	293086	43.85	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.70%
64) 1,2-Dichlorobenzene-d4	11.92	152	295004	49.57	ug/L	0.06
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.14%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	144973	44.550	ug/L	100
16) Methylene chloride	2.70	84	5784	1.612	ug/L	95
25) Chloroform	4.67	83	2351785	377.637	ug/L	99
29) Cyclohexane	5.00	56	65977	9.159	ug/L	98
31) Carbon tetrachloride	5.13	117	750189	151.849	ug/L	98
33) Benzene	5.38	78	46027419m	2840.484	ug/L	
34) Trichloroethene	6.19	95	9812	2.463	ug/L	92
35) Methylcyclohexane	6.41	83	24816	3.786	ug/L #	85
38) Bromodichloromethane	6.76	83	24950	4.566	ug/L	98
42) Toluene	7.64	91	56542	3.362	ug/L	99
46) Tetrachloroethene	8.23	164	6448	2.318	ug/L	91
49) Dibromochloromethane	8.48	129	7842	1.942	ug/L	95
51) Chlorobenzene	9.11	112	66304540m	6505.420	ug/L	
62) 1,3-Dichlorobenzene	11.43	146	19524282m	2010.133	ug/L	
63) 1,4-Dichlorobenzene	11.51	146	43173811m	4317.722	ug/L	
65) 1,2-Dichlorobenzene	11.88	146	47033989m	4788.973	ug/L	
67) 1,3,5-Trichlorobenzene	12.89	180	18886	2.597	ug/L	98

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Quant Title : VOC Analysis
QLast Update : Mon Mar 25 03:20:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2,4-trichlorobenzene	13.51	180	22450723m	3553.517	ug/L	
70) 1,2,3-Trichlorobenzene	13.99	180	8344655	1250.810	ug/L	100

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

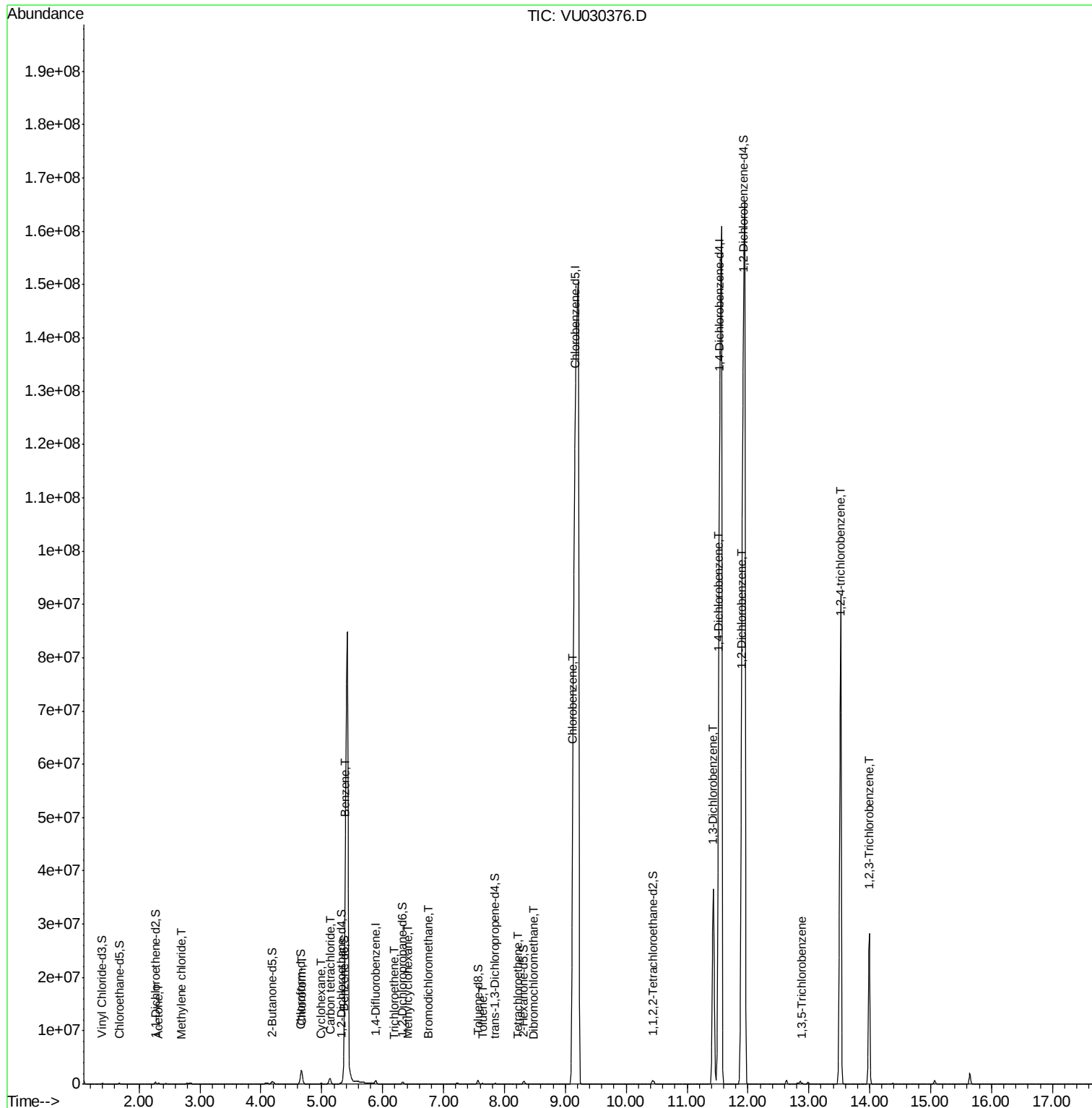
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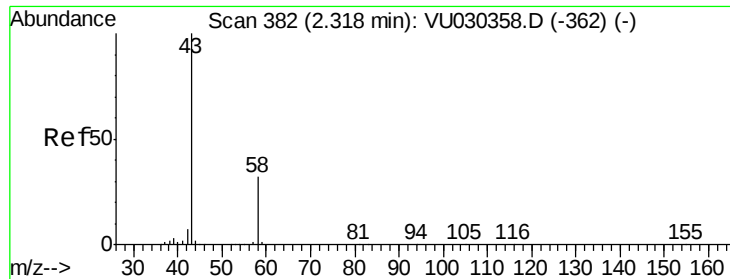
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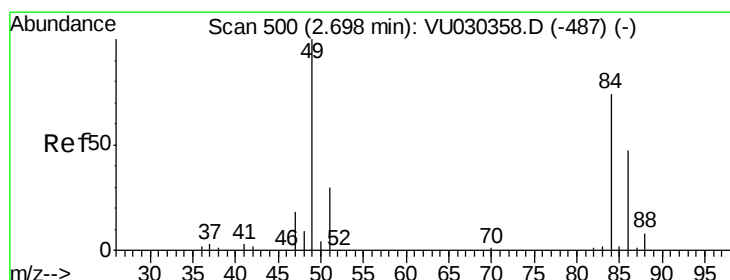
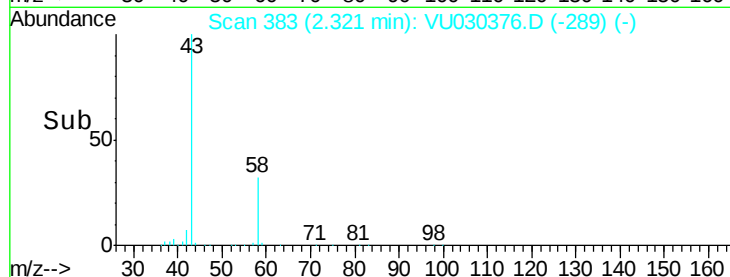
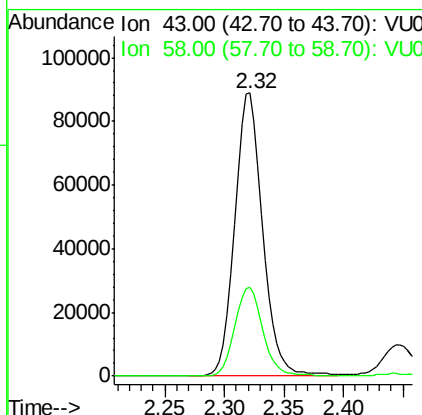
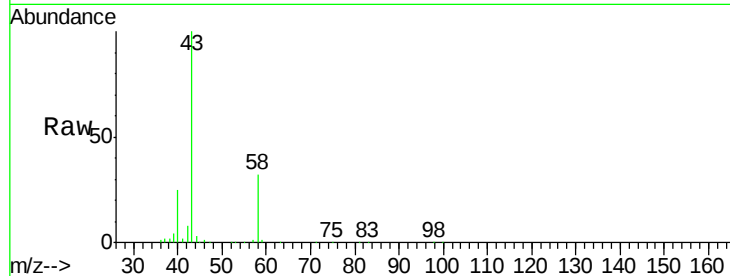
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Acetone
Concen: 44.550 ug/L
RT: 2.32 min Scan# 383
Delta R.T. 0.00 min
Lab File: VU030376.D
Acq: 24 Mar 2019 17:24

Instrument :
MSVOA_U
ClientSampled :
C0987

Tot Ion: 43 Resp: 144973
Ion Ratio Lower Upper
43 100
58 31.6 0.0 62.8

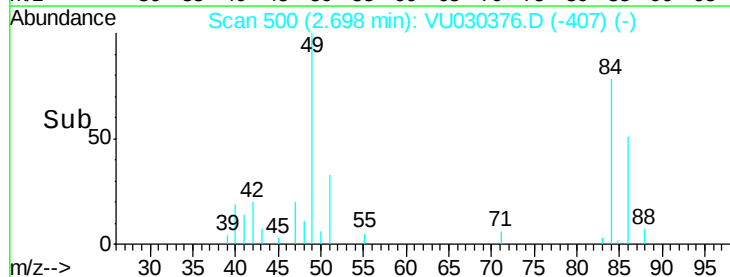
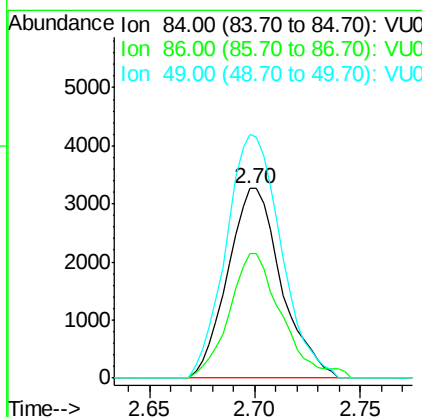
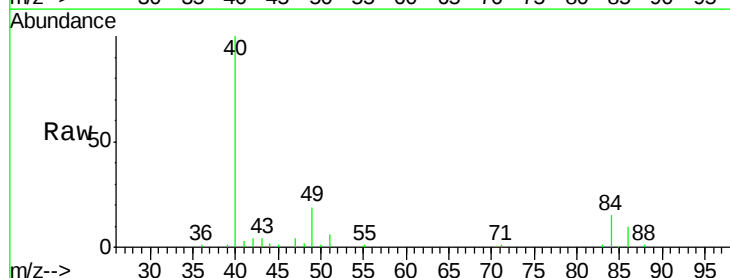
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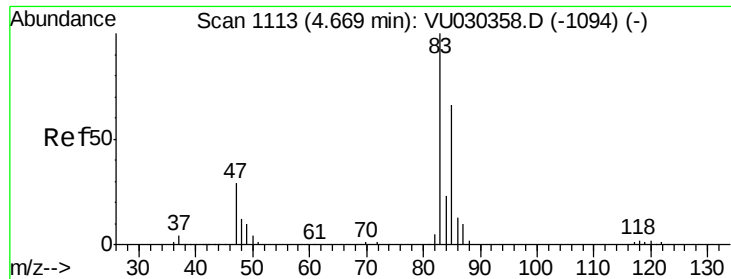
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#16
Methylene chloride
Concen: 1.612 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU030376.D
Acq: 24 Mar 2019 17:24

Tgt Ion: 84 Resp: 5784
Ion Ratio Lower Upper
84 100
86 65.5 44.3 82.3
49 128.3 94.9 176.3





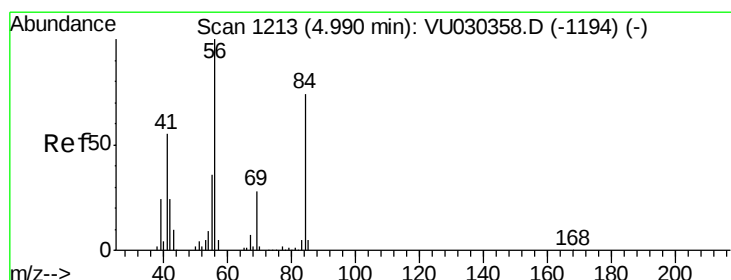
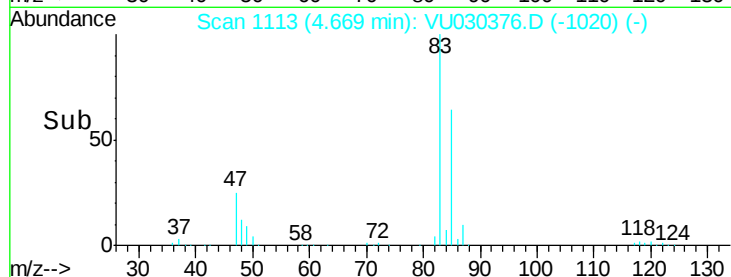
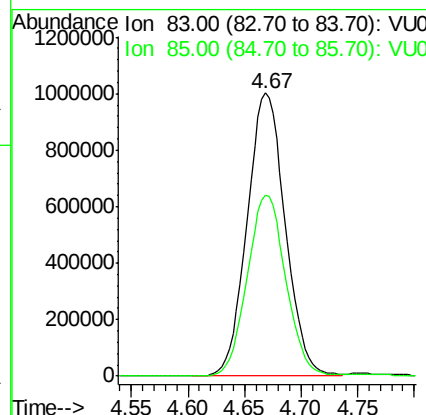
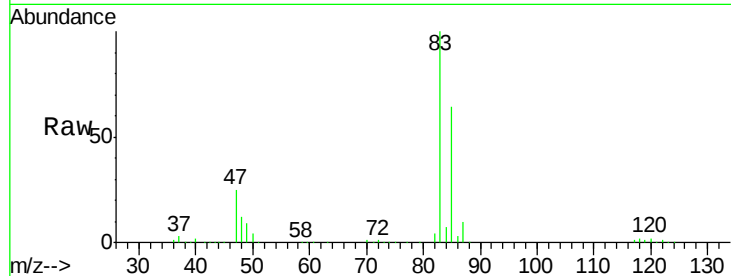
#25
Chloroform
Concen: 377.637 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030376.D
Acq: 24 Mar 2019 17:24

Instrument :
MSVOA_U
ClientSampled :
C0987

Tot Ion: 83 Resp: 2351785
Ion Ratio Lower Upper
83 100
85 64.1 44.4 82.4

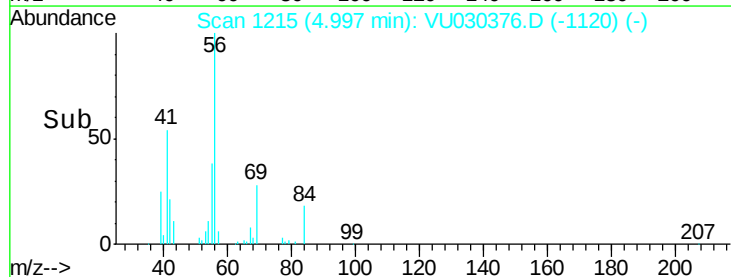
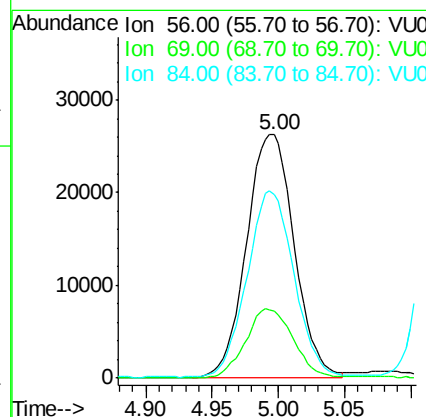
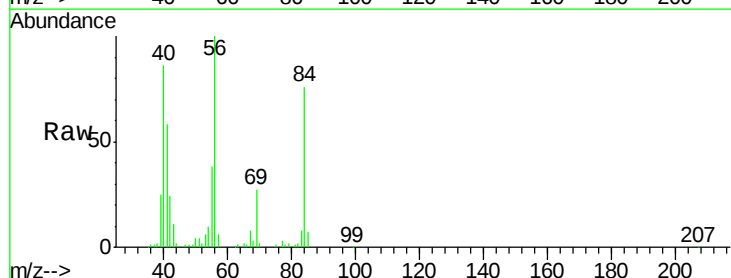
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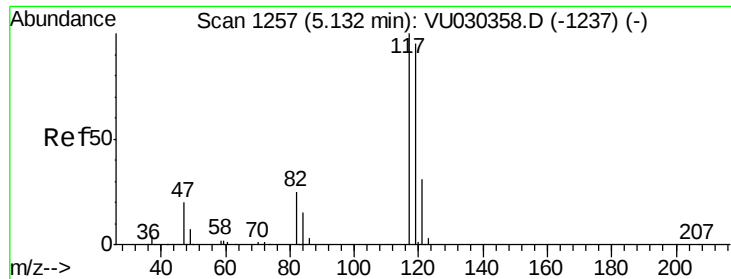
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#29
Cyclohexane
Concen: 9.159 ug/L
RT: 5.00 min Scan# 1215
Delta R.T. 0.01 min
Lab File: VU030376.D
Acq: 24 Mar 2019 17:24

Tgt Ion: 56 Resp: 65977
Ion Ratio Lower Upper
56 100
69 28.3 22.9 34.3
84 76.2 58.9 88.3





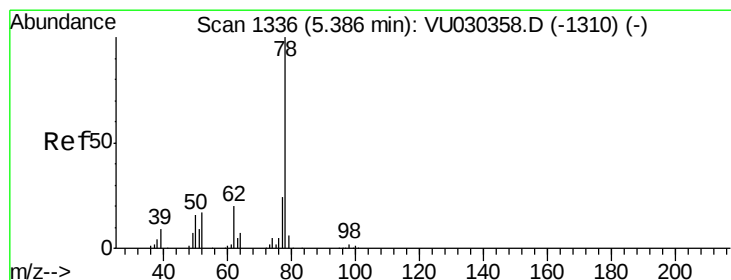
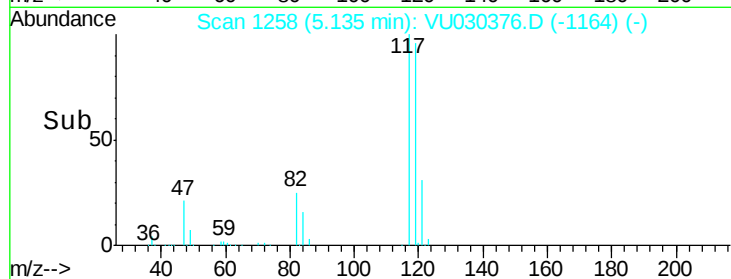
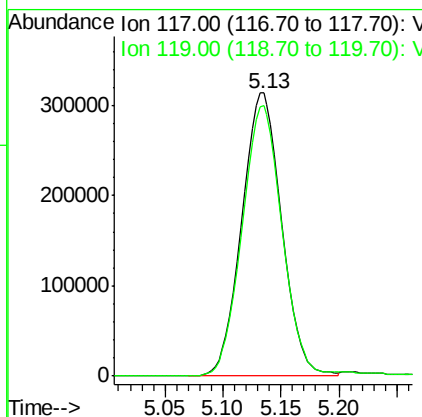
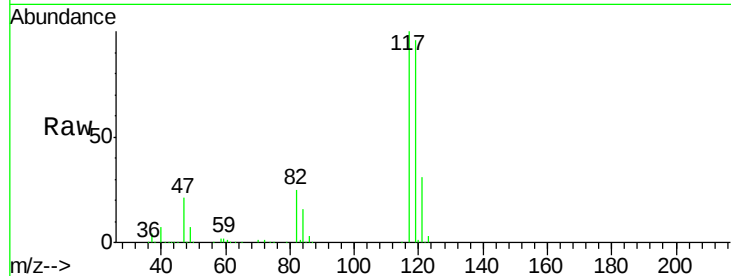
#31
Carbon tetrachloride
Concen: 151.849 ug/L
RT: 5.13 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VU030376.D
Acq: 24 Mar 2019 17:24

Instrument :
MSVOA_U
ClientSampleId :
C0987

Tot Ion:117 Resp: 750189
Ion Ratio Lower Upper
117 100
119 95.8 75.4 113.2

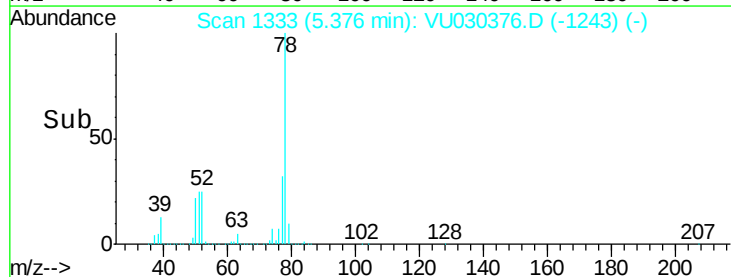
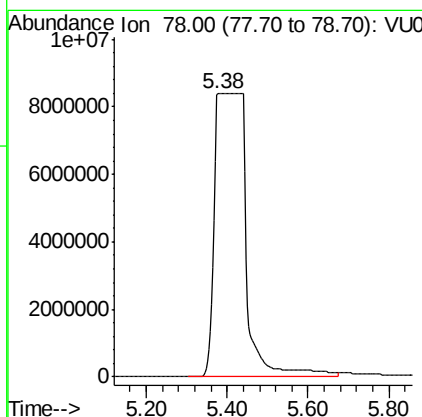
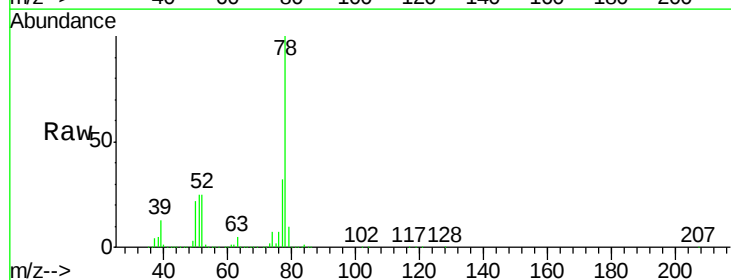
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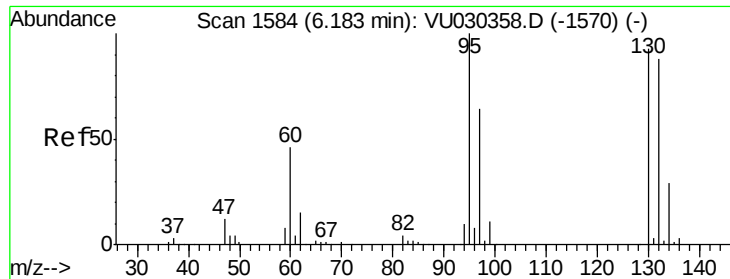
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#33
Benzene
Concen: 2840.484 ug/L m
RT: 5.38 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VU030376.D
Acq: 24 Mar 2019 17:24

Tgt Ion: 78 Resp:46027419





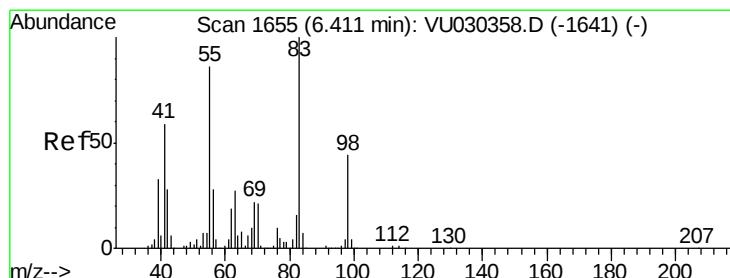
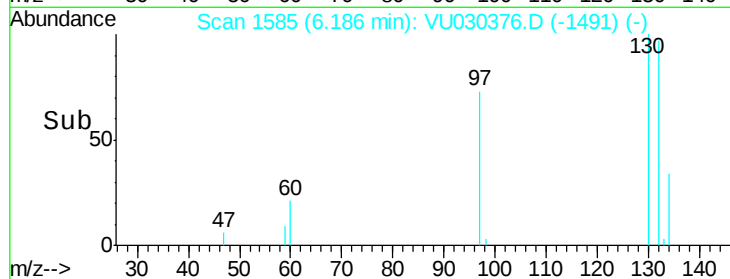
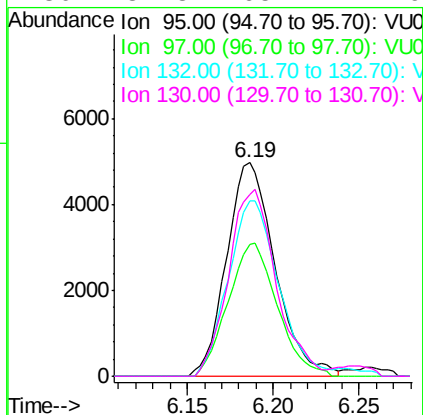
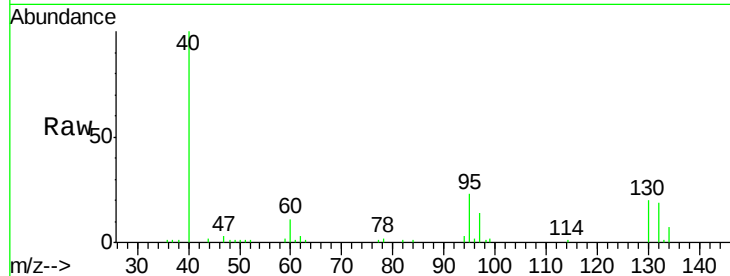
#34
 Trichloroethene
 Concen: 2.463 ug/L
 RT: 6.19 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VU030376.D
 Acq: 24 Mar 2019 17:24

Instrument :
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Tot Ion:	95	Resp:	9812
Ion	Ratio	Lower	Upper
95	100		
97	61.5	45.7	84.9
132	82.2	63.8	118.4
130	84.8	65.7	121.9

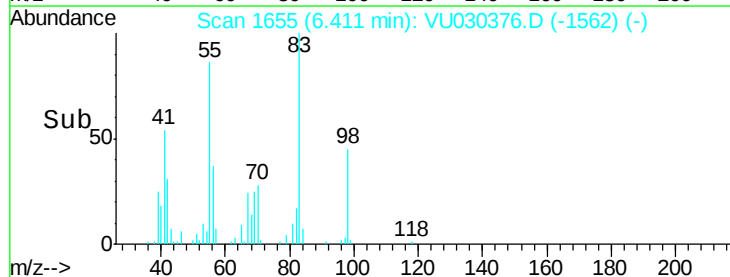
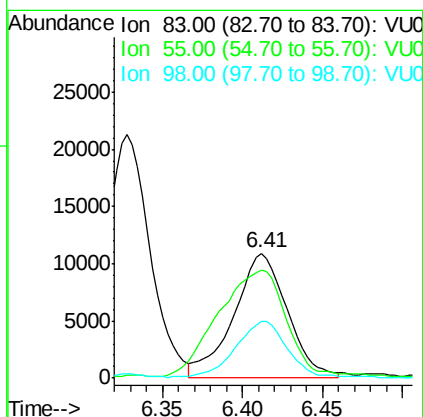
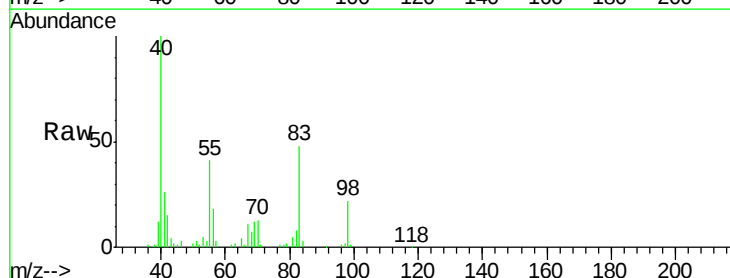
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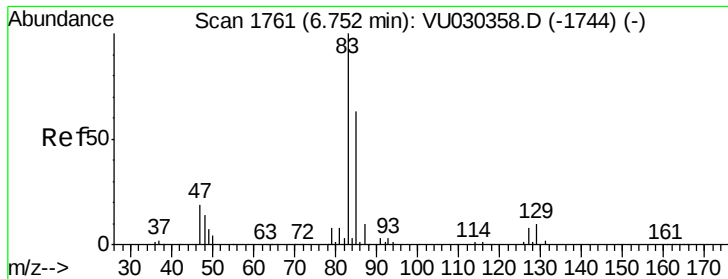
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#35
 Methylcyclohexane
 Concen: 3.786 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU030376.D
 Acq: 24 Mar 2019 17:24

Tgt Ion:	83	Resp:	24816
Ion	Ratio	Lower	Upper
83	100		
55	109.3	71.4	107.0#
98	43.6	36.0	54.0





#38

Bromodichloromethane

Concen: 4.566 ug/L

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU030376.D

Acq: 24 Mar 2019 17:24

Instrument :

MSVOA_U

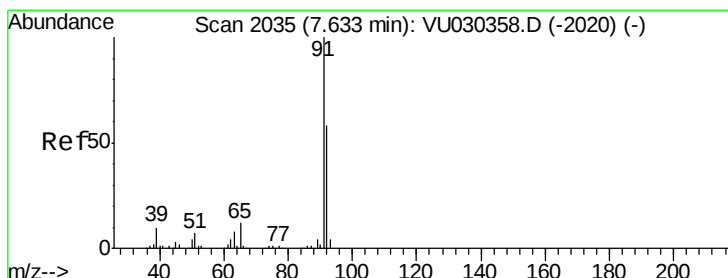
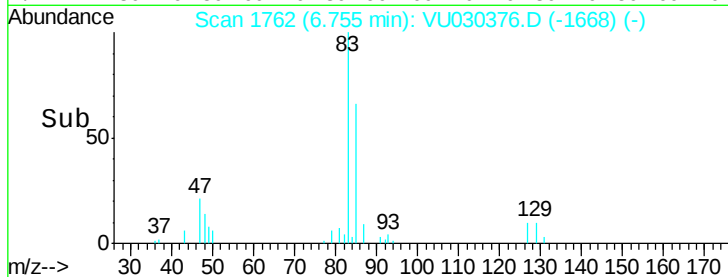
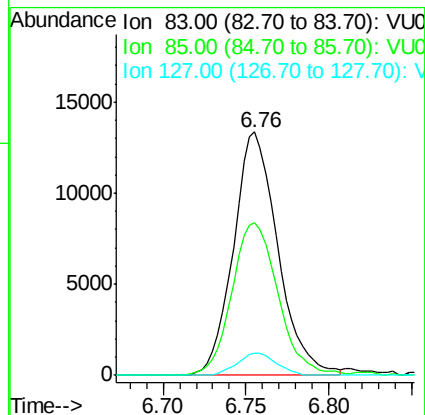
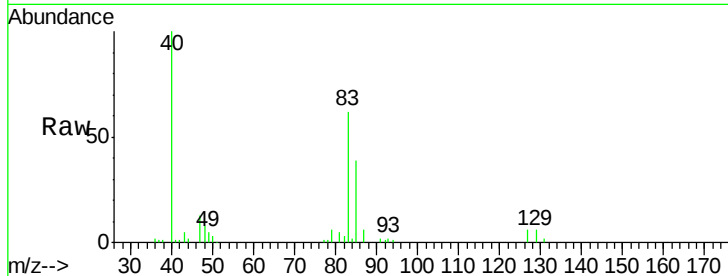
ClientSampleId :

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Tot Ion:	83	Resp:	24950
Ion Ratio	Lower	Upper	
83	100		
85	62.9	45.0	83.6
127	9.2	6.6	10.0

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#42

Toluene

Concen: 3.362 ug/L

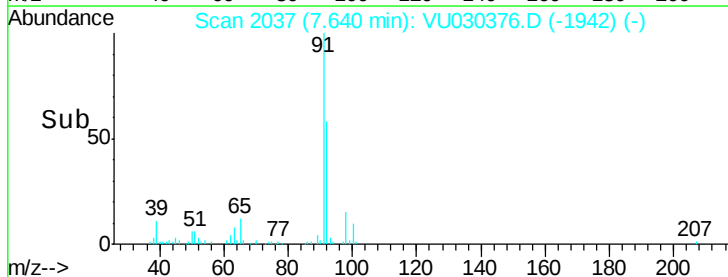
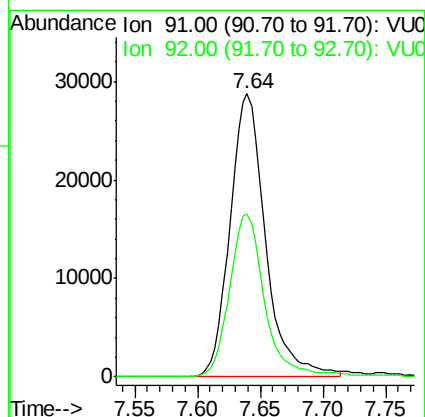
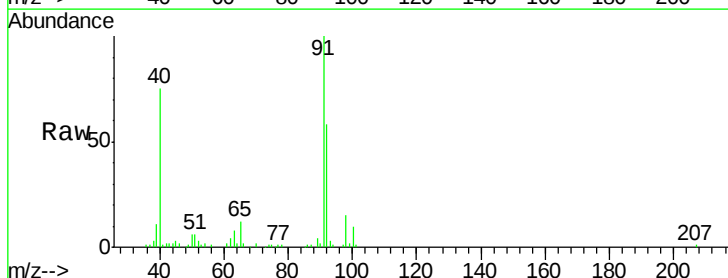
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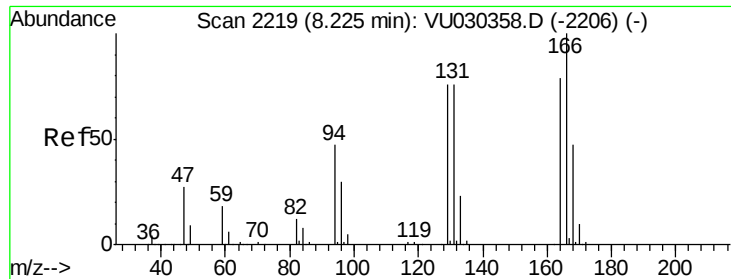
Delta R.T. 0.01 min

Lab File: VU030376.D

Acq: 24 Mar 2019 17:24

Tgt Ion:	91	Resp:	56542
Ion Ratio	Lower	Upper	
91	100		
92	57.7	39.7	73.7





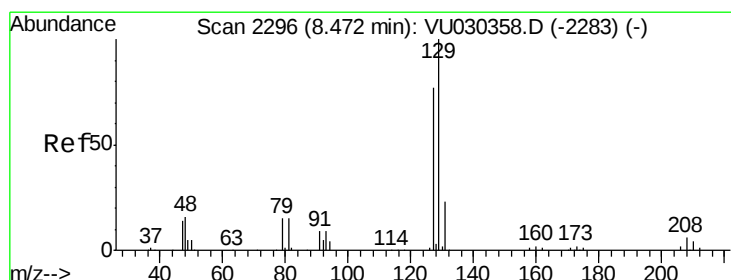
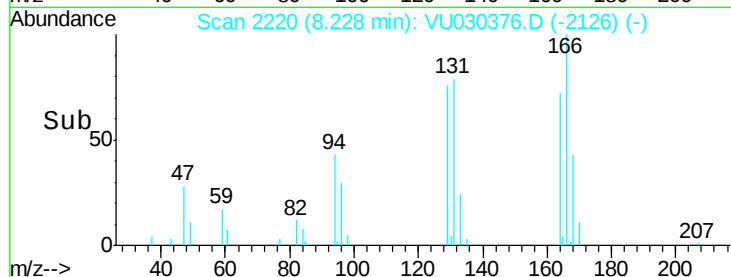
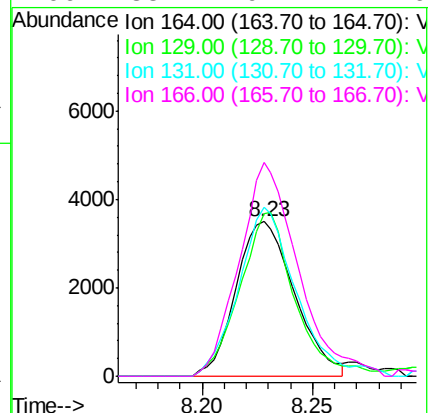
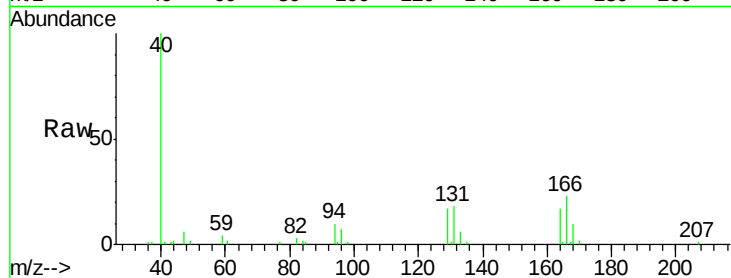
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Tetrachloroethene
Concen: 2.318 ug/L
RT: 8.23 min Scan# 2220
Delta R.T. 0.00 min
Lab File: VU030376.D
Acq: 24 Mar 2019 17:24

Instrument :
MSVOA_U
ClientSampleId :
C0987

Tot Ion	Ratio	Lower	Upper
164	100		
129	105.7	68.1	126.5
131	109.6	67.7	125.7
166	138.4	92.4	171.6

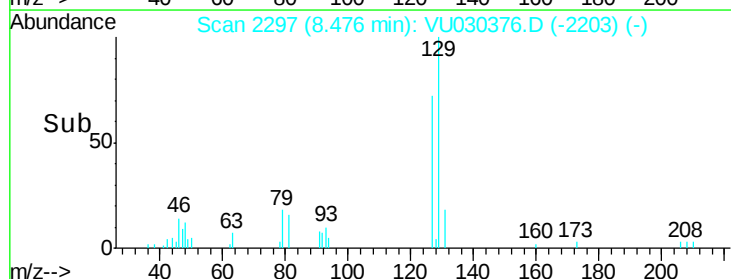
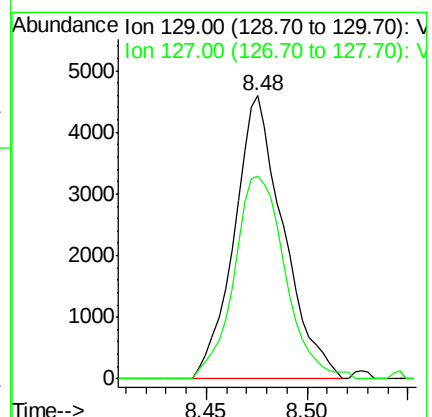
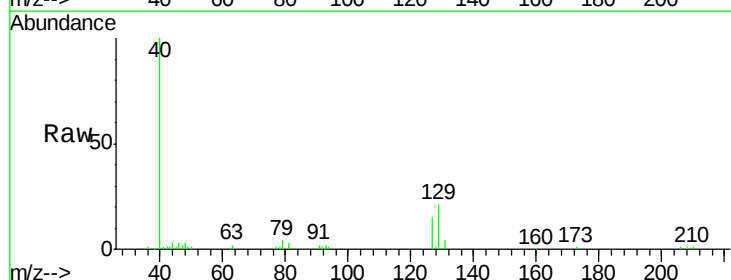
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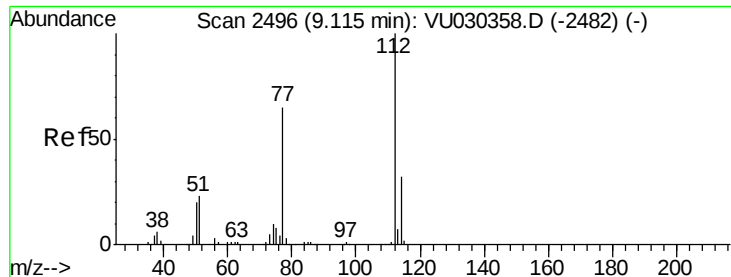
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#49
Dibromochloromethane
Concen: 1.942 ug/L
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU030376.D
Acq: 24 Mar 2019 17:24

Tgt Ion	Ratio	Lower	Upper
129	100		
127	71.6	53.2	98.8





#51

Chlorobenzene

Concen: 6505.420 ug/L m

RT: 9.11 min Scan# 2495

Delta R.T. -0.00 min

Lab File: VU030376.D

Acq: 24 Mar 2019 17:24

Instrument :

MSVOA_U

ClientSampleId :

C0987

Tot Ion:112 Resp:66304540

Ion Ratio Lower Upper

112 100

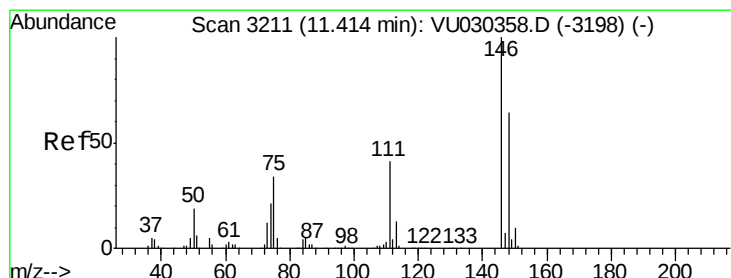
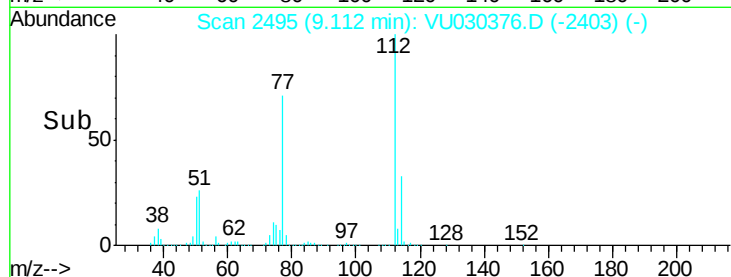
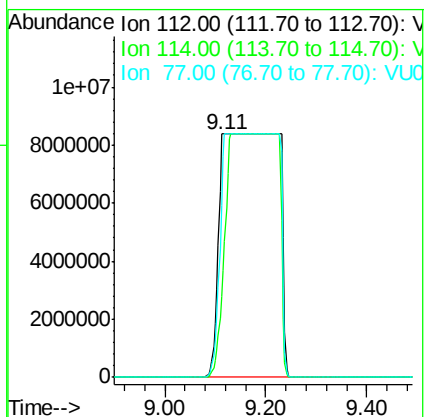
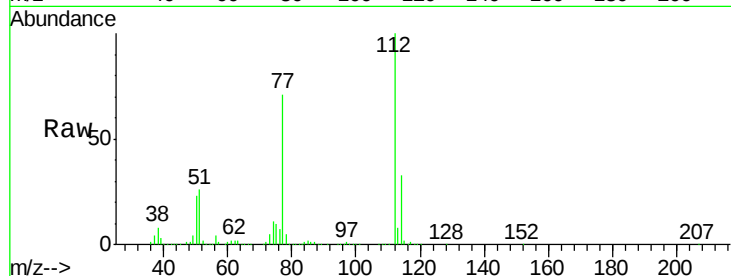
114 33.5 21.5 39.9

77 70.7 51.4 77.0

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#62

1,3-Dichlorobenzene

Concen: 2010.133 ug/L m

RT: 11.43 min Scan# 3215

Delta R.T. 0.01 min

Lab File: VU030376.D

Acq: 24 Mar 2019 17:24

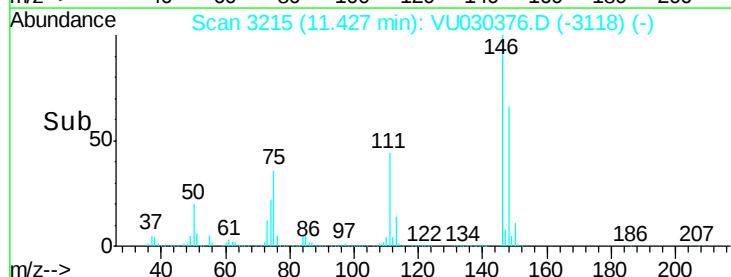
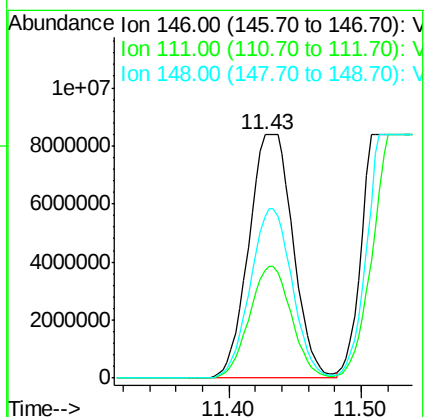
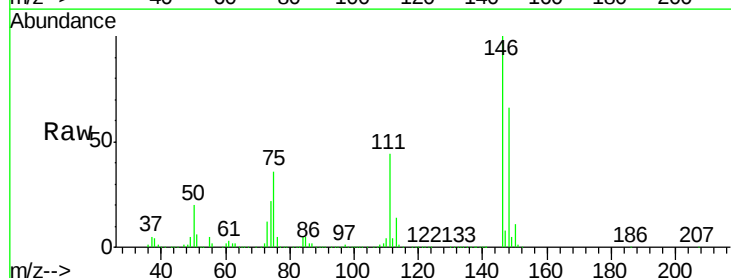
Tgt Ion:146 Resp:19524282

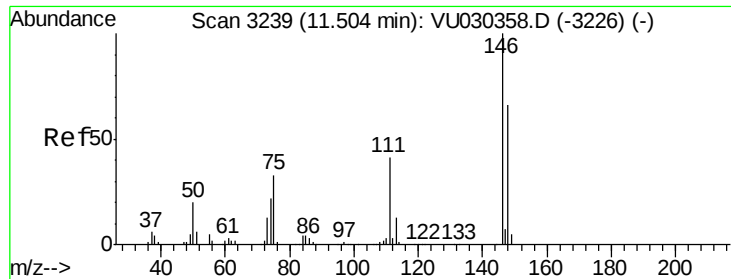
Ion Ratio Lower Upper

146 100

111 44.4 29.2 54.2

148 66.2 44.4 82.4





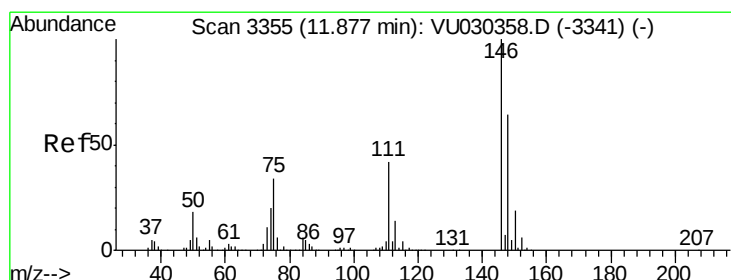
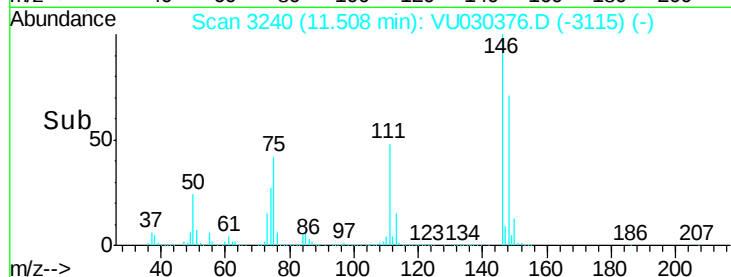
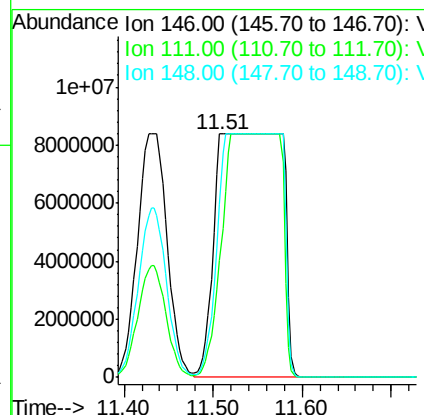
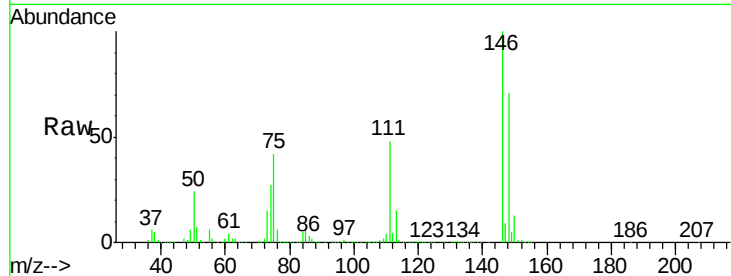
#63
 1,4-Dichlorobenzene
 Concen: 4317.722 ug/L m
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU030376.D
 Acq: 24 Mar 2019 17:24

Instrument :
 MSVOA_U
 ClientSampleId :
 C0987

Tot Ion:146 Resp:43173811
 Ion Ratio Lower Upper
 146 100
 111 47.8 28.7 53.3
 148 71.2 44.3 82.3

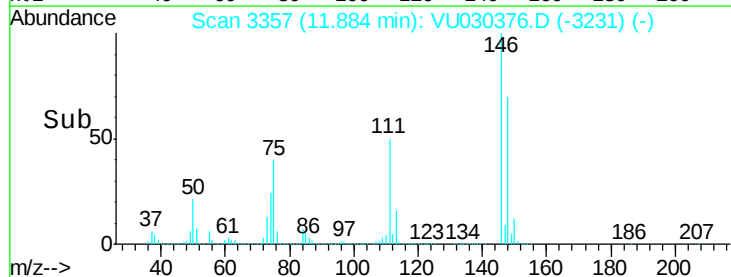
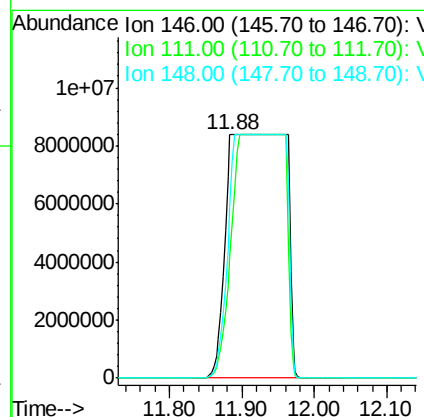
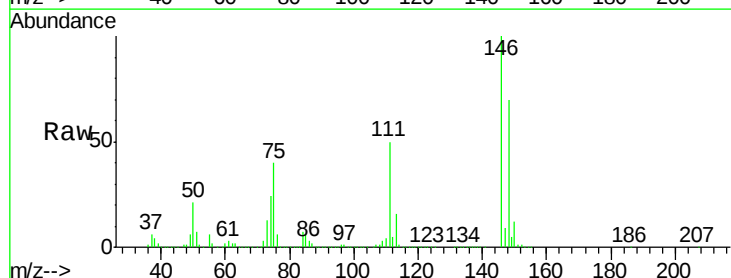
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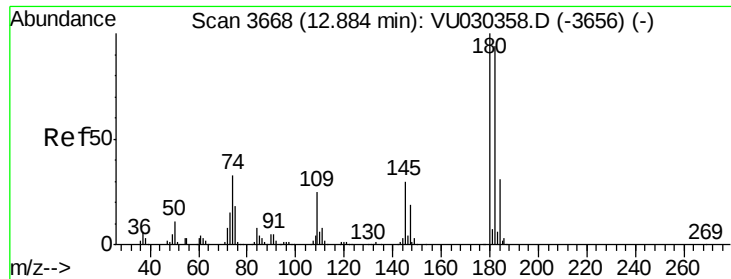
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#65
 1,2-Dichlorobenzene
 Concen: 4788.973 ug/L m
 RT: 11.88 min Scan# 3357
 Delta R.T. 0.01 min
 Lab File: VU030376.D
 Acq: 24 Mar 2019 17:24

Tgt Ion:146 Resp:47033989
 Ion Ratio Lower Upper
 146 100
 111 49.7 34.9 52.3
 148 70.1 51.2 76.8





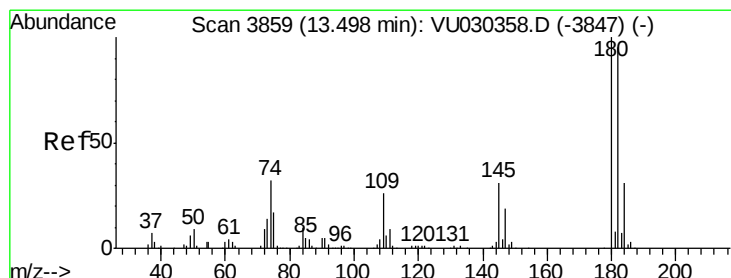
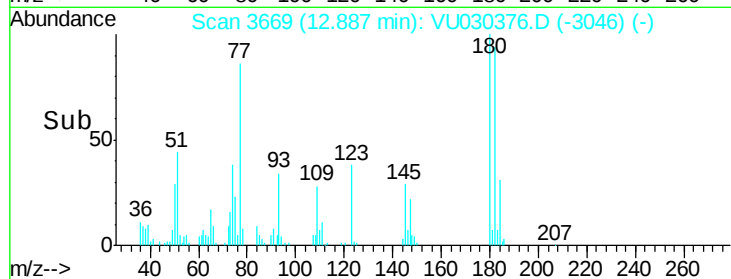
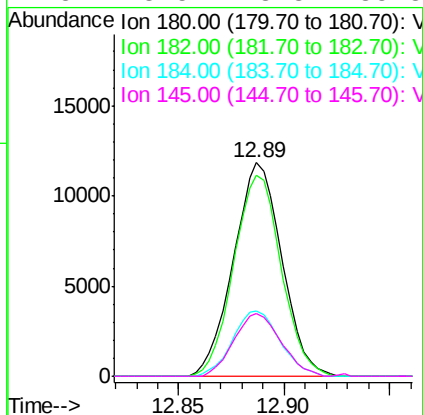
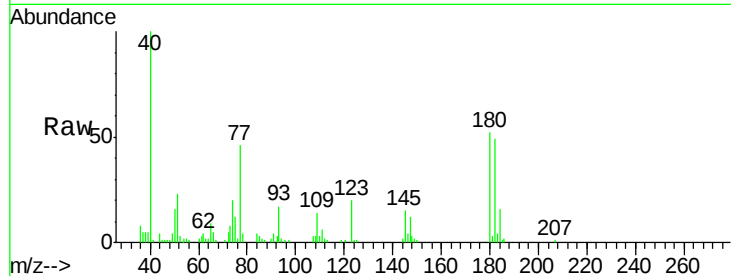
#67
 1,3,5-Trichlorobenzene
 Concen: 2.597 ug/L
 RT: 12.89 min Scan# 3669
 Delta R.T. 0.00 min
 Lab File: VU030376.D
 Acq: 24 Mar 2019 17:24

Instrument :
 MSVOA_U
 ClientSampleId :
 C0987

Tot Ion:180	Resp:	18886
Ion Ratio	Lower	Upper
180	100	
182	92.3	75.9 113.9
184	30.1	24.1 36.1
145	28.5	23.8 35.8

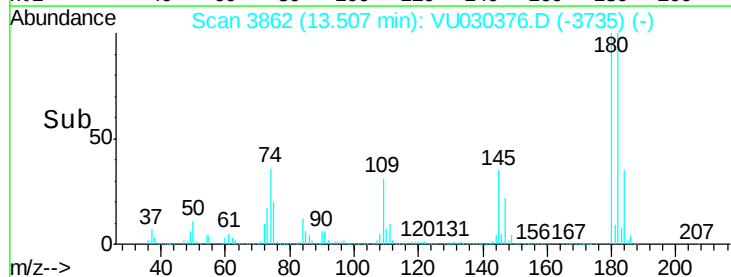
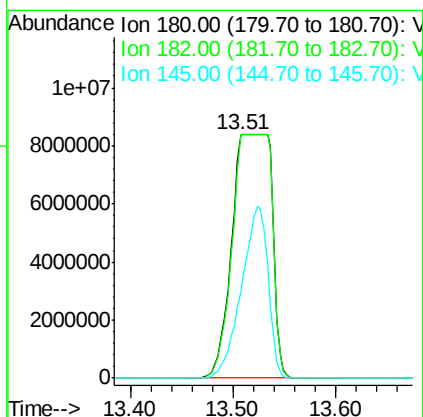
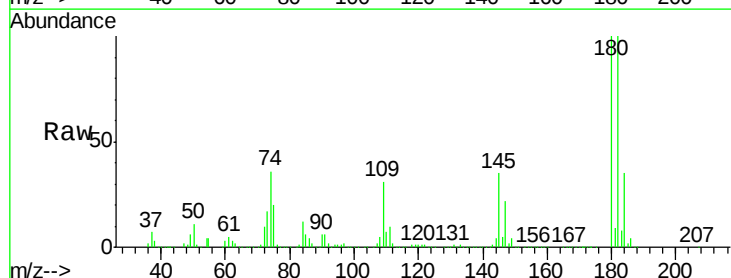
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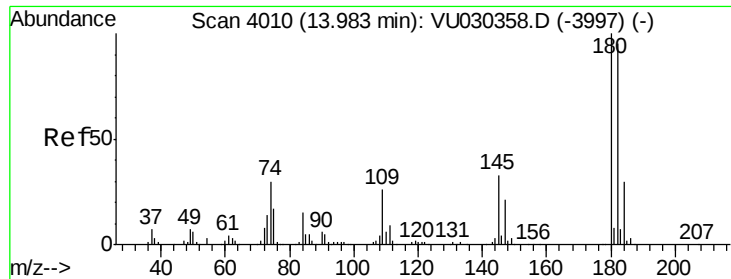
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#68
 1,2,4-trichlorobenzene
 Concen: 3553.517 ug/L m
 RT: 13.51 min Scan# 3862
 Delta R.T. 0.01 min
 Lab File: VU030376.D
 Acq: 24 Mar 2019 17:24

Tgt Ion:180	Resp:	22450723
Ion Ratio	Lower	Upper
180	100	
182	0.0	76.1 114.1#
145	0.0	24.5 36.7#





#70
 1,2,3-Trichlorobenzene
 Concen: 1250.810 ug/L
 RT: 13.99 min Scan# 4013
 Delta R.T. 0.01 min
 Lab File: VU030376.D
 Acq: 24 Mar 2019 17:24

Instrument :
 MSVOA_U
 ClientSampleId :
 C0987

Tot Ion	Ion	Ratio	Lower	Upper
8344655	180	100		
	182	96.2	77.4	116.2
	145	32.4	25.9	38.9

Manual Integrations
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