

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032419\
 Data File : VU030374.D
 Acq On : 24 Mar 2019 16:37
 Operator : JC/SP
 Sample : K2016-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0985

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 12:35:57 PM

Quant Time: Mar 25 13:32:34 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	412481	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	410124	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	211499	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	136381	41.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.16%
7) Chloroethane-d5	1.68	69	115210	43.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.58%
11) 1,1-Dichloroethene-d2	2.27	63	204280	32.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.88%
21) 2-Butanone-d5	4.17	46	280064	89.75	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.75%
24) Chloroform-d	4.65	84	296468	51.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.66%
26) 1,2-Dichloroethane-d4	5.31	65	172845	46.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.36%
32) Benzene-d6	5.34	84	537152	45.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.34%
36) 1,2-Dichloropropane-d6	6.33	67	190181	47.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.52%
41) Toluene-d8	7.56	98	471432	44.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.26%
43) trans-1,3-Dichloropropene-	7.85	79	77830	41.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.26%
47) 2-Hexanone-d5	8.31	63	190425	87.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.33%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	254417	44.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.36%
64) 1,2-Dichlorobenzene-d4	11.87	152	202927	47.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.78%

Target Compounds

					Ovalue
13) Acetone	2.32	43	17640	5.590	ug/L 99
25) Chloroform	4.67	83	962355	159.343	ug/L 98
31) Carbon tetrachloride	5.13	117	45431	10.673	ug/L 96
33) Benzene	5.38	78	27460703m	1966.952	ug/L
34) Trichloroethene	6.19	95	3731	1.087	ug/L 91
38) Bromodichloromethane	6.76	83	7050	1.498	ug/L 99
51) Chlorobenzene	9.12	112	20784699m	2366.912	ug/L
62) 1,3-Dichlorobenzene	11.42	146	5229310	756.053	ug/L 99
63) 1,4-Dichlorobenzene	11.51	146	18686831m	2624.390	ug/L
65) 1,2-Dichlorobenzene	11.88	146	21157319m	3025.168	ug/L
68) 1,2,4-trichlorobenzene	13.50	180	3594091	798.869	ug/L 99
70) 1,2,3-Trichlorobenzene	13.98	180	1559837	328.338	ug/L 100

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

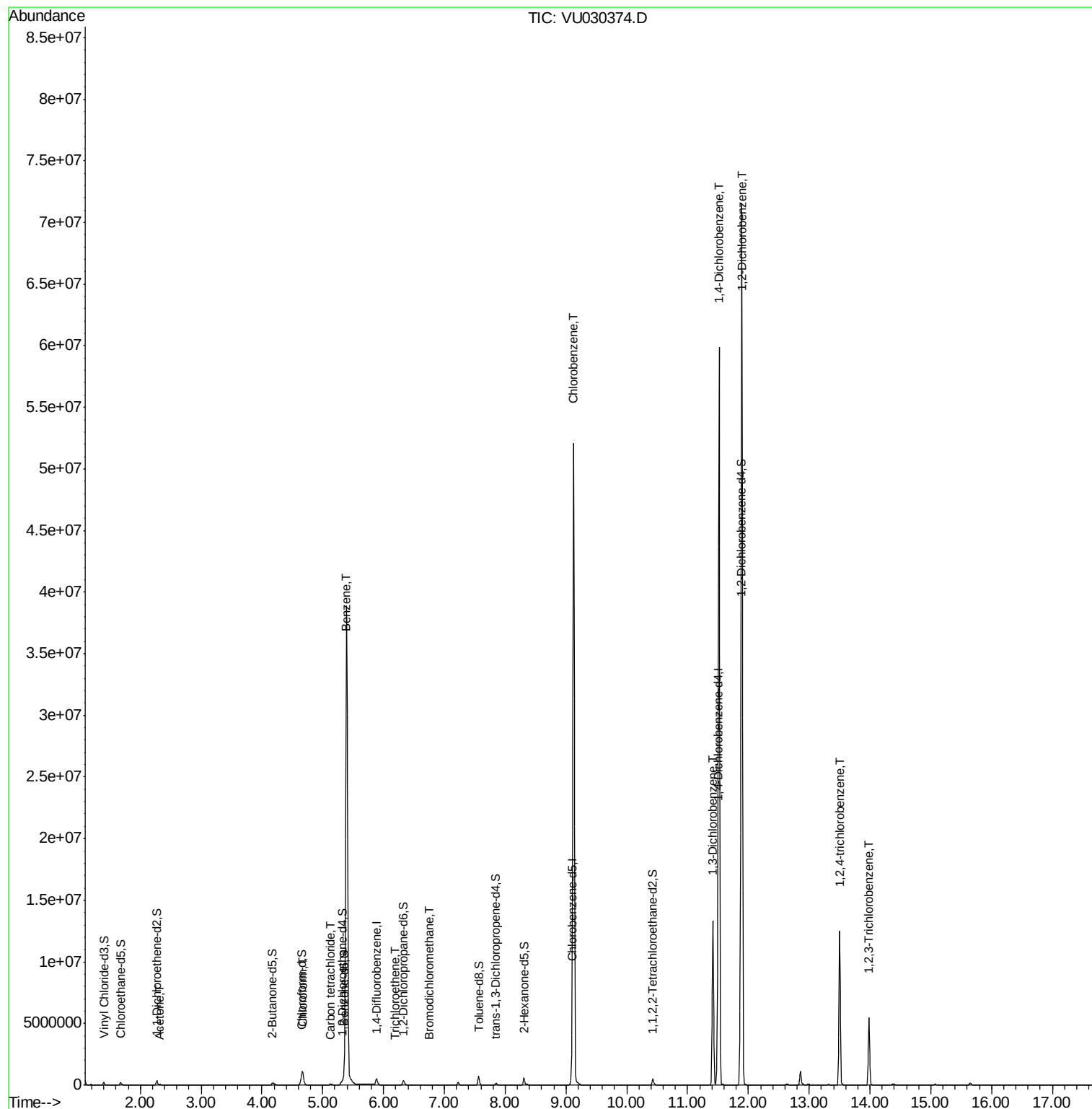
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032419\
Data File : VU030374.D
Acq On : 24 Mar 2019 16:37
Operator : JC/SP
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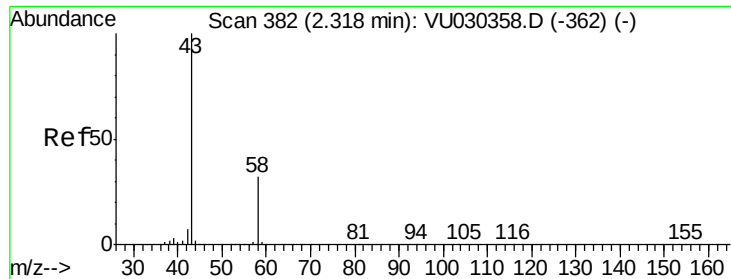
Instrument :
MSVOA_U
ClientSampleId :
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Quant Title : VOC Analysis
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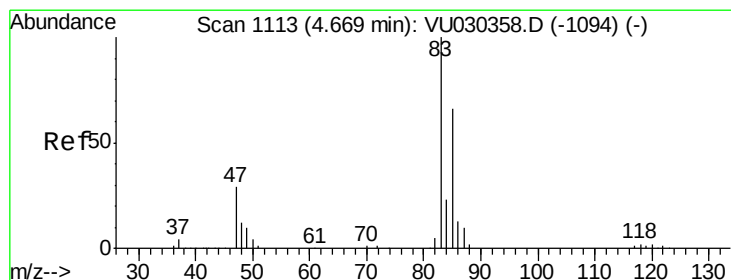
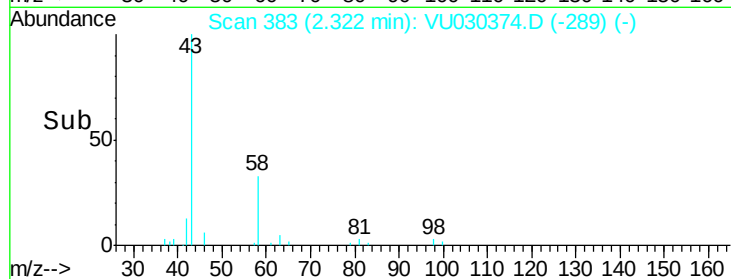
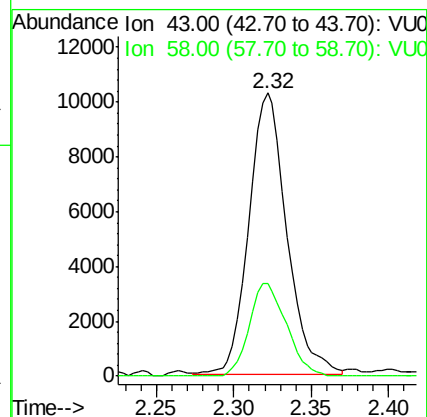
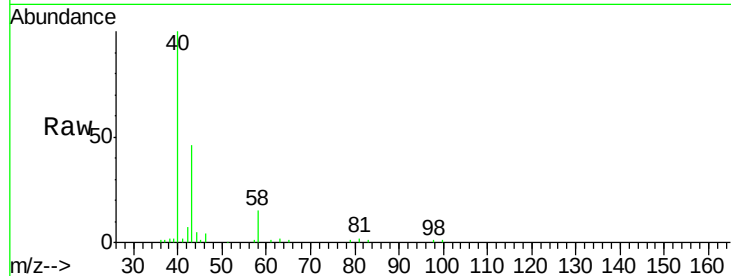
#13
Acetone
Concen: 5.590 ug/L
RT: 2.32 min Scan# 383
Delta R.T. 0.00 min
Lab File: VU030374.D
Acq: 24 Mar 2019 16:37

Instrument :
MSVOA_U
ClientSampled :
C0985

Tot Ion	Ratio	Lower	Upper
43	100		
58	32.0	0.0	62.8

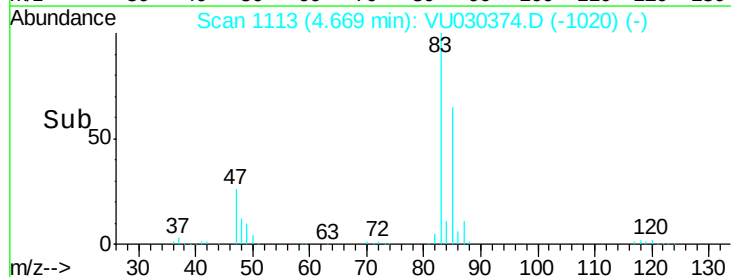
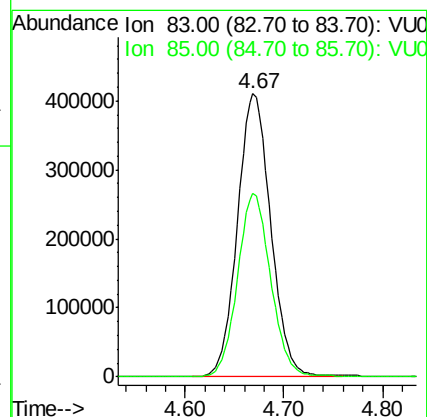
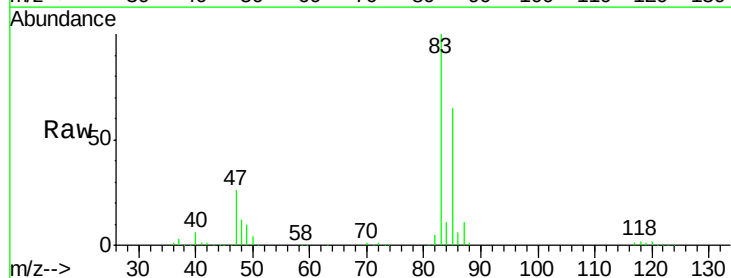
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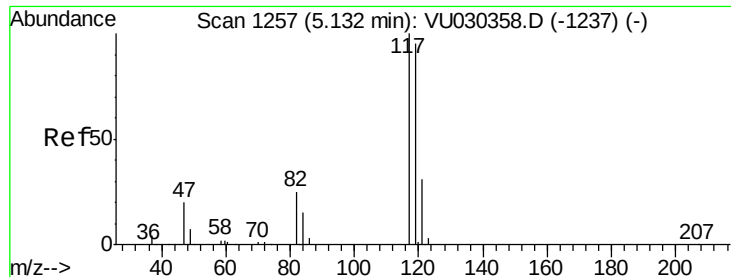
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#25
Chloroform
Concen: 159.343 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030374.D
Acq: 24 Mar 2019 16:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	44.4	82.4





#31

Carbon tetrachloride

Concen: 10.673 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU030374.D

Acq: 24 Mar 2019 16:37

Instrument :

MSVOA_U

ClientSampleId :

C0985

Tot Ion:117 Resp: 45431

Ion Ratio Lower Upper

117 100

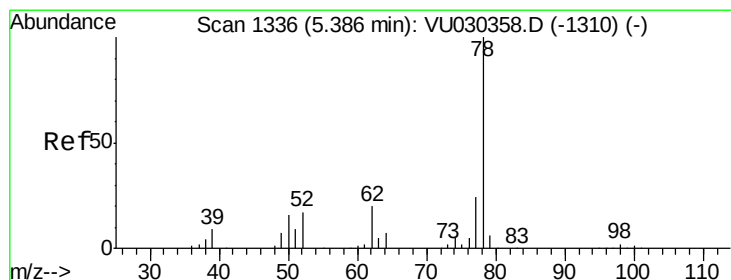
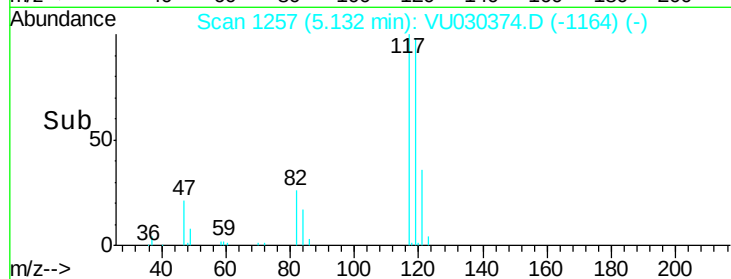
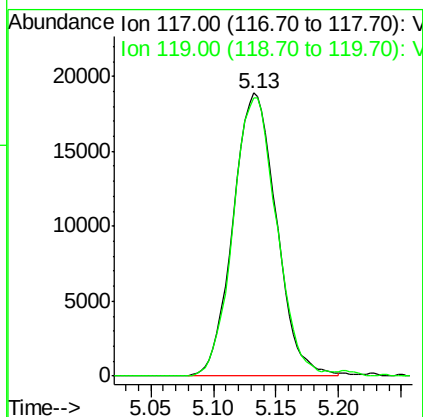
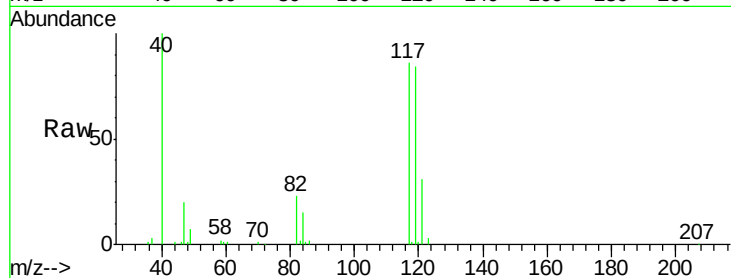
119 98.3 75.4 113.2

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#33

Benzene

Concen: 1966.952 ug/L m

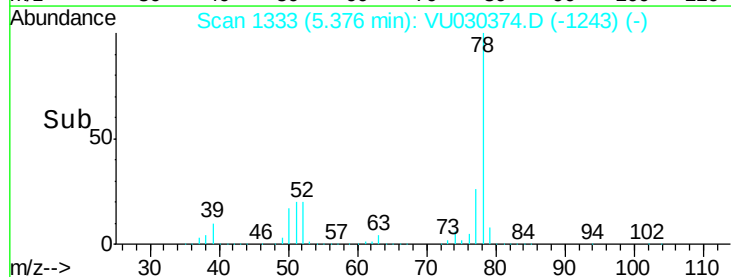
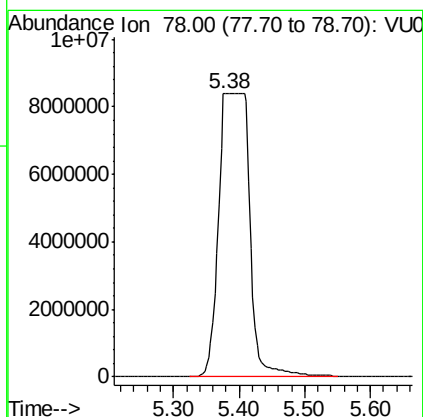
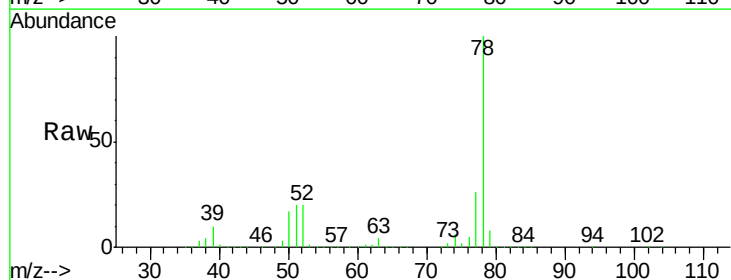
RT: 5.38 min Scan# 1333

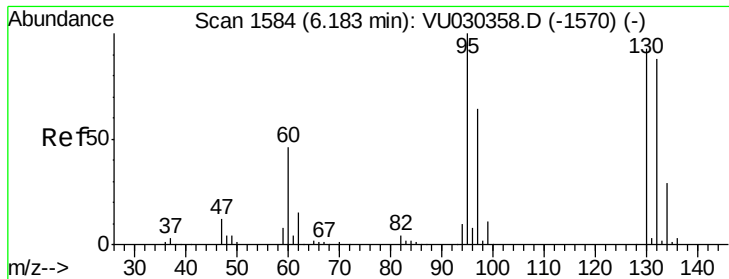
Delta R.T. -0.01 min

Lab File: VU030374.D

Acq: 24 Mar 2019 16:37

Tgt Ion: 78 Resp:27460703





#34

Trichloroethene

Concen: 1.087 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VU030374.D

Acq: 24 Mar 2019 16:37

Instrument :

MSVOA_U

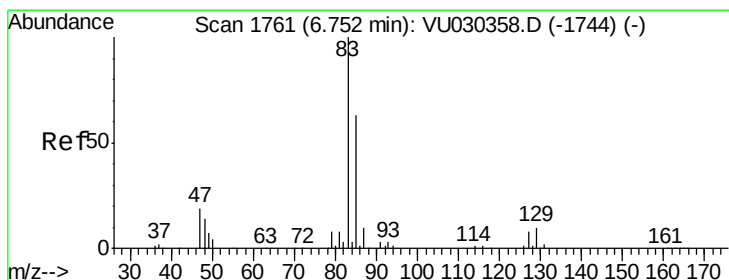
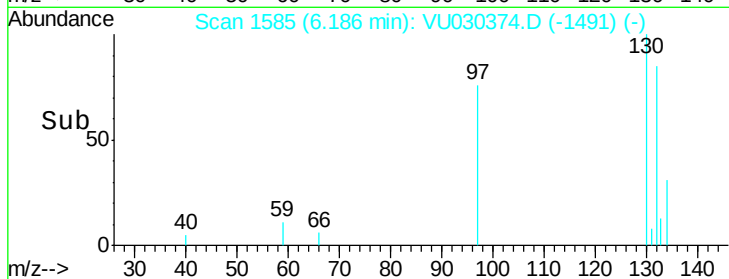
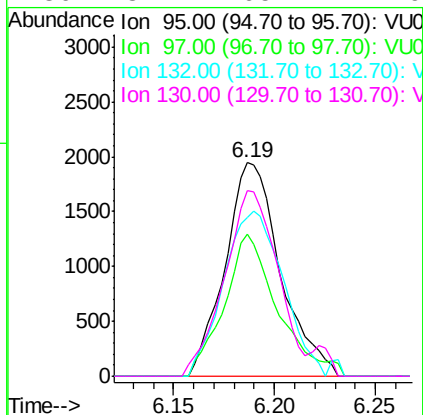
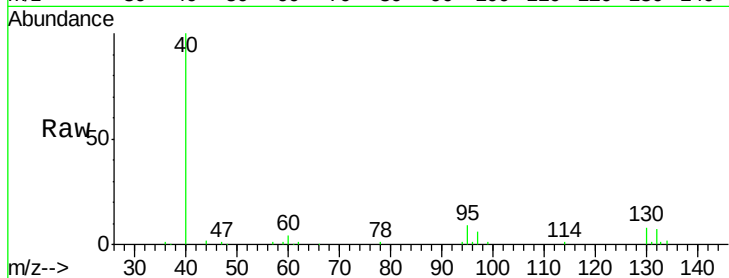
ClientSampleId :

C0985

Tot Ion:	95	Resp:	3731
Ion	Ratio	Lower	Upper
95	100		
97	66.4	45.7	84.9
132	74.2	63.8	118.4
130	87.2	65.7	121.9

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#38

Bromodichloromethane

Concen: 1.498 ug/L

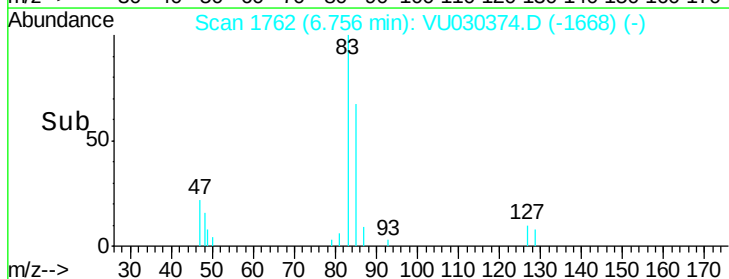
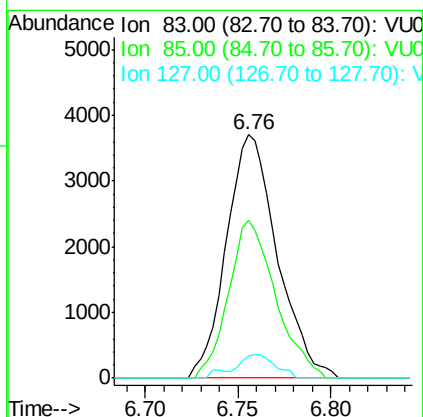
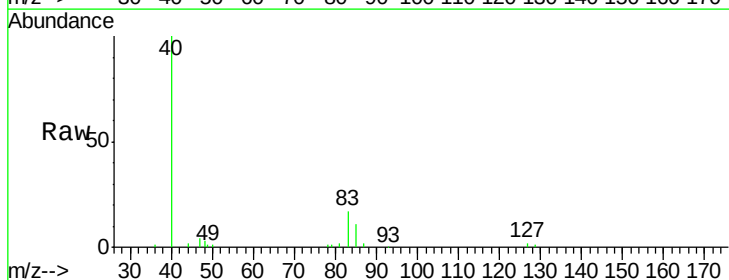
RT: 6.76 min Scan# 1762

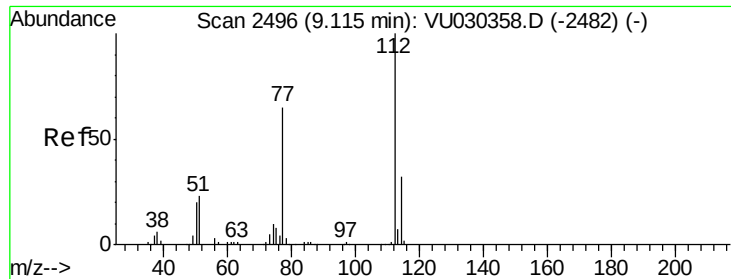
Delta R.T. 0.00 min

Lab File: VU030374.D

Acq: 24 Mar 2019 16:37

Tgt Ion:	83	Resp:	7050
Ion	Ratio	Lower	Upper
83	100		
85	64.7	45.0	83.6
127	9.3	6.6	10.0





#51

Chlorobenzene

Concen: 2366.912 ug/L m

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU030374.D

Acq: 24 Mar 2019 16:37

Instrument :

MSVOA_U

ClientSampled :

C0985

Tot Ion:112 Resp:20784699

Ion Ratio Lower Upper

112 100

114 41.0 21.5 39.9#

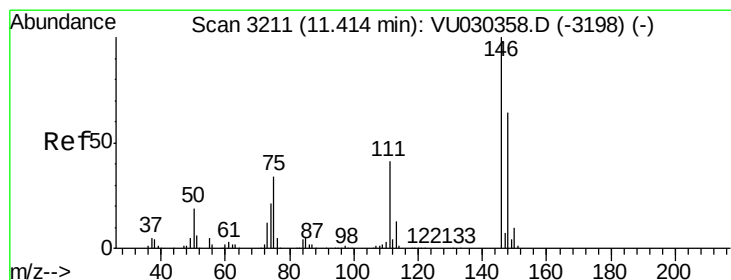
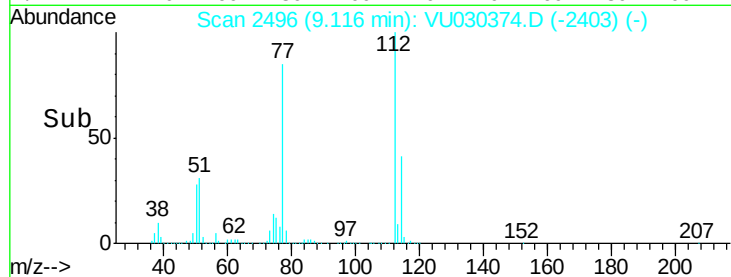
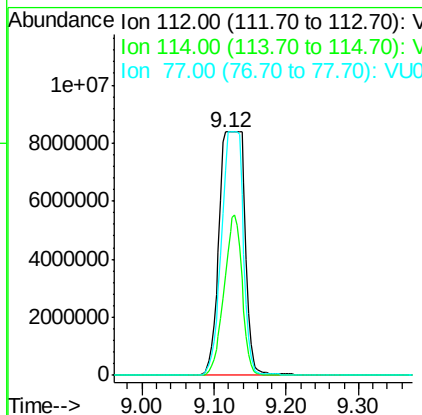
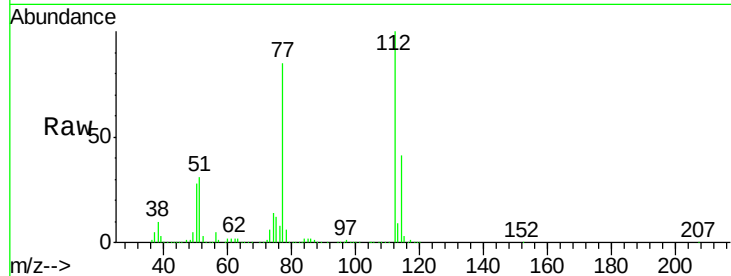
77 84.5 51.4 77.0#

Manual Integrations

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#62

1,3-Dichlorobenzene

Concen: 756.053 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030374.D

Acq: 24 Mar 2019 16:37

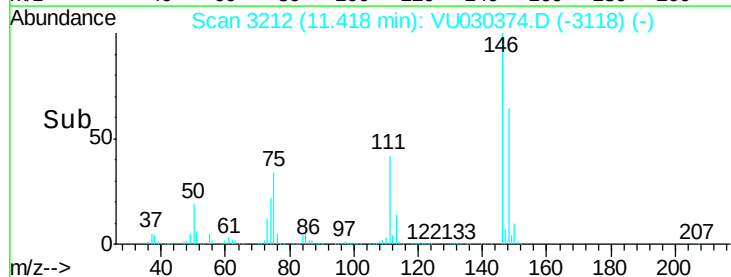
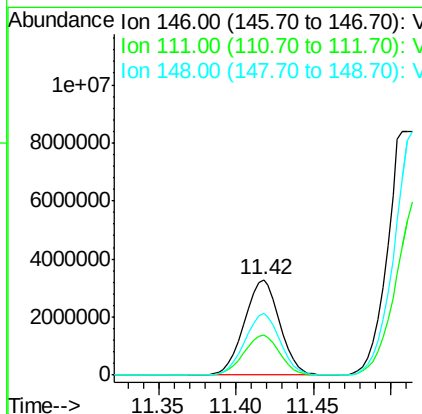
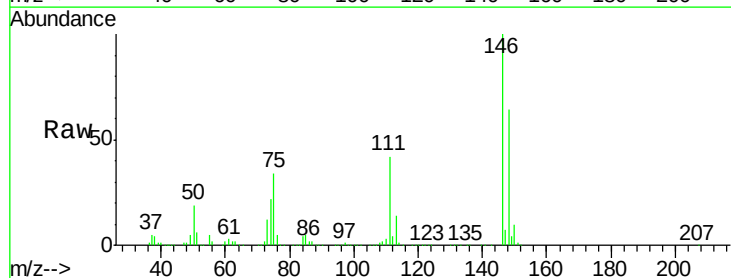
Tgt Ion:146 Resp: 5229310

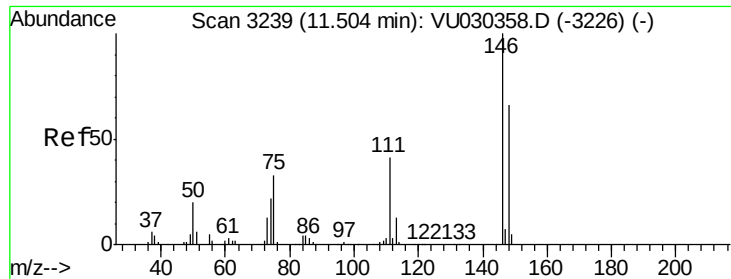
Ion Ratio Lower Upper

146 100

111 42.3 29.2 54.2

148 64.4 44.4 82.4





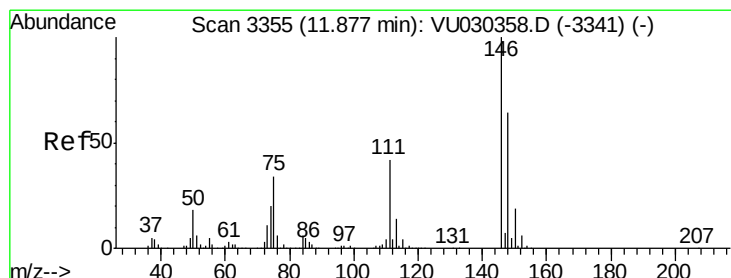
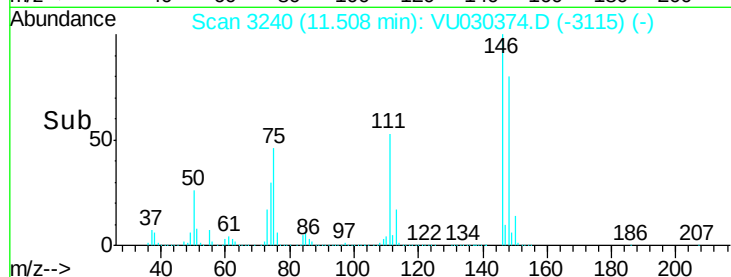
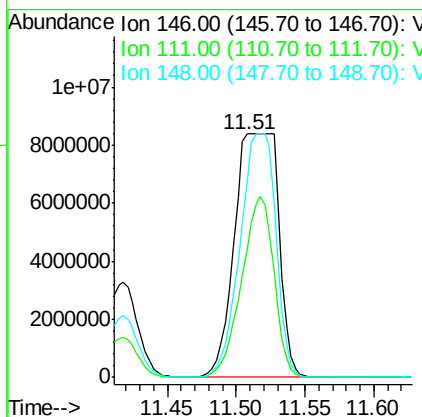
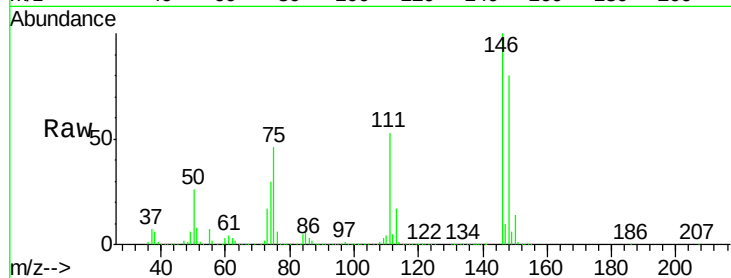
#63
 1,4-Dichlorobenzene
 Concen: 2624.390 ug/L m
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU030374.D
 Acq: 24 Mar 2019 16:37

Instrument :
 MSVOA_U
 ClientSampleID :
 C0985

Tot Ion:146 Resp:18686831
 Ion Ratio Lower Upper
 146 100
 111 52.8 28.7 53.3
 148 80.4 44.3 82.3

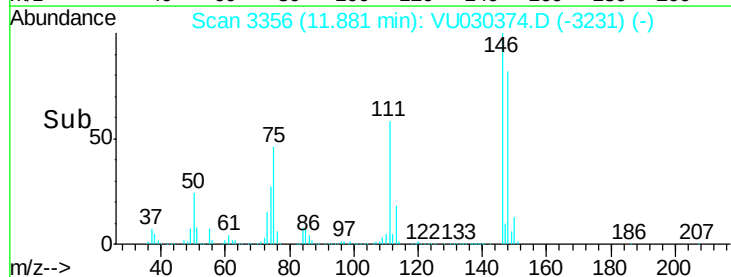
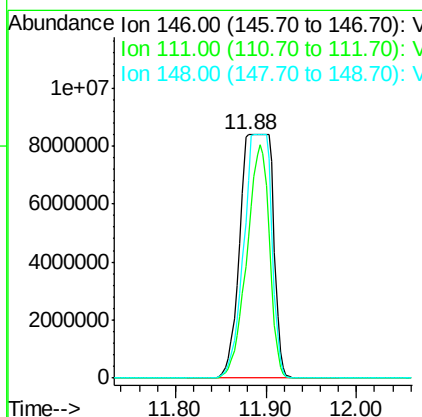
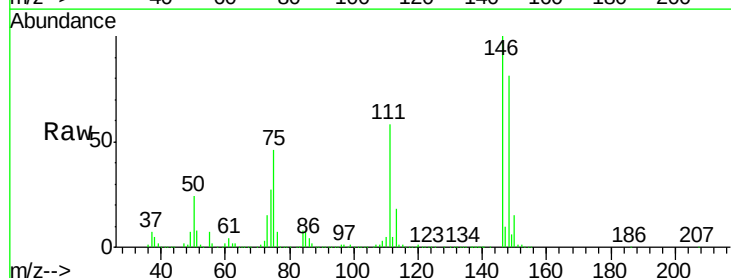
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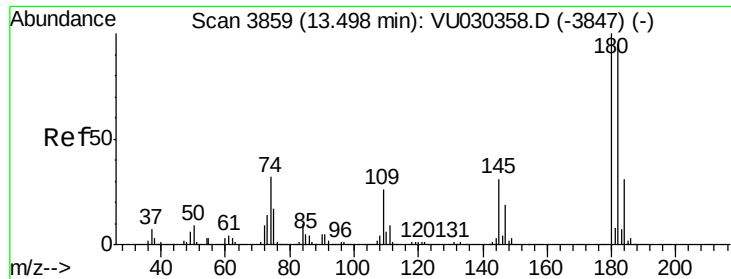
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#65
 1,2-Dichlorobenzene
 Concen: 3025.168 ug/L m
 RT: 11.88 min Scan# 3356
 Delta R.T. 0.00 min
 Lab File: VU030374.D
 Acq: 24 Mar 2019 16:37

Tgt Ion:146 Resp:21157319
 Ion Ratio Lower Upper
 146 100
 111 58.1 34.9 52.3#
 148 81.2 51.2 76.8#





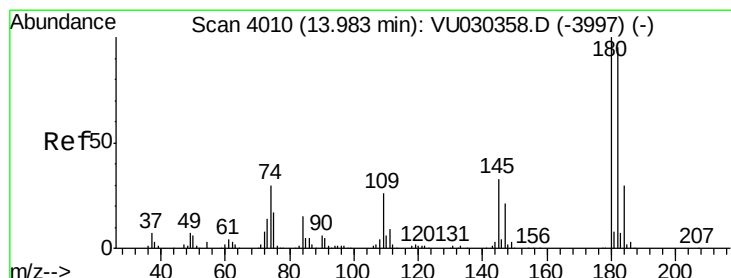
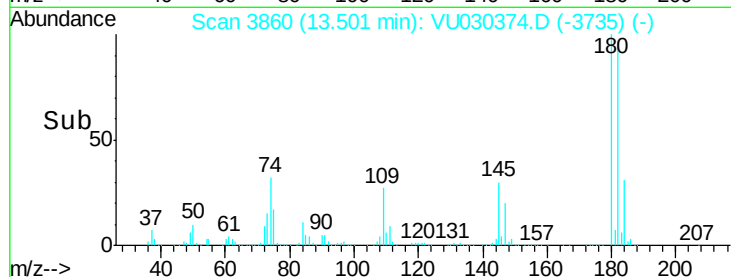
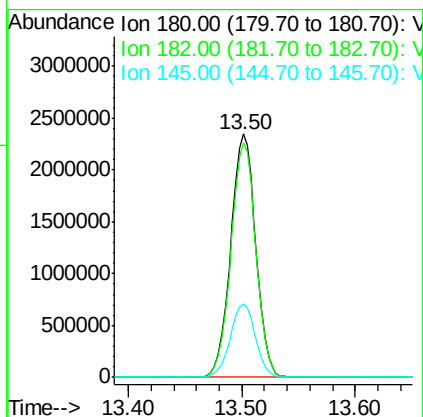
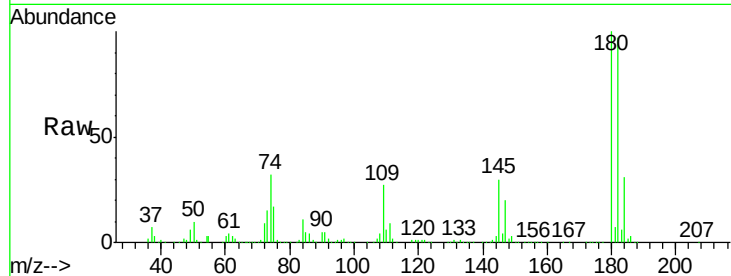
#68
 1,2,4-trichlorobenzene
 Concen: 798.869 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030374.D
 Acq: 24 Mar 2019 16:37

Instrument :
 MSVOA_U
 ClientSampleId :
 C0985

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.1	114.1
145	30.6	24.5	36.7

Manual Integrations
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#70
 1,2,3-Trichlorobenzene
 Concen: 328.338 ug/L
 RT: 13.98 min Scan# 4010
 Delta R.T. 0.00 min
 Lab File: VU030374.D
 Acq: 24 Mar 2019 16:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.4	116.2
145	32.7	25.9	38.9

