

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032019\
 Data File : VU030235.D
 Acq On : 20 Mar 2019 20:09
 Operator : JC/SP
 Sample : K1967-17
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0966

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 12:13:54 PM

Quant Time: Mar 22 02:17:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 22 01:27:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	552827	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	549300	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	307802	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	155928	41.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.42%
7) Chloroethane-d5	1.68	69	132392	44.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.58%
11) 1,1-Dichloroethene-d2	2.27	63	219939	32.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.50%
21) 2-Butanone-d5	4.17	46	261620	94.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.34%
24) Chloroform-d	4.65	84	350492	51.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.18%
26) 1,2-Dichloroethane-d4	5.31	65	182510	46.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.28%
32) Benzene-d6	5.34	84	666481	46.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.08%
36) 1,2-Dichloropropane-d6	6.33	67	209252	46.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.44%
41) Toluene-d8	7.56	98	594507	43.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.36%
43) trans-1,3-Dichloropropene-	7.85	79	96008	44.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.04%
47) 2-Hexanone-d5	8.31	63	218955	94.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.27%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	316430	46.06	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.12%
64) 1,2-Dichlorobenzene-d4	11.87	152	291437	47.16	ug/L	0.01
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.32%

Target Compounds

					Ovalue
13) Acetone	2.32	43	15648	5.400	ug/L 100
25) Chloroform	4.67	83	1088596	156.296	ug/L 98
29) Cyclohexane	4.99	56	3755	0.629	ug/L # 89
31) Carbon tetrachloride	5.13	117	56135	10.711	ug/L 99
33) Benzene	5.38	78	28180480m	1778.169	ug/L
34) Trichloroethene	6.19	95	4366	1.045	ug/L 97
38) Bromodichloromethane	6.76	83	8330	1.596	ug/L 93
51) Chlorobenzene	9.11	112	22561021m	1976.915	ug/L
62) 1,3-Dichlorobenzene	11.42	146	7713046	785.417	ug/L 99
63) 1,4-Dichlorobenzene	11.50	146	21242493m	2085.394	ug/L
65) 1,2-Dichlorobenzene	11.88	146	23716591m	2363.779	ug/L
68) 1,2,4-trichlorobenzene	13.50	180	5867901	864.570	ug/L 100
70) 1,2,3-Trichlorobenzene	13.98	180	2514063	355.002	ug/L 98

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

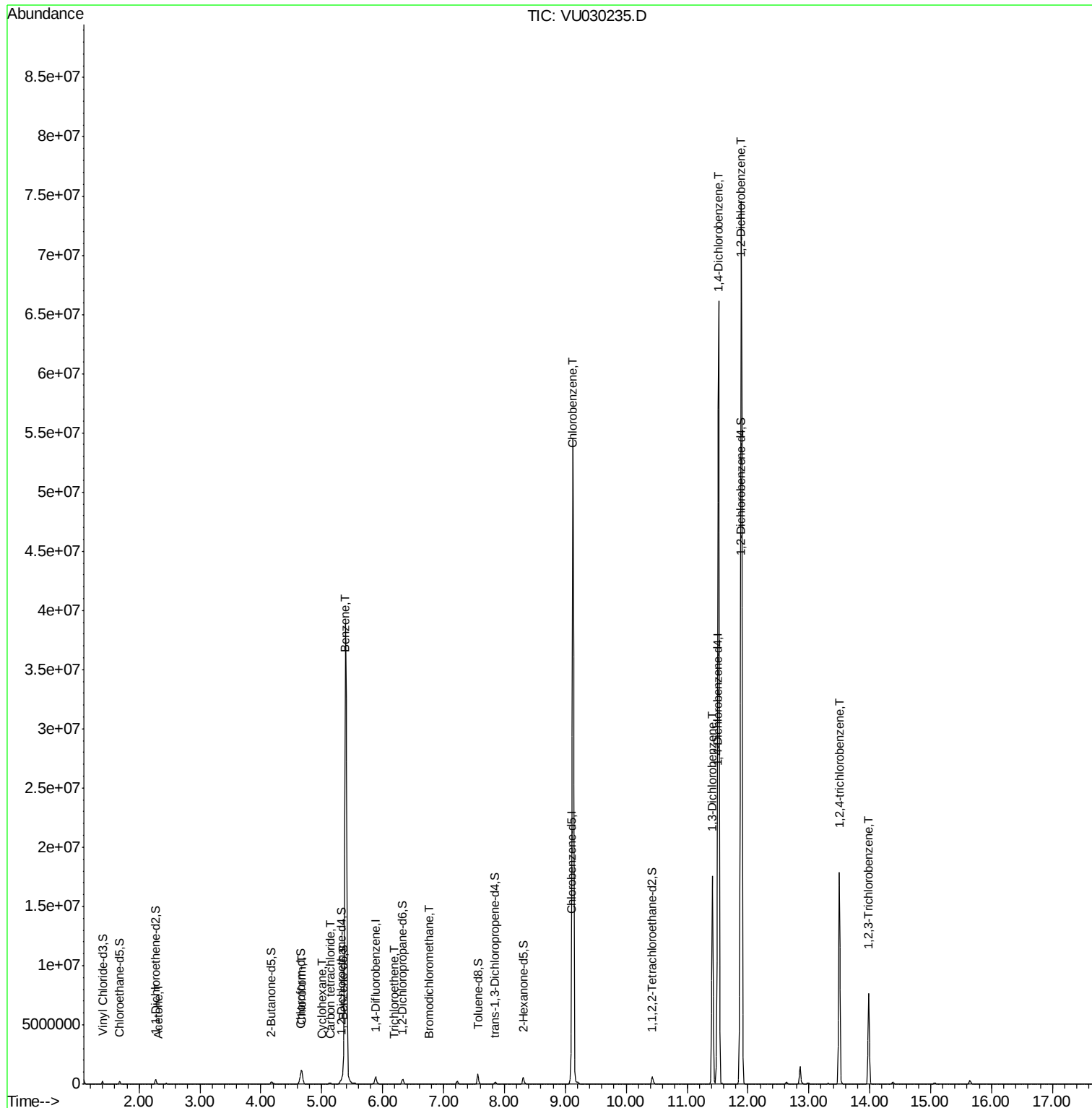
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032019\
Data File : VU030235.D
Acq On : 20 Mar 2019 20:09
Operator : JC/SP
Sample : K1967-17
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

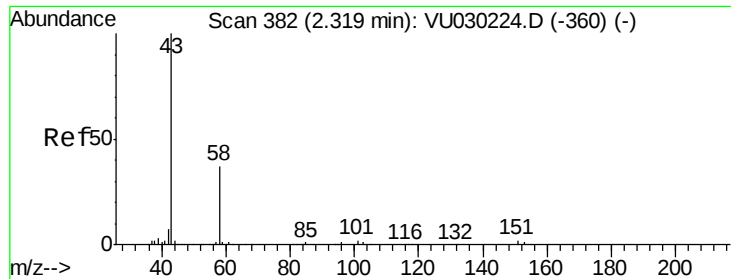
Instrument :
MSVOA_U
ClientSampleId :
C0966

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Quant Time: Mar 22 02:17:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 01:27:23 2019
Response via : Initial Calibration





#13

Acetone

Concen: 5.400 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030235.D

Acq: 20 Mar 2019 20:09

Instrument :

MSVOA_U

ClientSampled :

C0966

Tot Ion: 43 Resp: 15648

Ion Ratio Lower Upper

43 100

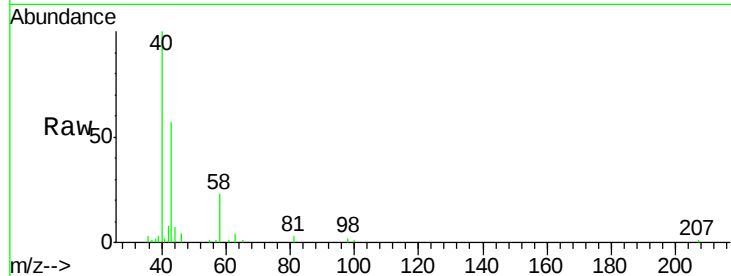
58 36.8 0.0 73.4

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

10000

8000

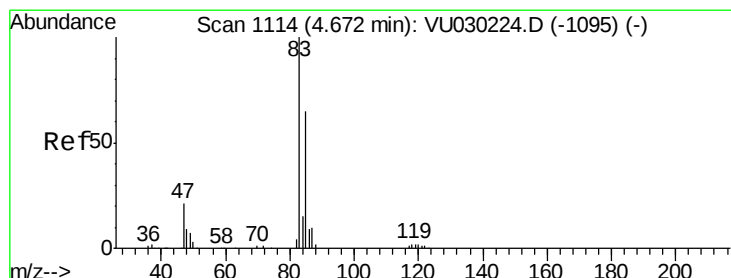
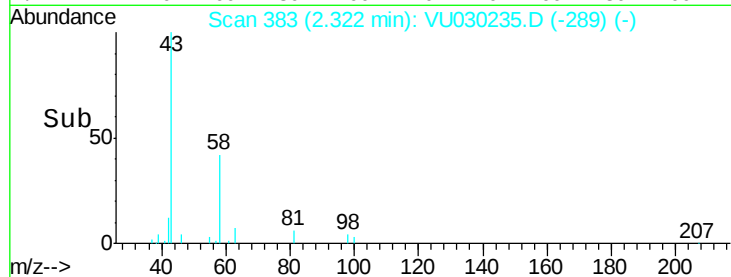
6000

4000

2000

0

Time--> 2.25 2.30 2.35 2.40



#25

Chloroform

Concen: 156.296 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU030235.D

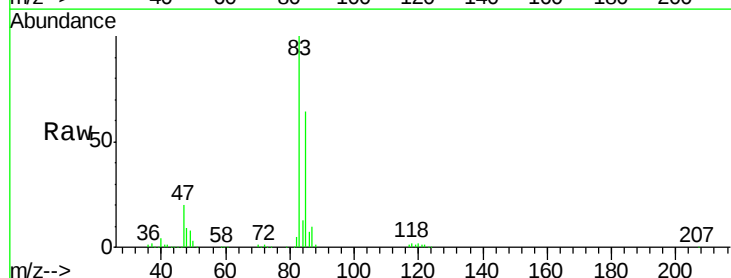
Acq: 20 Mar 2019 20:09

Tgt Ion: 83 Resp: 1088596

Ion Ratio Lower Upper

83 100

85 63.7 45.8 85.2



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

4.67

500000

400000

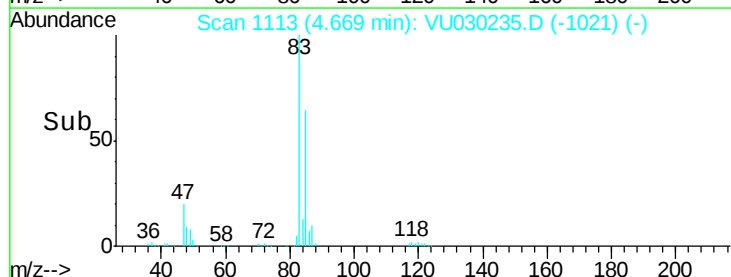
300000

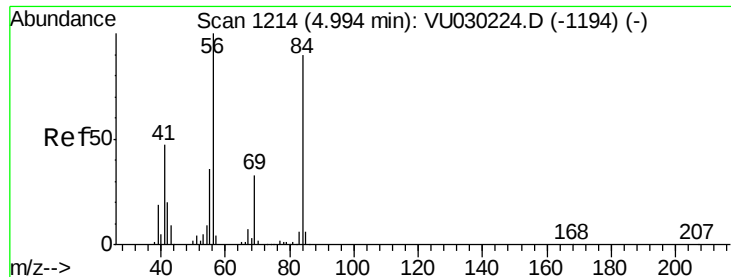
200000

100000

0

Time--> 4.60 4.70 4.80





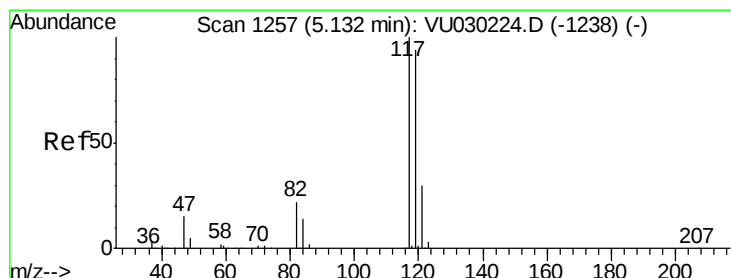
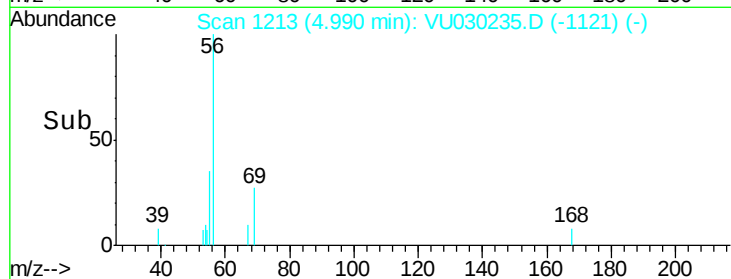
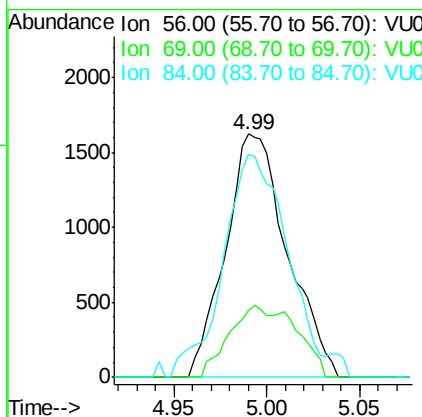
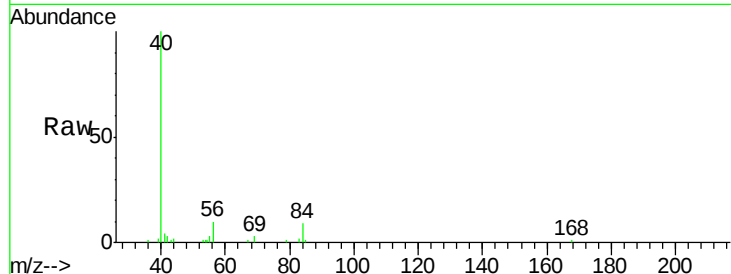
#29
Cyclohexane
Concen: 0.629 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. -0.00 min
Lab File: VU030235.D
Acq: 20 Mar 2019 20:09

Instrument :
MSVOA_U
ClientSampleId :
C0966

Tot Ion	Ratio	Lower	Upper
56	100		
69	17.8	25.4	38.2#
84	95.2	71.5	107.3

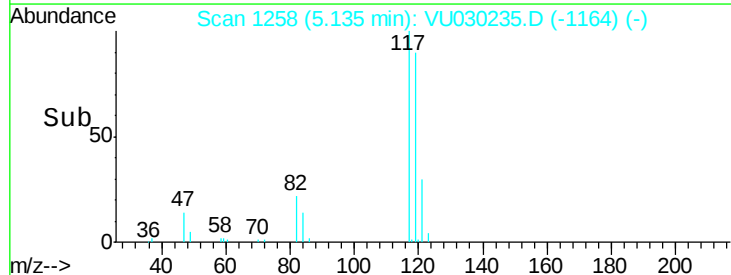
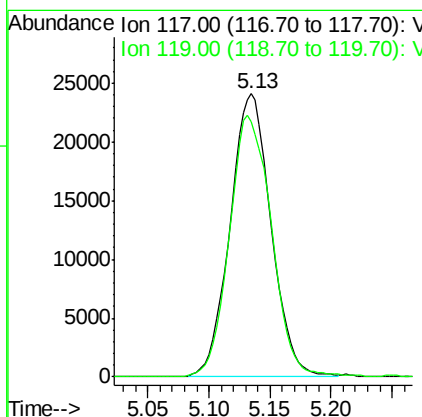
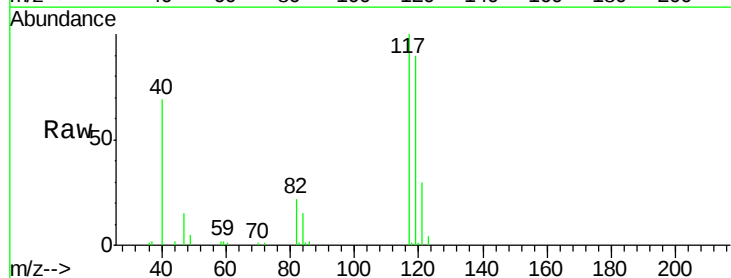
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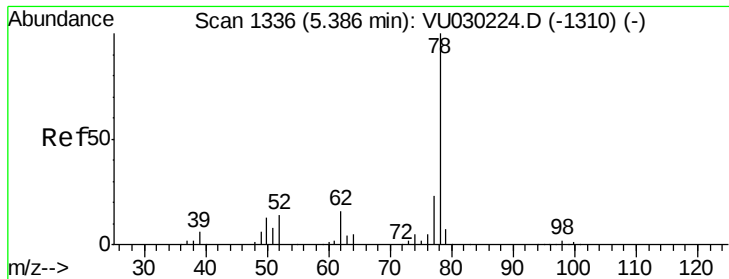
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#31
Carbon tetrachloride
Concen: 10.711 ug/L
RT: 5.13 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VU030235.D
Acq: 20 Mar 2019 20:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.1	115.7





#33

Benzene

Concen: 1778.169 ug/L m

RT: 5.38 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VU030235.D

Acq: 20 Mar 2019 20:09

Instrument :

MSVOA_U

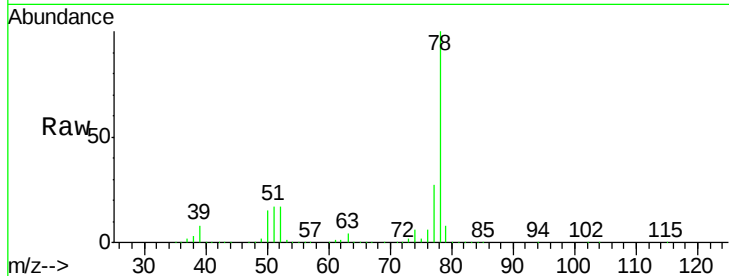
ClientSampleId :

C0966

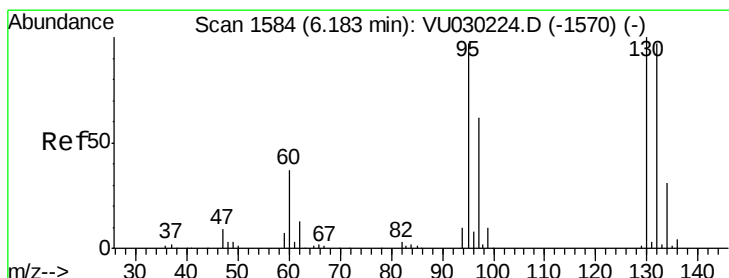
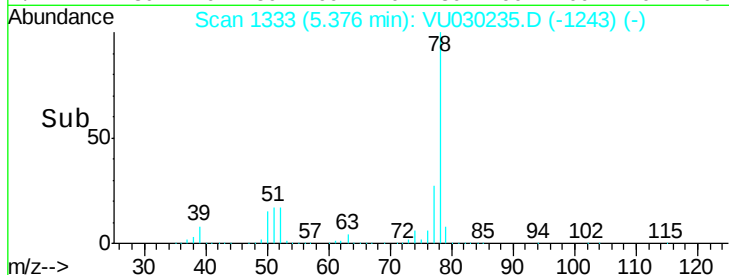
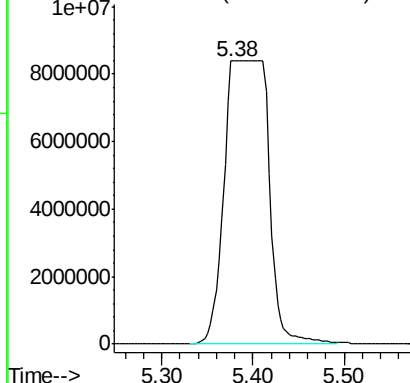
Tgt Ion: 78 Resp:28180480

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Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 1.045 ug/L

RT: 6.19 min Scan# 1586

Delta R.T. 0.01 min

Lab File: VU030235.D

Acq: 20 Mar 2019 20:09

Tgt Ion: 95 Resp: 4366

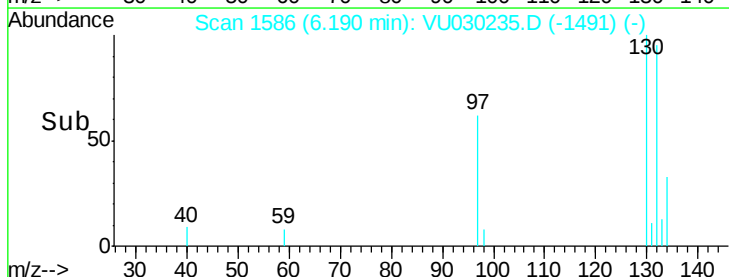
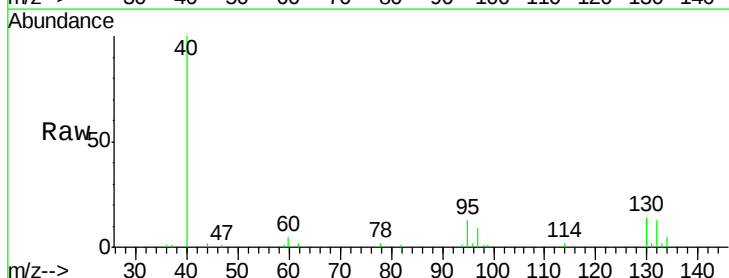
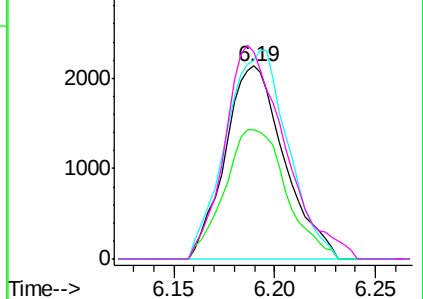
Ion	Ratio	Lower	Upper
95	100		
97	67.1	46.2	85.8
132	103.0	69.3	128.7
130	107.8	73.6	136.6

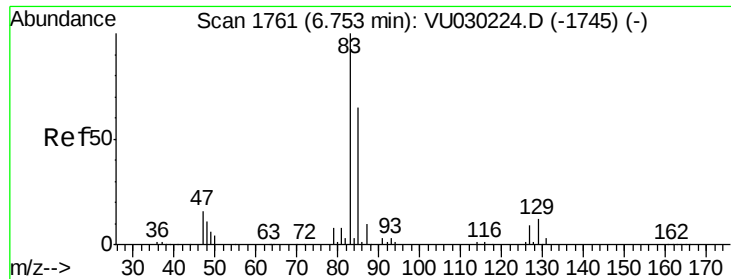
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#38

Bromodichloromethane

Concen: 1.596 ug/L

RT: 6.76 min Scan# 1763

Delta R.T. 0.01 min

Lab File: VU030235.D

Acq: 20 Mar 2019 20:09

Instrument :

MSVOA_U

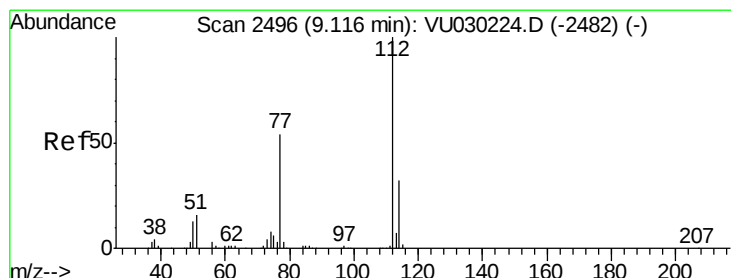
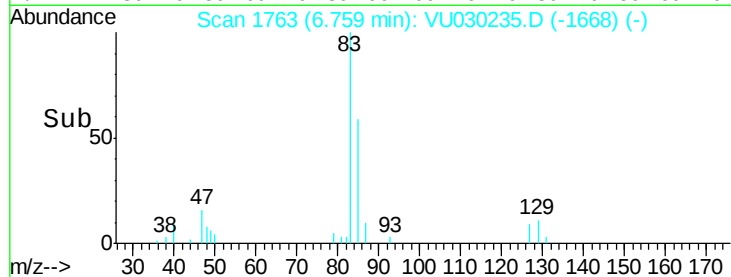
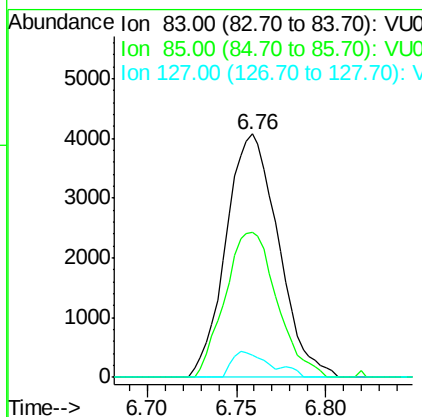
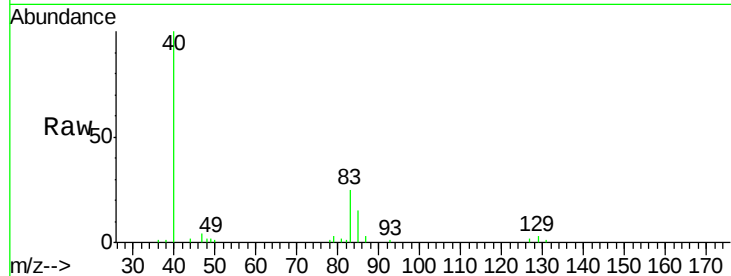
ClientSampled :

C0966

Tot Ion:	83	Resp:	8330
Ion	Ratio	Lower	Upper
83	100		
85	59.4	45.8	85.2
127	9.3	7.4	11.0

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#51

Chlorobenzene

Concen: 1976.915 ug/L m

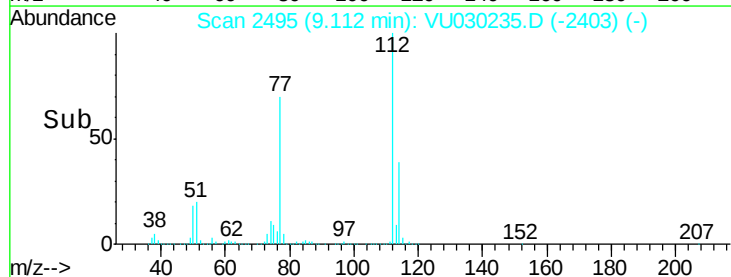
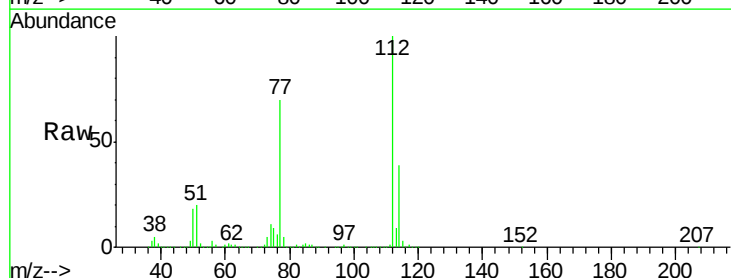
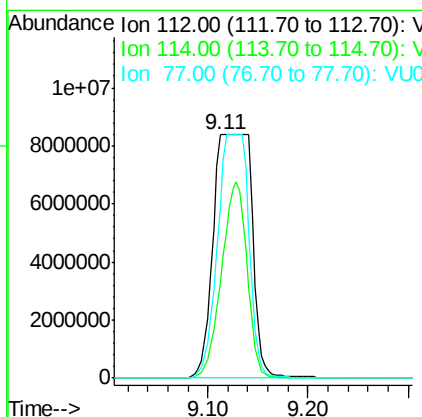
RT: 9.11 min Scan# 2495

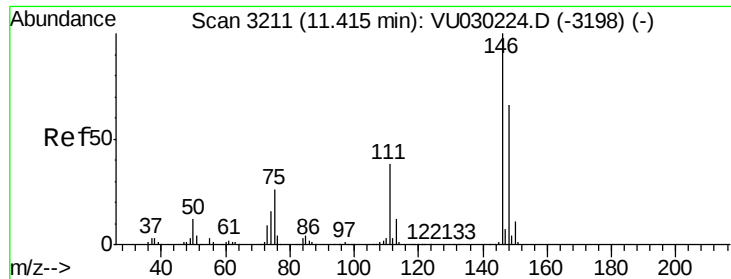
Delta R.T. -0.00 min

Lab File: VU030235.D

Acq: 20 Mar 2019 20:09

Tgt Ion:	112	Resp:	22561021
Ion	Ratio	Lower	Upper
112	100		
114	39.0	22.5	41.7
77	70.3	43.4	65.0#





#62

1,3-Dichlorobenzene

Concen: 785.417 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030235.D

Acq: 20 Mar 2019 20:09

Instrument :

MSVOA_U

ClientSampleId :

C0966

Tot Ion:146 Resp: 7713046

Ion Ratio Lower Upper

146 100

111 38.4 27.2 50.4

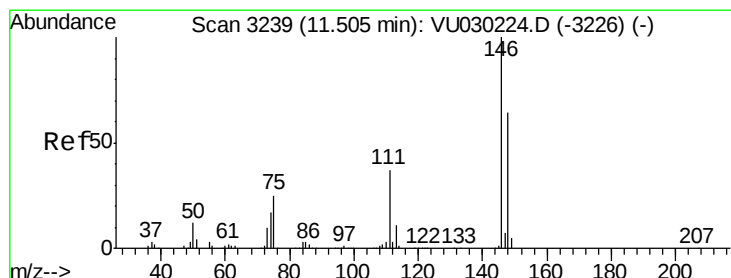
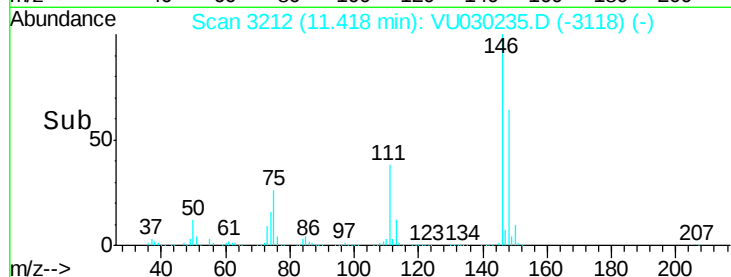
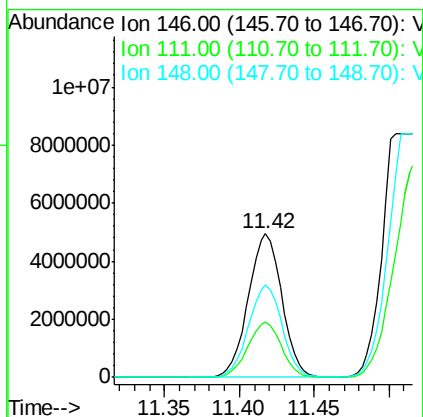
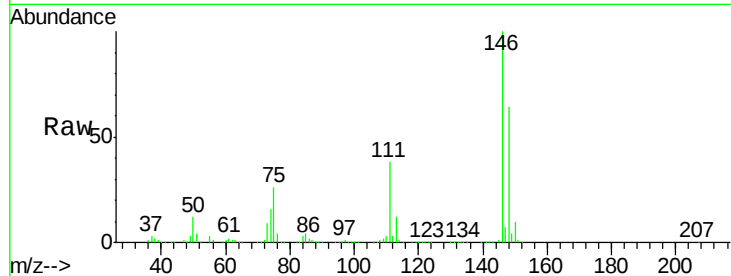
148 64.2 44.4 82.5

Manual Integrations

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#63

1,4-Dichlorobenzene

Concen: 2085.394 ug/L m

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU030235.D

Acq: 20 Mar 2019 20:09

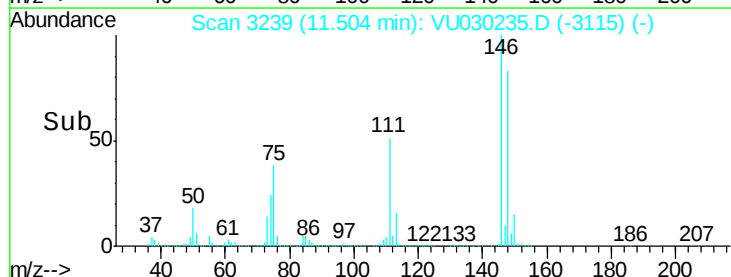
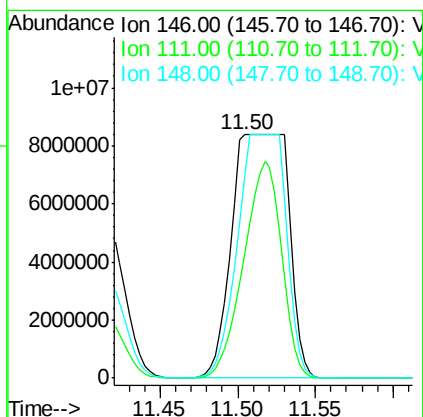
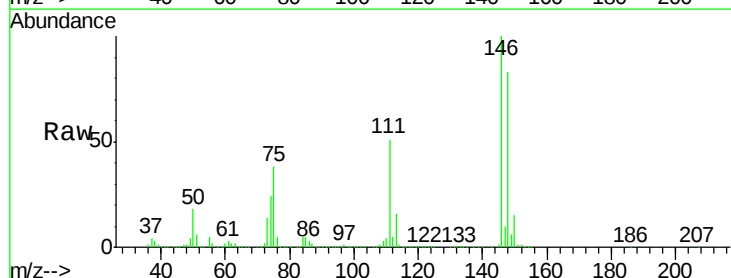
Tgt Ion:146 Resp:21242493

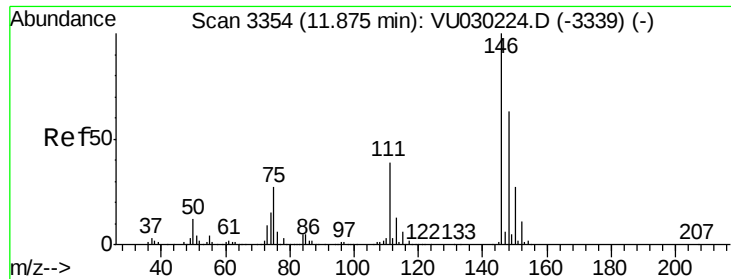
Ion Ratio Lower Upper

146 100

111 51.3 25.3 46.9#

148 83.5 44.7 82.9#





#65

1,2-Dichlorobenzene

Concen: 2363.779 ug/L m

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU030235.D

Acq: 20 Mar 2019 20:09

Instrument :

MSVOA_U

ClientSampled :

C0966

Tot Ion:146 Resp:23716591

Ion Ratio Lower Upper

146 100

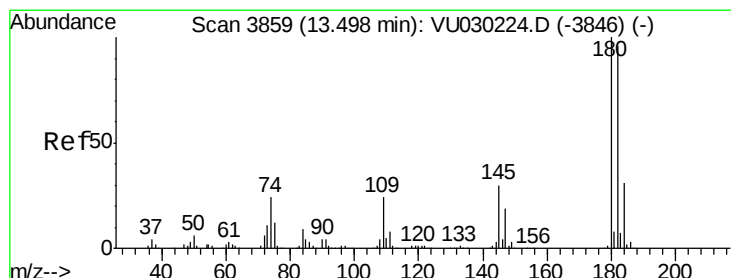
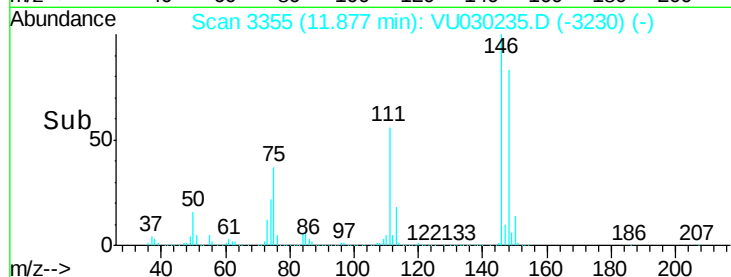
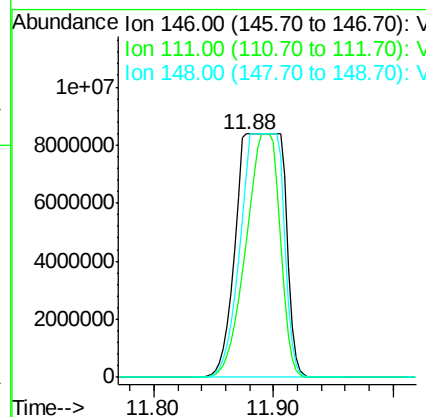
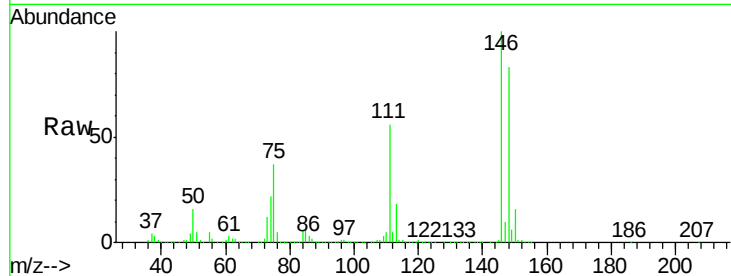
111 55.6 31.7 47.5#

148 82.9 52.0 78.0#

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#68

1,2,4-trichlorobenzene

Concen: 864.570 ug/L

RT: 13.50 min Scan# 3860

Delta R.T. 0.00 min

Lab File: VU030235.D

Acq: 20 Mar 2019 20:09

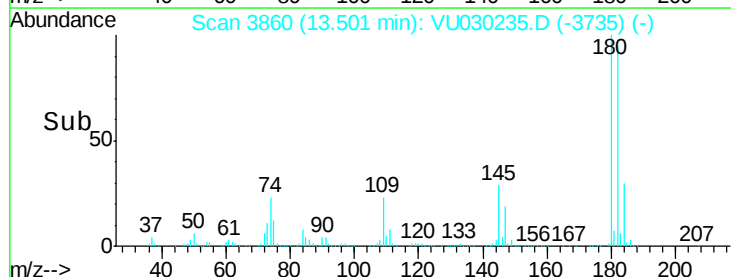
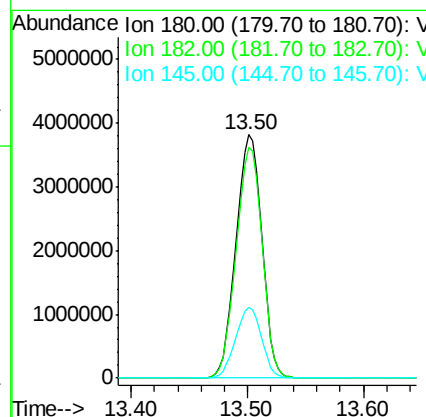
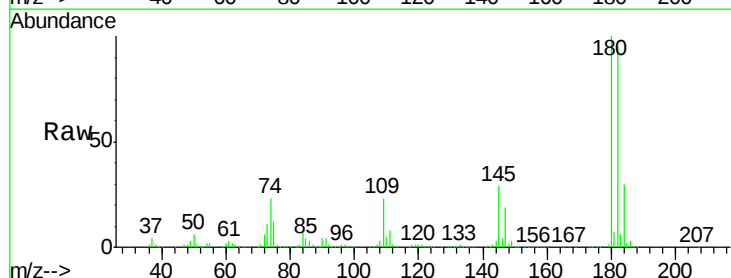
Tgt Ion:180 Resp: 5867901

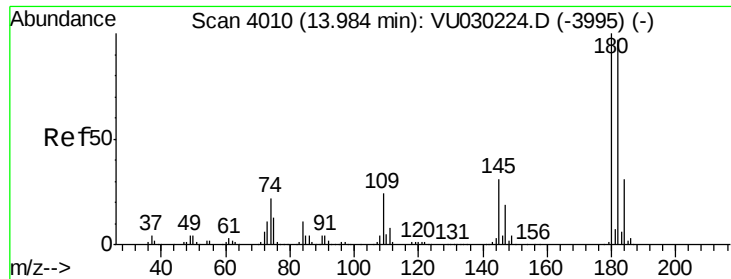
Ion Ratio Lower Upper

180 100

182 95.3 76.4 114.6

145 29.1 22.7 34.1





#70
 1,2,3-Trichlorobenzene
 Concen: 355.002 ug/L
 RT: 13.98 min Scan# 4010
 Delta R.T. -0.00 min
 Lab File: VU030235.D
 Acq: 20 Mar 2019 20:09

Instrument :
 MSVOA_U
 ClientSampleId :
 C0966

Tot Ion	Ion	Ratio	Lower	Upper
2514063	180	100		
	182	96.6	75.9	113.9
	145	30.6	24.1	36.1

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