

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032019\
 Data File : VU030244.D
 Acq On : 20 Mar 2019 23:35
 Operator : JC/SP
 Sample : K2017-01
 Misc : 6.34g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF0D4

Quant Time: Mar 22 03:00:09 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	563588	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	564482	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	297720	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	125218	32.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.72%
7) Chloroethane-d5	1.64	69	61360	20.14	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	40.28%#
11) 1,1-Dichloroethene-d2	2.23	63	184043	26.47	ug/L	-0.05
Spiked Amount	50.000	Range	60 - 125	Recovery	=	52.94%#
21) 2-Butanone-d5	4.19	46	245372	86.79	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.79%
24) Chloroform-d	4.64	84	272577	38.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.94%
26) 1,2-Dichloroethane-d4	5.30	65	165220	41.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.84%
32) Benzene-d6	5.33	84	577863	38.85	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.70%
36) 1,2-Dichloropropane-d6	6.32	67	184193	40.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.04%
41) Toluene-d8	7.56	98	531330	37.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.98%#
43) trans-1,3-Dichloropropene-	7.85	79	85947	38.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.70%
47) 2-Hexanone-d5	8.32	63	220814	92.51	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.51%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	323567	45.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.66%
64) 1,2-Dichlorobenzene-d4	11.86	152	252071	42.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.34%

Target Compounds

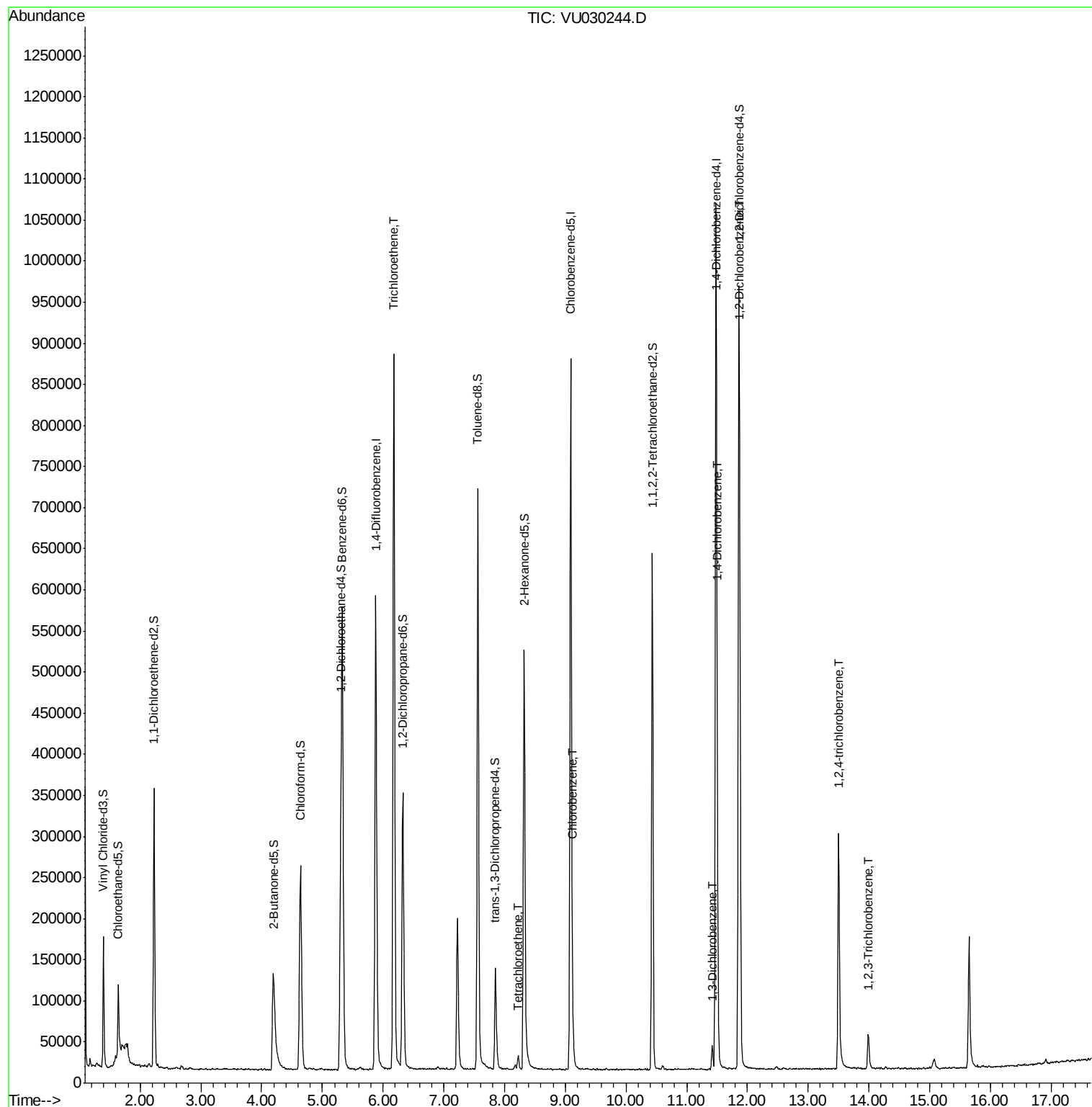
					Ovalue
34) Trichloroethene	6.18	95	315367	73.468	ug/L 99
46) Tetrachloroethene	8.22	164	4442	1.225	ug/L 97
51) Chlorobenzene	9.12	112	36580	3.119	ug/L 97
62) 1,3-Dichlorobenzene	11.42	146	13401	1.411	ug/L 99
63) 1,4-Dichlorobenzene	11.51	146	95694	9.712	ug/L 98
65) 1,2-Dichlorobenzene	11.88	146	168527	17.366	ug/L 99
68) 1,2,4-trichlorobenzene	13.50	180	111468	16.980	ug/L 100
70) 1,2,3-Trichlorobenzene	13.99	180	17160	2.505	ug/L 91

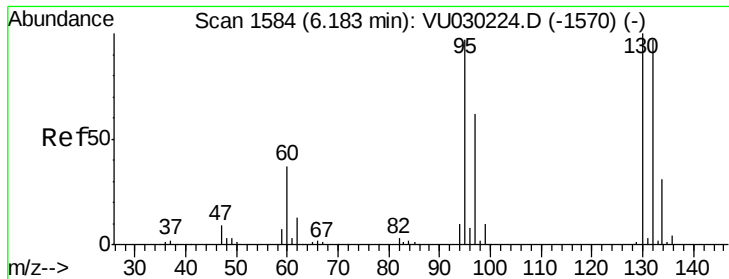
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#34

Trichloroethene

Concen: 73.468 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.01 min

Lab File: VU030244.D

Acq: 20 Mar 2019 23:35

Instrument :

MSVOA_U

ClientSampled :

BF0D4

Tot Ion: 95 Resp: 315367

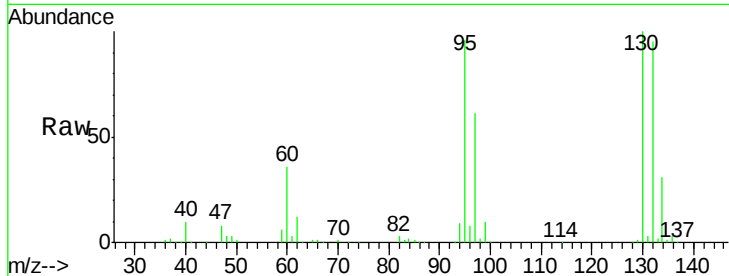
Ion Ratio Lower Upper

95 100

97 63.9 46.2 85.8

132 99.1 69.3 128.7

130 104.6 73.6 136.6

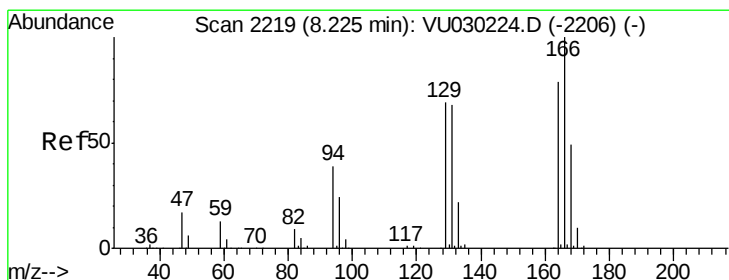
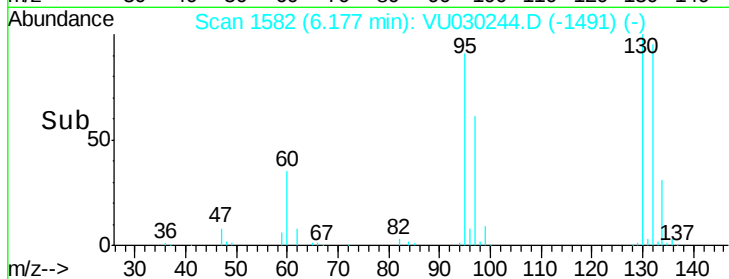
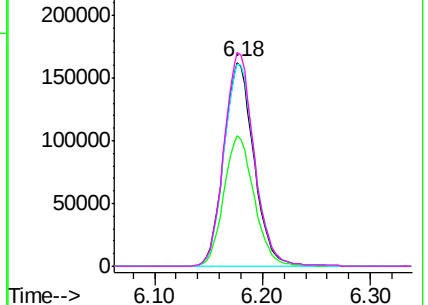


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#46

Tetrachloroethene

Concen: 1.225 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU030244.D

Acq: 20 Mar 2019 23:35

Tgt Ion:164 Resp: 4442

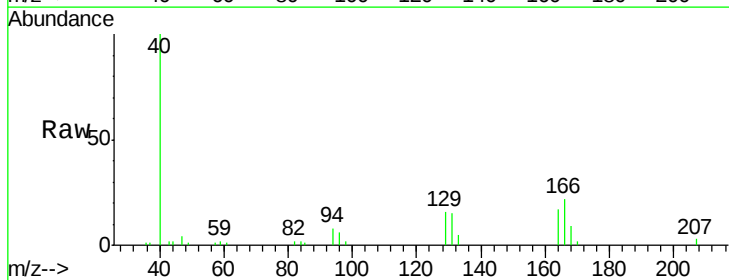
Ion Ratio Lower Upper

164 100

129 95.4 64.4 119.6

131 84.7 63.2 117.4

166 126.9 89.5 166.1

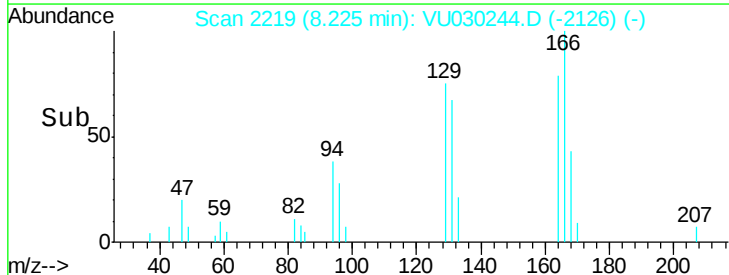
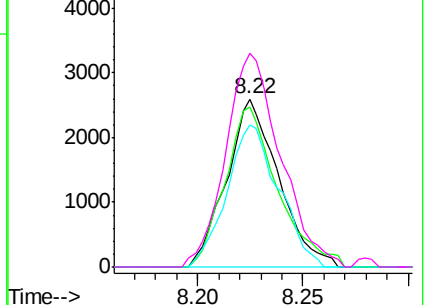


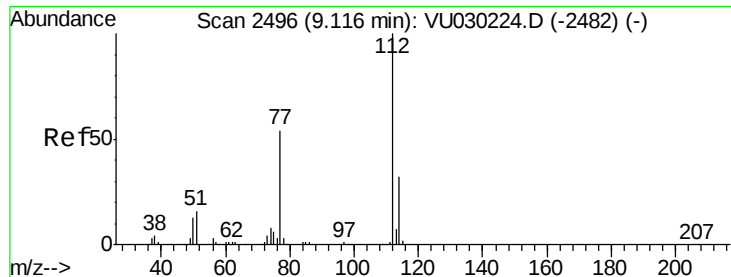
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#51

Chlorobenzene

Concen: 3.119 ug/L

RT: 9.12 min Scan# 2498

Delta R.T. 0.01 min

Lab File: VU030244.D

Acq: 20 Mar 2019 23:35

Instrument :

MSVOA_U

ClientSampleId :

BF0D4

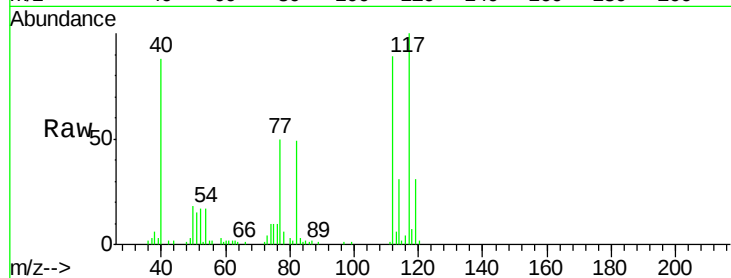
Tot Ion:112 Resp: 36580

Ion Ratio Lower Upper

112 100

114 34.9 22.5 41.7

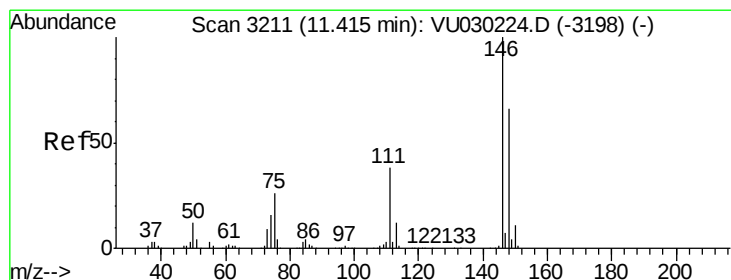
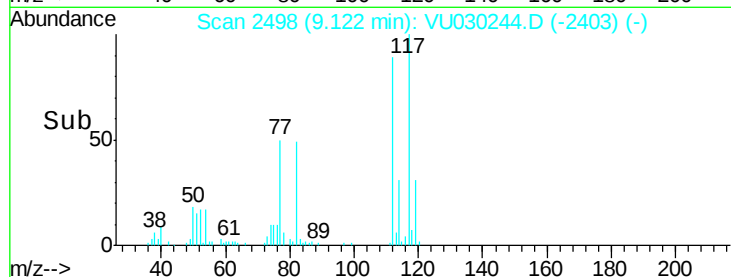
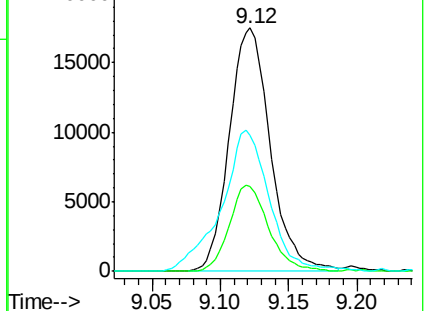
77 56.0 43.4 65.0



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): V



#62

1,3-Dichlorobenzene

Concen: 1.411 ug/L

RT: 11.42 min Scan# 3213

Delta R.T. 0.01 min

Lab File: VU030244.D

Acq: 20 Mar 2019 23:35

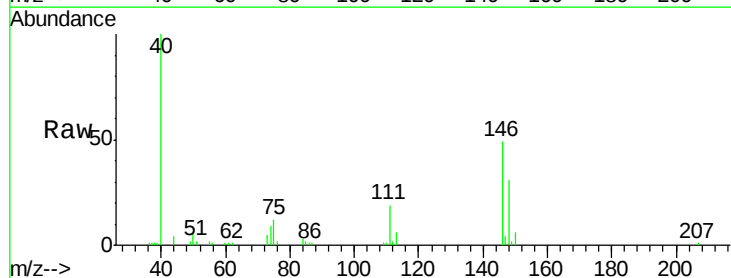
Tgt Ion:146 Resp: 13401

Ion Ratio Lower Upper

146 100

111 38.5 27.2 50.4

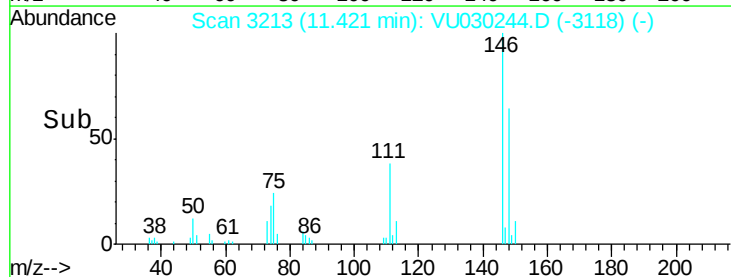
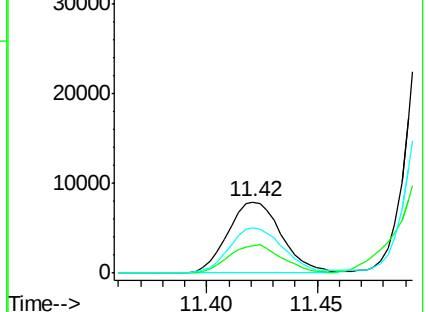
148 63.9 44.4 82.5

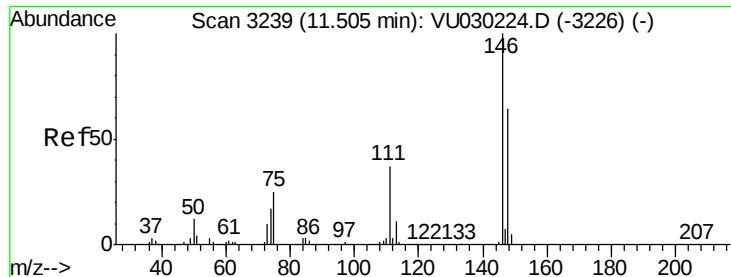


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 9.712 ug/L

RT: 11.51 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU030244.D

Acq: 20 Mar 2019 23:35

Instrument :

MSVOA_U

ClientSampleId :

BF0D4

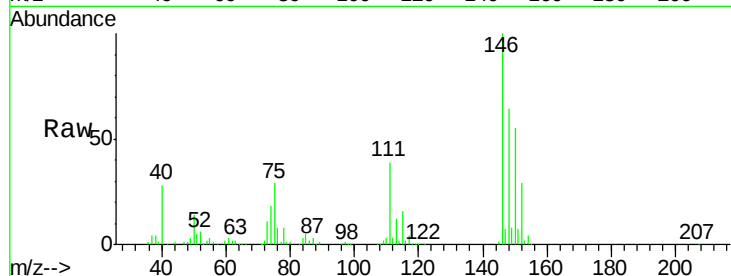
Tot Ion:146 Resp: 95694

Ion Ratio Lower Upper

146 100

111 38.6 25.3 46.9

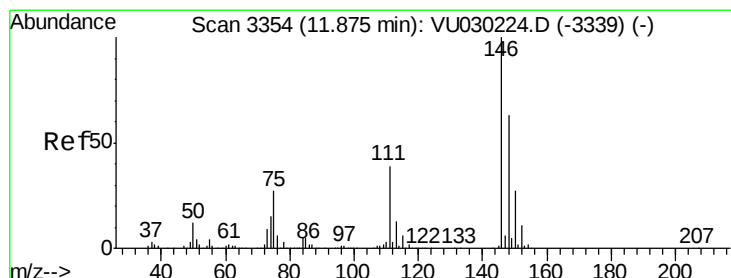
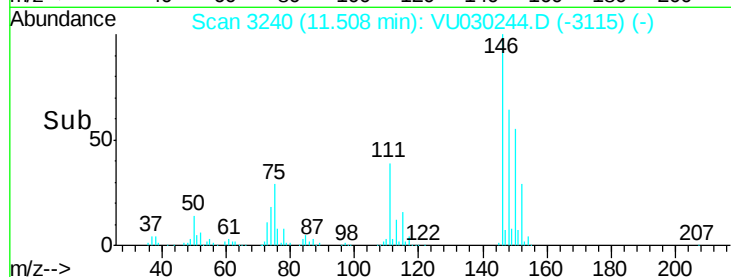
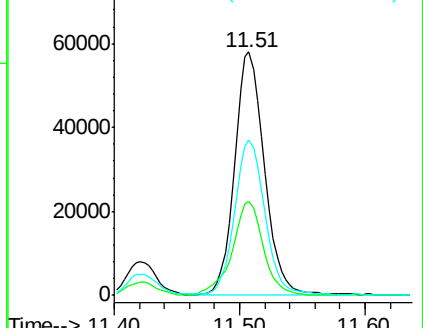
148 63.7 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 17.366 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU030244.D

Acq: 20 Mar 2019 23:35

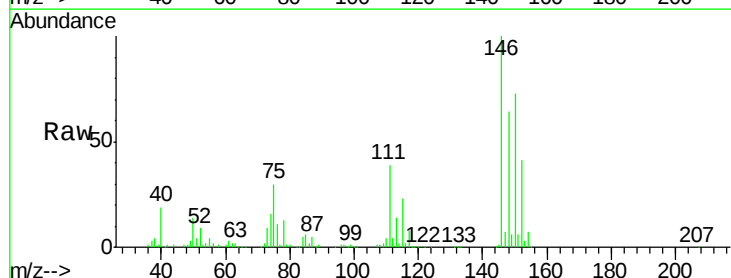
Tgt Ion:146 Resp: 168527

Ion Ratio Lower Upper

146 100

111 39.4 31.7 47.5

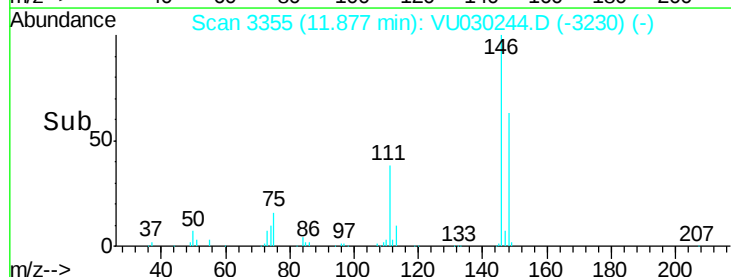
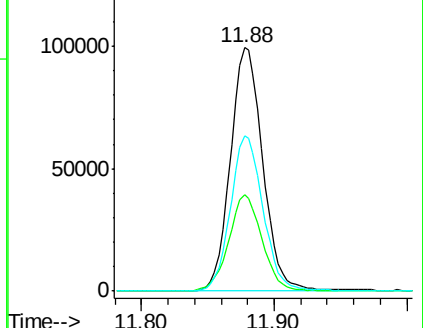
148 63.6 52.0 78.0

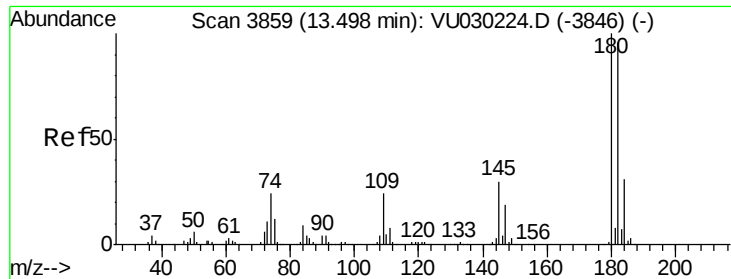


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

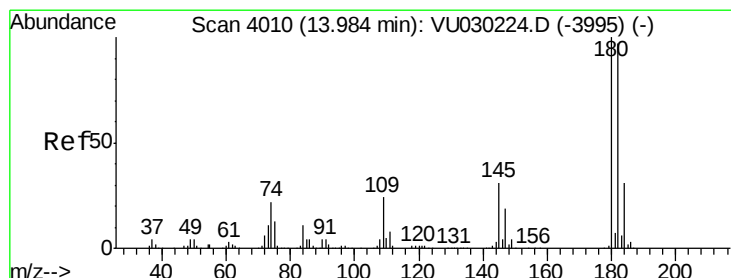
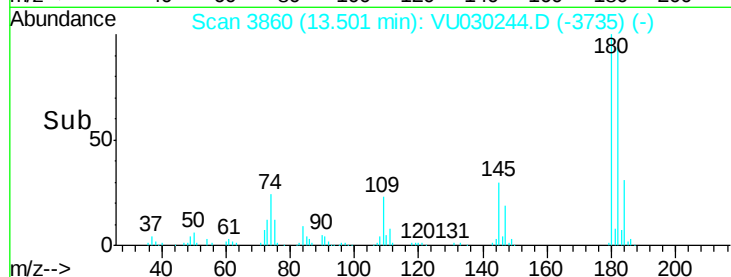
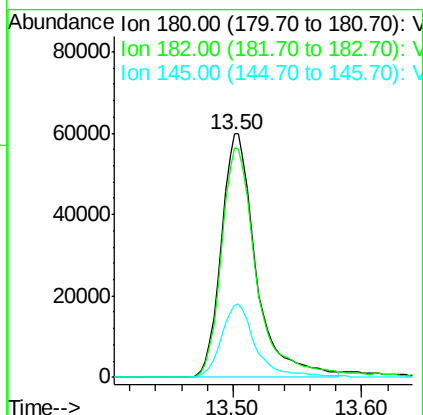
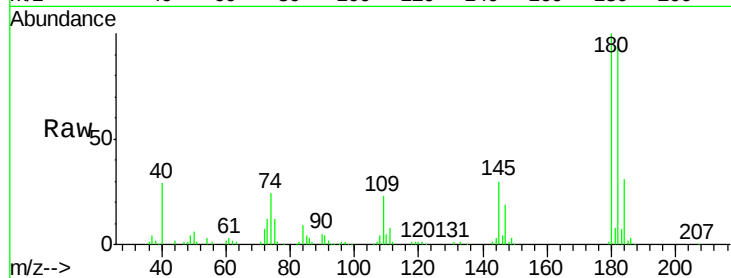




#68
 1,2,4-trichlorobenzene
 Concen: 16.980 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030244.D
 Acq: 20 Mar 2019 23:35

Instrument :
 MSVOA_U
 ClientSampleId :
 BF0D4

Tot Ion:180 Resp: 111468
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.4 114.6
 145 28.7 22.7 34.1



#70
 1,2,3-Trichlorobenzene
 Concen: 2.505 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU030244.D
 Acq: 20 Mar 2019 23:35

Tgt Ion:180 Resp: 17160
 Ion Ratio Lower Upper
 180 100
 182 105.1 75.9 113.9
 145 33.1 24.1 36.1

