

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU103119\
 Data File : VU035577.D
 Acq On : 30 Oct 2019 21:43
 Operator : JC/SP
 Sample : VIBLK41
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK41

Quant Time: Oct 31 01:03:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 31 00:14:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	688208	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	658083	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	201466	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	226715	40.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.58%
7) Chloroethane-d5	1.93	69	198373	44.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.38%
11) 1,1-Dichloroethene-d2	2.59	63	289871	33.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.06%
21) 2-Butanone-d5	4.69	46	322081	99.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.20%
24) Chloroform-d	5.11	84	406892	47.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.75	65	261184	49.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.34%
32) Benzene-d6	5.77	84	856945	49.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.92%
36) 1,2-Dichloropropane-d6	6.74	67	282830	50.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.68%
41) Toluene-d8	7.93	98	776476	47.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.98%
43) trans-1,3-Dichloropropene-	8.22	79	121758	47.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.04%
47) 2-Hexanone-d5	8.68	63	203212	95.31	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.31%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	366344	46.31	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.62%
64) 1,2-Dichlorobenzene-d4	12.22	152	212233	52.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.46%

Target Compounds

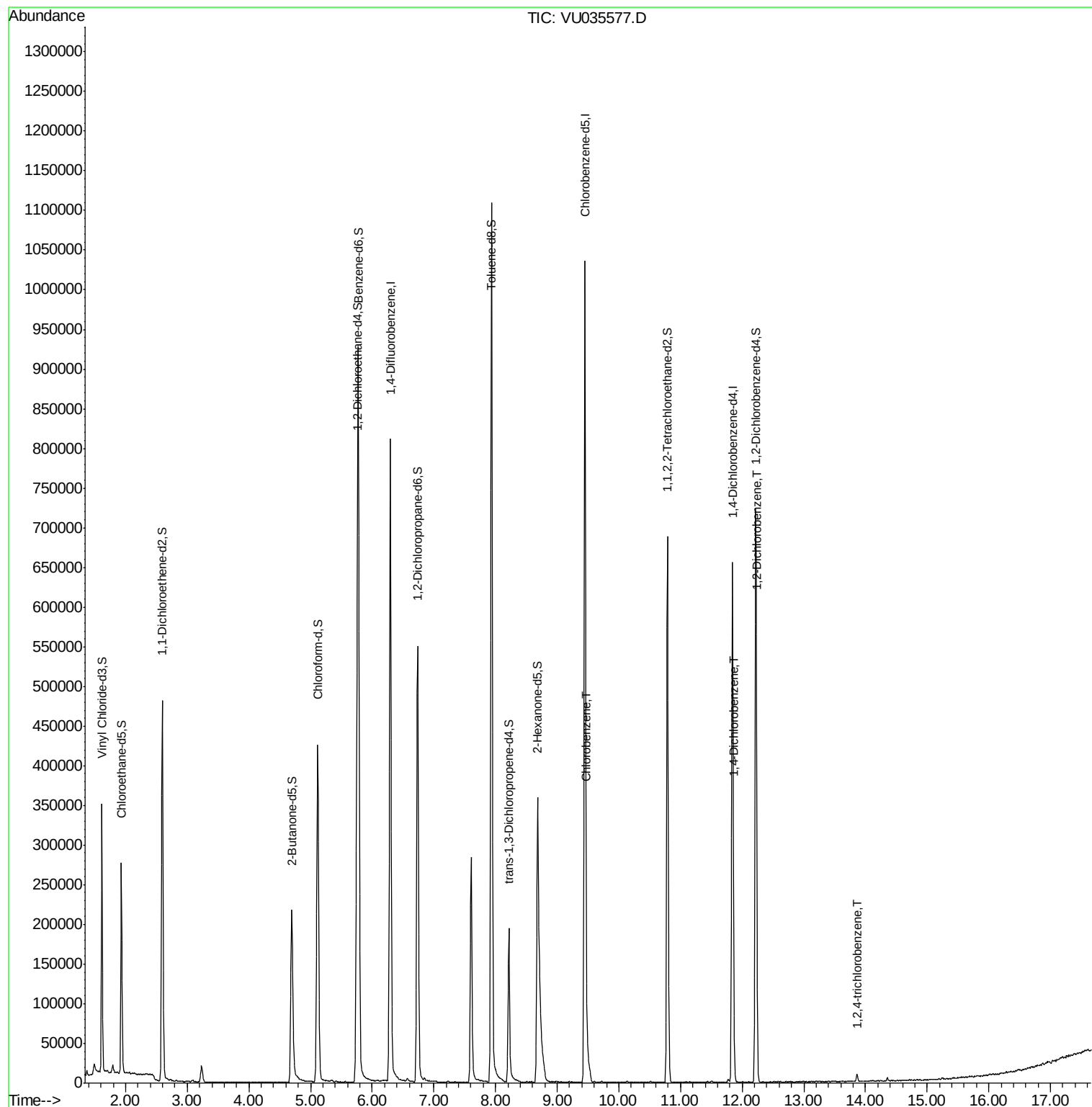
					Ovalue
51) Chlorobenzene	9.48	112	12187	0.942 ug/L	95
63) 1,4-Dichlorobenzene	11.87	146	14464	2.240 ug/L	96
65) 1,2-Dichlorobenzene	12.24	146	19744	3.051 ug/L	95
68) 1,2,4-trichlorobenzene	13.86	180	3483	1.416 ug/L	91

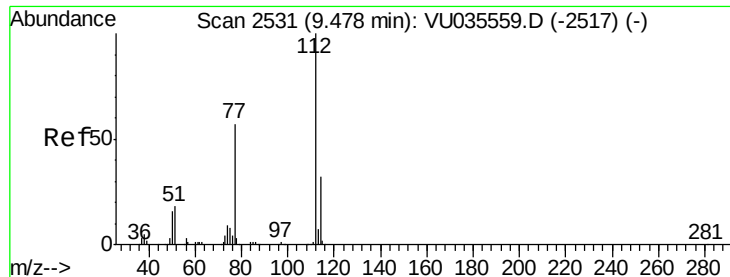
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#51

Chlorobenzene

Concen: 0.942 ug/L

RT: 9.48 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU035577.D

Acq: 30 Oct 2019 21:43

Instrument :

MSVOA_U

ClientSampled :

VIBLK41

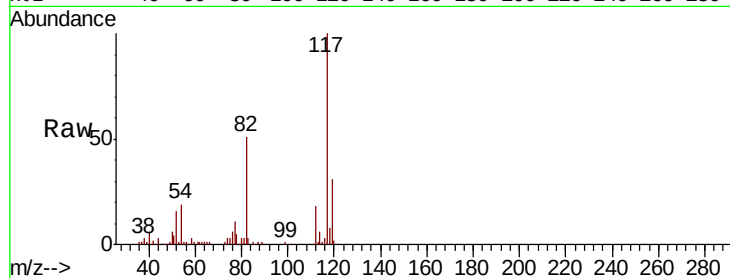
Tot Ion:112 Resp: 12187

Ion Ratio Lower Upper

112 100

114 35.7 22.7 42.3

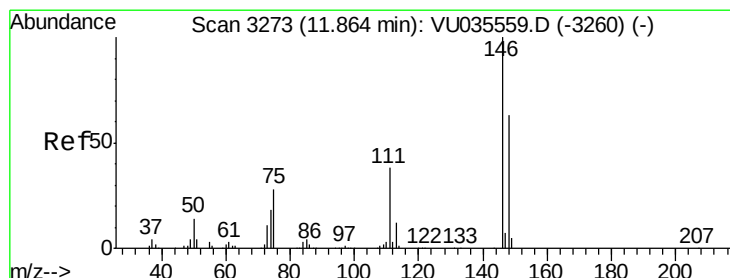
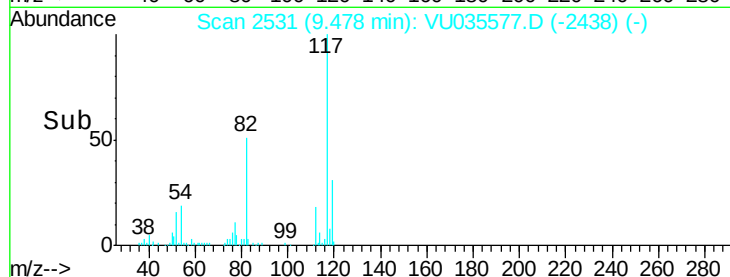
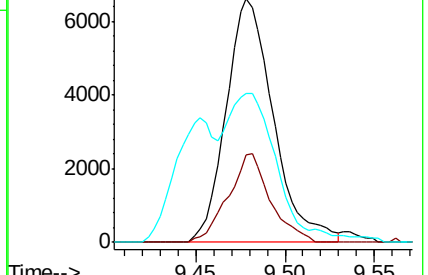
77 61.3 45.9 68.9



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



#63

1,4-Dichlorobenzene

Concen: 2.240 ug/L

RT: 11.87 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VU035577.D

Acq: 30 Oct 2019 21:43

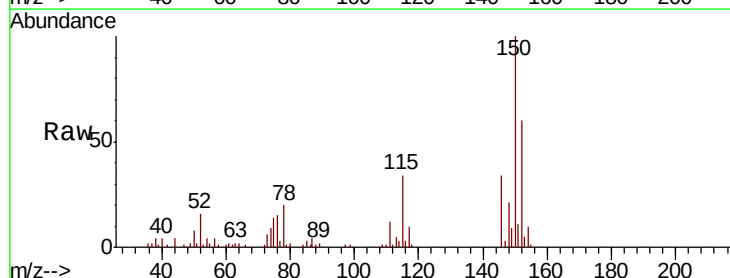
Tgt Ion:146 Resp: 14464

Ion Ratio Lower Upper

146 100

111 34.5 26.5 49.1

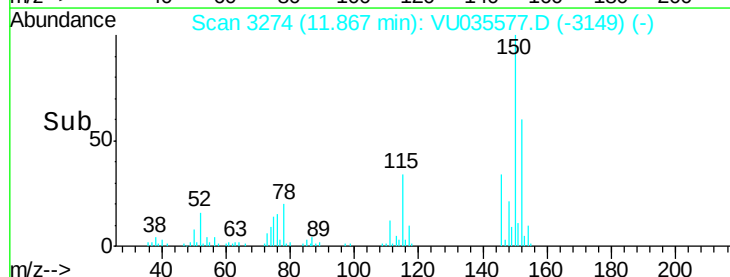
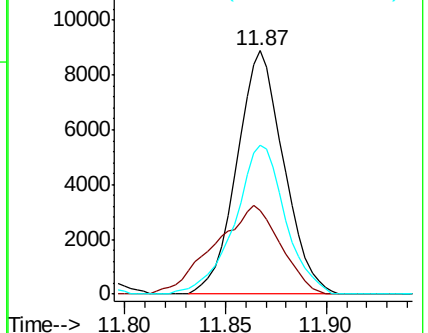
148 61.2 44.4 82.5

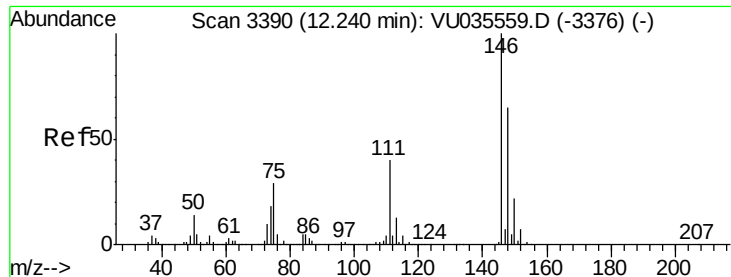


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

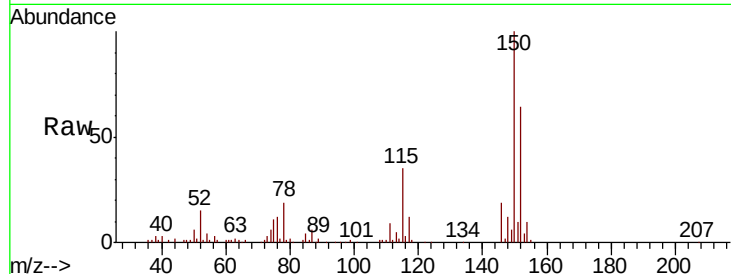




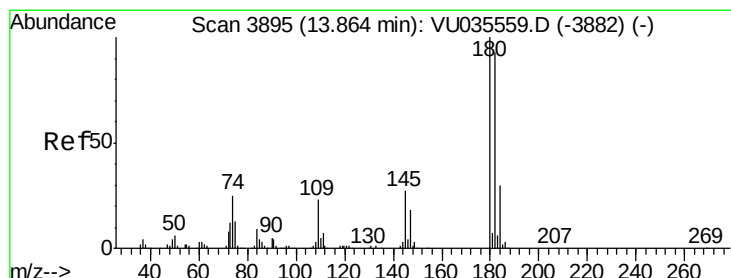
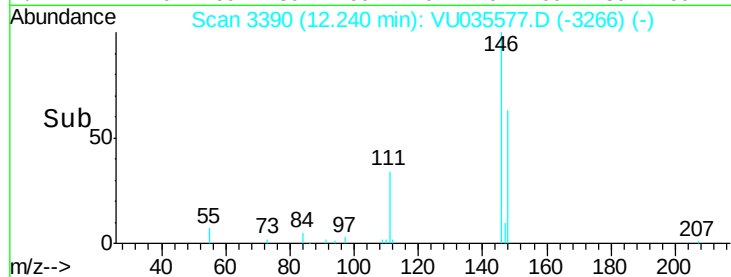
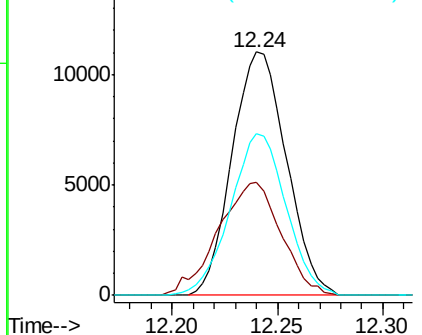
#65
 1,2-Dichlorobenzene
 Concen: 3.051 ug/L
 RT: 12.24 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VU035577.D
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Tot Ion:146 Resp: 19744
 Ion Ratio Lower Upper
 146 100
 111 46.3 32.4 48.6
 148 66.6 51.8 77.6

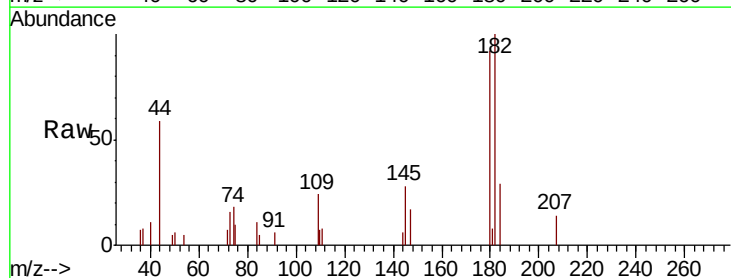


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 1.416 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU035577.D
 Acq: 30 Oct 2019 21:43

Tgt Ion:180 Resp: 3483
 Ion Ratio Lower Upper
 180 100
 182 104.8 76.6 115.0
 145 31.8 21.9 32.9



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

