

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032519\
 Data File : VU030425.D
 Acq On : 26 Mar 2019 00:13
 Operator : JC/SP
 Sample : K2070-11DL 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09D6DL

Quant Time: Mar 26 04:39:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 26 01:25:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	459081	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	433623	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	180562	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	189264	51.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.46%
7) Chloroethane-d5	1.67	69	149012	50.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.76%
11) 1,1-Dichloroethene-d2	2.27	63	261812	37.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.72%
21) 2-Butanone-d5	4.17	46	324546	93.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.45%
24) Chloroform-d	4.64	84	302489	47.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.04%
26) 1,2-Dichloroethane-d4	5.31	65	201547	48.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.78%
32) Benzene-d6	5.34	84	626337	50.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.74%
36) 1,2-Dichloropropane-d6	6.33	67	217094	51.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.06%
41) Toluene-d8	7.56	98	548828	49.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.28%
43) trans-1,3-Dichloropropene-	7.85	79	89427	44.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.40%
47) 2-Hexanone-d5	8.31	63	196607	85.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.28%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	285020	46.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.64%
64) 1,2-Dichlorobenzene-d4	11.86	152	183937	50.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.68%

Target Compounds

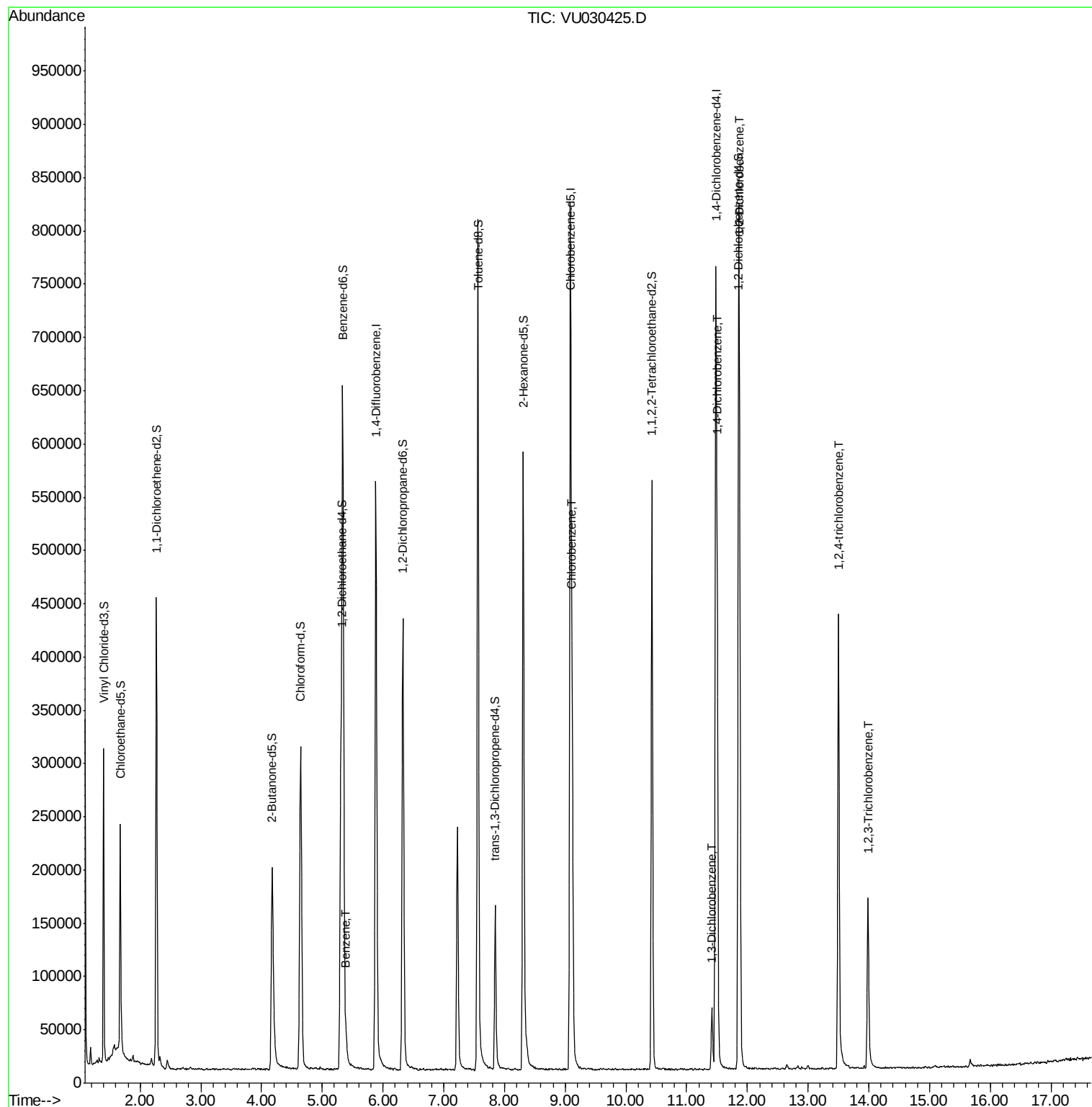
					Ovalue
33) Benzene	5.39	78	27877	1.889	ug/L 100
51) Chlorobenzene	9.12	112	184782	19.902	ug/L 99
62) 1,3-Dichlorobenzene	11.42	146	23111	3.914	ug/L 99
63) 1,4-Dichlorobenzene	11.50	146	161488	26.565	ug/L 98
65) 1,2-Dichlorobenzene	11.87	146	142744	23.907	ug/L 97
68) 1,2,4-trichlorobenzene	13.50	180	141534	36.849	ug/L 99
70) 1,2,3-Trichlorobenzene	13.99	180	58294	14.373	ug/L 94

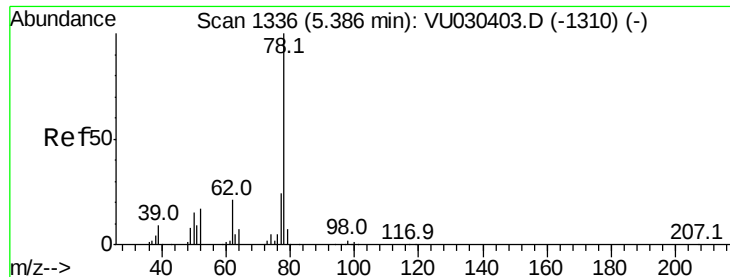
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 26 01:25:56 2019
Response via : Initial Calibration





#33

Benzene

Concen: 1.889 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU030425.D

Acq: 26 Mar 2019 00:13

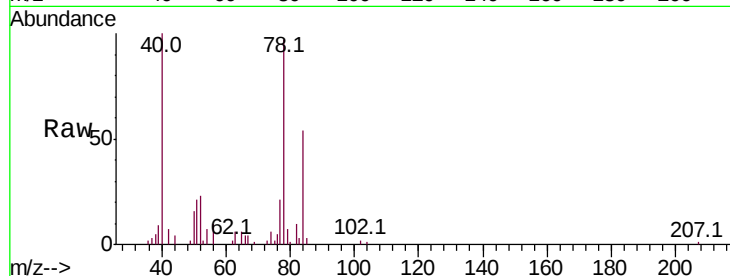
Instrument :

MSVOA_U

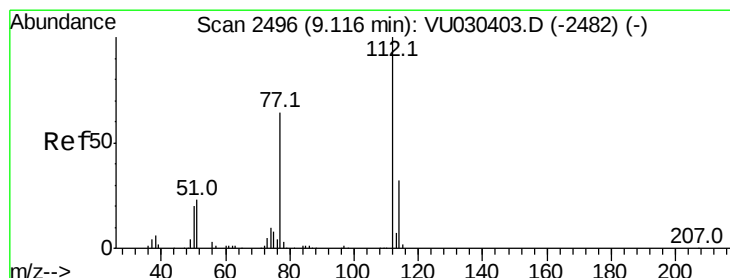
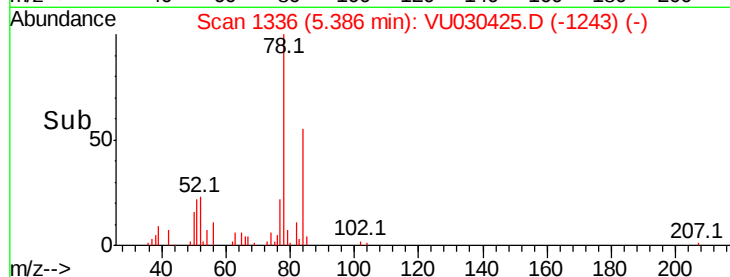
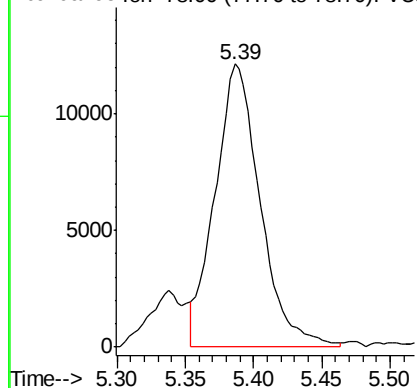
ClientSampleId :

C09D6DL

Tgt Ion: 78 Resp: 27877



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 19.902 ug/L

RT: 9.12 min Scan# 2496

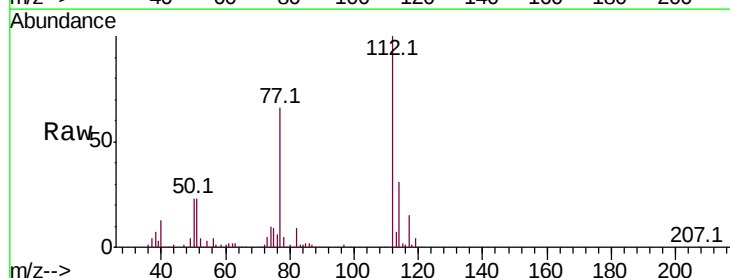
Delta R.T. 0.00 min

Lab File: VU030425.D

Acq: 26 Mar 2019 00:13

Tgt Ion: 112 Resp: 184782

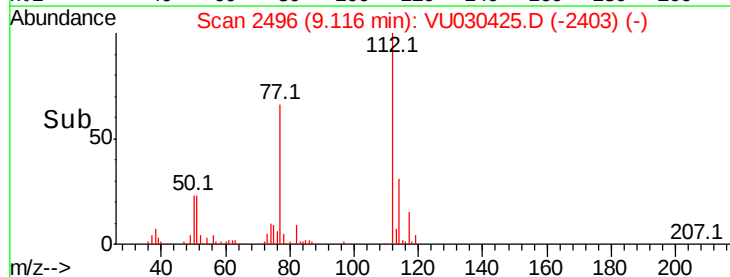
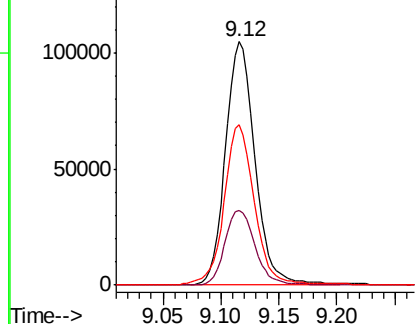
Ion	Ratio	Lower	Upper
112	100		
114	30.7	21.5	39.9
77	65.8	51.4	77.0

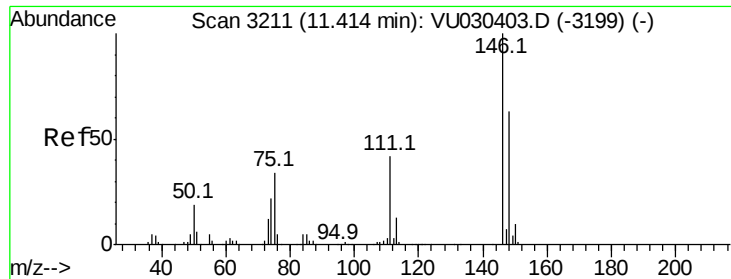


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 3.914 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030425.D

Acq: 26 Mar 2019 00:13

Instrument :

MSVOA_U

ClientSampleId :

C09D6DL

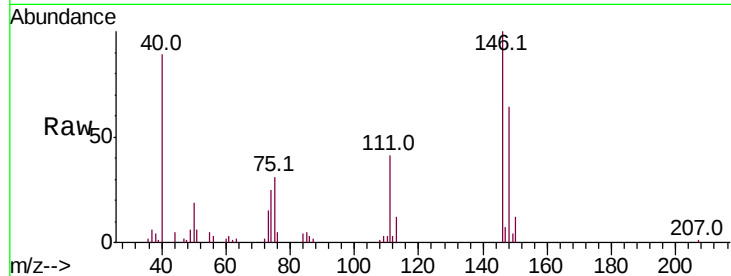
Tot Ion:146 Resp: 23111

Ion Ratio Lower Upper

146 100

111 40.5 29.2 54.2

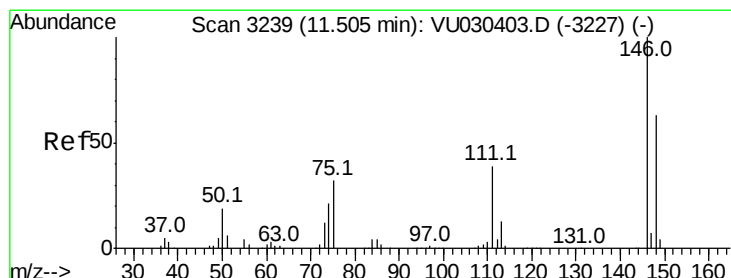
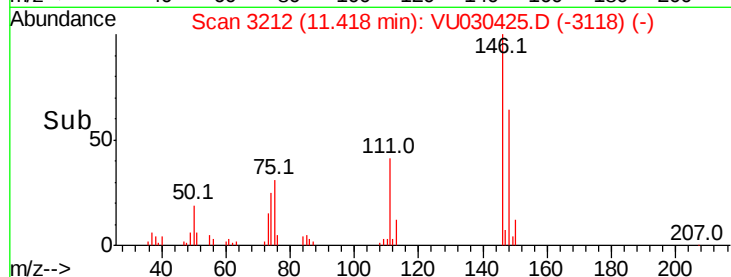
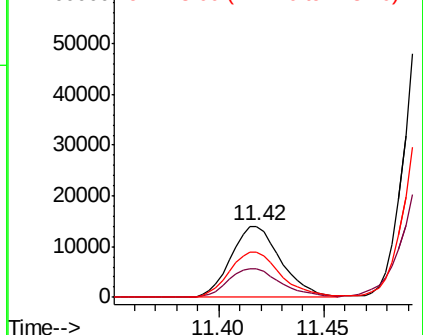
148 63.6 44.4 82.4



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: 26.565 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU030425.D

Acq: 26 Mar 2019 00:13

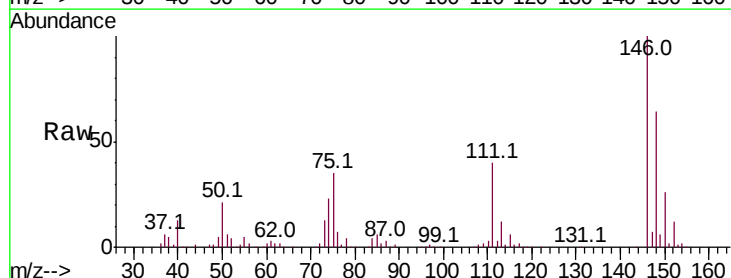
Tgt Ion:146 Resp: 161488

Ion Ratio Lower Upper

146 100

111 39.5 28.7 53.3

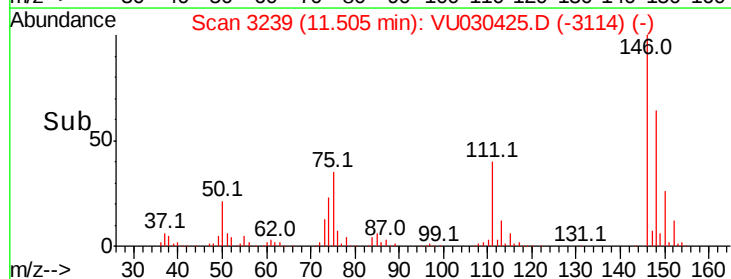
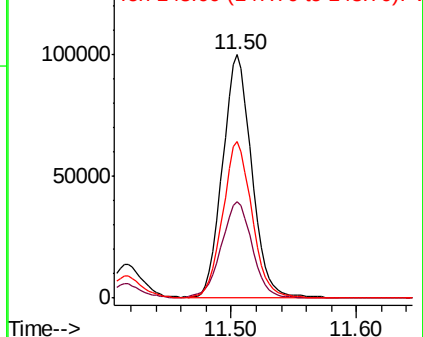
148 64.1 44.3 82.3

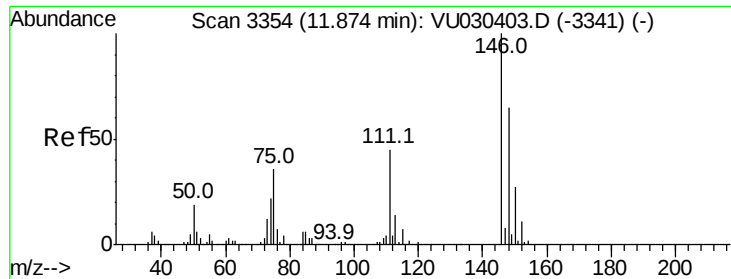


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 23.907 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU030425.D

Acq: 26 Mar 2019 00:13

Instrument :

MSVOA_U

ClientSampleId :

C09D6DL

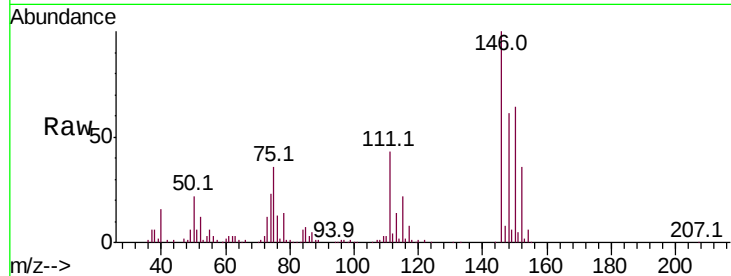
Tot Ion:146 Resp: 142744

Ion Ratio Lower Upper

146 100

111 43.1 34.9 52.3

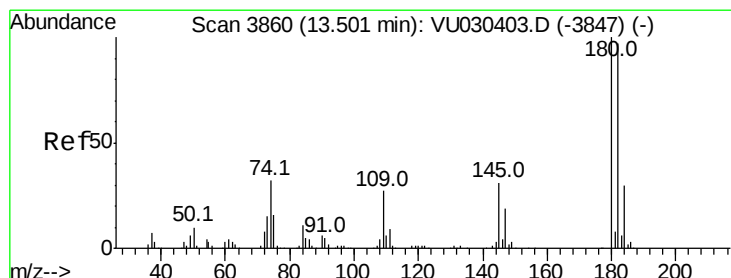
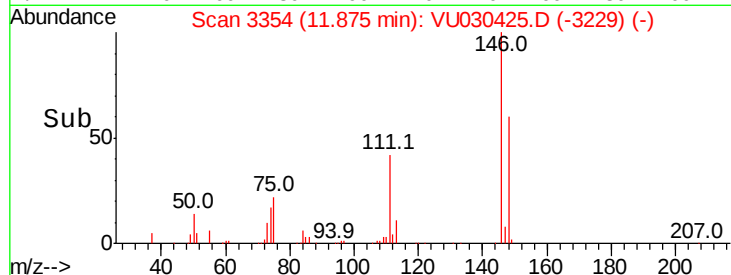
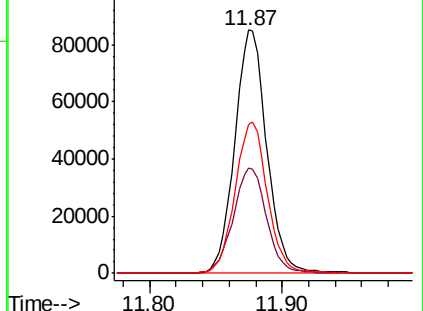
148 61.0 51.2 76.8



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: 36.849 ug/L

RT: 13.50 min Scan# 3860

Delta R.T. 0.00 min

Lab File: VU030425.D

Acq: 26 Mar 2019 00:13

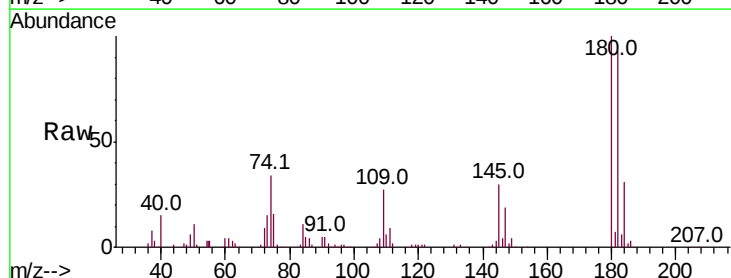
Tgt Ion:180 Resp: 141534

Ion Ratio Lower Upper

180 100

182 94.8 76.1 114.1

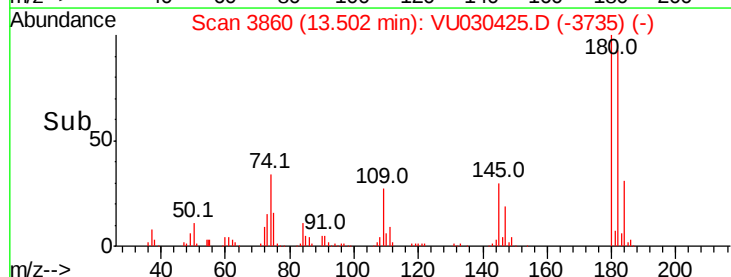
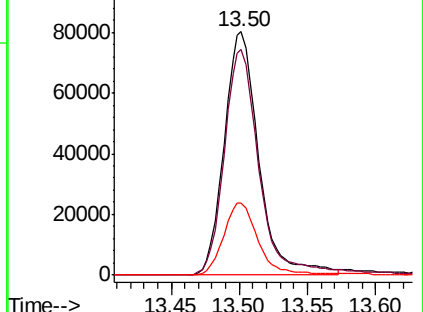
145 29.3 24.5 36.7

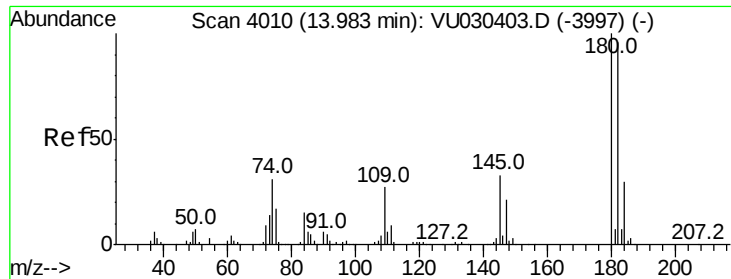


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

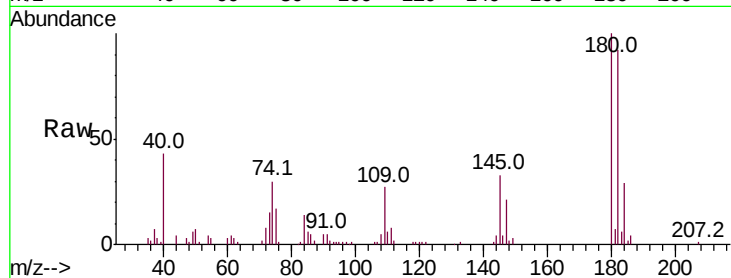




#70
 1,2,3-Trichlorobenzene
 Concen: 14.373 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU030425.D
 Acq: 26 Mar 2019 00:13

Instrument :
 MSVOA_U
 ClientSampleId :
 C09D6DL

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	89.0	77.4	116.2	
145	31.4	25.9	38.9	



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

