

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032119\
 Data File : VU030275.D
 Acq On : 21 Mar 2019 18:58
 Operator : JC/SP
 Sample : K1967-18DL 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0967DL

Quant Time: Mar 22 05:44:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 22 05:14:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	532430	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	520326	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	257713	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	177558	49.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.64%
7) Chloroethane-d5	1.68	69	144376	50.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.30%
11) 1,1-Dichloroethene-d2	2.27	63	234126	35.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.30%
21) 2-Butanone-d5	4.18	46	243491	91.16	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.16%
24) Chloroform-d	4.65	84	303505	45.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.88%
26) 1,2-Dichloroethane-d4	5.31	65	178005	47.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.46%
32) Benzene-d6	5.34	84	673086	49.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.18%
36) 1,2-Dichloropropane-d6	6.33	67	205806	48.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.02%
41) Toluene-d8	7.56	98	603798	46.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.66%
43) trans-1,3-Dichloropropene-	7.85	79	93388	45.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.40%
47) 2-Hexanone-d5	8.31	63	194208	88.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.27%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	292906	45.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.02%
64) 1,2-Dichlorobenzene-d4	11.86	152	248531	48.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.06%

Target Compounds

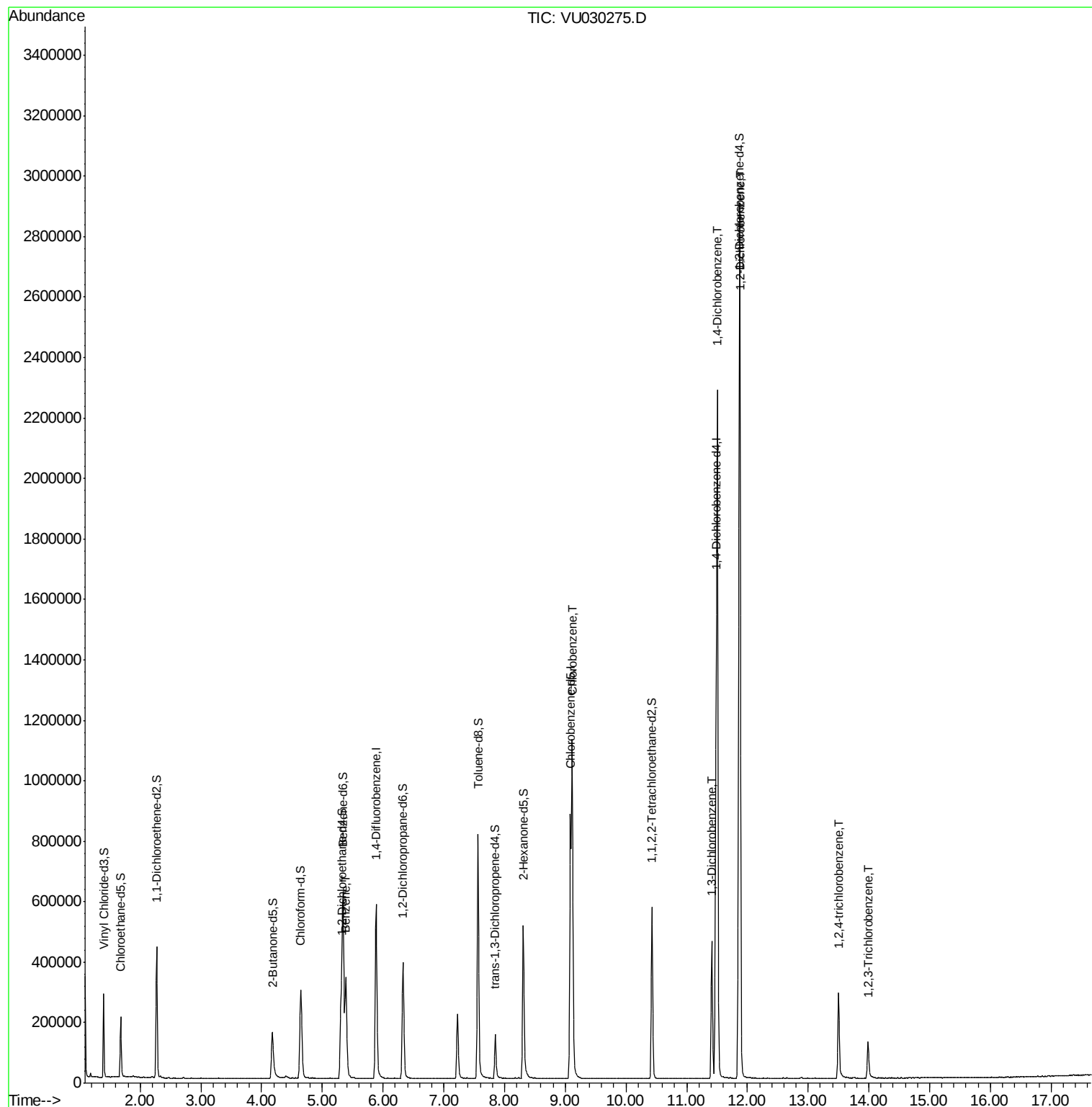
					Ovalue
33) Benzene	5.39	78	355703	23.694	ug/L 100
51) Chlorobenzene	9.12	112	649509	60.083	ug/L 100
62) 1,3-Dichlorobenzene	11.41	146	206036	25.058	ug/L 99
63) 1,4-Dichlorobenzene	11.50	146	966705	113.347	ug/L 99
65) 1,2-Dichlorobenzene	11.88	146	1198860	142.711	ug/L 99
68) 1,2,4-trichlorobenzene	13.50	180	105292	18.529	ug/L 99
70) 1,2,3-Trichlorobenzene	13.99	180	47980	8.092	ug/L 96

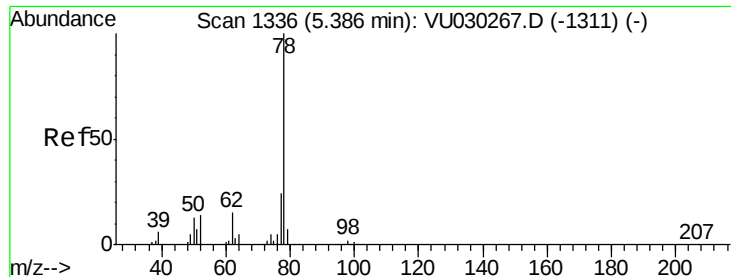
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 22 05:14:44 2019
Response via : Initial Calibration





#33

Benzene

Concen: 23.694 ug/L

RT: 5.39 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU030275.D

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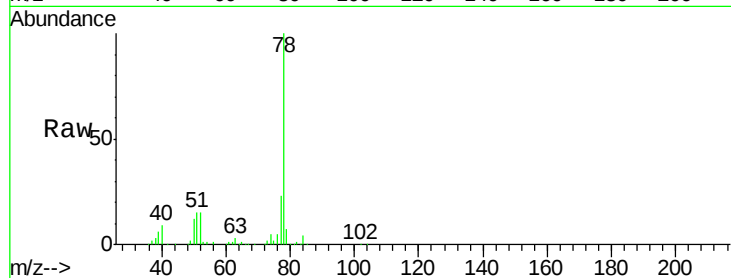
Instrument :

MSVOA_U

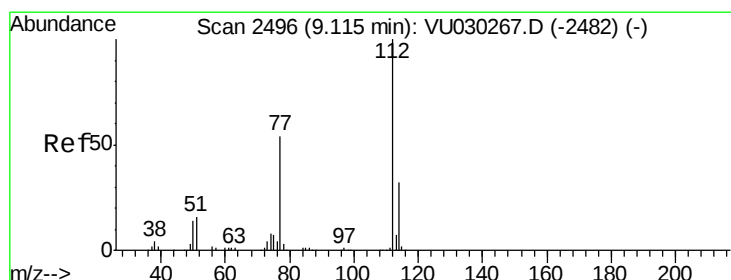
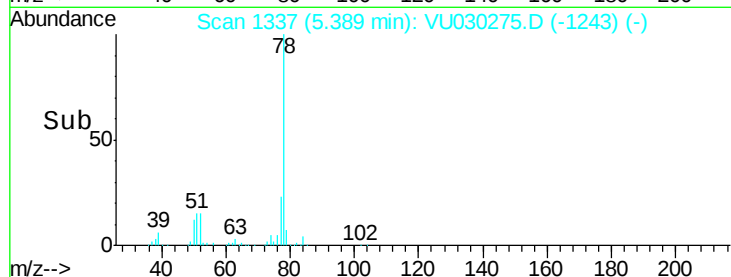
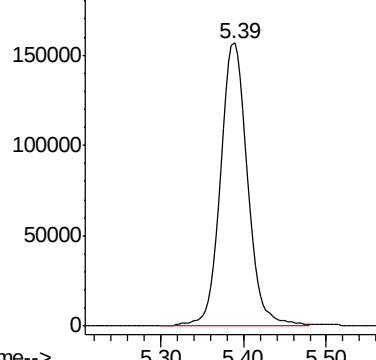
ClientSampleId :

C0967DL

Tgt Ion: 78 Resp: 355703



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 60.083 ug/L

RT: 9.12 min Scan# 2496

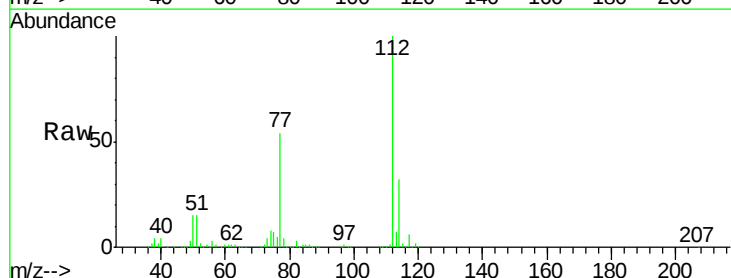
Delta R.T. -0.00 min

Lab File: VU030275.D

Acq: 21 Mar 2019 18:58

Tgt Ion: 112 Resp: 649509

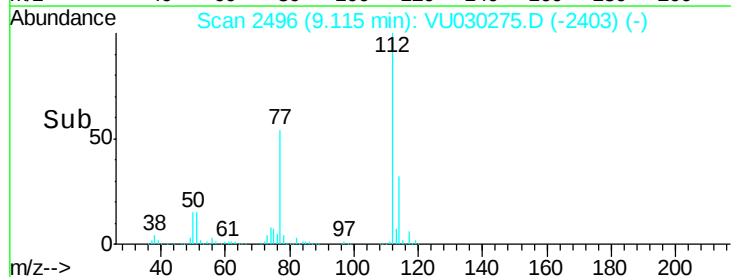
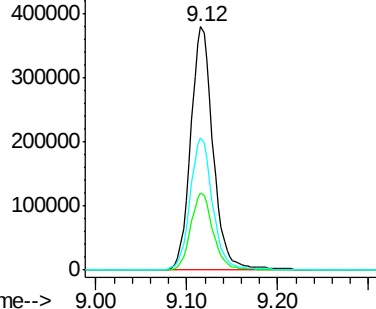
Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.5	41.7
77	54.3	43.4	65.0

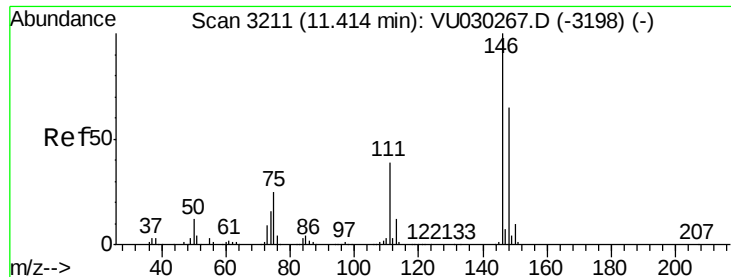


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 25.058 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU030275.D

Acq: 21 Mar 2019 18:58

Instrument :

MSVOA_U

ClientSampleId :

C0967DL

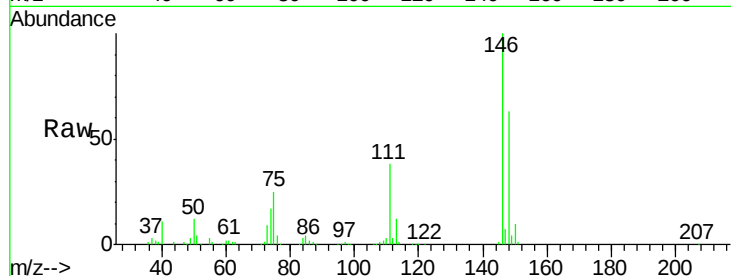
Tot Ion:146 Resp: 206036

Ion Ratio Lower Upper

146 100

111 38.3 27.2 50.4

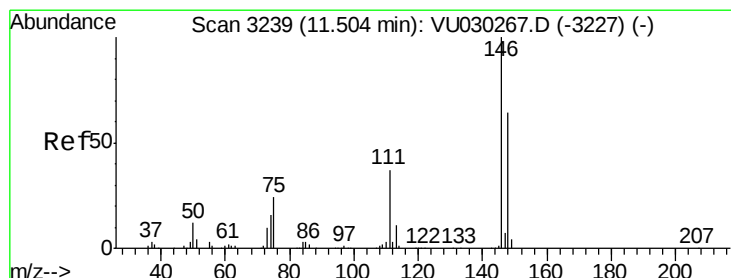
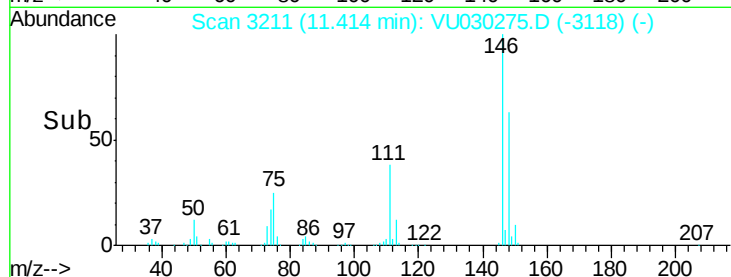
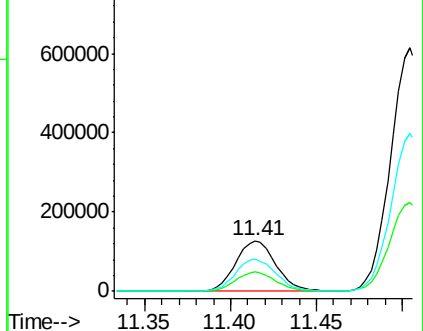
148 62.8 44.4 82.5



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: 113.347 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU030275.D

Acq: 21 Mar 2019 18:58

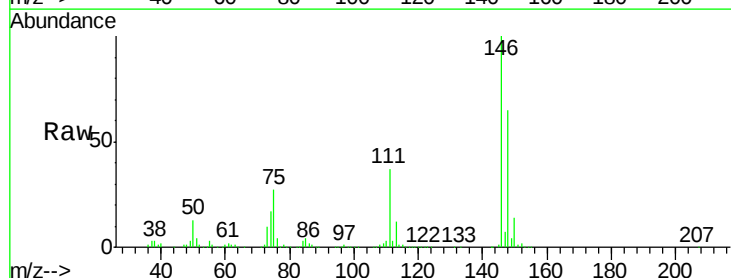
Tgt Ion:146 Resp: 966705

Ion Ratio Lower Upper

146 100

111 36.6 25.3 46.9

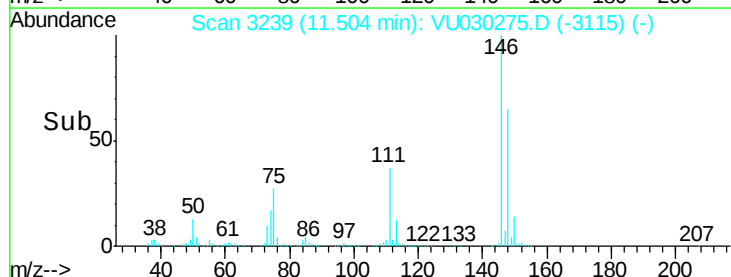
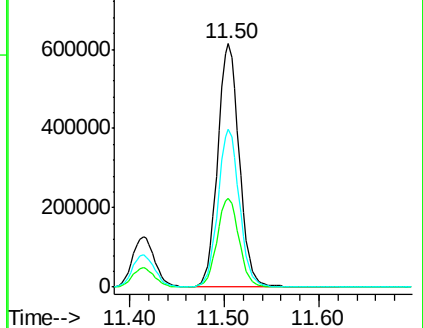
148 64.9 44.7 82.9

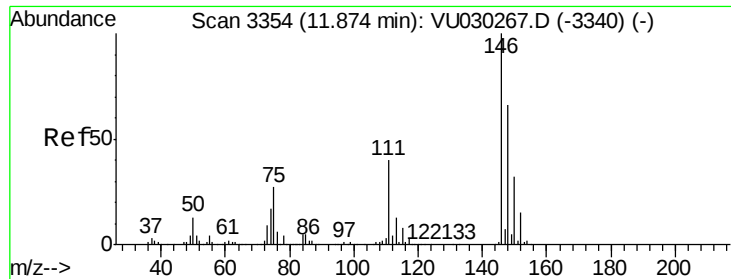


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 142.711 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU030275.D

Acq: 21 Mar 2019 18:58

Instrument :

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ClientSampleId :

C0967DL

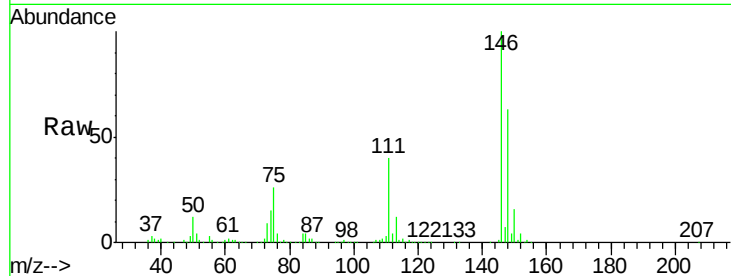
Tot Ion:146 Resp: 1198860

Ion Ratio Lower Upper

146 100

111 39.6 31.7 47.5

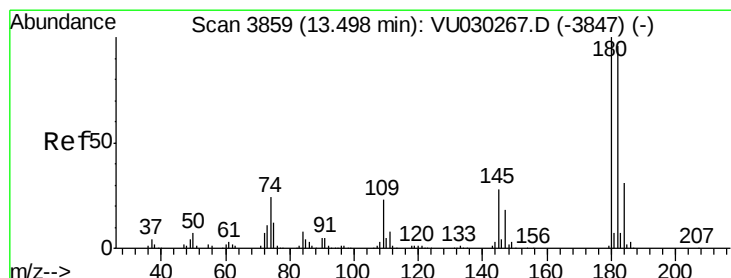
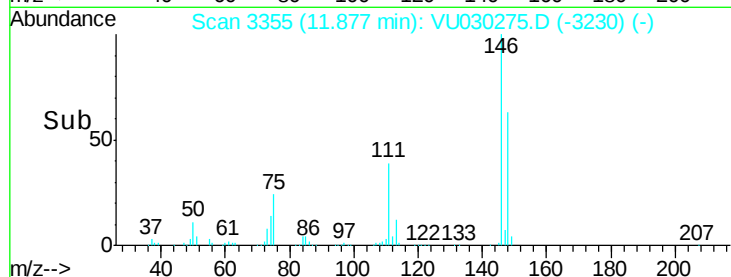
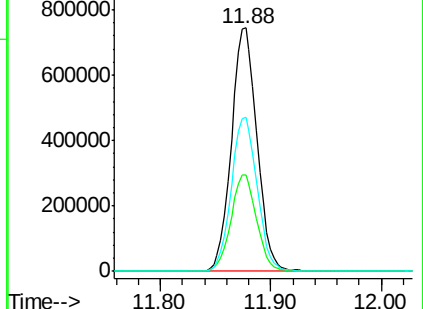
148 63.2 52.0 78.0



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: 18.529 ug/L

RT: 13.50 min Scan# 3860

Delta R.T. 0.00 min

Lab File: VU030275.D

Acq: 21 Mar 2019 18:58

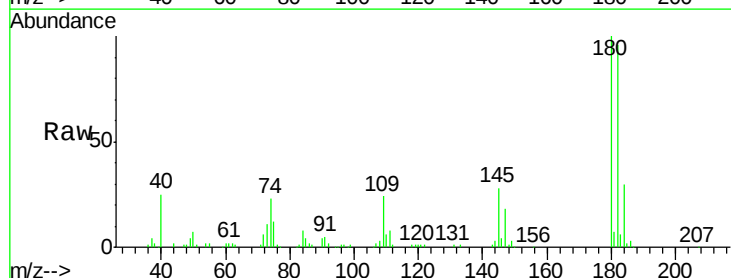
Tgt Ion:180 Resp: 105292

Ion Ratio Lower Upper

180 100

182 94.9 76.4 114.6

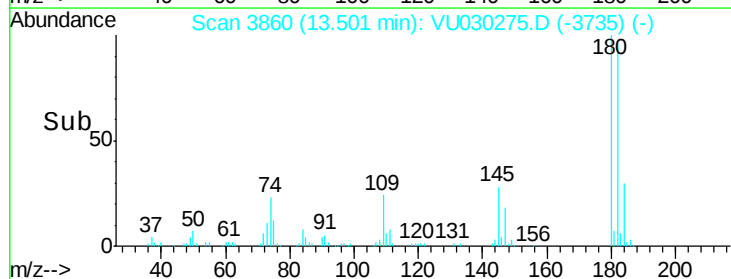
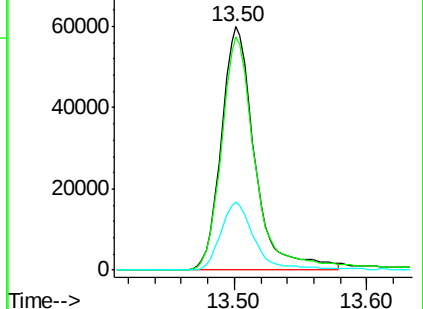
145 28.0 22.7 34.1

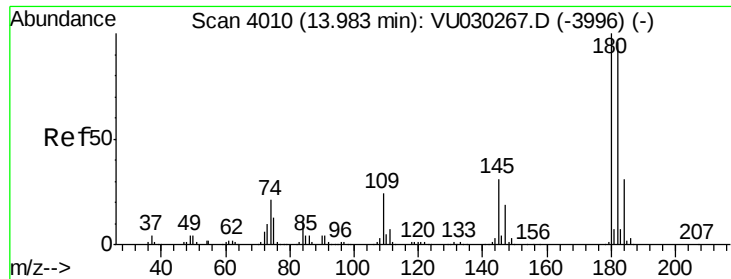


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 8.092 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU030275.D
 Acq: 21 Mar 2019 18:58

Instrument :
 MSVOA_U
 ClientSampleId :
 C0967DL

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	97.8	75.9	113.9	
145	32.8	24.1	36.1	

