

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080718\
 Data File : VU025951.D
 Acq On : 07 Aug 2018 20:28
 Operator : MD/SY
 Sample : J4363-04DL 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA8DL

Quant Time: Aug 08 05:29:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 07 12:44:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	324763	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	296279	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	137333	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	82526	45.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.72%
7) Chloroethane-d5	1.68	69	65976	48.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.76%
11) 1,1-Dichloroethene-d2	2.27	63	119758	34.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.72%
21) 2-Butanone-d5	4.18	46	131160	105.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.92%
24) Chloroform-d	4.65	84	171019	49.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.18%
26) 1,2-Dichloroethane-d4	5.31	65	115937	50.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.84%
32) Benzene-d6	5.35	84	335715	51.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.80%
36) 1,2-Dichloropropane-d6	6.33	67	108269	53.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.64%
41) Toluene-d8	7.57	98	309244	48.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.60%
43) trans-1,3-Dichloropropene-	7.85	79	49060	46.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.16%
47) 2-Hexanone-d5	8.31	63	88783	105.07	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.07%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	144886	51.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.02%
64) 1,2-Dichlorobenzene-d4	11.86	152	123008	54.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.44%

Target Compounds

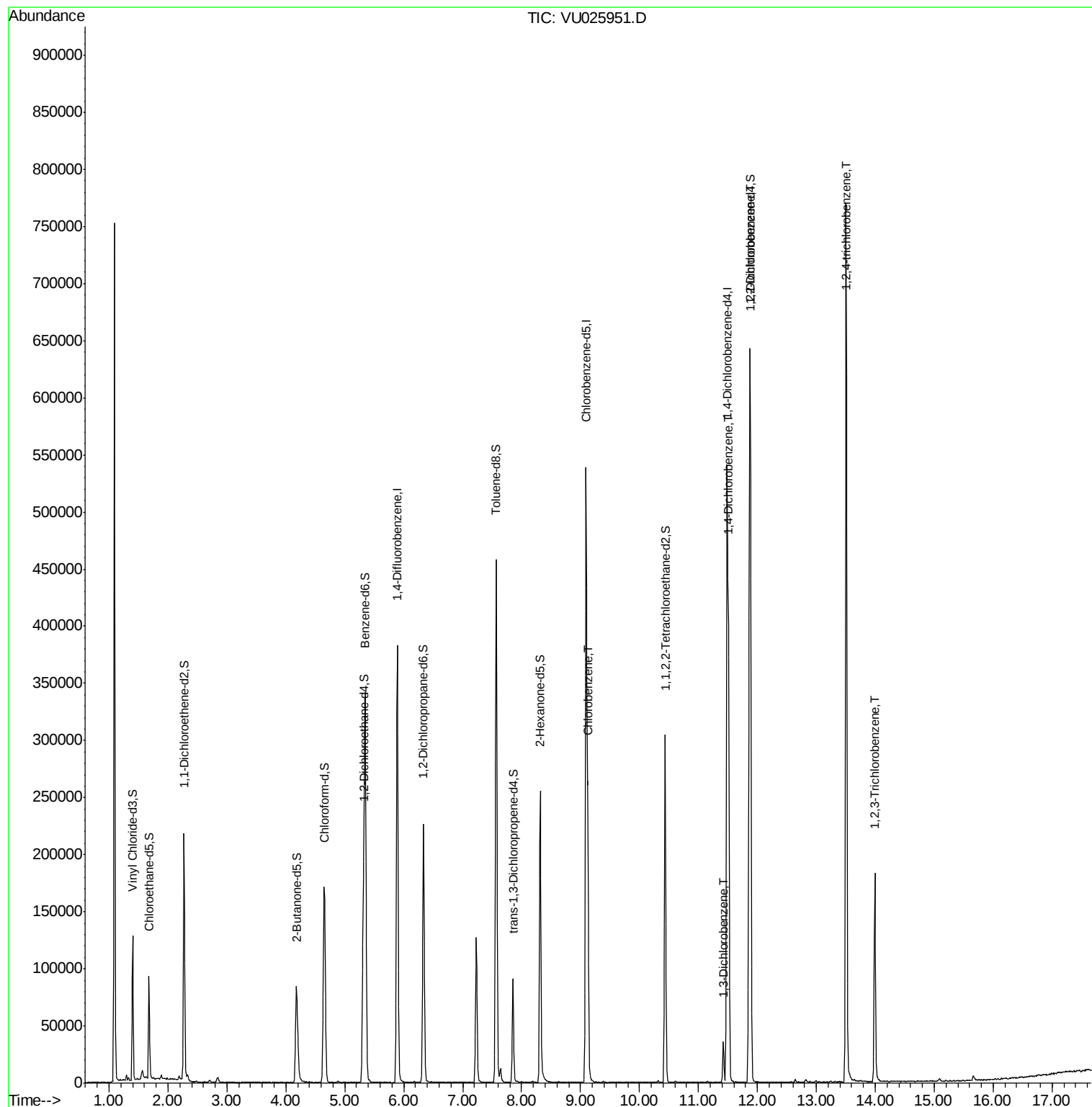
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
51) Chlorobenzene	9.12	112	129113	22.31	ug/L	97
62) 1,3-Dichlorobenzene	11.42	146	14949	3.64	ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	143753	34.34	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	205491	49.88	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	240810	91.65	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	61761	22.94	ug/L	99

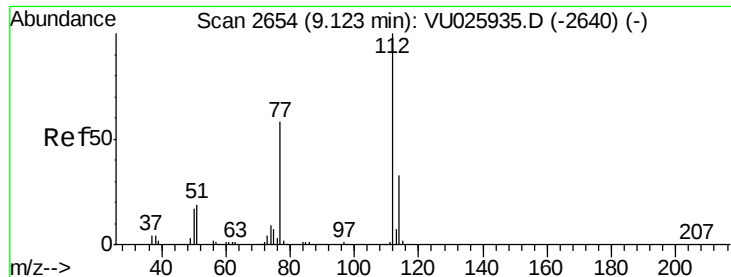
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Aug 07 12:44:32 2018
Response via : Initial Calibration





#51

Chlorobenzene

Concen: 22.31 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025951.D

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Instrument :

MSVOA_U

ClientSampleId :

A4ZA8DL

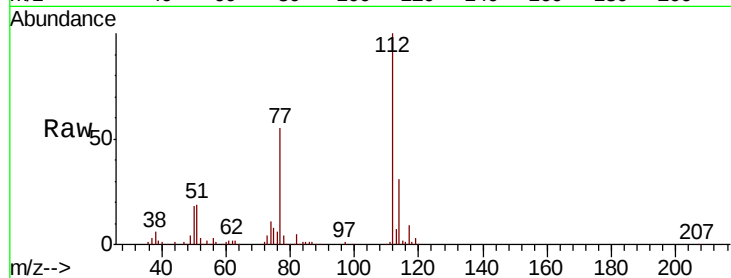
Tot Ion:112 Resp: 129113

Ion Ratio Lower Upper

112 100

114 31.4 22.5 41.9

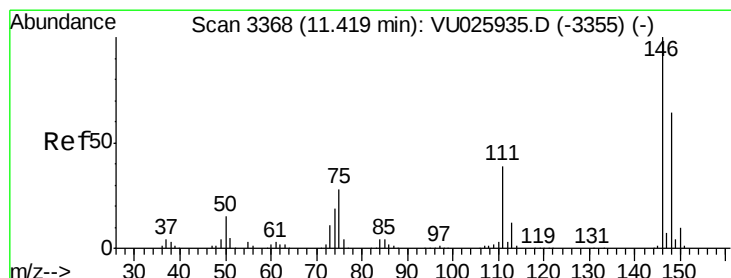
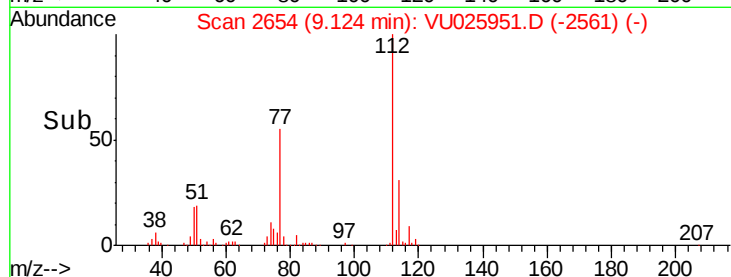
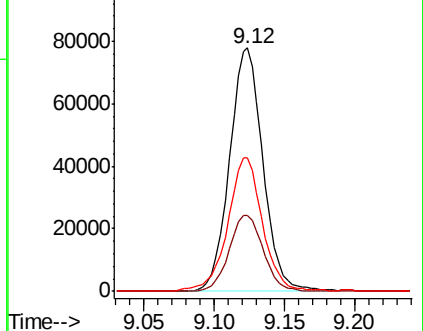
77 55.0 45.8 68.8



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: 3.64 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU025951.D

Acq: 07 Aug 2018 20:28

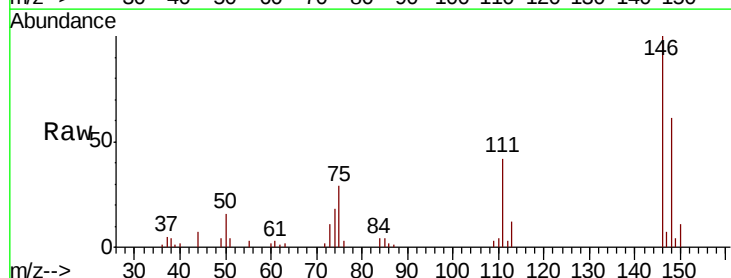
Tgt Ion:146 Resp: 14949

Ion Ratio Lower Upper

146 100

111 42.0 27.7 51.5

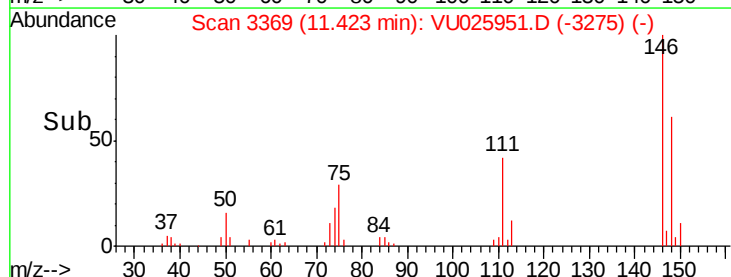
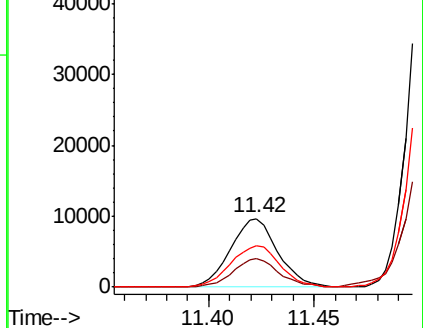
148 61.2 45.5 84.5

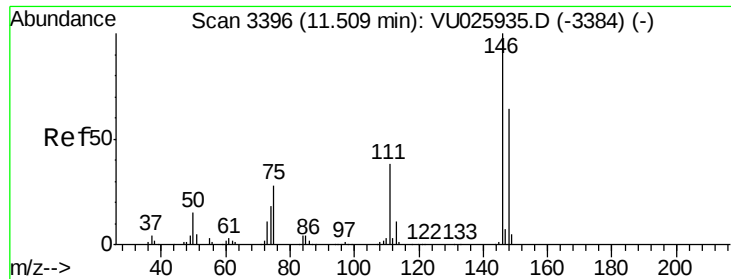


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 34.34 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025951.D

Acq: 07 Aug 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

A4ZA8DL

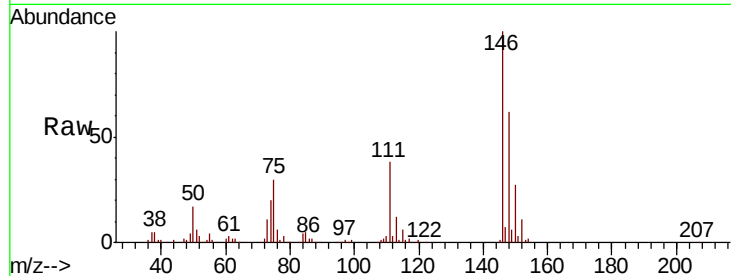
Tot Ion:146 Resp: 143753

Ion Ratio Lower Upper

146 100

111 37.8 26.9 49.9

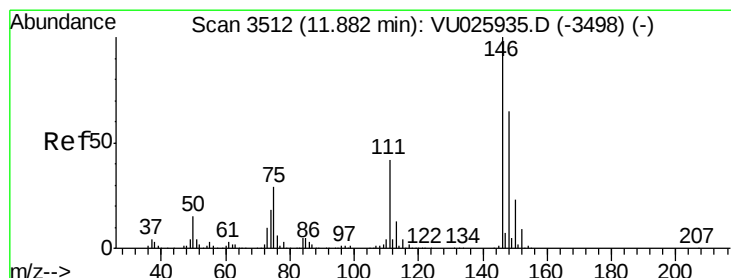
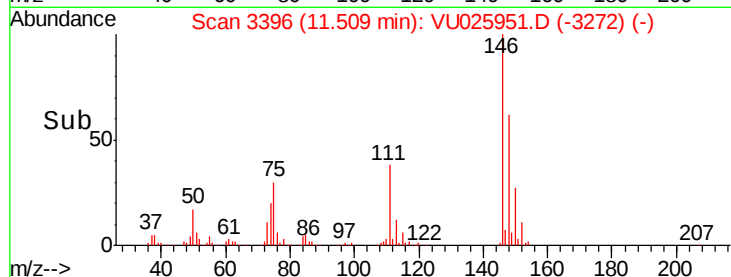
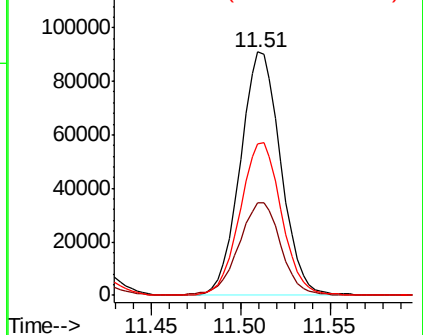
148 62.4 44.6 82.8



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



#65

1,2-Dichlorobenzene

Concen: 49.88 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025951.D

Acq: 07 Aug 2018 20:28

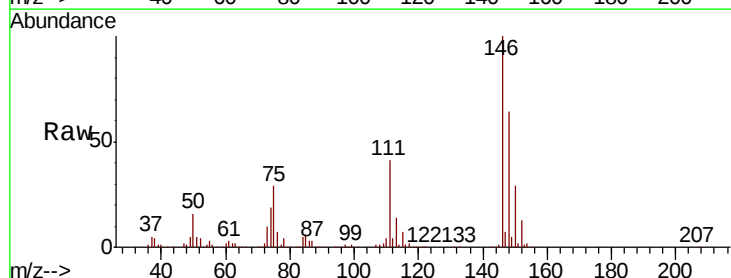
Tgt Ion:146 Resp: 205491

Ion Ratio Lower Upper

146 100

111 40.7 32.4 48.6

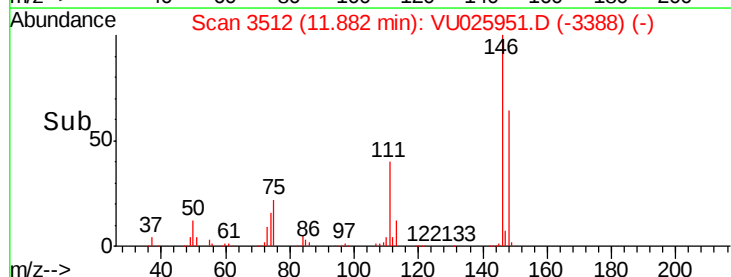
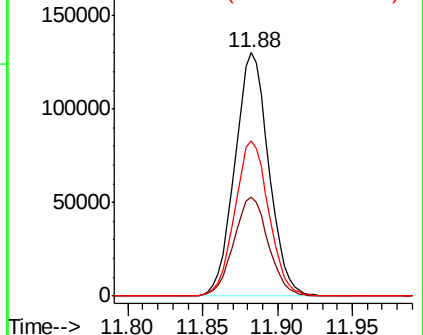
148 64.0 50.7 76.1

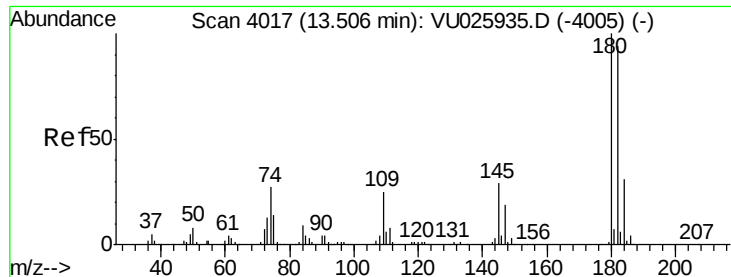


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

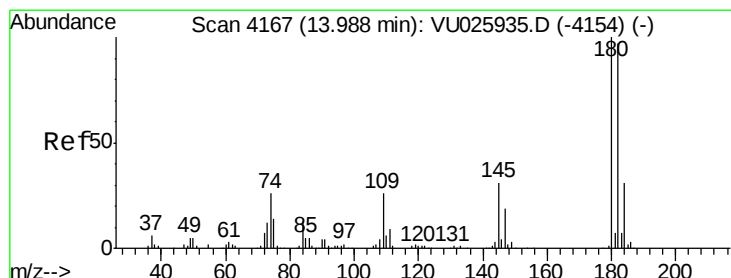
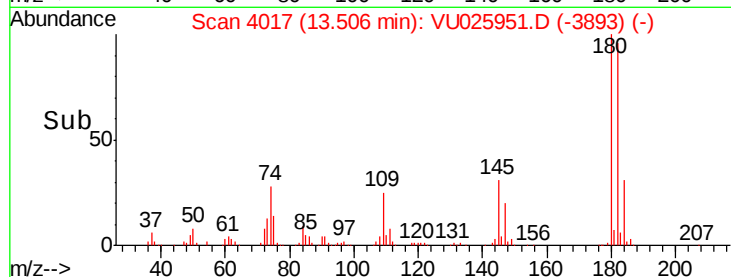
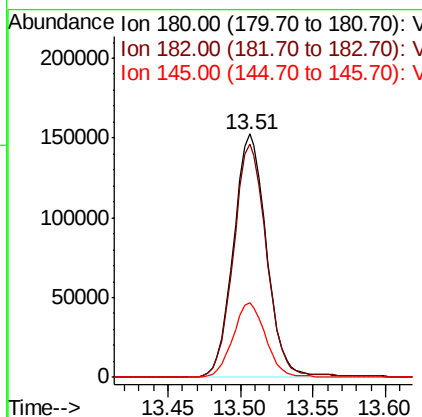
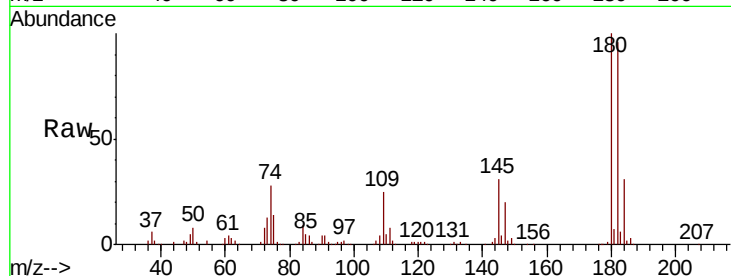




#68
 1,2,4-trichlorobenzene
 Concen: 91.65 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025951.D
 Acq: 07 Aug 2018 20:28

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA8DL

Tot Ion:180 Resp: 240810
 Ion Ratio Lower Upper
 180 100
 182 97.0 78.1 117.1
 145 30.4 23.4 35.2



#70
 1,2,3-Trichlorobenzene
 Concen: 22.94 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU025951.D
 Acq: 07 Aug 2018 20:28

Tgt Ion:180 Resp: 61761
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.6 114.8
 145 29.9 25.4 38.2

