

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080718\
 Data File : VU025946.D
 Acq On : 07 Aug 2018 17:45
 Operator : MD/SY
 Sample : J4363-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA9

Quant Time: Aug 08 05:14:21 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	364797	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	346148	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	170945	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	103249	51.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.14%
7) Chloroethane-d5	1.68	69	79117	52.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.38%
11) 1,1-Dichloroethene-d2	2.27	63	144754	36.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.94%
21) 2-Butanone-d5	4.18	46	152196	109.42	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.42%
24) Chloroform-d	4.65	84	197567	50.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.98%
26) 1,2-Dichloroethane-d4	5.32	65	132502	51.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.60%
32) Benzene-d6	5.35	84	392443	51.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.86%
36) 1,2-Dichloropropane-d6	6.34	67	124121	52.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.64%
41) Toluene-d8	7.57	98	369151	49.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.72%
43) trans-1,3-Dichloropropene-	7.85	79	62221	50.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.04%
47) 2-Hexanone-d5	8.31	63	103698	105.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.04%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	169779	51.66	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.32%
64) 1,2-Dichlorobenzene-d4	11.86	152	153090	54.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.42%

Target Compounds

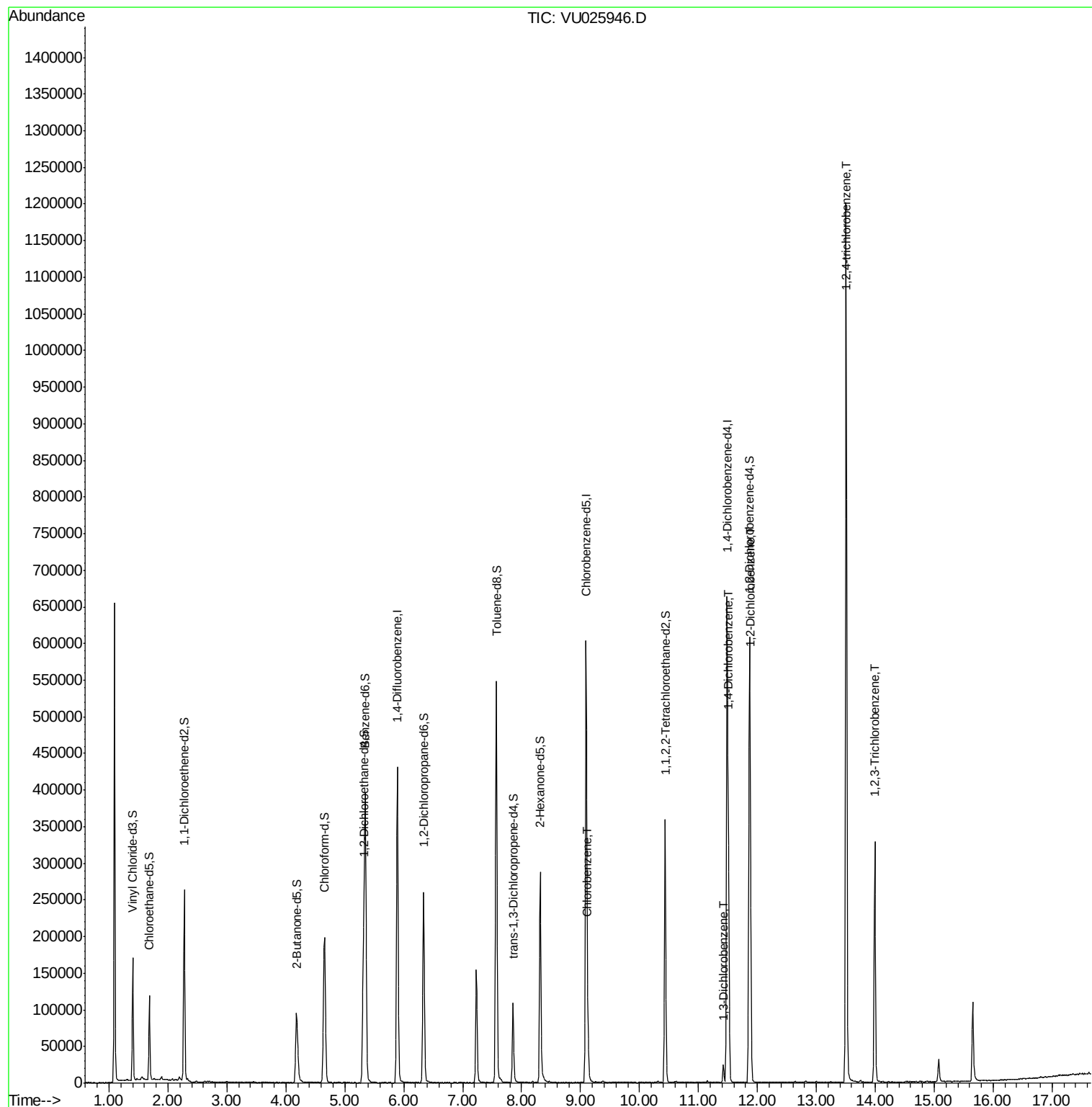
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
51) Chlorobenzene	9.12	112	41849	6.19	ug/L	95
62) 1,3-Dichlorobenzene	11.42	146	10528	2.06	ug/L	94
63) 1,4-Dichlorobenzene	11.51	146	104115	19.98	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	95983	18.72	ug/L	97
68) 1,2,4-trichlorobenzene	13.51	180	379674	116.08	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	106237	31.70	ug/L	100

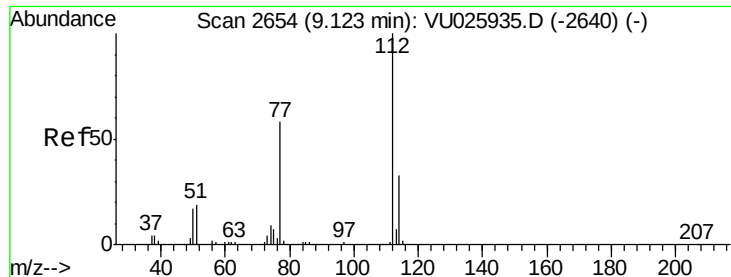
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU080718\
Data File : VU025946.D
Acq On : 07 Aug 2018 17:45
Operator : MD/SY
Sample : J4363-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A4ZA9

Quant Time: Aug 08 05:14:21 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Aug 07 12:44:32 2018
Response via : Initial Calibration

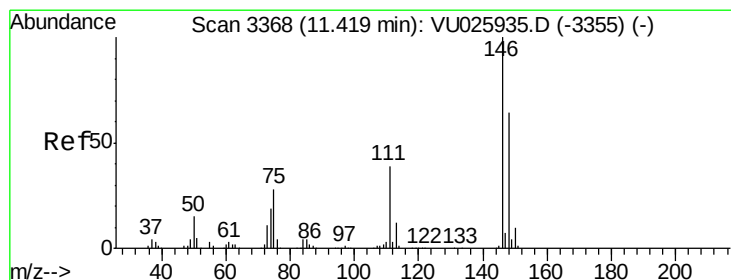
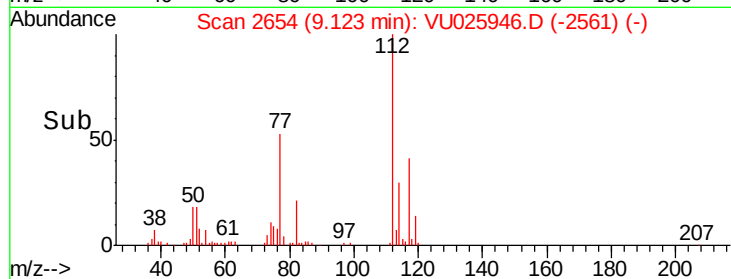
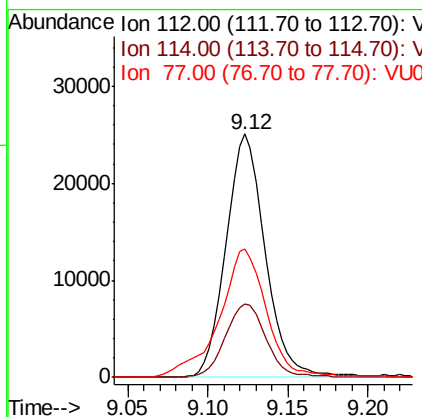
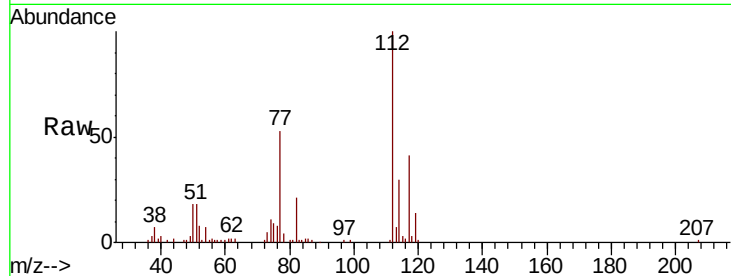




#51
Chlorobenzene
Concen: 6.19 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU025946.D
Acq: 07 Aug 2018 17:45

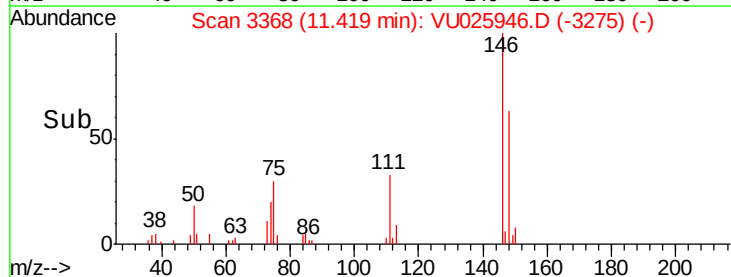
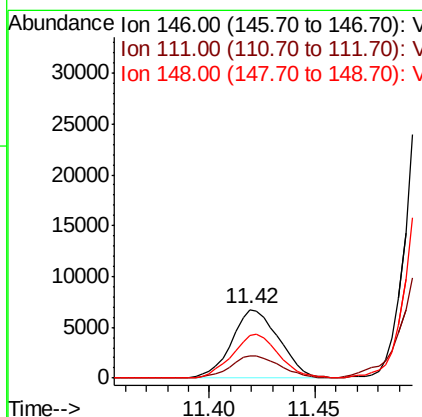
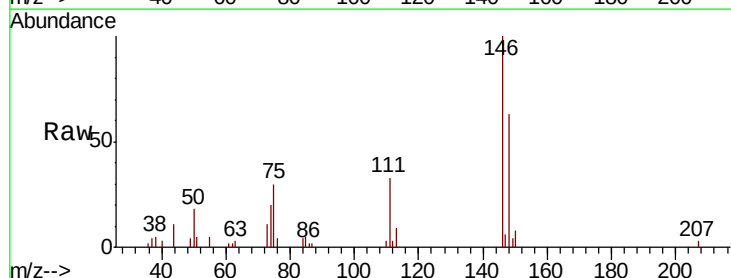
Instrument :
MSVOA_U
ClientSampleId :
A4ZA9

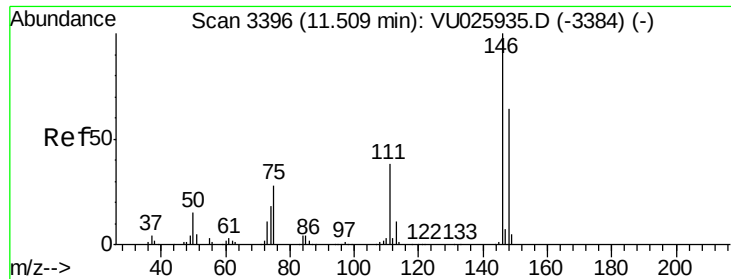
Tot Ion	Ratio	Lower	Upper
112	100		
114	30.2	22.5	41.9
77	53.0	45.8	68.8



#62
1,3-Dichlorobenzene
Concen: 2.06 ug/L
RT: 11.42 min Scan# 3368
Delta R.T. -0.00 min
Lab File: VU025946.D
Acq: 07 Aug 2018 17:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.6	27.7	51.5
148	62.7	45.5	84.5





#63

1,4-Dichlorobenzene

Concen: 19.98 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU025946.D

Acq: 07 Aug 2018 17:45

Instrument :

MSVOA_U

ClientSampleId :

A4ZA9

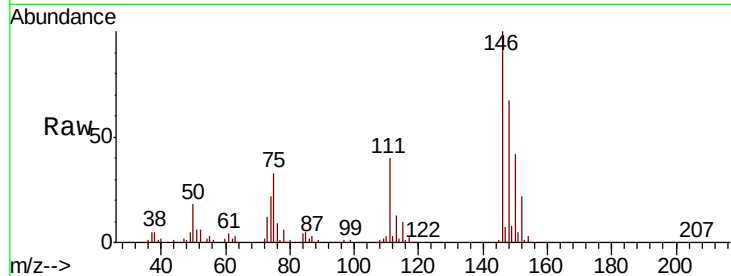
Tot Ion:146 Resp: 104115

Ion Ratio Lower Upper

146 100

111 40.1 26.9 49.9

148 67.0 44.6 82.8

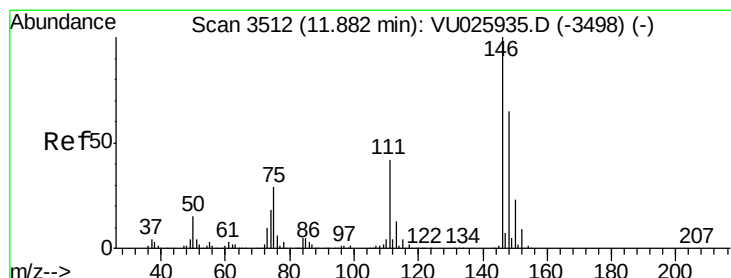
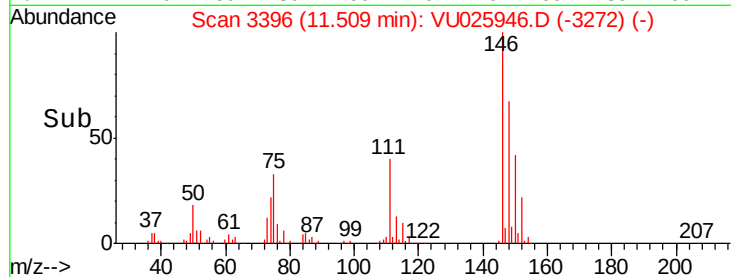
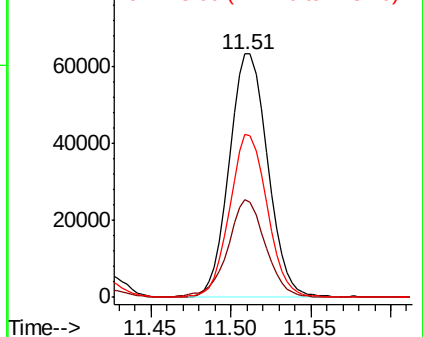


Abundance

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: 18.72 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU025946.D

Acq: 07 Aug 2018 17:45

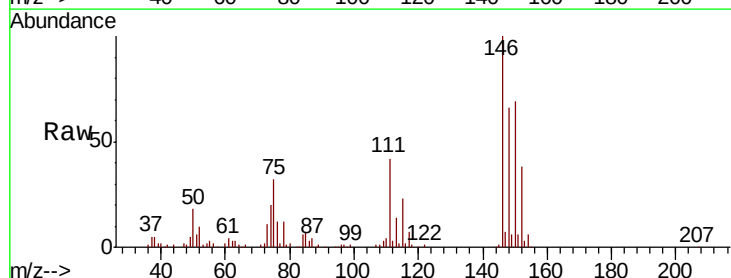
Tgt Ion:146 Resp: 95983

Ion Ratio Lower Upper

146 100

111 41.7 32.4 48.6

148 66.3 50.7 76.1

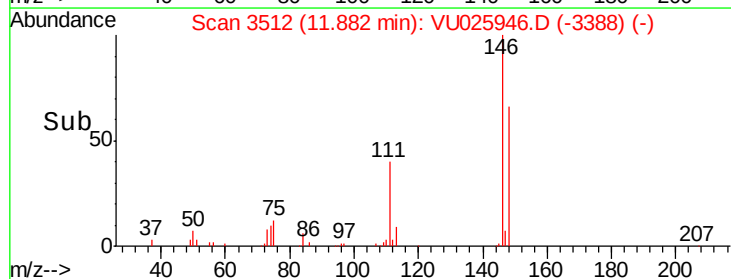
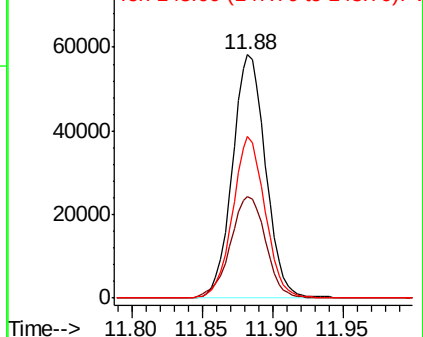


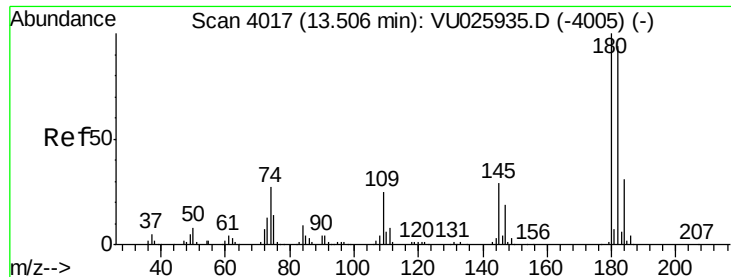
Abundance

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

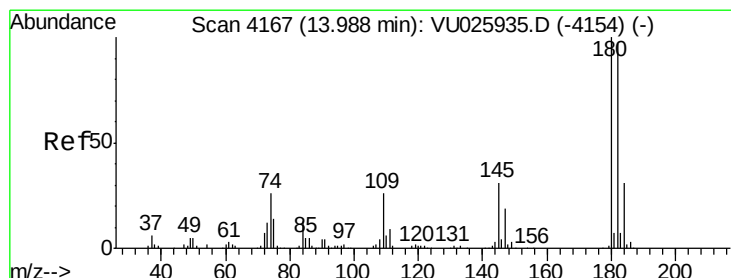
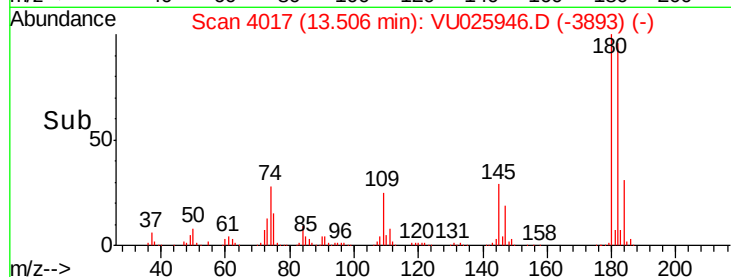
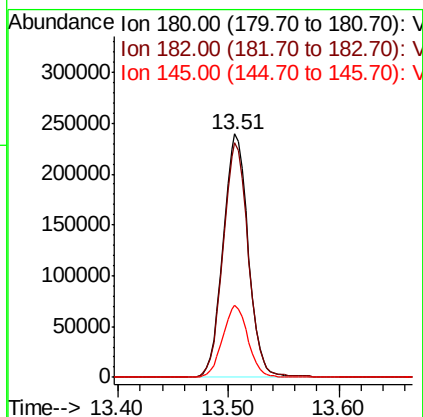
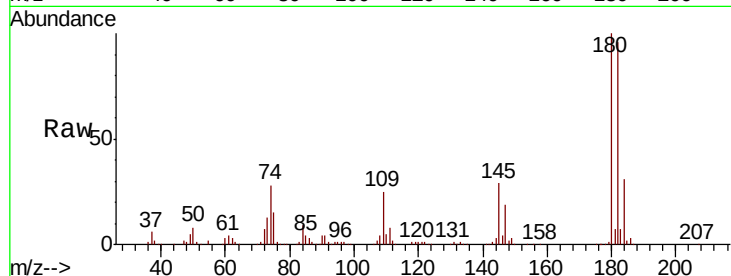




#68
 1,2,4-trichlorobenzene
 Concen: 116.08 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025946.D
 Acq: 07 Aug 2018 17:45

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA9

Tot Ion:180 Resp: 379674
 Ion Ratio Lower Upper
 180 100
 182 96.5 78.1 117.1
 145 29.5 23.4 35.2



#70
 1,2,3-Trichlorobenzene
 Concen: 31.70 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU025946.D
 Acq: 07 Aug 2018 17:45

Tgt Ion:180 Resp: 106237
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.6 114.8
 145 31.5 25.4 38.2

