

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080718\
 Data File : VU025964.D
 Acq On : 08 Aug 2018 02:09
 Operator : MD/SY
 Sample : J4361-22
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA5

Quant Time: Aug 08 06:49:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 08 06:47:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	306582	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	281445	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	120797	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	78846	46.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.82%
7) Chloroethane-d5	1.68	69	63769	50.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.10%
11) 1,1-Dichloroethene-d2	2.27	63	115901	35.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.44%
21) 2-Butanone-d5	4.18	46	124296	106.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.33%
24) Chloroform-d	4.65	84	165176	50.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.44%
26) 1,2-Dichloroethane-d4	5.31	65	112561	51.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.70%
32) Benzene-d6	5.35	84	319262	51.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.92%
36) 1,2-Dichloropropane-d6	6.33	67	103072	53.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.88%
41) Toluene-d8	7.57	98	292086	48.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.06%
43) trans-1,3-Dichloropropene-	7.85	79	47082	46.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.10%
47) 2-Hexanone-d5	8.31	63	80564	100.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.37%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	138993	52.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.04%
64) 1,2-Dichlorobenzene-d4	11.86	152	108137	54.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.38%

Target Compounds

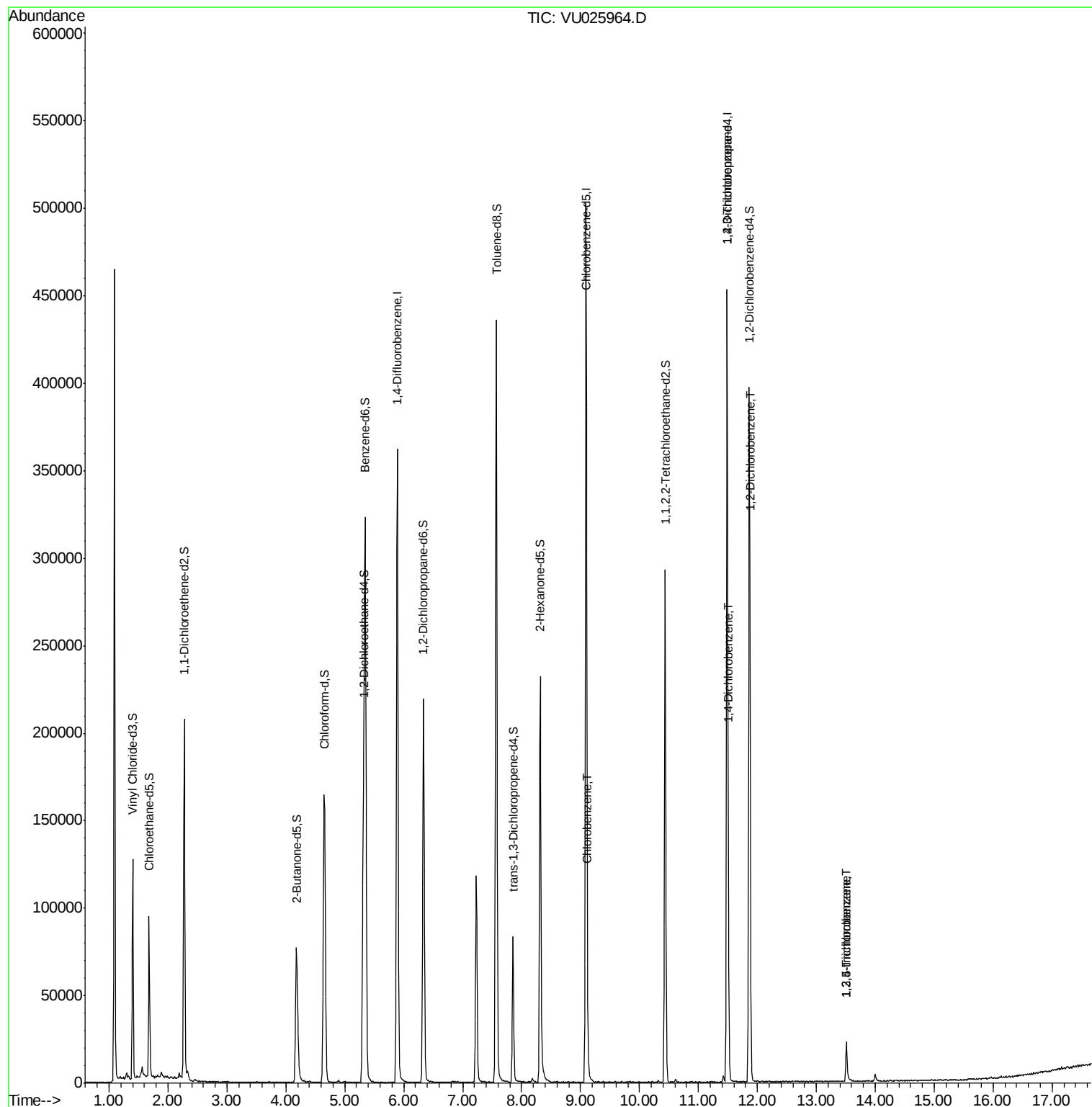
					Qvalue
51) Chlorobenzene	9.12	112	6737	1.225 ug/L	94
59) 1,2,3-Trichloropropane	11.49	75	15204	6.078 ug/L	94
63) 1,4-Dichlorobenzene	11.51	146	10677	2.900 ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	7603	2.098 ug/L #	90
67) 1,3,5-Trichlorobenzene	13.51	180	8349	3.135 ug/L	97
68) 1,2,4-trichlorobenzene	13.51	180	8349	3.612 ug/L	94

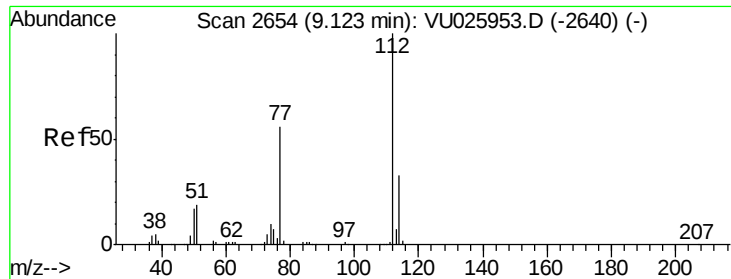
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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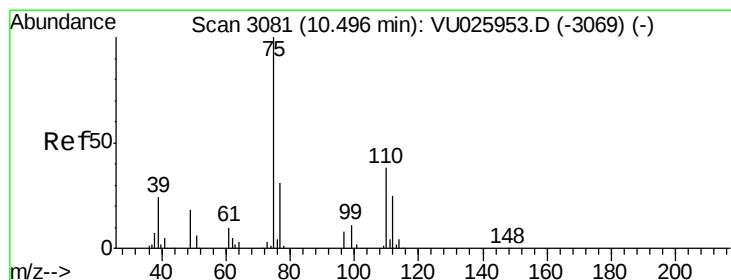
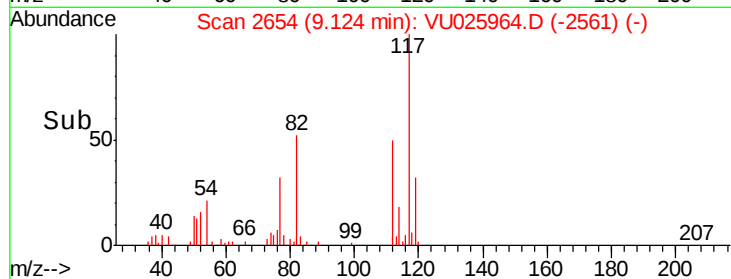
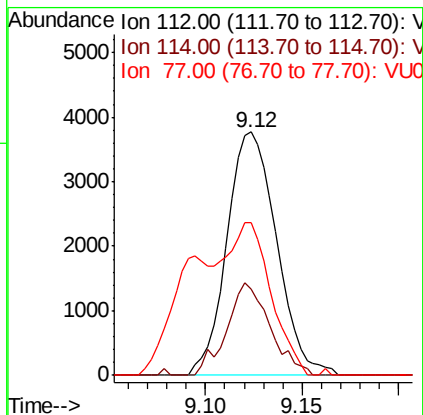
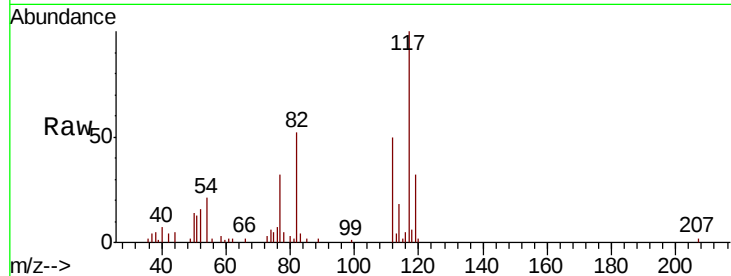




#51
Chlorobenzene
Concen: 1.225 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025964.D
Acq: 08 Aug 2018 02:09

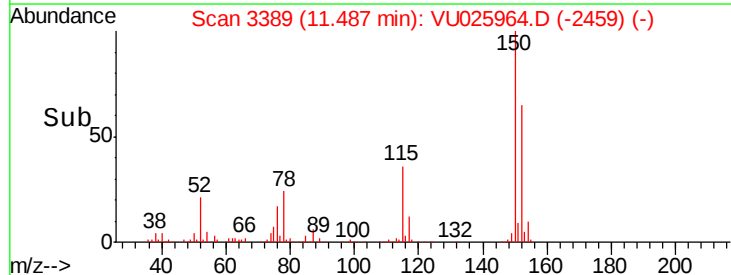
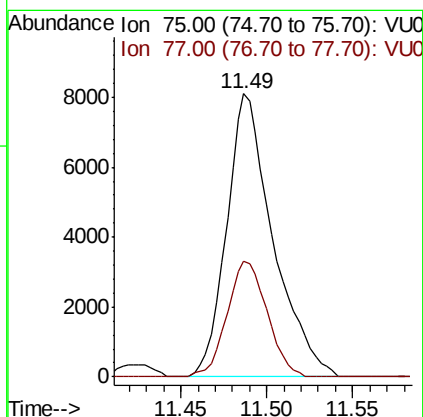
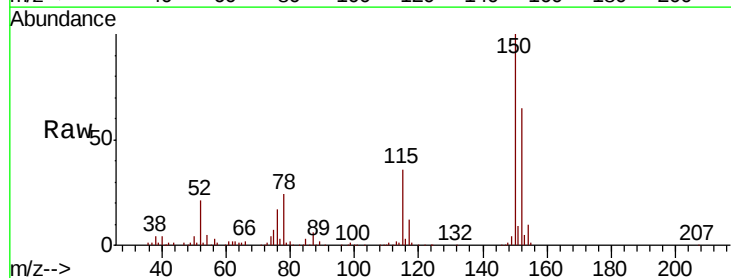
Instrument :
MSVOA_U
ClientSampleId :
A4ZA5

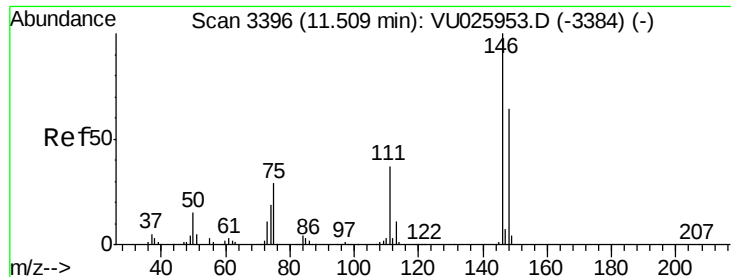
Tgt Ion	Ratio	Lower	Upper
112	100		
114	35.6	22.9	42.5
77	62.6	46.6	70.0



#59
1,2,3-Trichloropropane
Concen: 6.078 ug/L
RT: 11.49 min Scan# 3389
Delta R.T. 0.99 min
Lab File: VU025964.D
Acq: 08 Aug 2018 02:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	35.4	25.5	38.3





#63

1,4-Dichlorobenzene

Concen: 2.900 ug/L

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU025964.D

Acq: 08 Aug 2018 02:09

Instrument :

MSVOA_U

ClientSampleId :

A4ZA5

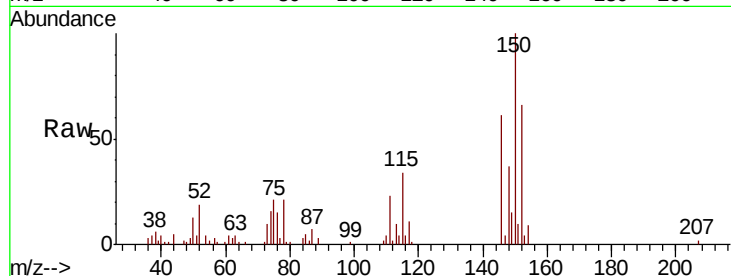
Tgt Ion:146 Resp: 10677

Ion Ratio Lower Upper

146 100

111 37.8 26.7 49.7

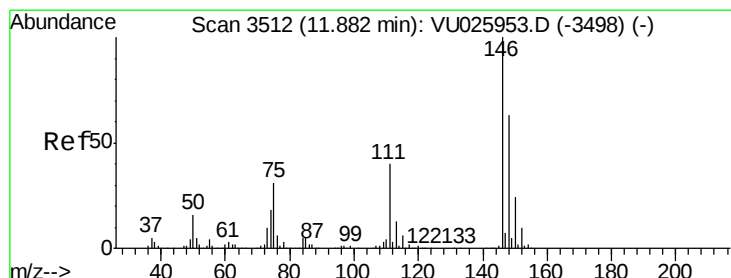
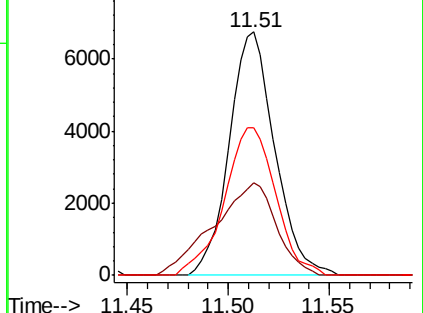
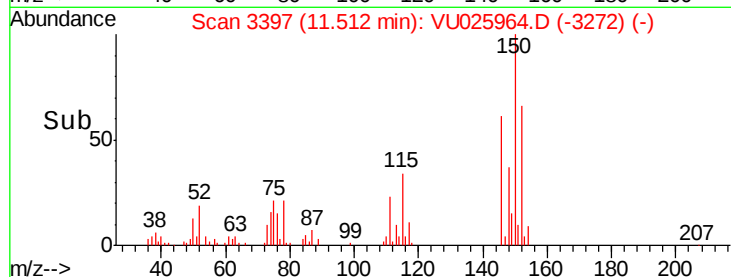
148 60.4 45.2 84.0



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



#65

1,2-Dichlorobenzene

Concen: 2.098 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025964.D

Acq: 08 Aug 2018 02:09

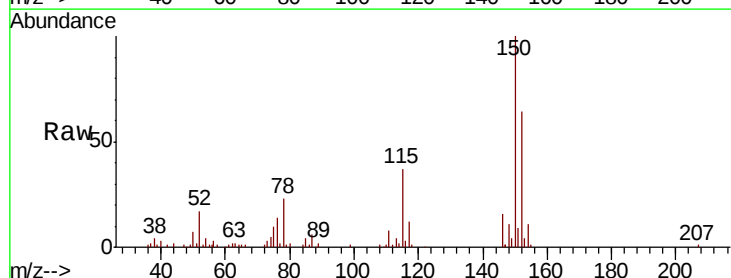
Tgt Ion:146 Resp: 7603

Ion Ratio Lower Upper

146 100

111 50.3 33.4 50.0#

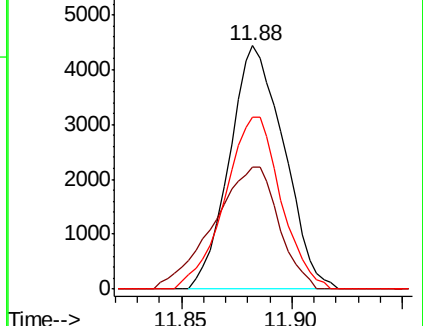
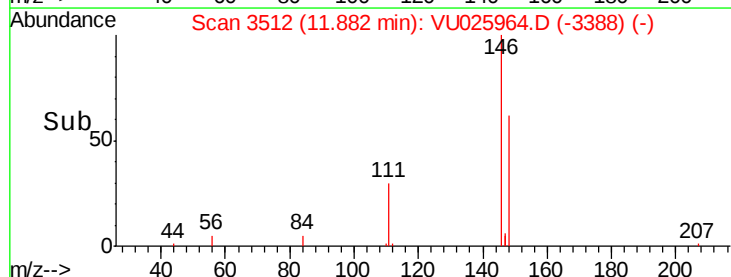
148 70.8 51.8 77.8

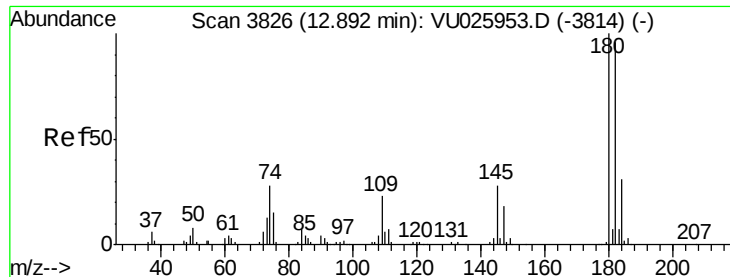


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

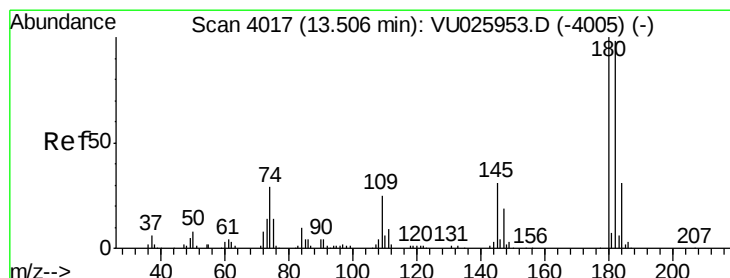
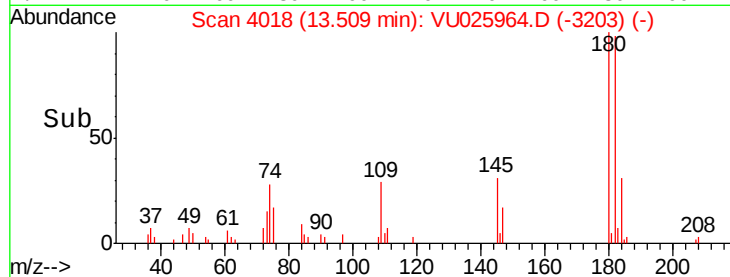
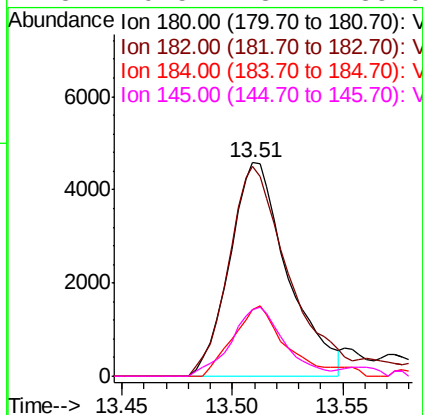
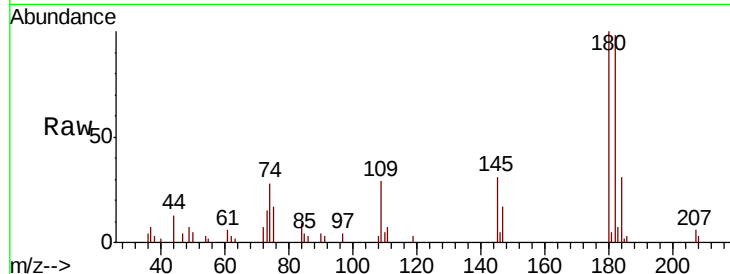




#67
 1,3,5-Trichlorobenzene
 Concen: 3.135 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.62 min
 Lab File: VU025964.D
 Acq: 08 Aug 2018 02:09

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA5

Tgt Ion:180 Resp: 8349
 Ion Ratio Lower Upper
 180 100
 182 101.5 77.8 116.6
 184 29.1 24.6 37.0
 145 29.5 23.4 35.0



#68
 1,2,4-trichlorobenzene
 Concen: 3.612 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU025964.D
 Acq: 08 Aug 2018 02:09

Tgt Ion:180 Resp: 8349
 Ion Ratio Lower Upper
 180 100
 182 101.5 75.3 112.9
 145 29.5 23.1 34.7

