

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081318\
 Data File : VU026064.D
 Acq On : 13 Aug 2018 13:30
 Operator : MD/SY
 Sample : J4401-07DL 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZE7DL

Quant Time: Aug 14 01:47:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 14 01:13:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	289867	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	270251	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	122959	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	101301	47.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.62%
7) Chloroethane-d5	1.68	69	82469	49.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.18%
11) 1,1-Dichloroethene-d2	2.27	63	154325	38.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.66%
21) 2-Butanone-d5	4.18	46	151540	85.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.81%
24) Chloroform-d	4.65	84	210168	46.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.56%
26) 1,2-Dichloroethane-d4	5.31	65	145119	47.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.62%
32) Benzene-d6	5.35	84	418253	49.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.68%
36) 1,2-Dichloropropane-d6	6.33	67	133661	49.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.44%
41) Toluene-d8	7.57	98	385751	48.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.10%
43) trans-1,3-Dichloropropene-	7.85	79	65413	47.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.62%
47) 2-Hexanone-d5	8.31	63	106470	86.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.33%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	180514	45.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.92%
64) 1,2-Dichlorobenzene-d4	11.86	152	156084	51.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.98%

Target Compounds

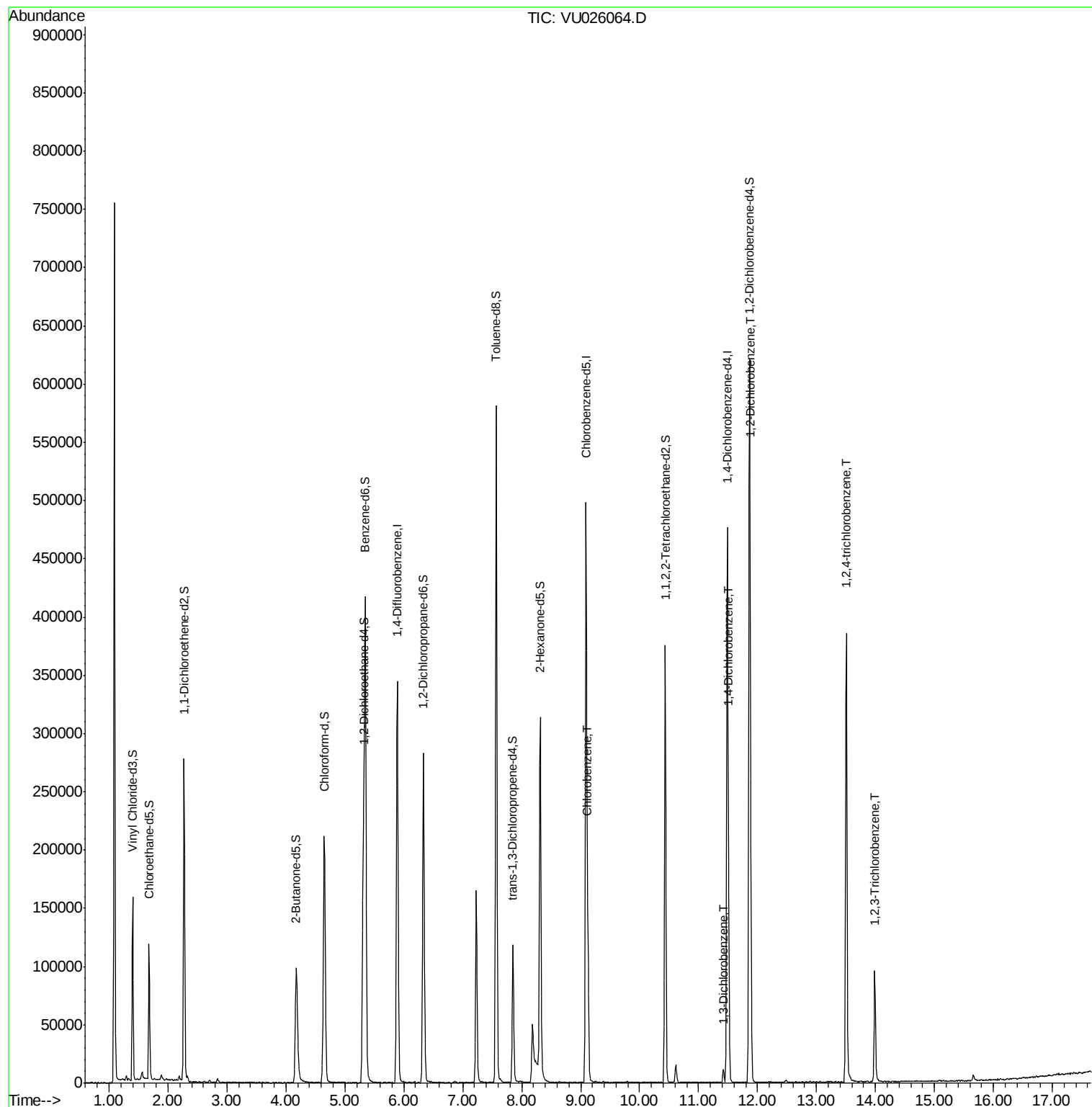
					Ovalue
51) Chlorobenzene	9.12	112	70648	12.82	ug/L 99
62) 1,3-Dichlorobenzene	11.42	146	5034	1.32	ug/L # 85
63) 1,4-Dichlorobenzene	11.51	146	59260	14.77	ug/L 96
65) 1,2-Dichlorobenzene	11.88	146	91763	22.52	ug/L 98
68) 1,2,4-trichlorobenzene	13.51	180	123678	51.12	ug/L 99
70) 1,2,3-Trichlorobenzene	13.99	180	31241	12.01	ug/L 96

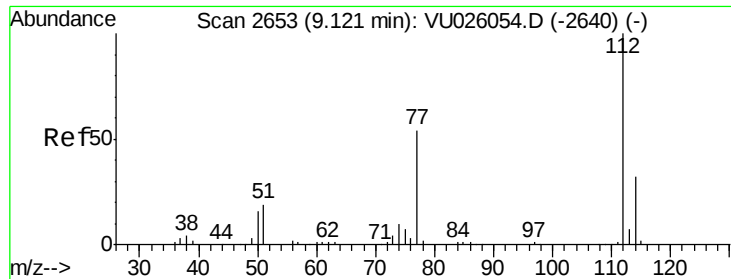
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Aug 14 01:13:22 2018
Response via : Initial Calibration

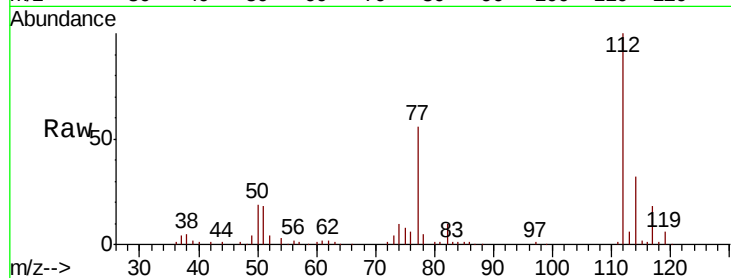




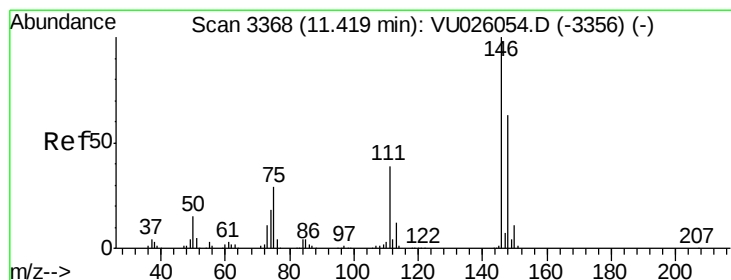
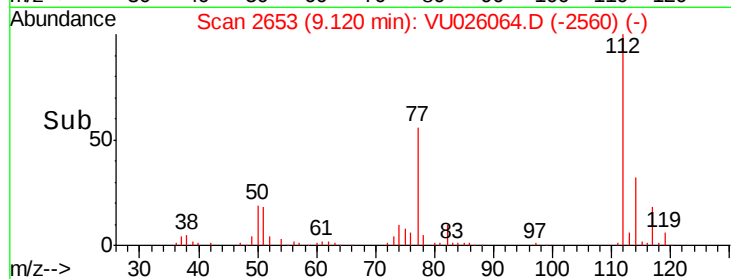
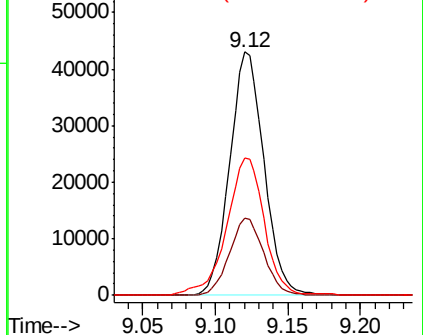
#51
Chlorobenzene
Concen: 12.82 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU026064.D
Acq: 13 Aug 2018 13:30

Instrument :
MSVOA_U
ClientSampleId :
A4ZE7DL

Tot Ion:112 Resp: 70648
Ion Ratio Lower Upper
112 100
114 31.7 22.7 42.3
77 56.4 45.2 67.8

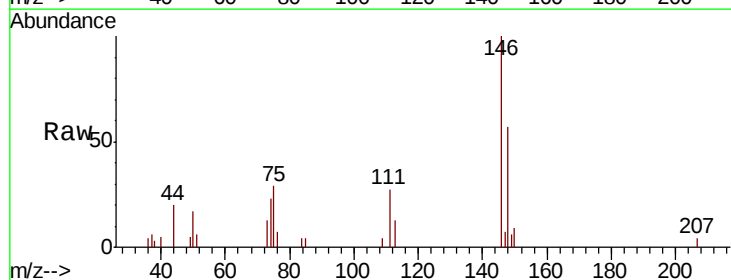


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

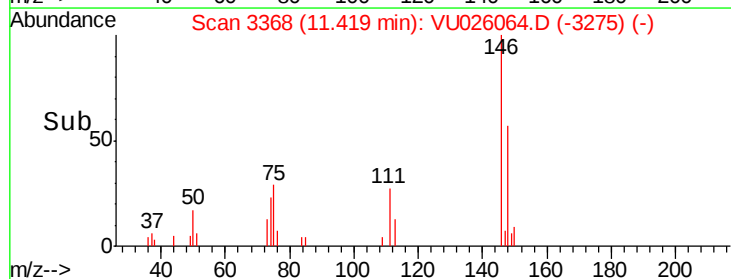
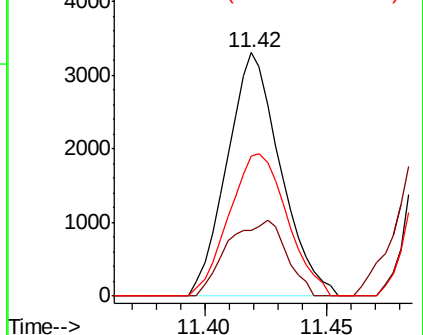


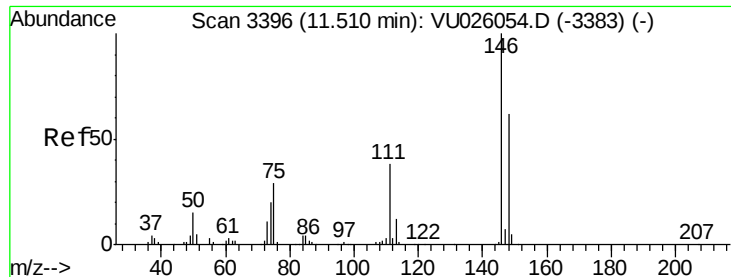
#62
1,3-Dichlorobenzene
Concen: 1.32 ug/L
RT: 11.42 min Scan# 3368
Delta R.T. -0.00 min
Lab File: VU026064.D
Acq: 13 Aug 2018 13:30

Tgt Ion:146 Resp: 5034
Ion Ratio Lower Upper
146 100
111 26.9 27.9 51.9#
148 57.3 46.0 85.4



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

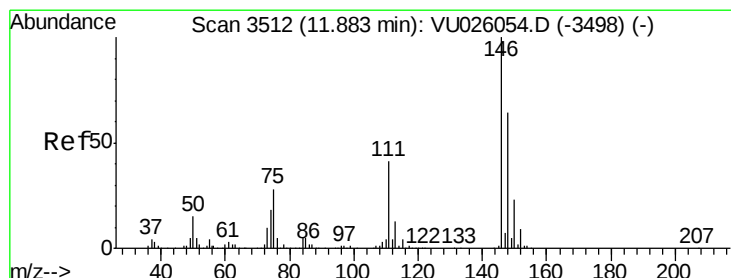
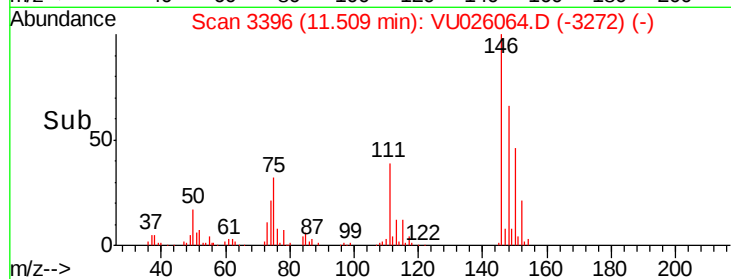
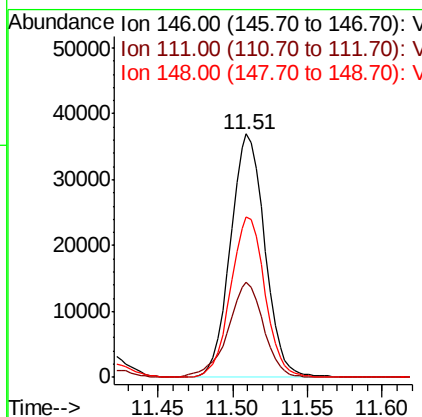
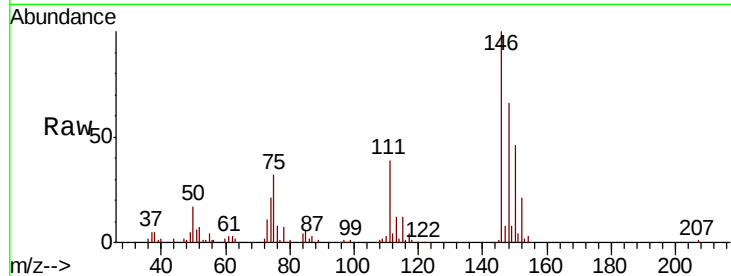




#63
 1,4-Dichlorobenzene
 Concen: 14.77 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU026064.D
 Acq: 13 Aug 2018 13:30

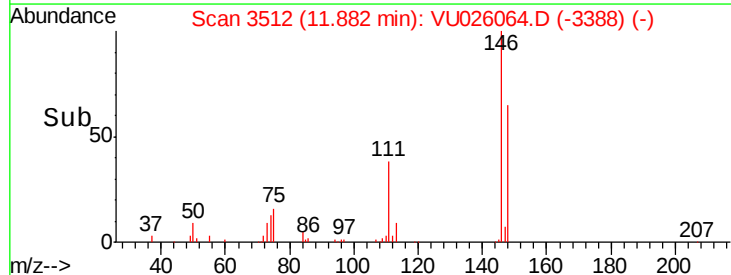
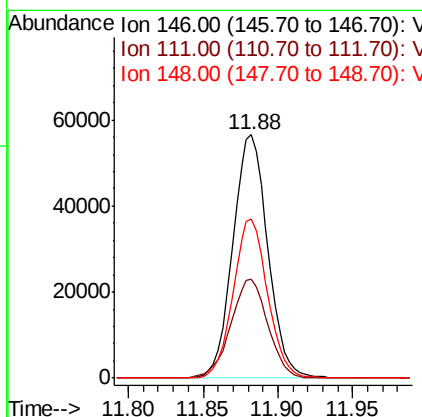
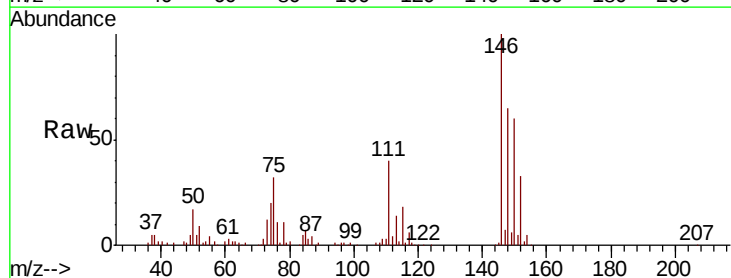
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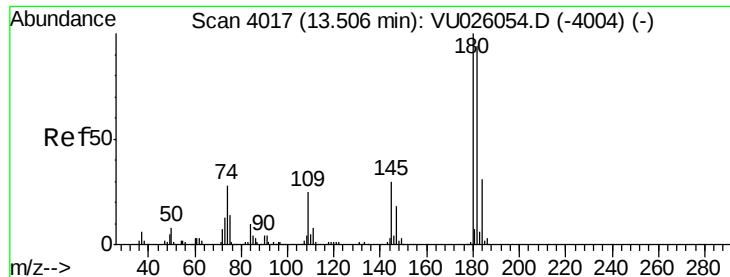
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	26.4	49.0
148	65.9	43.8	81.4



#65
 1,2-Dichlorobenzene
 Concen: 22.52 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU026064.D
 Acq: 13 Aug 2018 13:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	32.4	48.6
148	65.4	50.1	75.1

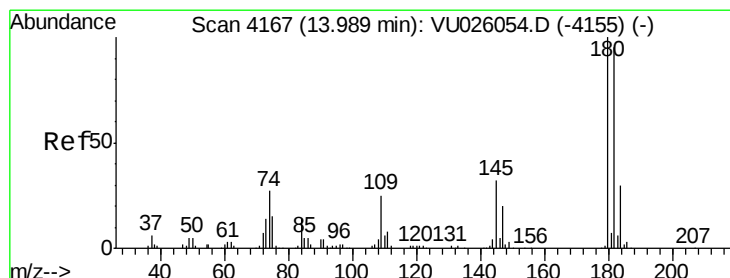
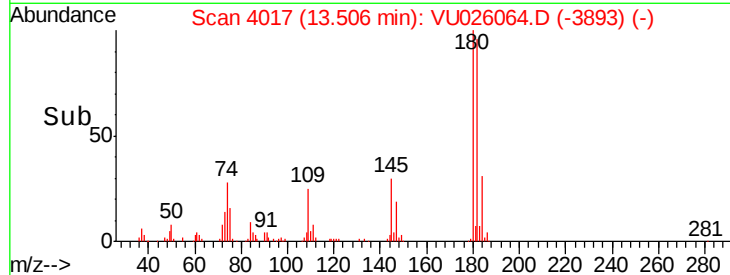
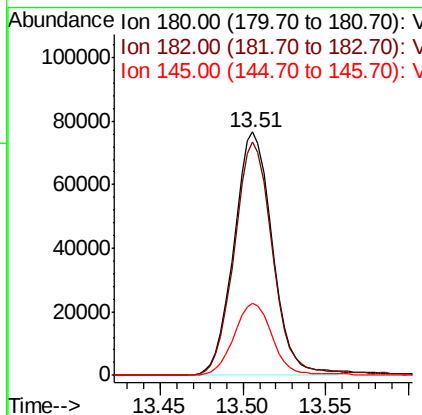
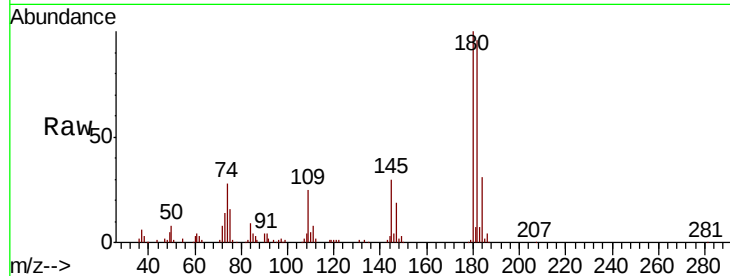




#68
 1,2,4-trichlorobenzene
 Concen: 51.12 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU026064.D
 Acq: 13 Aug 2018 13:30

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZE7DL

Tot Ion	180	Resp	123678
Ion Ratio	Lower	Upper	
180	100		
182	96.3	76.5	114.7
145	29.8	24.2	36.4



#70
 1,2,3-Trichlorobenzene
 Concen: 12.01 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU026064.D
 Acq: 13 Aug 2018 13:30

Tgt Ion	180	Resp	31241
Ion Ratio	Lower	Upper	
180	100		
182	100.5	76.5	114.7
145	31.4	24.7	37.1

