

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081318\
 Data File : VU026072.D
 Acq On : 13 Aug 2018 17:03
 Operator : MD/SY
 Sample : J4402-05 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 14 02:19:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 14 02:18:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	282930	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	266398	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	127272	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	92503	44.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.46%
7) Chloroethane-d5	1.67	69	78347	47.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.56%
11) 1,1-Dichloroethene-d2	2.27	63	142334	36.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.44%
21) 2-Butanone-d5	4.18	46	142855	82.88	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	82.88%
24) Chloroform-d	4.65	84	204101	46.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.08%
26) 1,2-Dichloroethane-d4	5.31	65	138399	46.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.44%
32) Benzene-d6	5.34	84	394756	47.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.44%
36) 1,2-Dichloropropane-d6	6.33	67	127025	47.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.92%
41) Toluene-d8	7.57	98	363368	45.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.82%
43) trans-1,3-Dichloropropene-	7.85	79	62123	46.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.14%
47) 2-Hexanone-d5	8.31	63	101720	83.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.67%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	173097	44.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.44%
64) 1,2-Dichlorobenzene-d4	11.86	152	154841	49.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.70%

Target Compounds

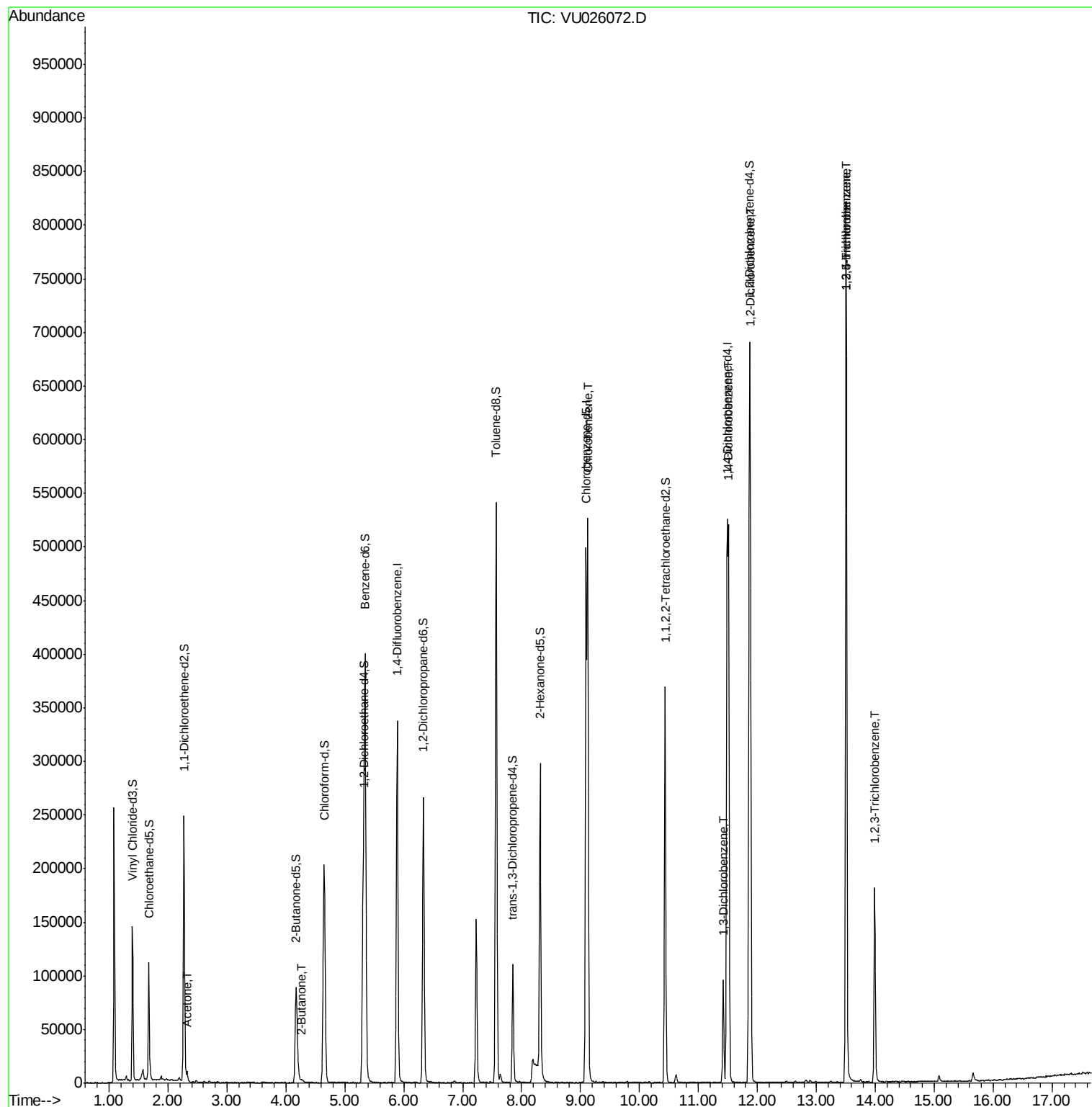
					Ovalue
13) Acetone	2.32	43	8390	7.836	ug/L 97
22) 2-Butanone	4.27	43	2108	1.361	ug/L 94
51) Chlorobenzene	9.12	112	271966	50.083	ug/L 98
62) 1,3-Dichlorobenzene	11.42	146	38776	9.786	ug/L 98
63) 1,4-Dichlorobenzene	11.51	146	191456	46.094	ug/L 99
65) 1,2-Dichlorobenzene	11.88	146	183551	43.521	ug/L 99
67) 1,3,5-Trichlorobenzene	13.51	180	256887	86.748	ug/L 99
68) 1,2,4-trichlorobenzene	13.51	180	256887	102.582	ug/L 99
70) 1,2,3-Trichlorobenzene	13.99	180	59163	21.981	ug/L 100

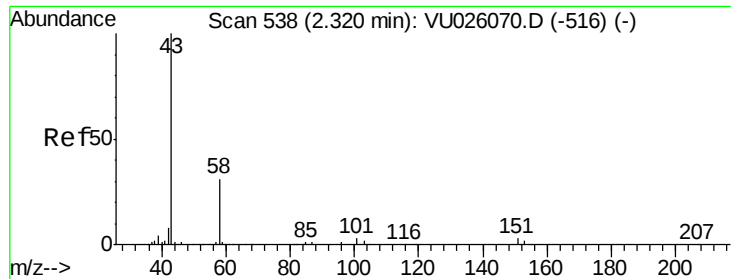
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Aug 14 02:18:47 2018
Response via : Initial Calibration





#13

Acetone

Concen: 7.836 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU026072.D

Acq: 13 Aug 2018 17:03

Instrument :

MSVOA_U

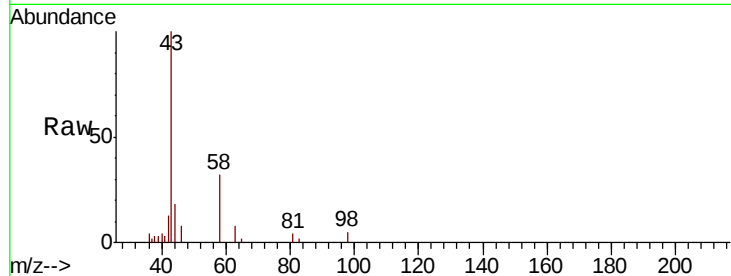
ClientSampleId :

Tot Ion: 43 Resp: 8390

Ion Ratio Lower Upper

43 100

58 29.3 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

6000

5000

4000

3000

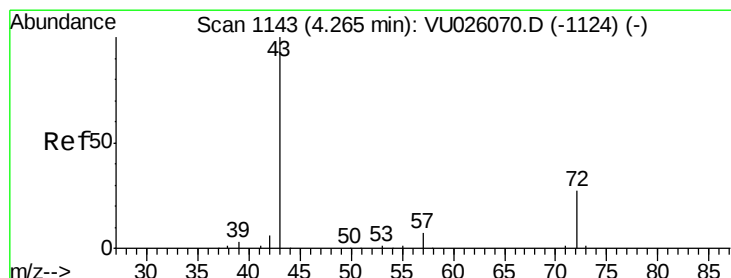
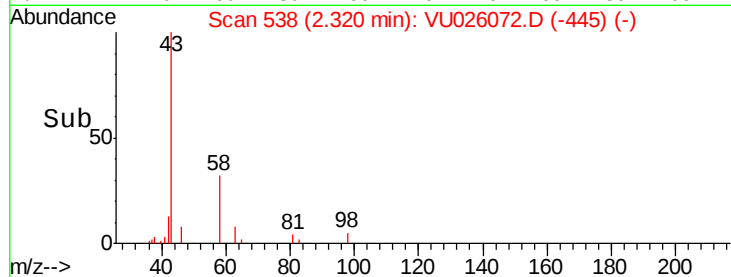
2000

1000

0

Time--> 2.25 2.30 2.35

2.32



#22

2-Butanone

Concen: 1.361 ug/L

RT: 4.27 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VU026072.D

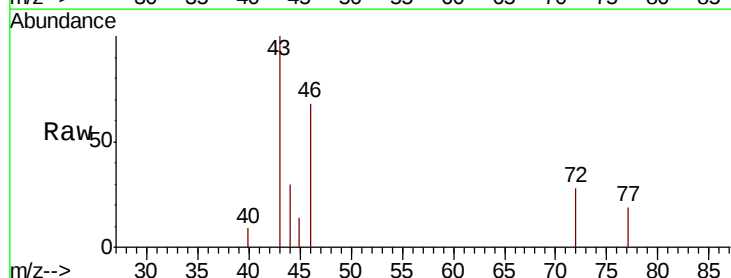
Acq: 13 Aug 2018 17:03

Tgt Ion: 43 Resp: 2108

Ion Ratio Lower Upper

43 100

72 24.0 13.5 40.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

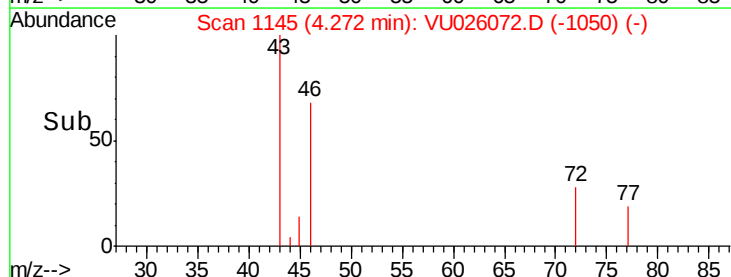
1000

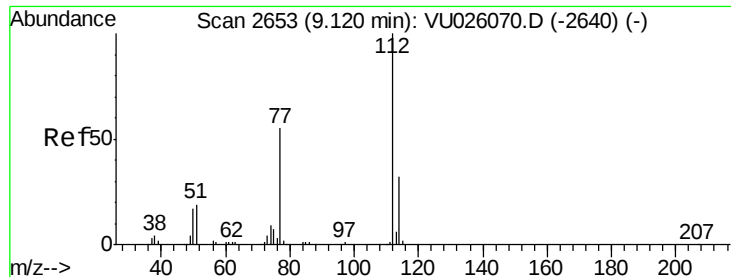
500

0

Time--> 4.20 4.25

4.27

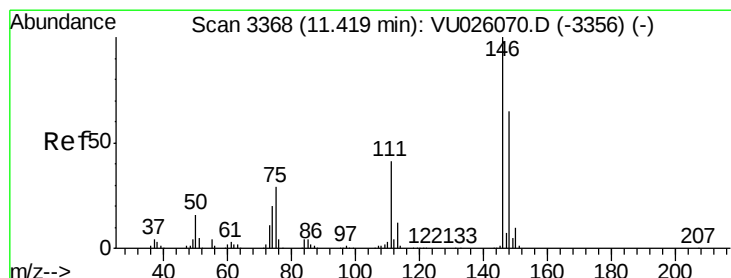
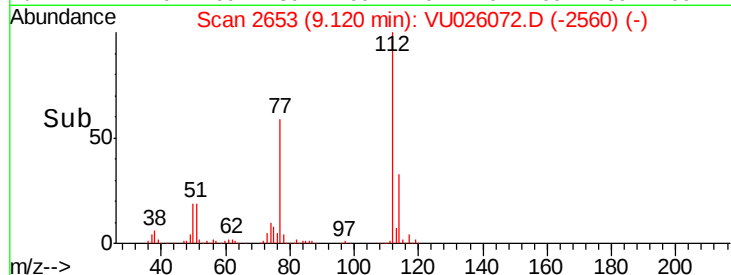
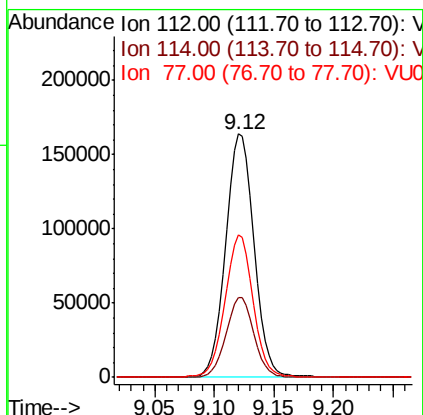
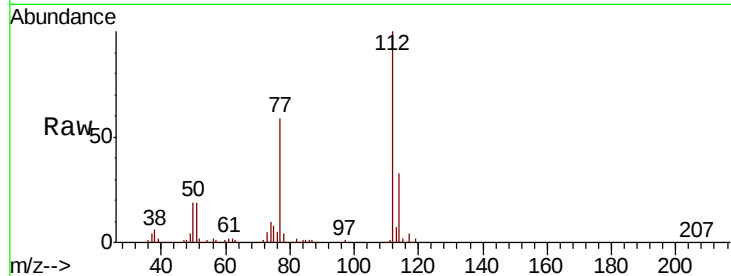




#51
Chlorobenzene
Concen: 50.083 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU026072.D
Acq: 13 Aug 2018 17:03

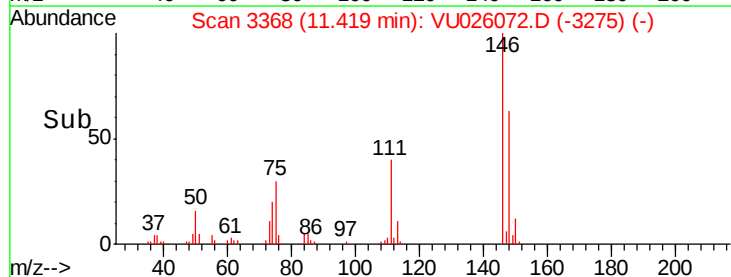
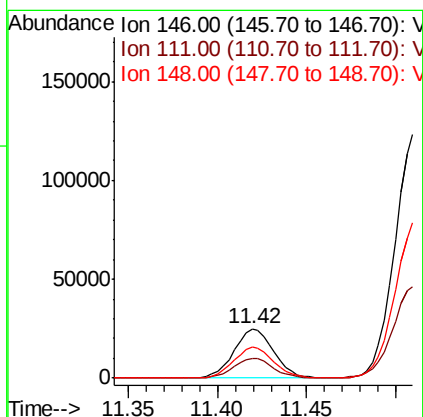
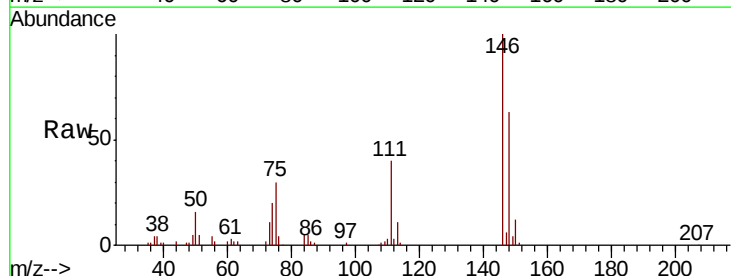
Instrument :
MSVOA_U
ClientSampleId :

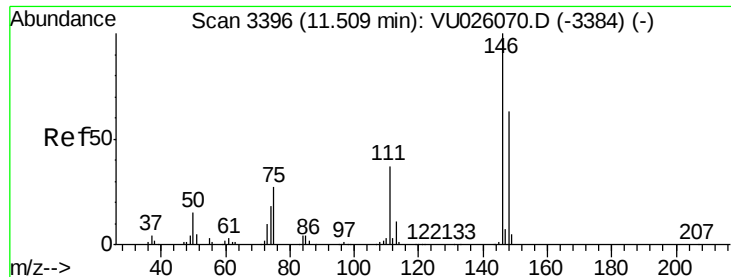
Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	22.7	42.3
77	58.7	45.2	67.8



#62
1,3-Dichlorobenzene
Concen: 9.786 ug/L
RT: 11.42 min Scan# 3368
Delta R.T. -0.00 min
Lab File: VU026072.D
Acq: 13 Aug 2018 17:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	27.9	51.9
148	62.6	46.0	85.4

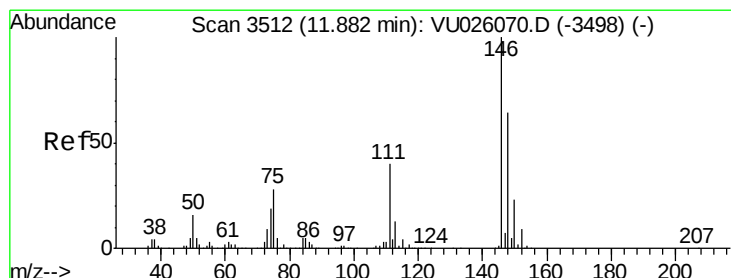
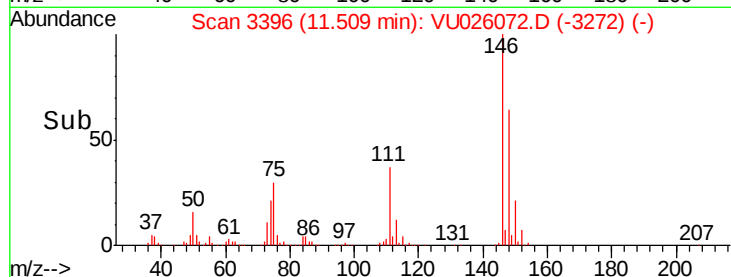
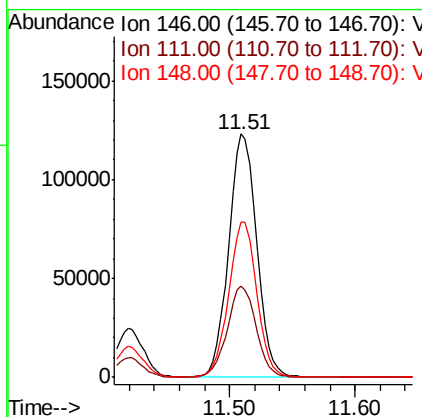
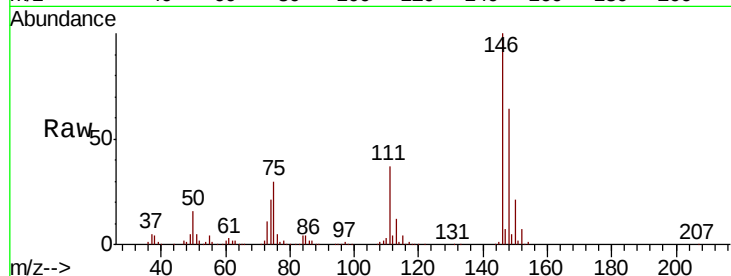




#63
 1,4-Dichlorobenzene
 Concen: 46.094 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU026072.D
 Acq: 13 Aug 2018 17:03

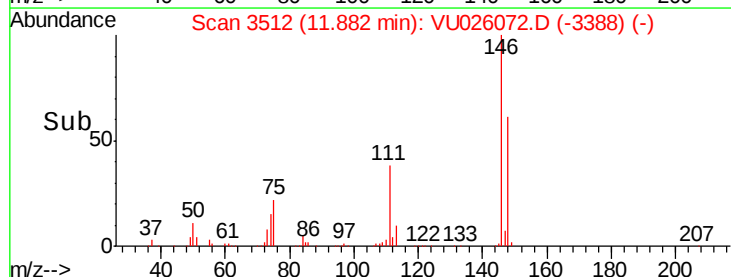
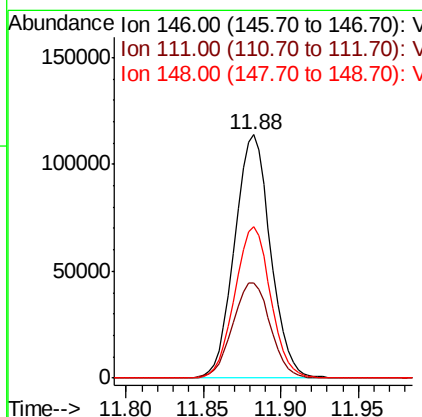
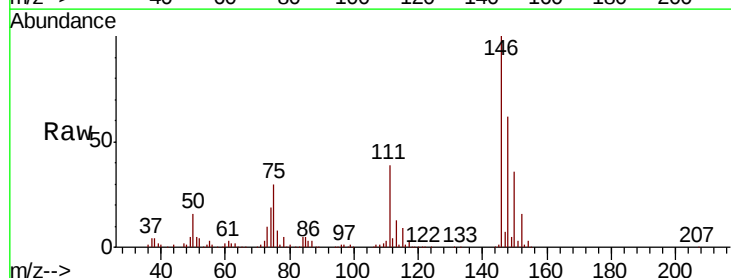
Instrument :
 MSVOA_U
 ClientSampleId :

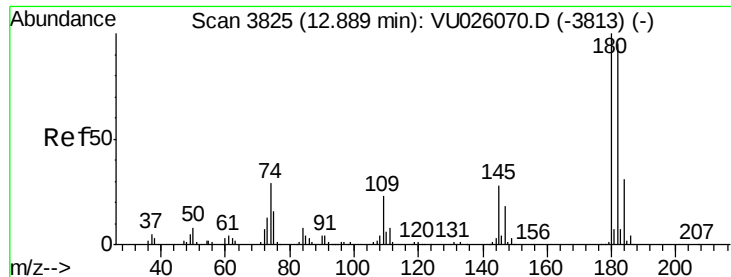
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	26.4	49.0
148	63.6	43.8	81.4



#65
 1,2-Dichlorobenzene
 Concen: 43.521 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU026072.D
 Acq: 13 Aug 2018 17:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	32.4	48.6
148	62.2	50.1	75.1

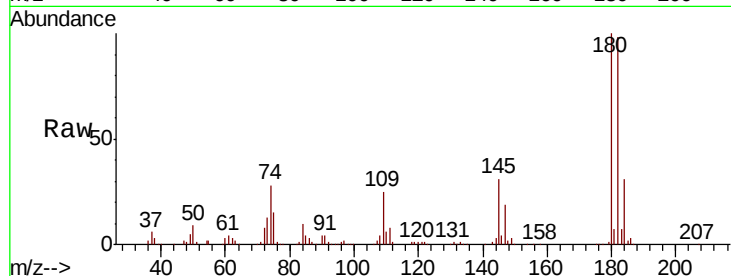




#67
 1,3,5-Trichlorobenzene
 Concen: 86.748 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.62 min
 Lab File: VU026072.D
 Acq: 13 Aug 2018 17:03

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.5	114.7
184	30.9	24.3	36.5
145	30.0	23.5	35.3



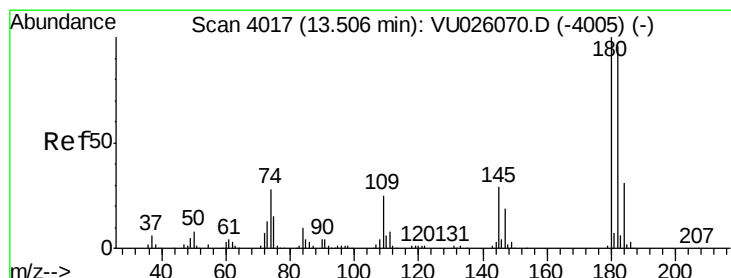
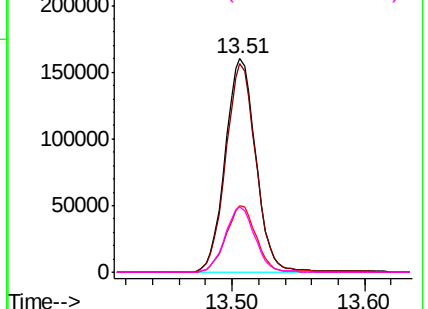
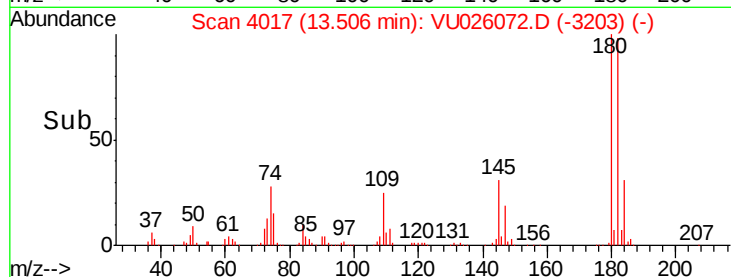
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

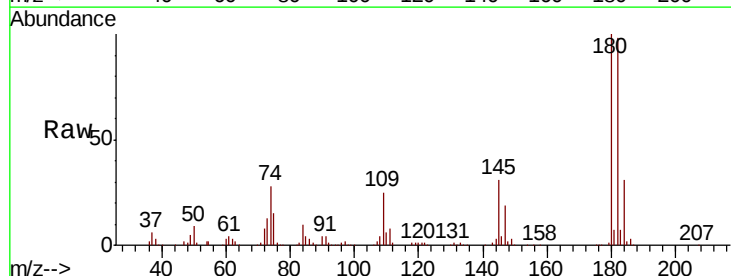
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 102.582 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU026072.D
 Acq: 13 Aug 2018 17:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.5	114.7
145	30.0	24.2	36.4

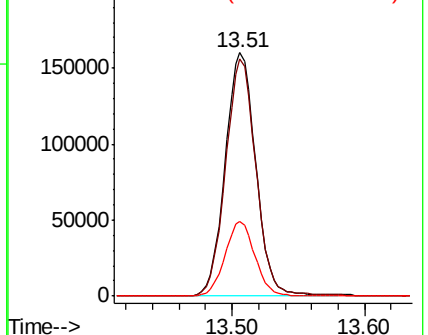
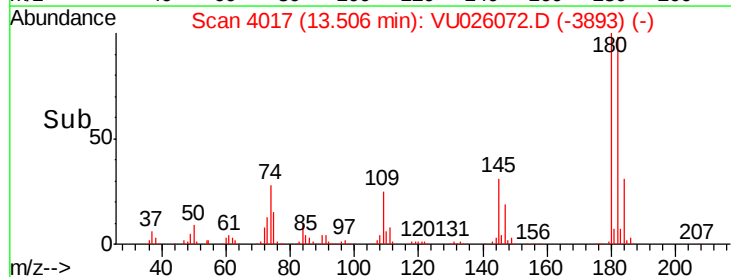


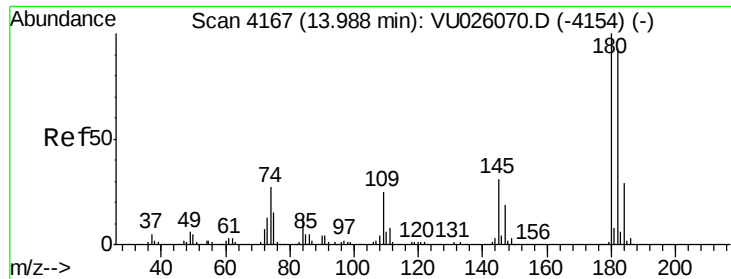
Abundance

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

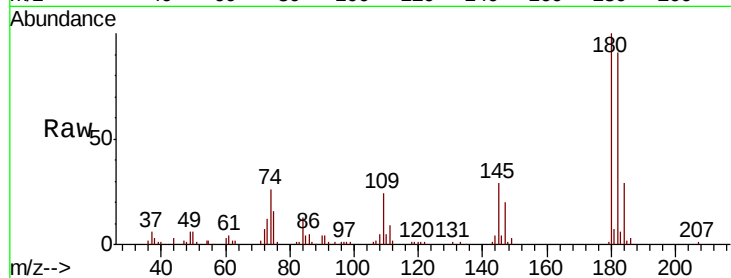




#70
 1,2,3-Trichlorobenzene
 Concen: 21.981 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU026072.D
 Acq: 13 Aug 2018 17:03

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	180	Resp	59163
Ion Ratio	Lower	Upper	
180	100		
182	95.6	76.5	114.7
145	30.7	24.7	37.1



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

