

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091818\
 Data File : VU026857.D
 Acq On : 18 Sep 2018 13:18
 Operator : MD/SY
 Sample : J4896-07 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08L0

Quant Time: Sep 19 06:53:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 19 05:05:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	241068	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	231281	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	117167	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	77471	43.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.88%
7) Chloroethane-d5	1.68	69	71349	46.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.48%
11) 1,1-Dichloroethene-d2	2.27	63	116014	34.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.76%
21) 2-Butanone-d5	4.18	46	129951	109.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.81%
24) Chloroform-d	4.65	84	155498	47.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.02%
26) 1,2-Dichloroethane-d4	5.31	65	104337	50.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.18%
32) Benzene-d6	5.34	84	321108	49.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.08%
36) 1,2-Dichloropropane-d6	6.33	67	105823	50.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.34%
41) Toluene-d8	7.57	98	276615	47.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.48%
43) trans-1,3-Dichloropropene-	7.85	79	43617	46.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.56%
47) 2-Hexanone-d5	8.31	63	92201	112.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.33%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	144297	49.55	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.10%
64) 1,2-Dichlorobenzene-d4	11.48	152	109239	44.82	ug/L	-0.38
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.64%

Target Compounds

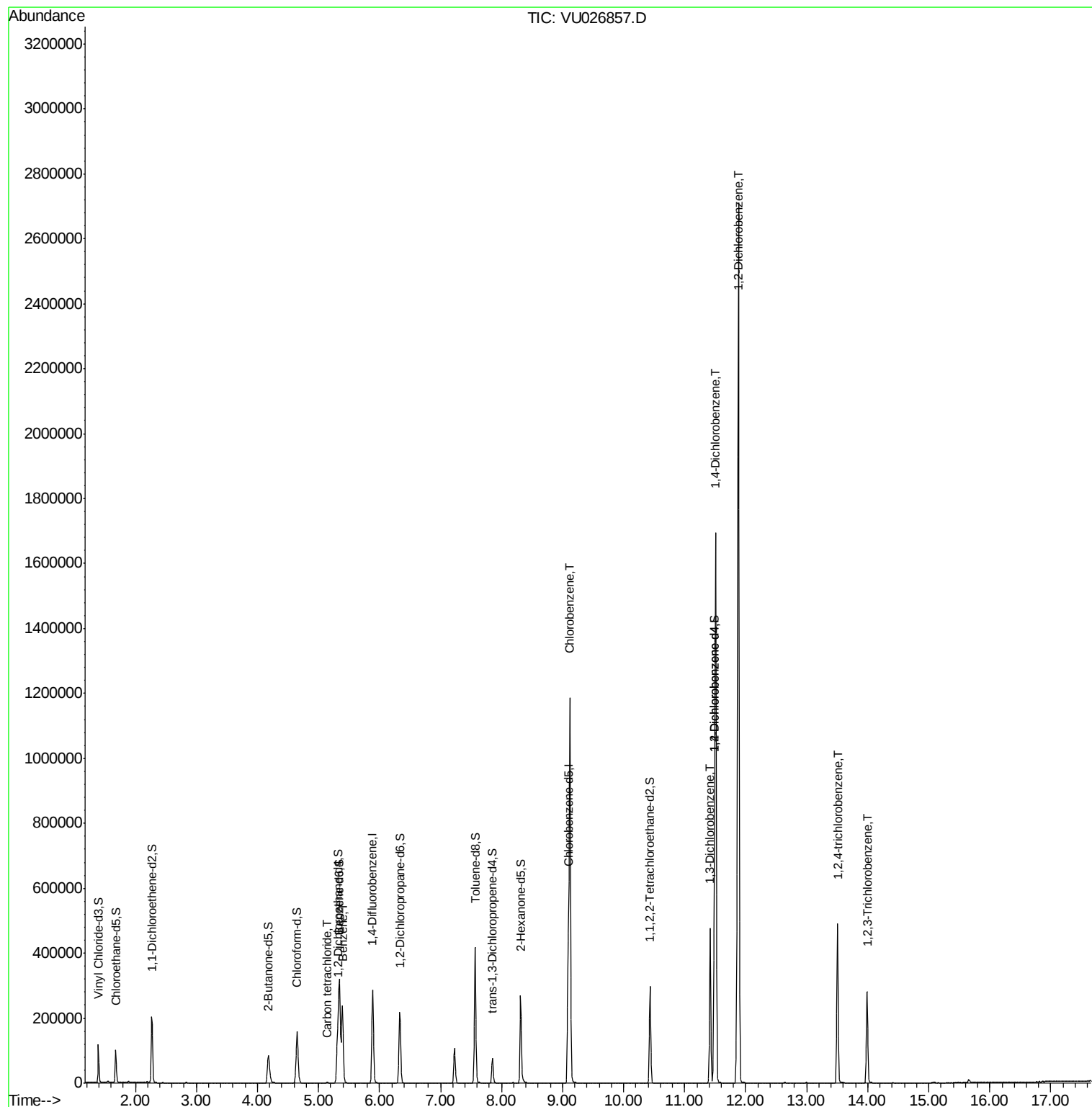
					Ovalue
31) Carbon tetrachloride	5.14	117	1599	0.649 ug/L	99
33) Benzene	5.39	78	233314	32.538 ug/L	100
51) Chlorobenzene	9.12	112	632520	128.463 ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	196235	54.940 ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	671246	170.669 ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	1070764	270.742 ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	155277	65.192 ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	94456	36.012 ug/L	99

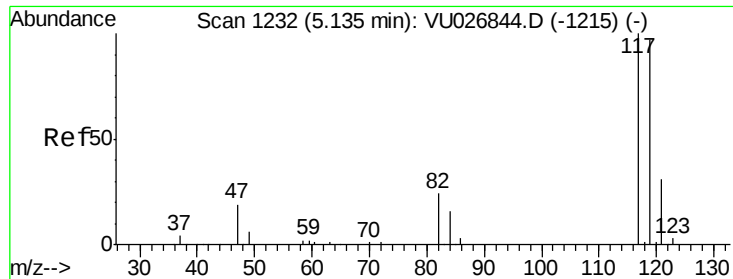
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Sep 19 05:05:35 2018
Response via : Initial Calibration





#31

Carbon tetrachloride

Concen: 0.649 ug/L

RT: 5.14 min Scan# 1234

Delta R.T. 0.01 min

Lab File: VU026857.D

Acq: 18 Sep 2018 13:18

Instrument :

MSVOA_U

ClientSampleId :

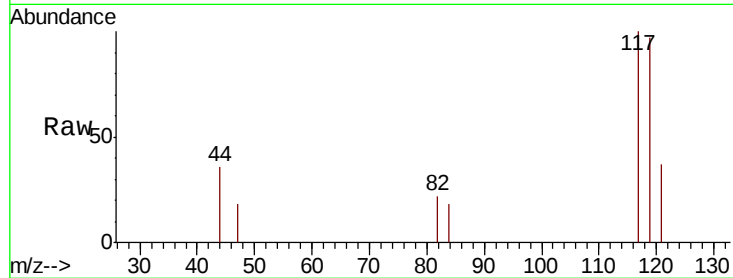
C08L0

Tot Ion:117 Resp: 1599

Ion Ratio Lower Upper

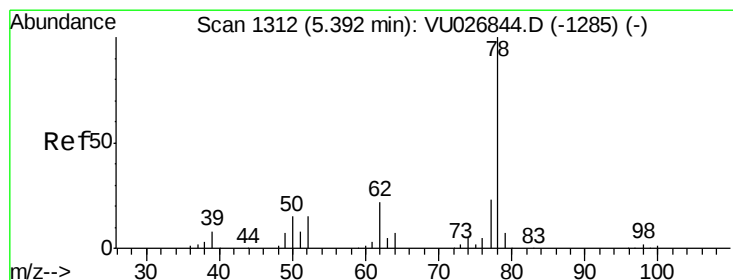
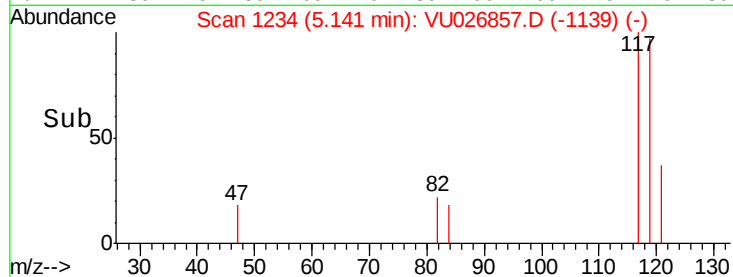
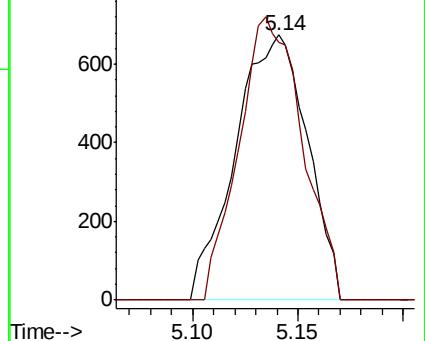
117 100

119 94.6 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 32.538 ug/L

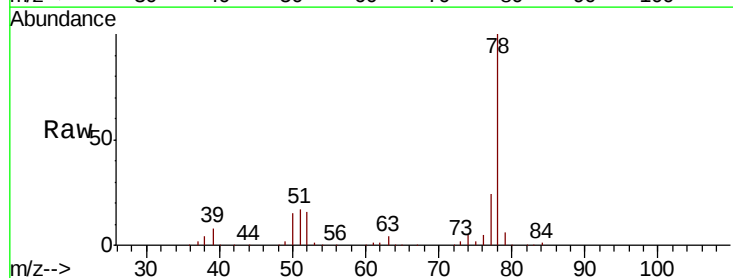
RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

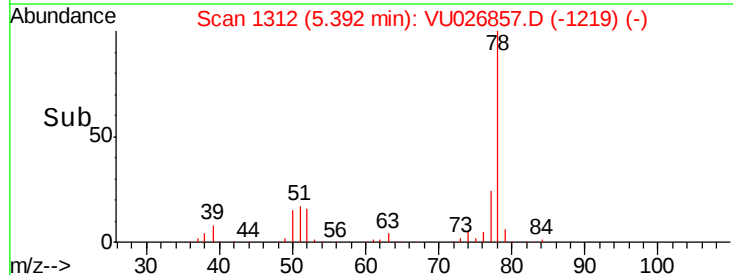
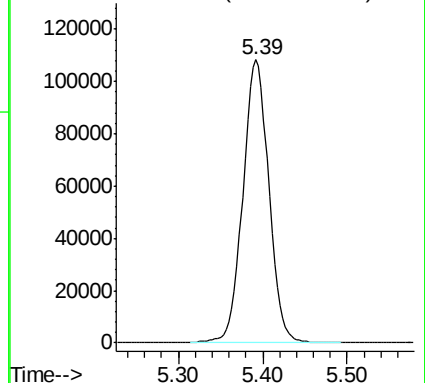
Lab File: VU026857.D

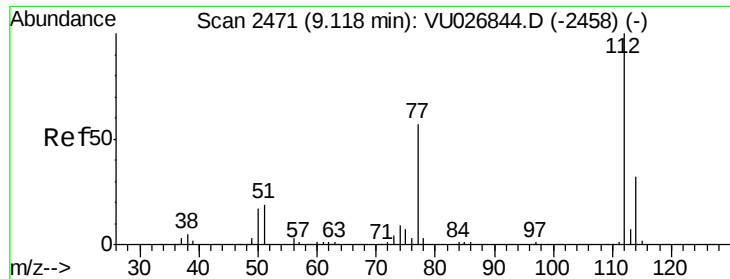
Acq: 18 Sep 2018 13:18

Tgt Ion: 78 Resp: 233314



Abundance Ion 78.00 (77.70 to 78.70): VU0

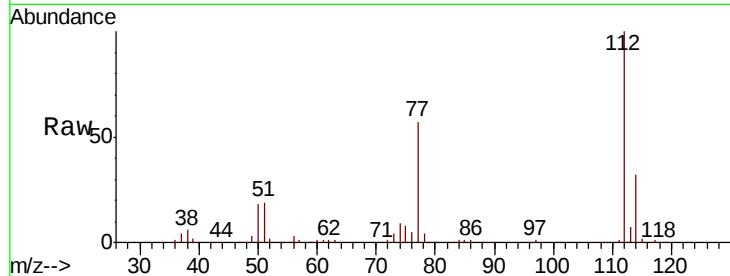




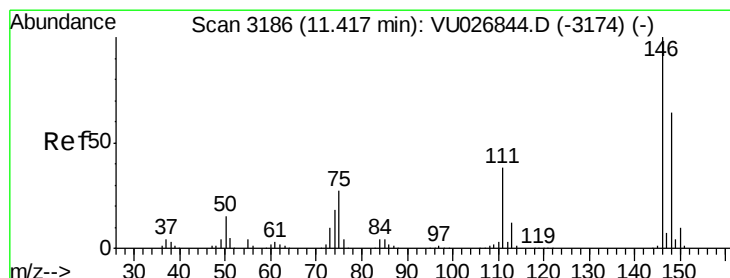
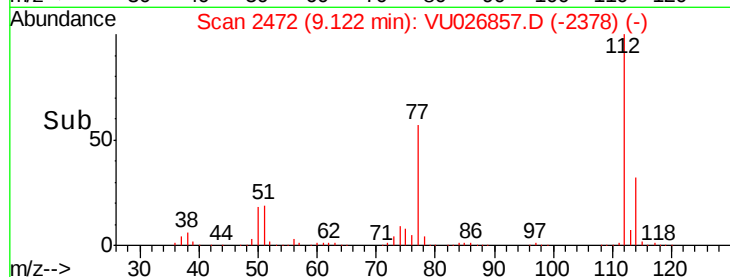
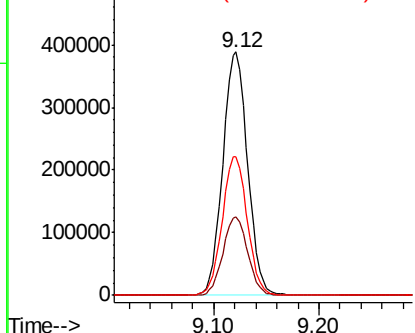
#51
Chlorobenzene
Concen: 128.463 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026857.D
Acq: 18 Sep 2018 13:18

Instrument :
MSVOA_U
ClientSampled :
C08L0

Tot Ion:112 Resp: 632520
Ion Ratio Lower Upper
112 100
114 32.3 22.3 41.5
77 57.2 45.1 67.7

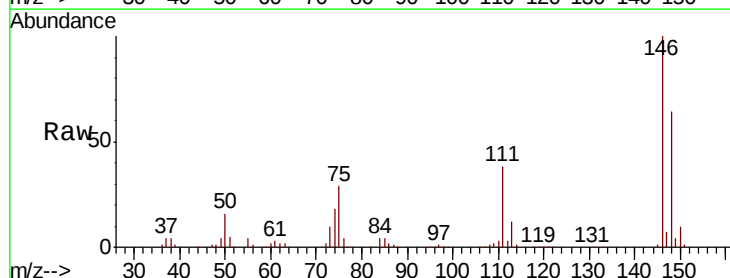


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

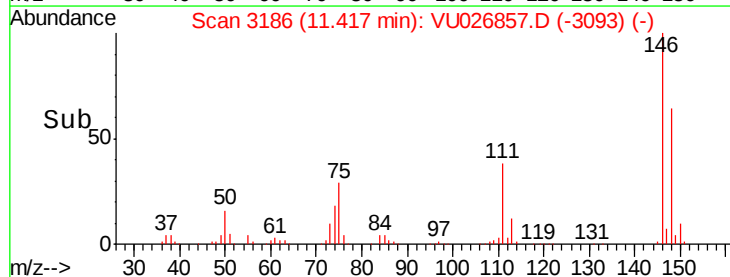
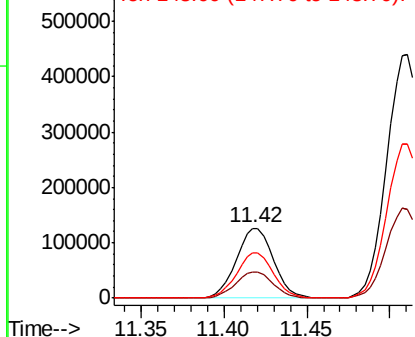


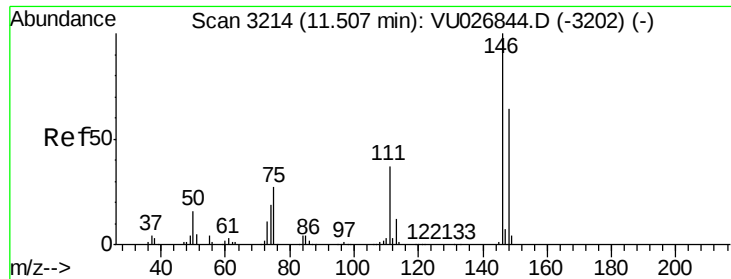
#62
1,3-Dichlorobenzene
Concen: 54.940 ug/L
RT: 11.42 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VU026857.D
Acq: 18 Sep 2018 13:18

Tgt Ion:146 Resp: 196235
Ion Ratio Lower Upper
146 100
111 37.9 26.7 49.7
148 64.2 44.9 83.5



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

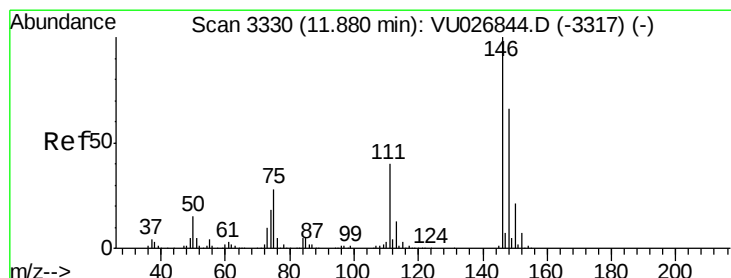
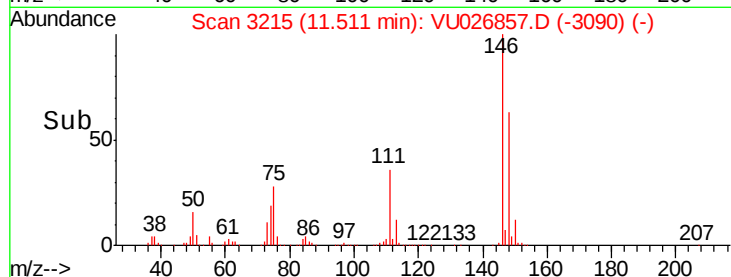
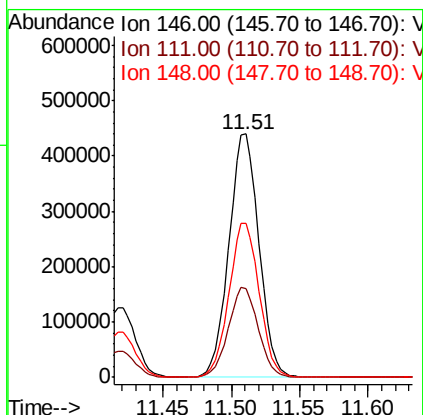
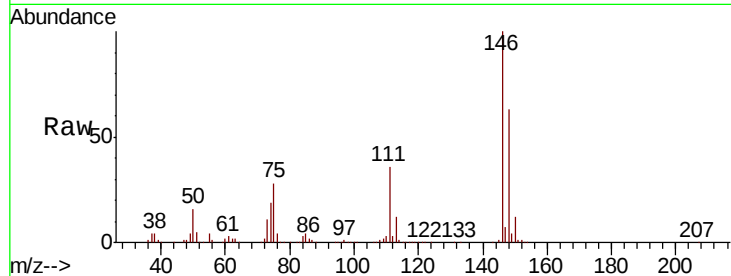




#63
 1,4-Dichlorobenzene
 Concen: 170.669 ug/L
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU026857.D
 Acq: 18 Sep 2018 13:18

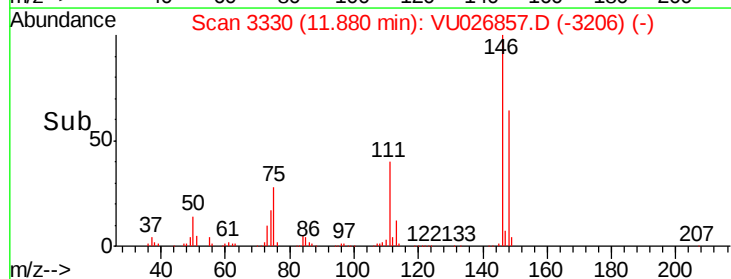
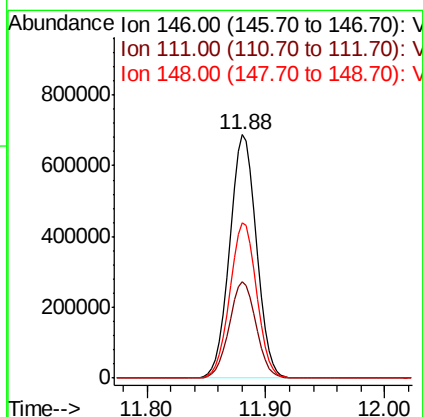
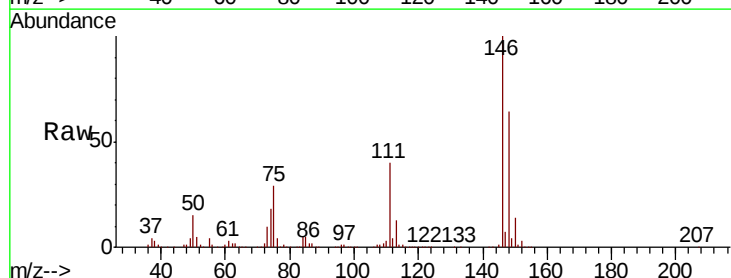
Instrument :
 MSVOA_U
 ClientSampled :
 C08L0

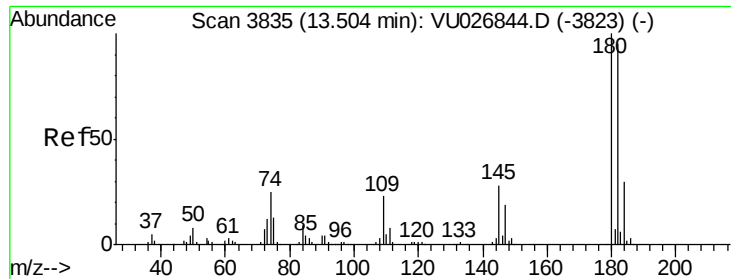
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	26.0	48.2
148	63.3	45.8	85.2



#65
 1,2-Dichlorobenzene
 Concen: 270.742 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026857.D
 Acq: 18 Sep 2018 13:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	31.4	47.0
148	63.9	51.4	77.2

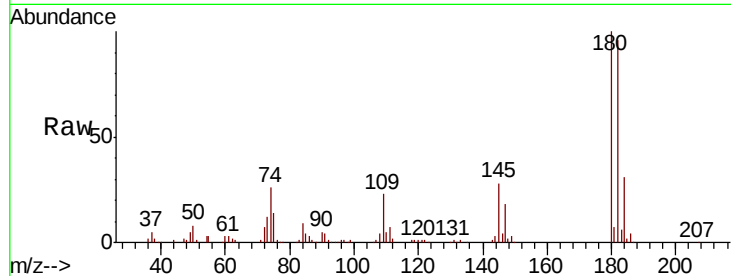




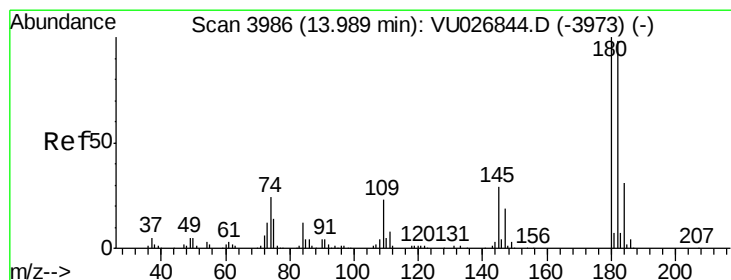
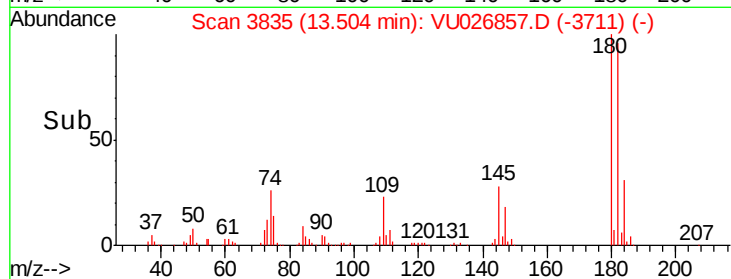
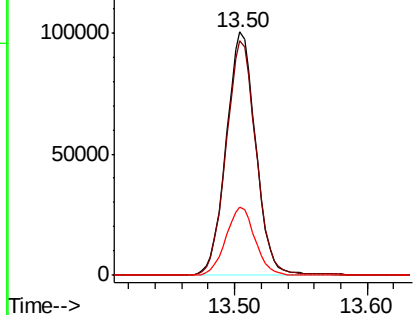
#68
 1,2,4-trichlorobenzene
 Concen: 65.192 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026857.D
 Acq: 18 Sep 2018 13:18

Instrument :
 MSVOA_U
 ClientSampleId :
 C08L0

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.8	115.2
145	27.8	22.2	33.2

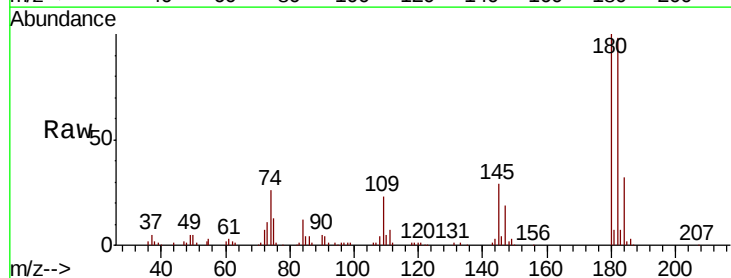


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 36.012 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026857.D
 Acq: 18 Sep 2018 13:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.6	113.4
145	29.5	23.8	35.6



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

