

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081318\
 Data File : VU026082.D
 Acq On : 13 Aug 2018 21:05
 Operator : MD/SY
 Sample : J4451-01 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 14 02:20:39 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	276183	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	262463	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	116439	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	79642	39.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.90%
7) Chloroethane-d5	1.68	69	68008	42.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.98%
11) 1,1-Dichloroethene-d2	2.27	63	121629	31.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.42%
21) 2-Butanone-d5	4.18	46	140763	83.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.66%
24) Chloroform-d	4.65	84	176012	41.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.24%
26) 1,2-Dichloroethane-d4	5.31	65	127034	43.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.86%
32) Benzene-d6	5.35	84	354222	43.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.92%
36) 1,2-Dichloropropane-d6	6.33	67	116849	44.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.62%
41) Toluene-d8	7.57	98	319667	41.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.00%
43) trans-1,3-Dichloropropene-	7.85	79	55353	41.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.32%
47) 2-Hexanone-d5	8.31	63	96773	80.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.79%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	147550	38.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	76.52%
64) 1,2-Dichlorobenzene-d4	11.86	152	132704	46.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.46%

Target Compounds

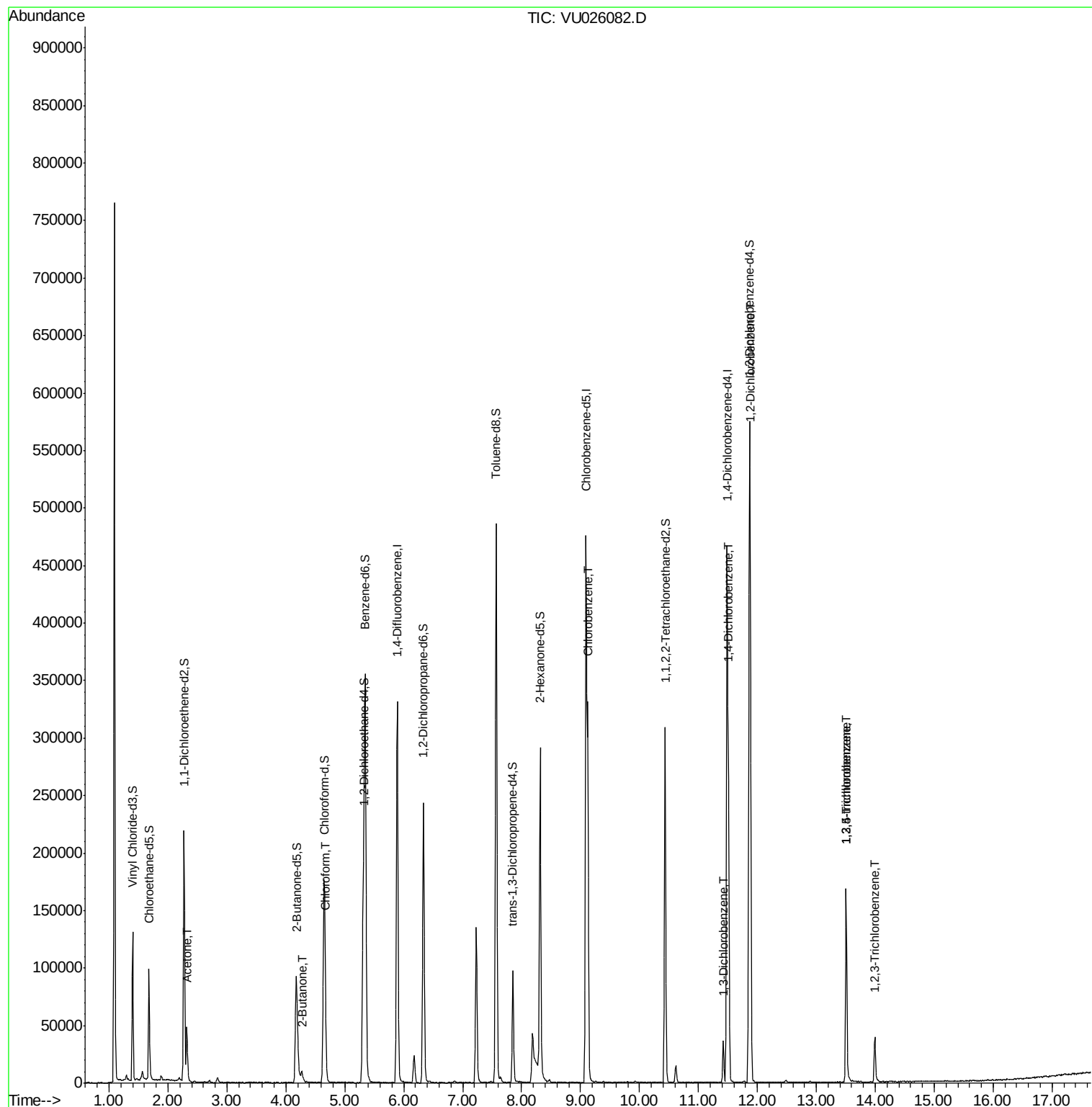
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	45508	43.539	ug/L	100
22) 2-Butanone	4.27	43	12621	8.345	ug/L	99
25) Chloroform	4.68	83	10391	2.896	ug/L	88
51) Chlorobenzene	9.12	112	169192	31.624	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	15439	4.259	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	88972	23.413	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	126772	32.855	ug/L	98
67) 1,3,5-Trichlorobenzene	13.51	180	57964	21.395	ug/L	97
68) 1,2,4-trichlorobenzene	13.51	180	57964	25.300	ug/L	96
70) 1,2,3-Trichlorobenzene	13.99	180	15118	6.139	ug/L	98

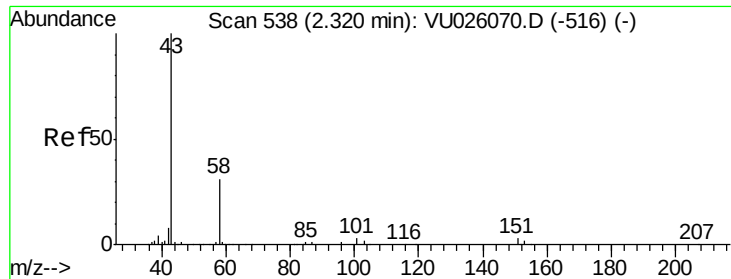
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#13

Acetone

Concen: 43.539 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026082.D

Acq: 13 Aug 2018 21:05

Instrument :

MSVOA_U

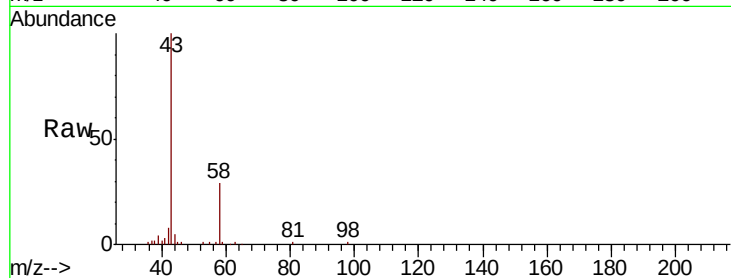
ClientSampleId :

Tot Ion: 43 Resp: 45508

Ion Ratio Lower Upper

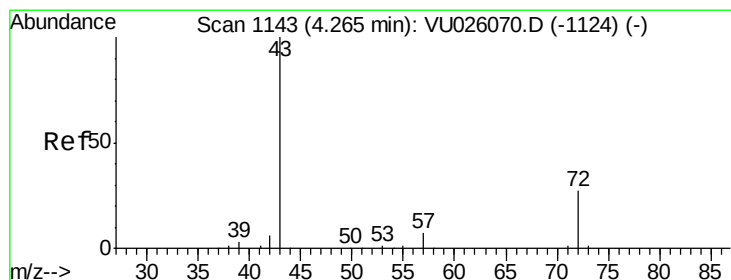
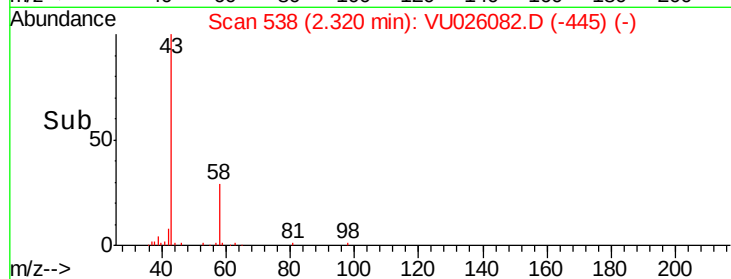
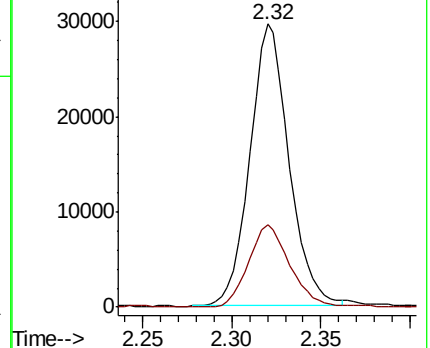
43 100

58 30.8 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#22

2-Butanone

Concen: 8.345 ug/L

RT: 4.27 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VU026082.D

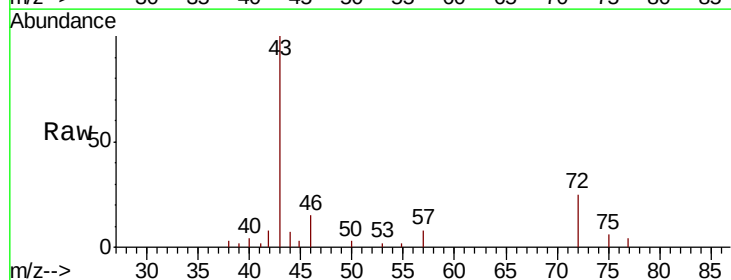
Acq: 13 Aug 2018 21:05

Tgt Ion: 43 Resp: 12621

Ion Ratio Lower Upper

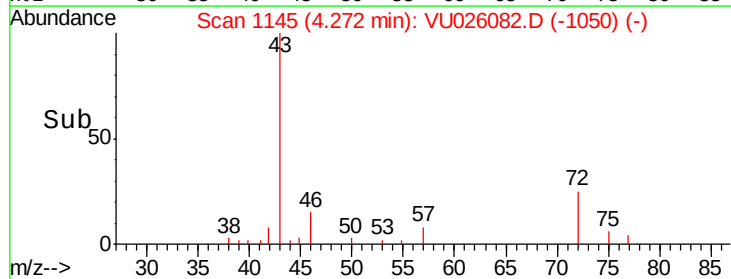
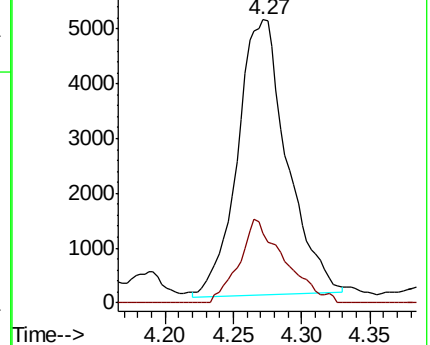
43 100

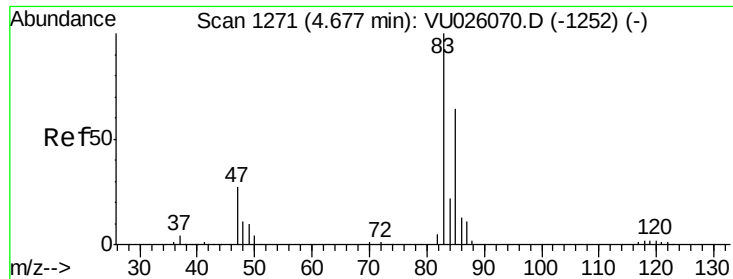
72 27.3 13.5 40.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

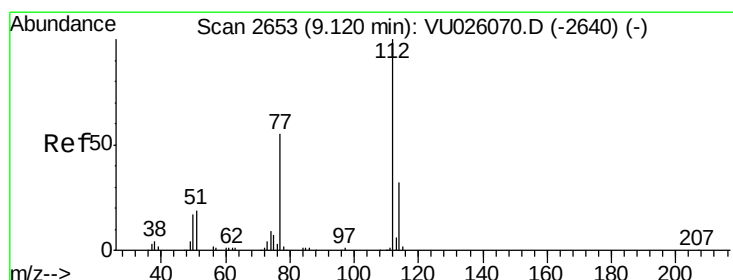
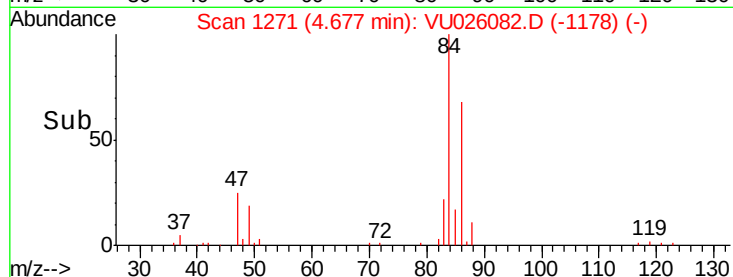
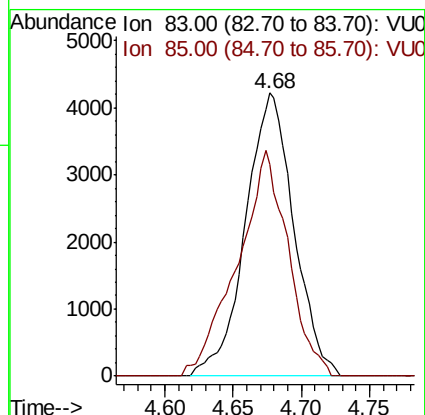
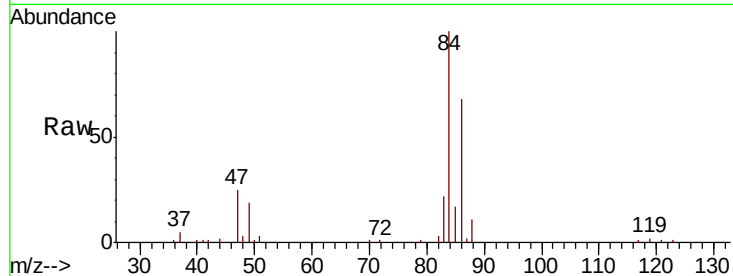




#25
Chloroform
Concen: 2.896 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU026082.D
Acq: 13 Aug 2018 21:05

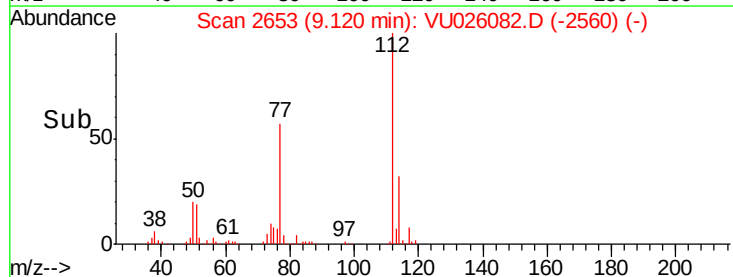
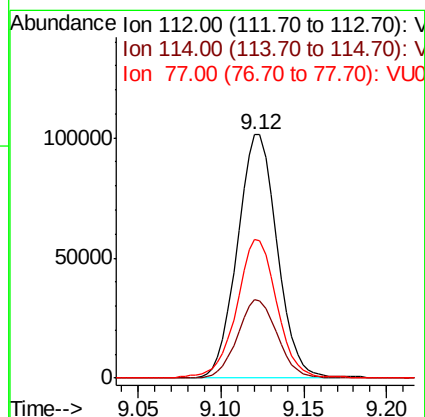
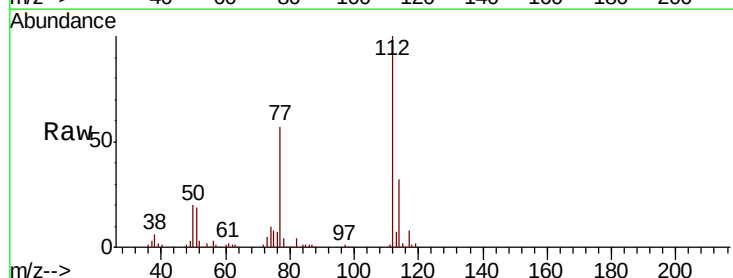
Instrument :
MSVOA_U
ClientSampled :

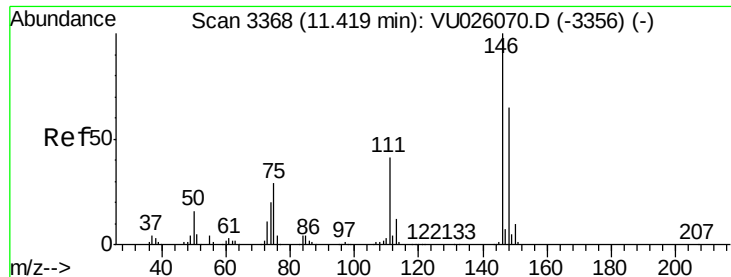
Tot Ion: 83 Resp: 10391
Ion Ratio Lower Upper
83 100
85 75.0 45.9 85.3



#51
Chlorobenzene
Concen: 31.624 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU026082.D
Acq: 13 Aug 2018 21:05

Tgt Ion: 112 Resp: 169192
Ion Ratio Lower Upper
112 100
114 32.0 22.7 42.3
77 57.1 45.2 67.8

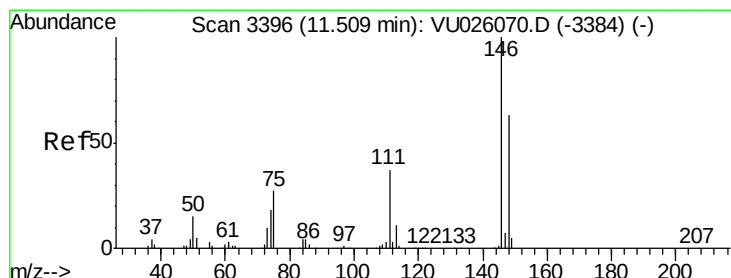
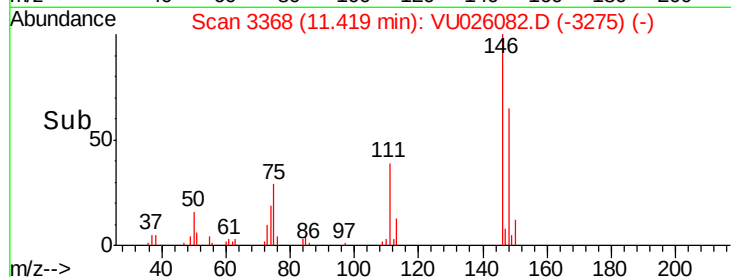
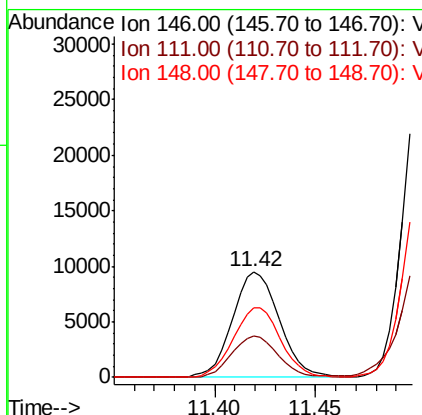
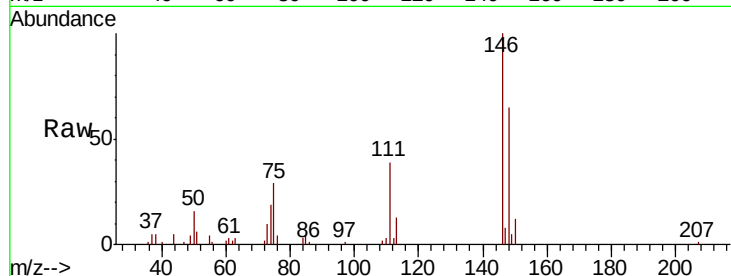




#62
 1,3-Dichlorobenzene
 Concen: 4.259 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU026082.D
 Acq: 13 Aug 2018 21:05

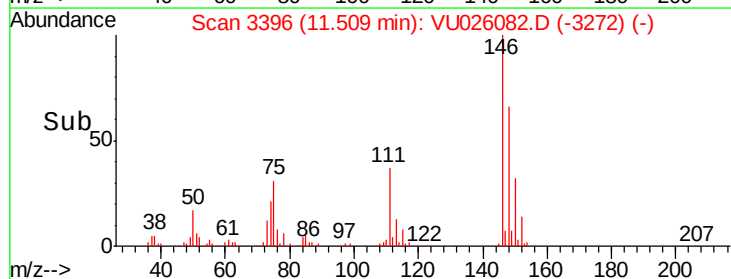
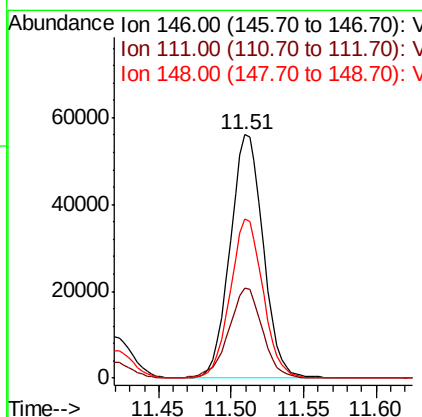
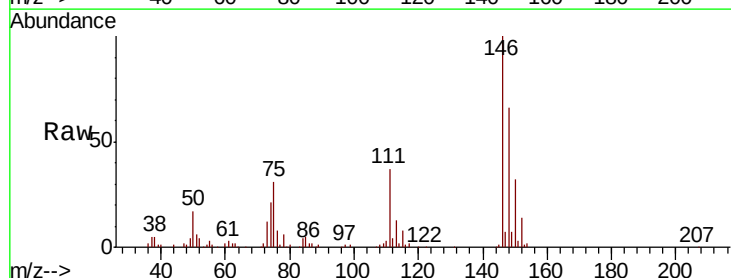
Instrument :
 MSVOA_U
 ClientSampled :

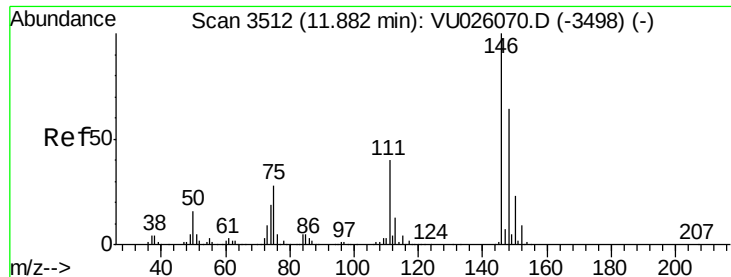
Tot Ion	146	Resp	15439
Ion Ratio	Lower	Upper	
146	100		
111	39.3	27.9	51.9
148	65.4	46.0	85.4



#63
 1,4-Dichlorobenzene
 Concen: 23.413 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU026082.D
 Acq: 13 Aug 2018 21:05

Tgt Ion	146	Resp	88972
Ion Ratio	Lower	Upper	
146	100		
111	37.1	26.4	49.0
148	65.5	43.8	81.4

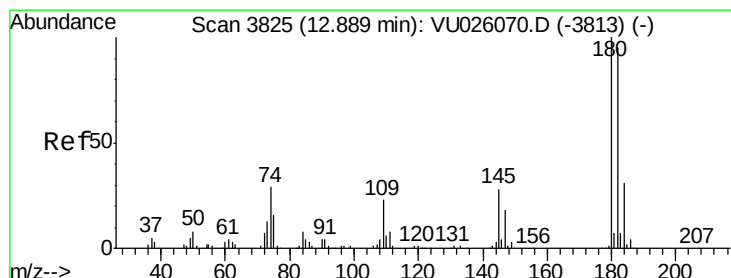
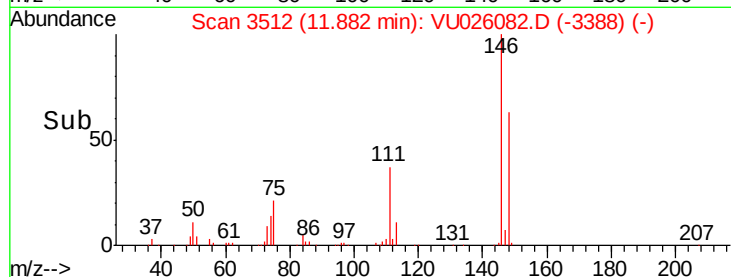
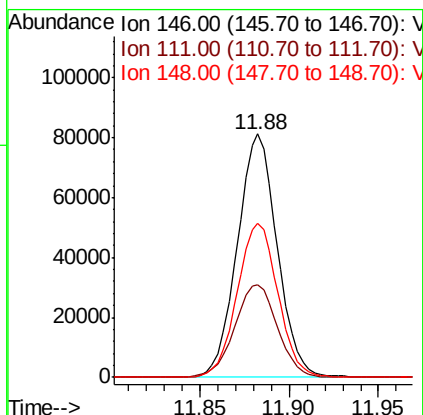
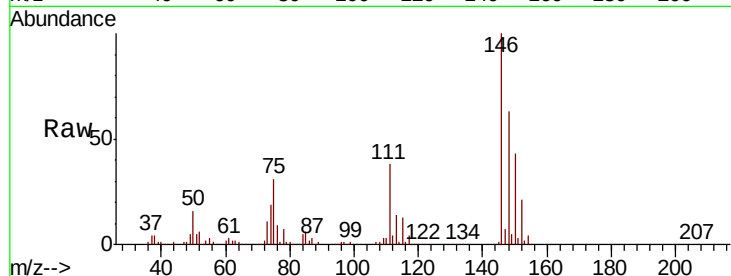




#65
 1,2-Dichlorobenzene
 Concen: 32.855 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026082.D
 Acq: 13 Aug 2018 21:05

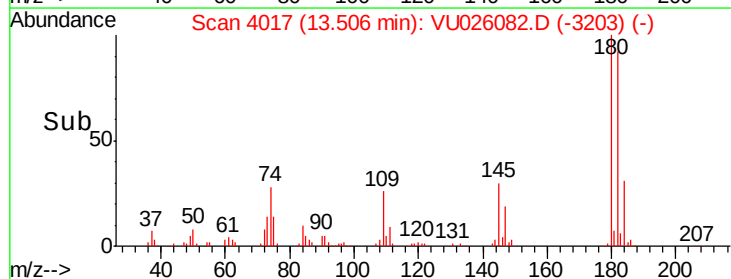
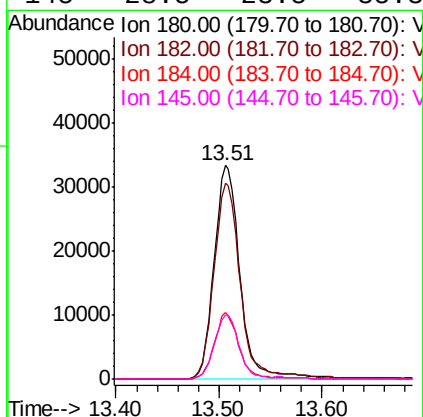
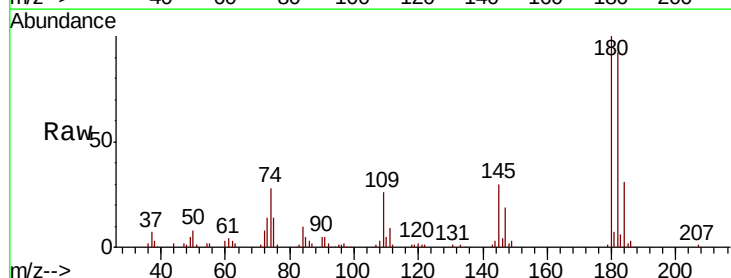
Instrument :
 MSVOA_U
 ClientSampled :

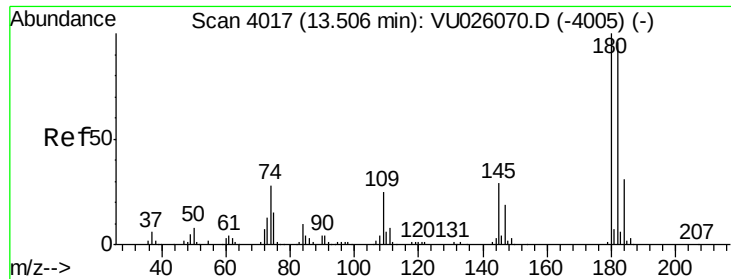
Tot Ion:146 Resp: 126772
 Ion Ratio Lower Upper
 146 100
 111 37.9 32.4 48.6
 148 63.4 50.1 75.1



#67
 1,3,5-Trichlorobenzene
 Concen: 21.395 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.62 min
 Lab File: VU026082.D
 Acq: 13 Aug 2018 21:05

Tgt Ion:180 Resp: 57964
 Ion Ratio Lower Upper
 180 100
 182 91.4 76.5 114.7
 184 29.1 24.3 36.5
 145 28.5 23.5 35.3

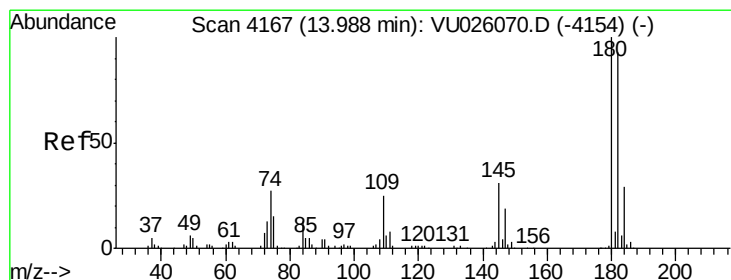
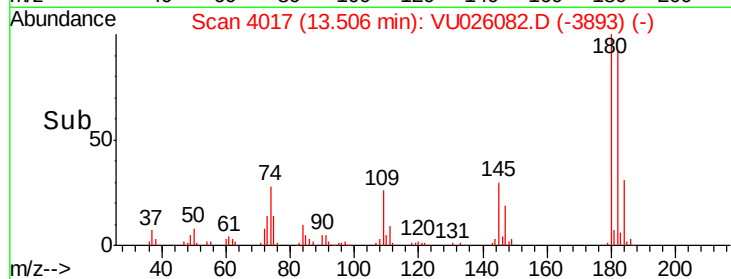
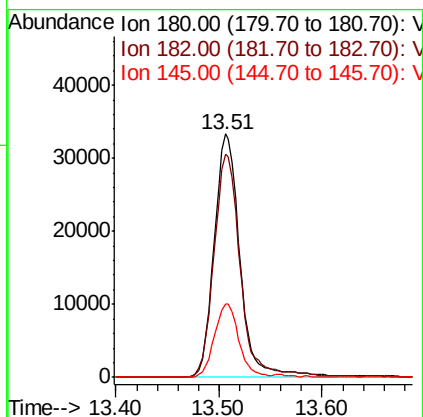
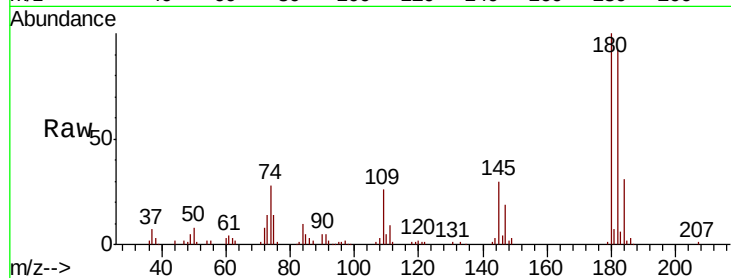




#68
 1,2,4-trichlorobenzene
 Concen: 25.300 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026082.D
 Acq: 13 Aug 2018 21:05

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 57964
 Ion Ratio Lower Upper
 180 100
 182 91.4 76.5 114.7
 145 28.5 24.2 36.4



#70
 1,2,3-Trichlorobenzene
 Concen: 6.139 ug/L
 RT: 13.99 min Scan# 4167
 Delta R.T. 0.00 min
 Lab File: VU026082.D
 Acq: 13 Aug 2018 21:05

Tgt Ion:180 Resp: 15118
 Ion Ratio Lower Upper
 180 100
 182 92.8 76.5 114.7
 145 30.6 24.7 37.1

