

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081018\
 Data File : VU026046.D
 Acq On : 10 Aug 2018 16:19
 Operator : MD/SY
 Sample : J4401-07DL 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZE7DL

Quant Time: Aug 11 01:35:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 11 00:58:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	286732	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	267069	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	120269	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	72475	34.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.16%
7) Chloroethane-d5	1.68	69	56019	33.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	67.42%#
11) 1,1-Dichloroethene-d2	2.27	63	106721	26.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.60%#
21) 2-Butanone-d5	4.18	46	96121	55.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	55.03%
24) Chloroform-d	4.65	84	137154	30.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	61.72%#
26) 1,2-Dichloroethane-d4	5.31	65	93391	31.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	62.22%#
32) Benzene-d6	5.35	84	269922	32.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	65.10%#
36) 1,2-Dichloropropane-d6	6.33	67	85366	31.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	63.62%#
41) Toluene-d8	7.57	98	244759	30.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	61.70%#
43) trans-1,3-Dichloropropene-	7.85	79	39246	29.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.06%#
47) 2-Hexanone-d5	8.31	63	63984	52.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	52.50%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	111834	28.50	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	57.00%#
64) 1,2-Dichlorobenzene-d4	11.86	152	92819	31.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	62.62%#

Target Compounds

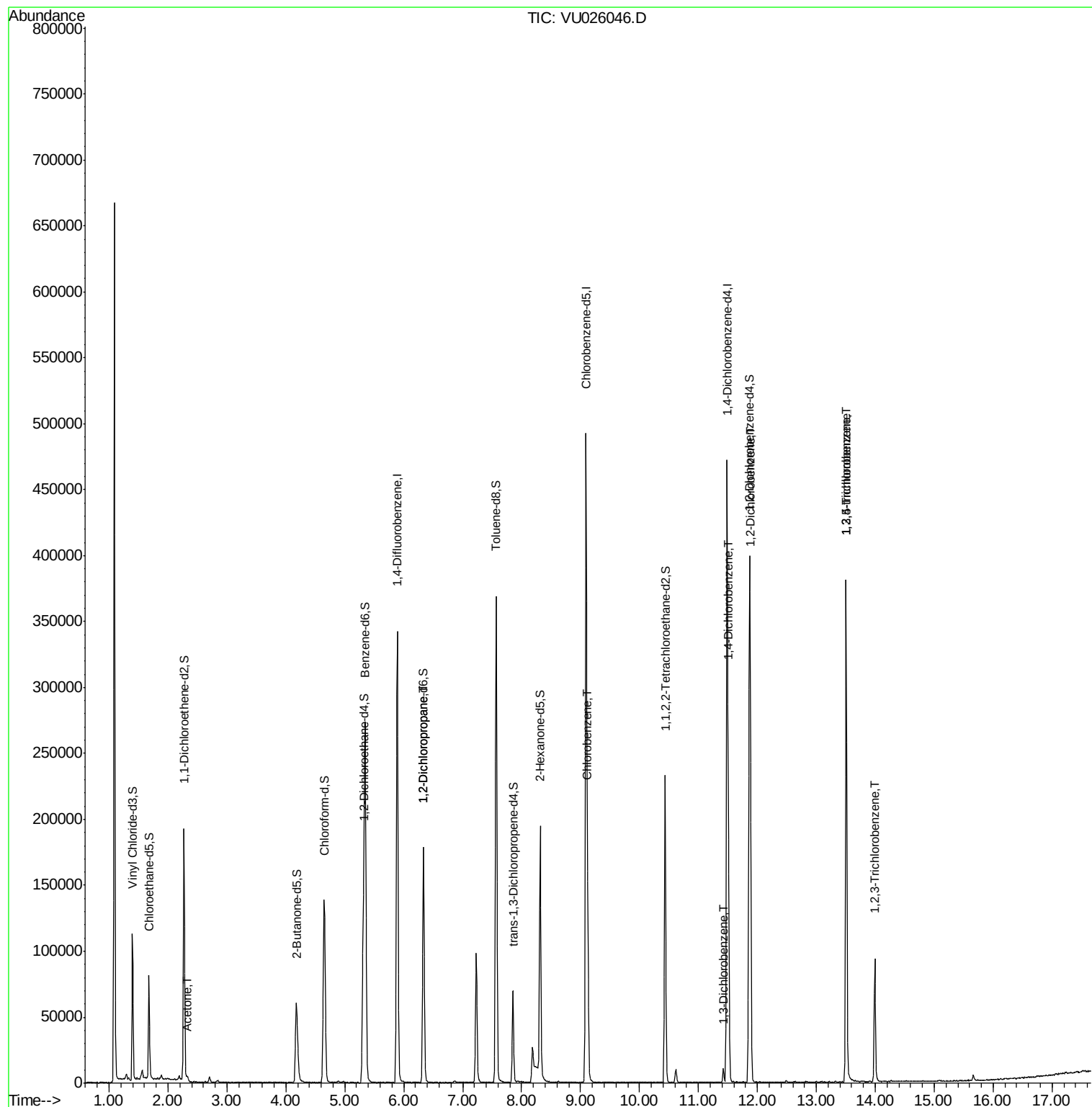
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	2371	2.185	ug/L	76
37) 1,2-Dichloropropane	6.34	63	9921	4.767	ug/L #	88
51) Chlorobenzene	9.12	112	71783	13.186	ug/L	96
62) 1,3-Dichlorobenzene	11.42	146	4866	1.300	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	57444	14.635	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	88794	22.280	ug/L	98
67) 1,3,5-Trichlorobenzene	13.51	180	119672	42.765	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	119672	50.571	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	31403	12.347	ug/L	98

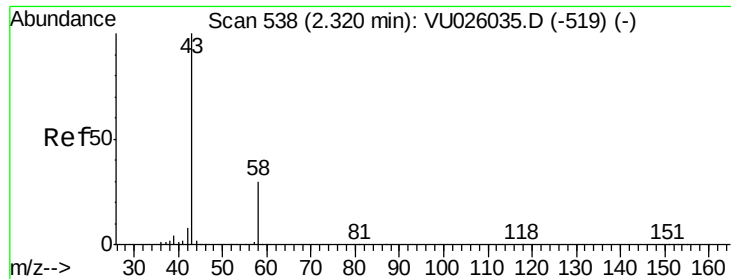
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Aug 11 00:58:27 2018
Response via : Initial Calibration





#13

Acetone

Concen: 2.185 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026046.D

Acq: 10 Aug 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

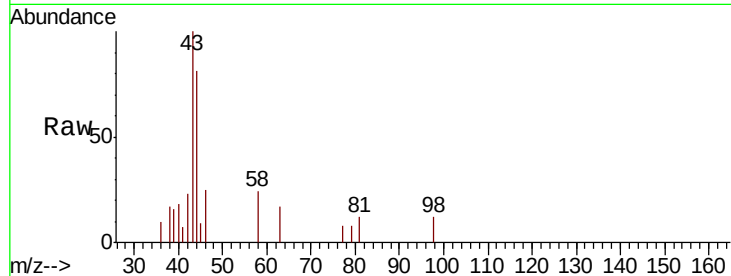
A4ZE7DL

Tot Ion: 43 Resp: 2371

Ion Ratio Lower Upper

43 100

58 17.9 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VU026035.D (-519) (-)

Ion 58.00 (57.70 to 58.70): VU026035.D (-519) (-)

2.32

1500

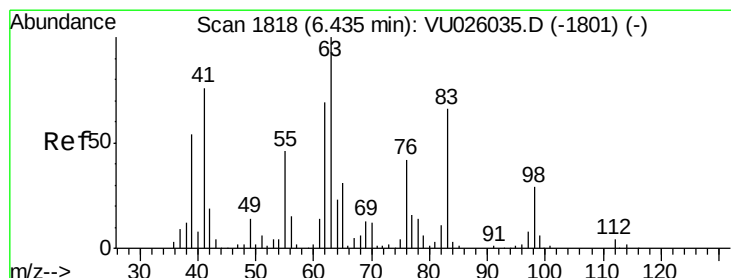
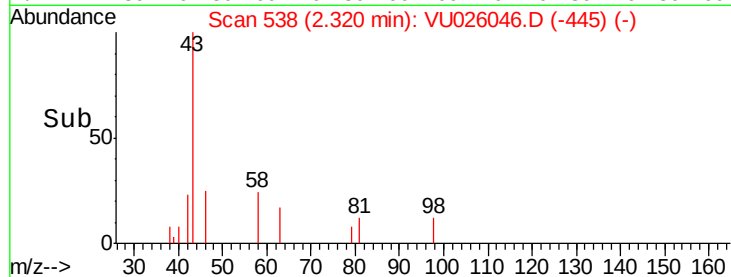
1000

500

0

2.30 2.35

Time-->



#37

1,2-Dichloropropane

Concen: 4.767 ug/L

RT: 6.34 min Scan# 1787

Delta R.T. -0.10 min

Lab File: VU026046.D

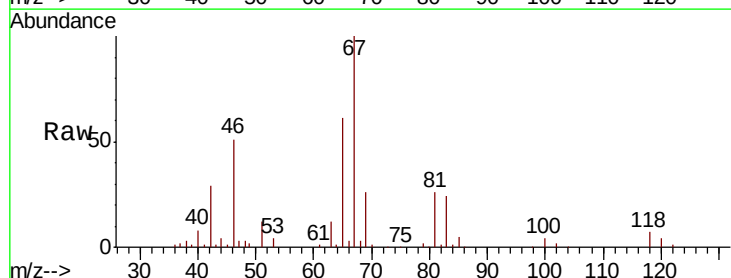
Acq: 10 Aug 2018 16:19

Tgt Ion: 63 Resp: 9921

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VU026035.D (-1801) (-)

Ion 112.00 (111.70 to 112.70): VU026035.D (-1801) (-)

6.34

5000

4000

3000

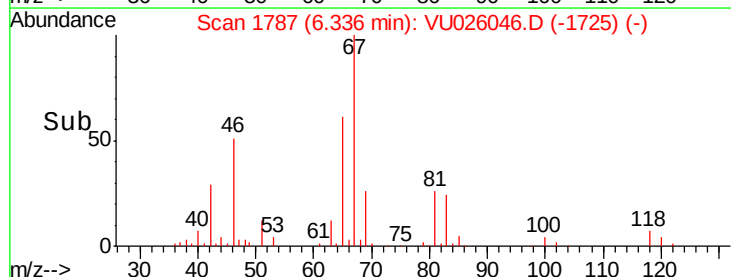
2000

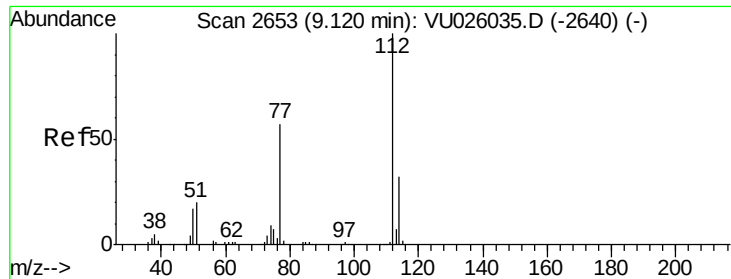
1000

0

6.30 6.35 6.40

Time-->





#51

Chlorobenzene

Concen: 13.186 ug/L

RT: 9.12 min Scan# 2653

Delta R.T. 0.00 min

Lab File: VU026046.D

Acq: 10 Aug 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

A4ZE7DL

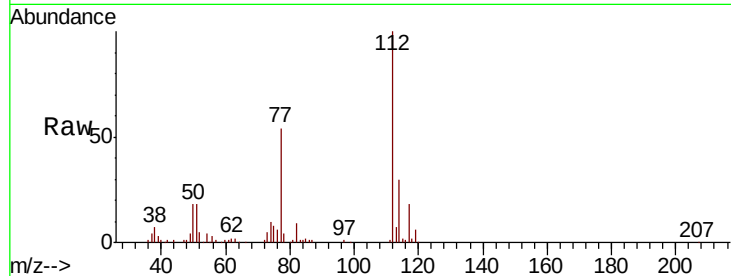
Tot Ion:112 Resp: 71783

Ion Ratio Lower Upper

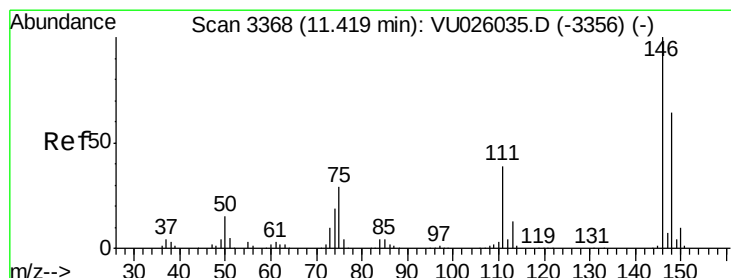
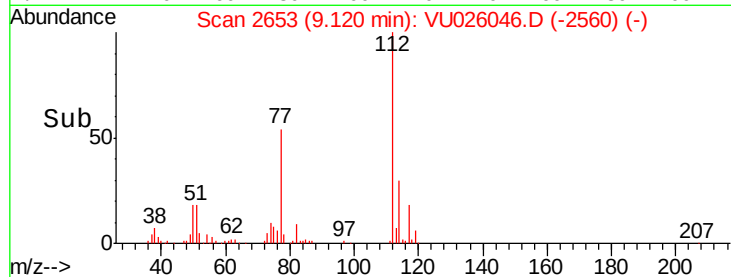
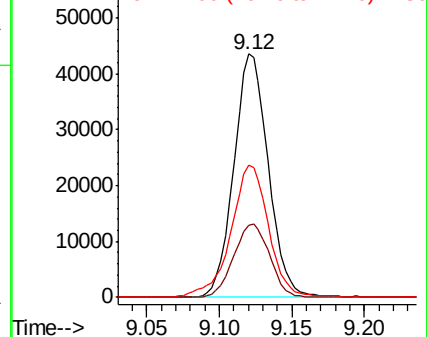
112 100

114 29.8 22.7 42.3

77 54.3 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: 1.300 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU026046.D

Acq: 10 Aug 2018 16:19

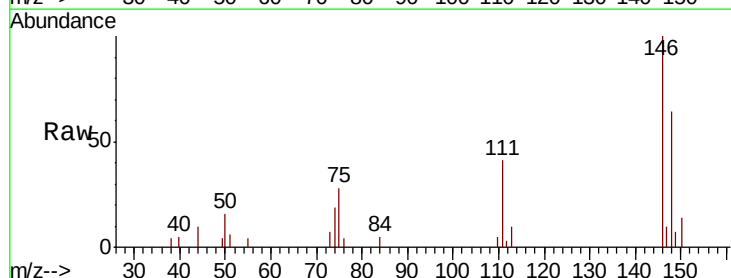
Tgt Ion:146 Resp: 4866

Ion Ratio Lower Upper

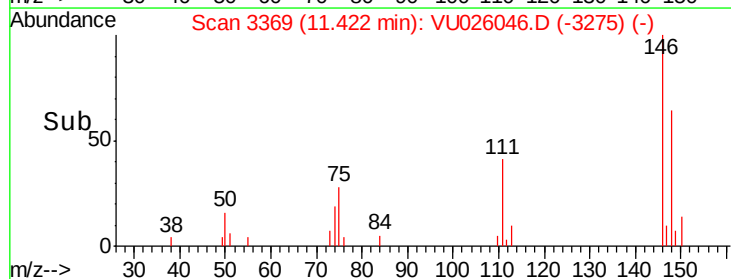
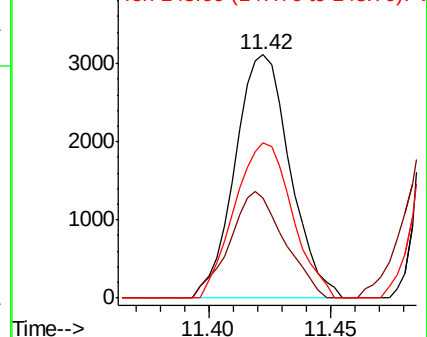
146 100

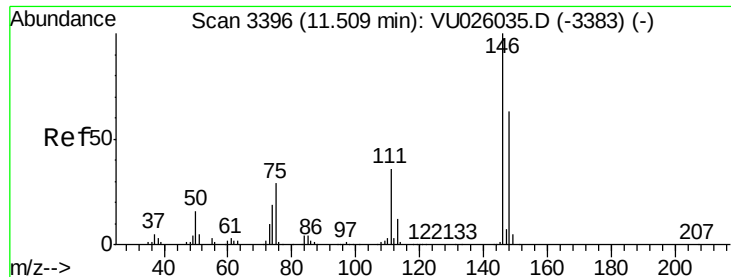
111 41.0 27.9 51.9

148 63.9 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

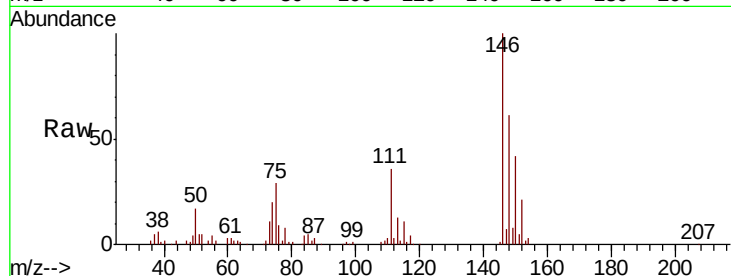




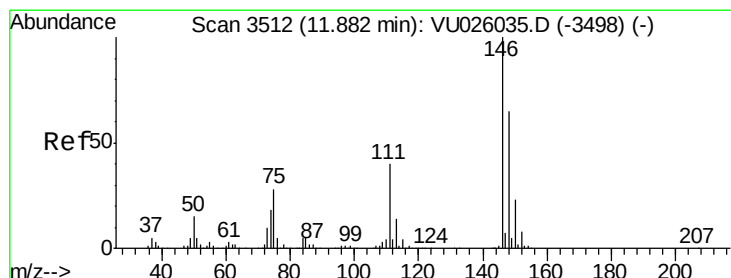
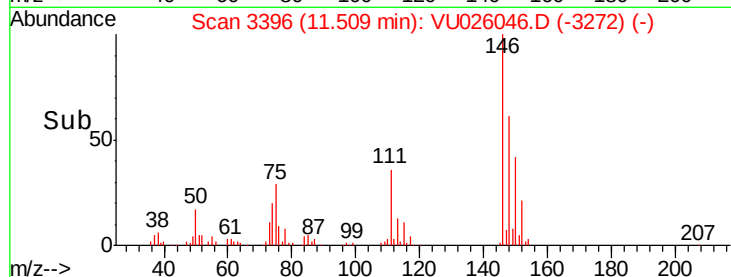
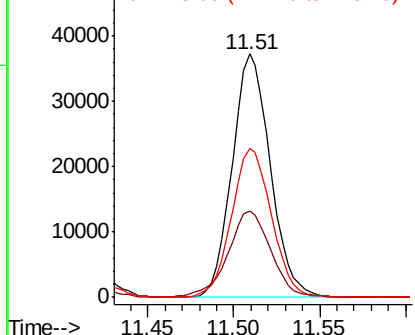
#63
 1,4-Dichlorobenzene
 Concen: 14.635 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU026046.D
 Acq: 10 Aug 2018 16:19

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZE7DL

Tot Ion:146 Resp: 57444
 Ion Ratio Lower Upper
 146 100
 111 35.6 26.4 49.0
 148 61.4 43.8 81.4

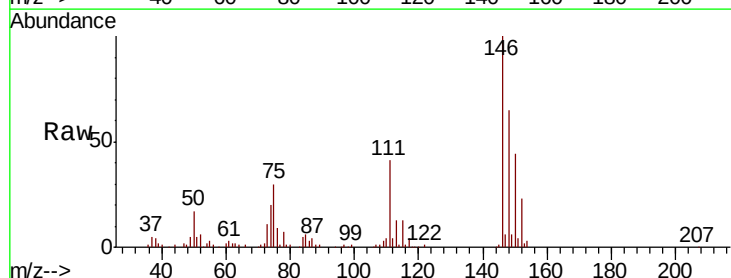


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

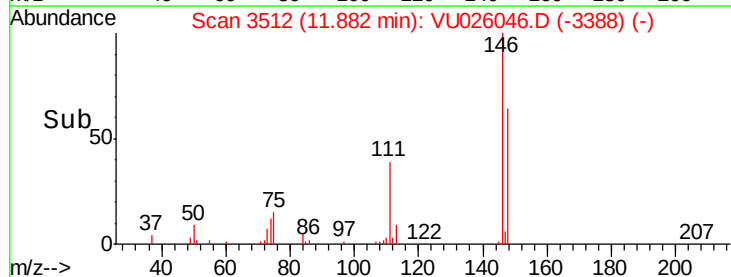
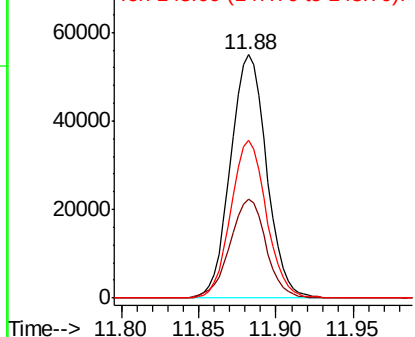


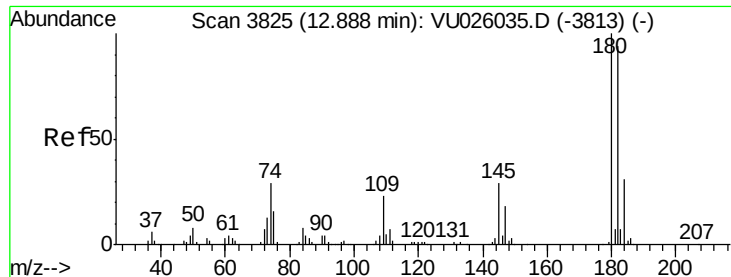
#65
 1,2-Dichlorobenzene
 Concen: 22.280 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026046.D
 Acq: 10 Aug 2018 16:19

Tgt Ion:146 Resp: 88794
 Ion Ratio Lower Upper
 146 100
 111 40.6 32.4 48.6
 148 64.9 50.1 75.1



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

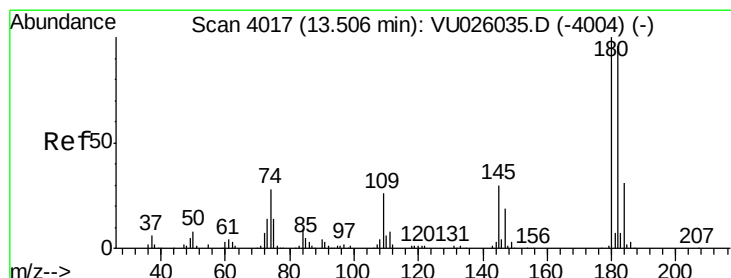
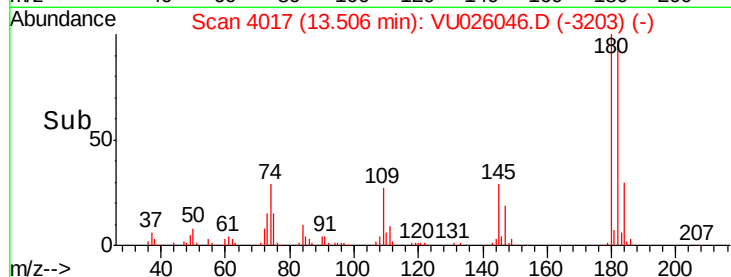
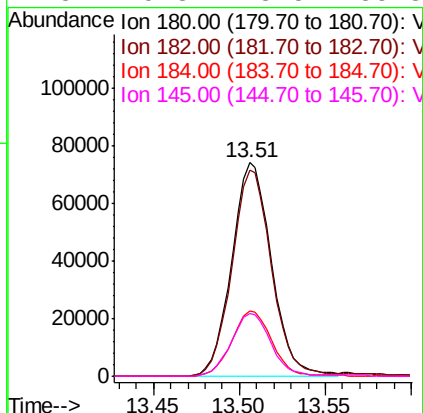
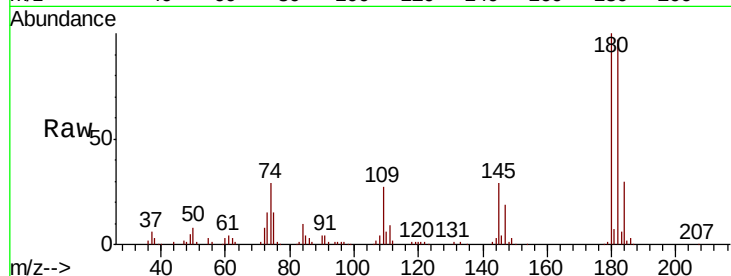




#67
 1,3,5-Trichlorobenzene
 Concen: 42.765 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.62 min
 Lab File: VU026046.D
 Acq: 10 Aug 2018 16:19

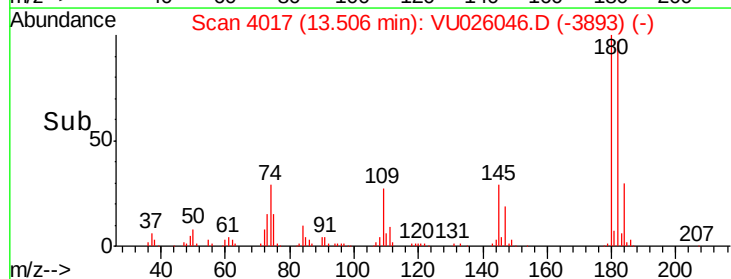
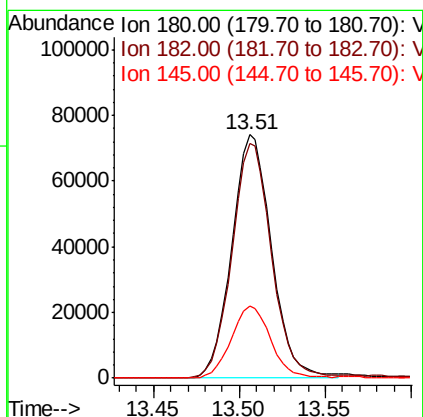
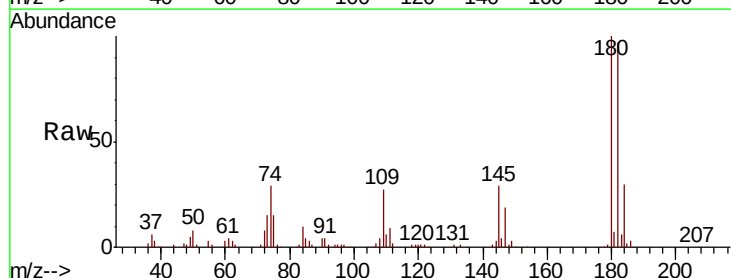
Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZE7DL

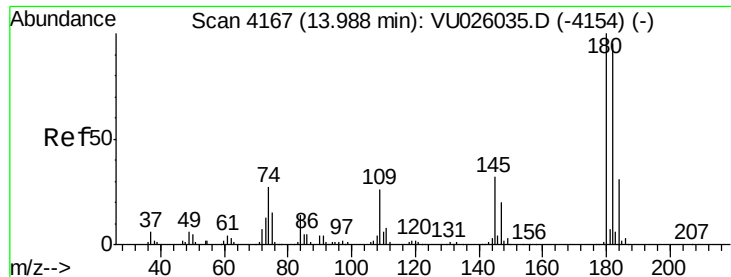
Tot Ion	180	Resp	119672
Ion Ratio	Lower	Upper	
180	100		
182	95.7	76.5	114.7
184	31.0	24.3	36.5
145	29.3	23.5	35.3



#68
 1,2,4-trichlorobenzene
 Concen: 50.571 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026046.D
 Acq: 10 Aug 2018 16:19

Tgt Ion	180	Resp	119672
Ion Ratio	Lower	Upper	
180	100		
182	95.7	76.5	114.7
145	29.3	24.2	36.4

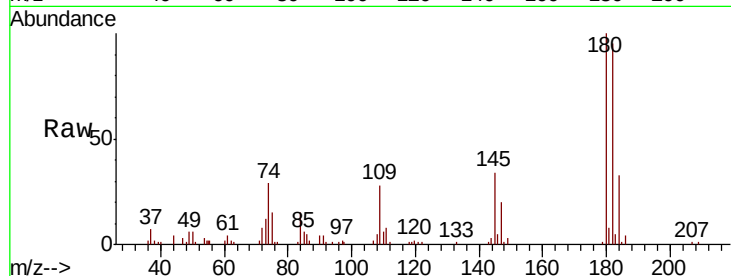




#70
 1,2,3-Trichlorobenzene
 Concen: 12.347 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU026046.D
 Acq: 10 Aug 2018 16:19

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZE7DL

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	93.4	76.5	114.7	
145	31.5	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

