

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081018\
 Data File : VU026045.D
 Acq On : 10 Aug 2018 15:55
 Operator : MD/SY
 Sample : J4361-24DL 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA7DL

Quant Time: Aug 11 01:35:49 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	280070	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	261790	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	120572	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	74519	36.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.80%
7) Chloroethane-d5	1.67	69	55811	34.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	68.78%#
11) 1,1-Dichloroethene-d2	2.27	63	108643	27.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.86%#
21) 2-Butanone-d5	4.18	46	99505	58.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	58.32%
24) Chloroform-d	4.65	84	140632	32.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	64.78%#
26) 1,2-Dichloroethane-d4	5.31	65	93043	31.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	63.46%#
32) Benzene-d6	5.34	84	274099	33.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	67.44%#
36) 1,2-Dichloropropane-d6	6.33	67	84839	32.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	64.50%#
41) Toluene-d8	7.57	98	251160	32.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	64.58%#
43) trans-1,3-Dichloropropene-	7.85	79	39821	30.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.10%
47) 2-Hexanone-d5	8.31	63	66534	55.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	55.69%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	113172	29.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	58.84%#
64) 1,2-Dichlorobenzene-d4	11.86	152	97953	32.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	65.92%#

Target Compounds

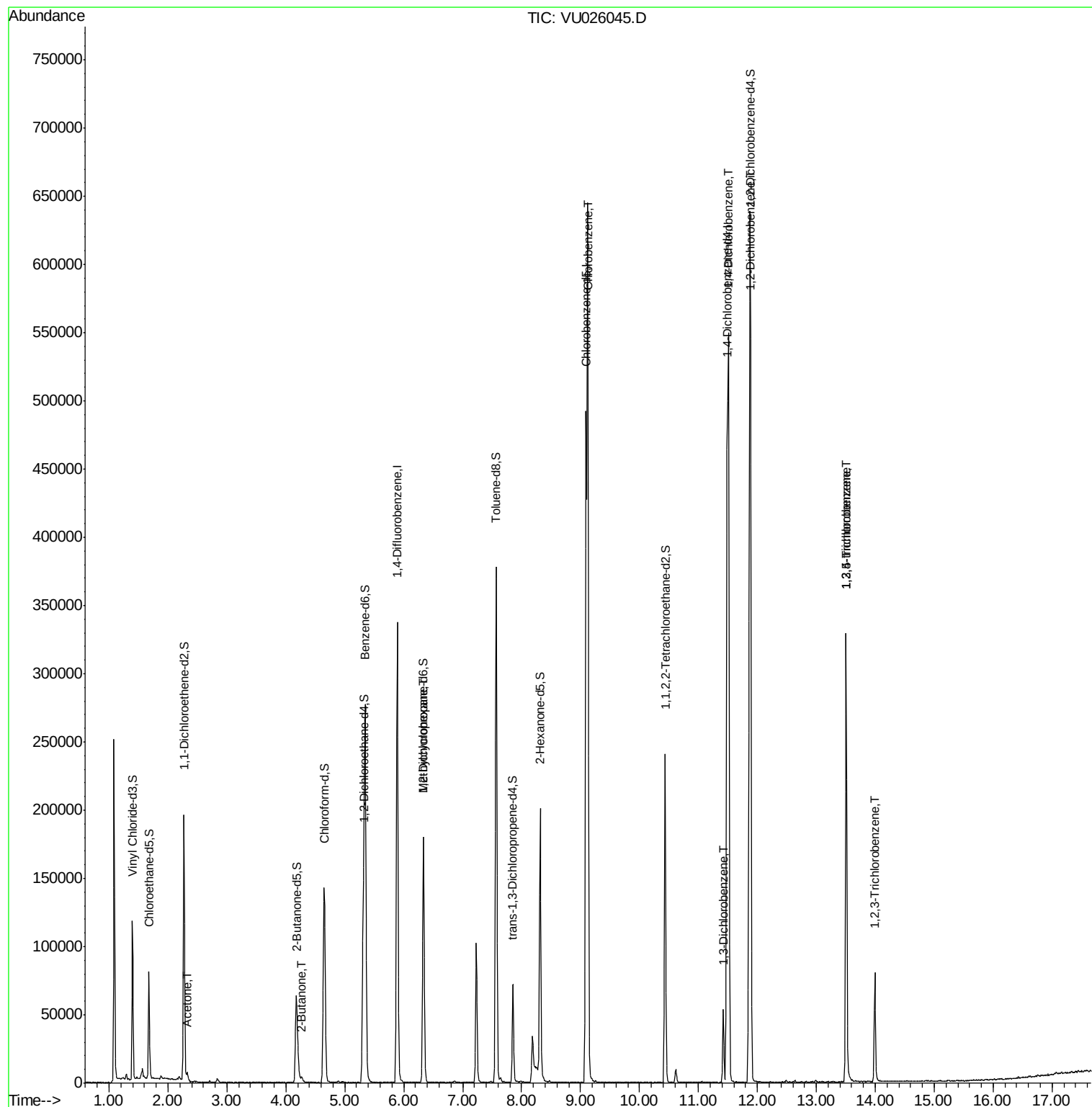
					Ovalue
13) Acetone	2.32	43	5610	5.293	ug/L 99
22) 2-Butanone	4.27	43	1862	1.214	ug/L 83
35) Methylcyclohexane	6.33	83	20707	6.962	ug/L # 19
51) Chlorobenzene	9.12	112	336932	63.139	ug/L 99
62) 1,3-Dichlorobenzene	11.42	146	22144	5.899	ug/L 94
63) 1,4-Dichlorobenzene	11.51	146	202067	51.352	ug/L 99
65) 1,2-Dichlorobenzene	11.88	146	221538	55.447	ug/L 98
67) 1,3,5-Trichlorobenzene	13.51	180	104600	37.285	ug/L 97
68) 1,2,4-trichlorobenzene	13.51	180	104600	44.091	ug/L 97
70) 1,2,3-Trichlorobenzene	13.99	180	25216	9.889	ug/L 93

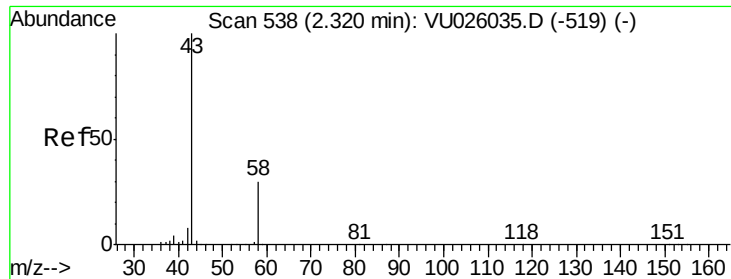
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#13

Acetone

Concen: 5.293 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026045.D

Acq: 10 Aug 2018 15:55

Instrument :

MSVOA_U

ClientSampleId :

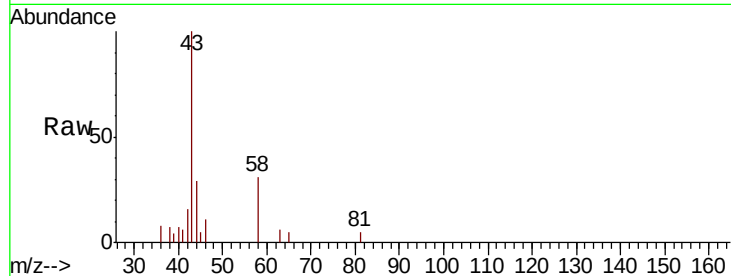
A4ZA7DL

Tot Ion: 43 Resp: 5610

Ion Ratio Lower Upper

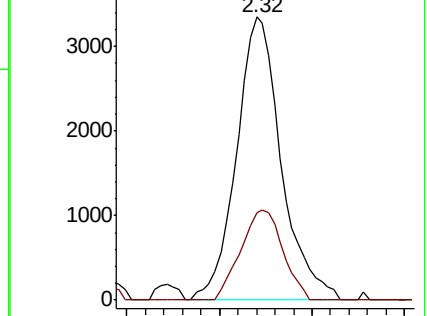
43 100

58 30.1 0.0 61.8

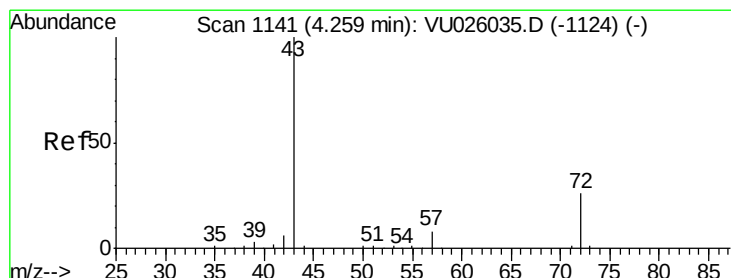
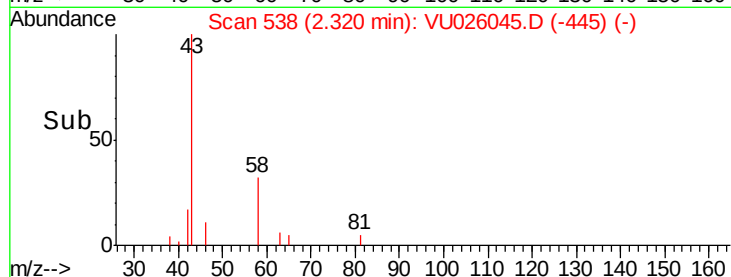


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



Time-->



#22

2-Butanone

Concen: 1.214 ug/L

RT: 4.27 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VU026045.D

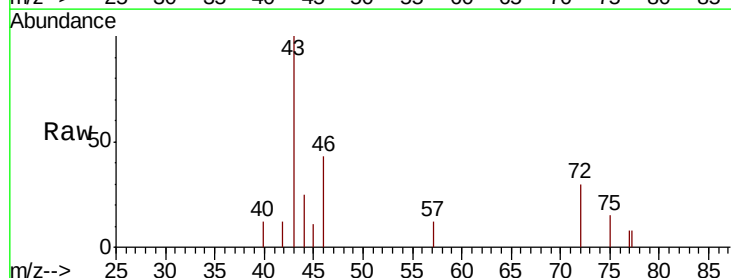
Acq: 10 Aug 2018 15:55

Tgt Ion: 43 Resp: 1862

Ion Ratio Lower Upper

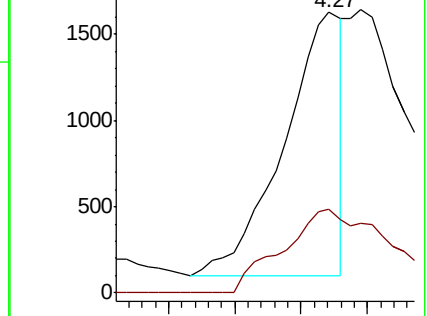
43 100

72 35.8 13.5 40.5

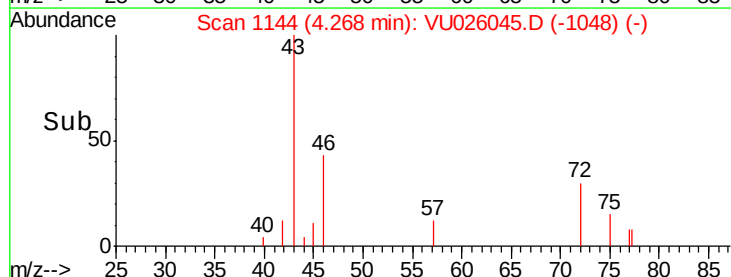


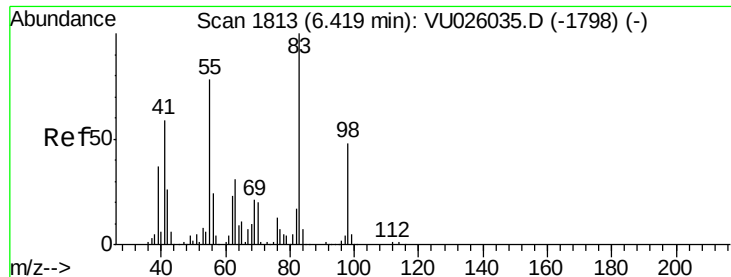
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



Time-->

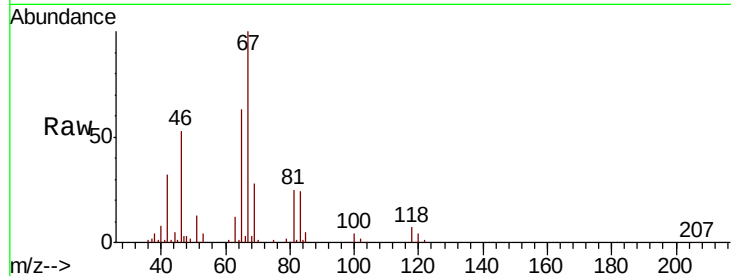




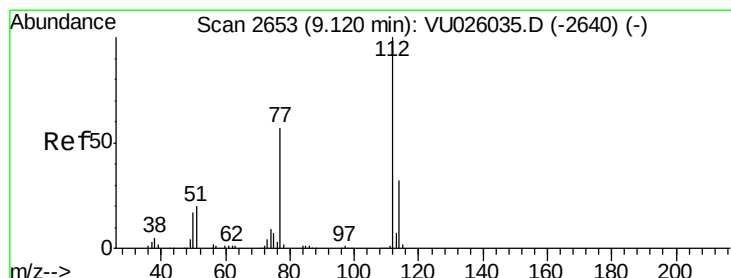
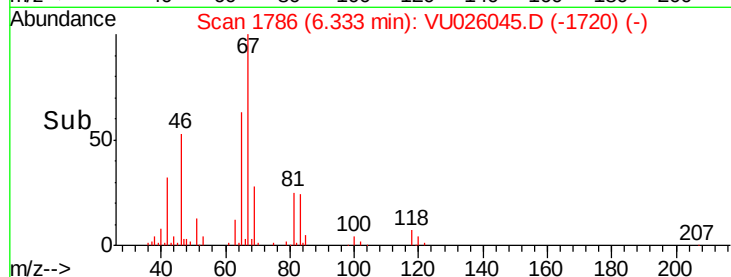
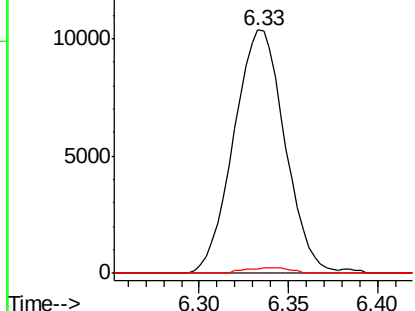
#35
Methylvlcyclohexane
Concen: 6.962 ug/L
RT: 6.33 min Scan# 1786
Delta R.T. -0.09 min
Lab File: VU026045.D
Acq: 10 Aug 2018 15:55

Instrument :
MSVOA_U
ClientSampleId :
A4ZA7DL

Tot Ion: 83 Resp: 20707
Ion Ratio Lower Upper
83 100
55 0.0 61.0 91.6#
98 2.1 38.1 57.1#

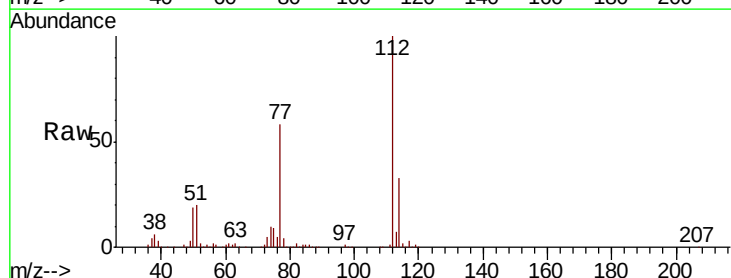


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

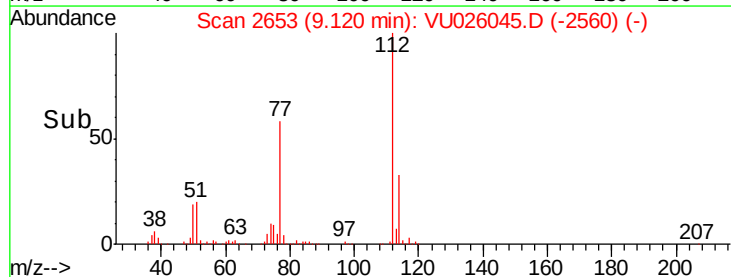
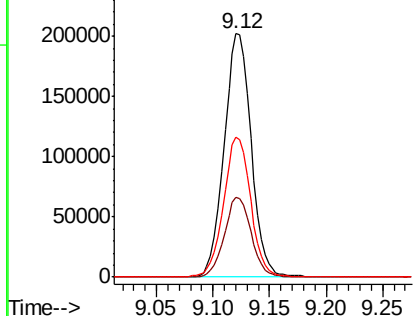


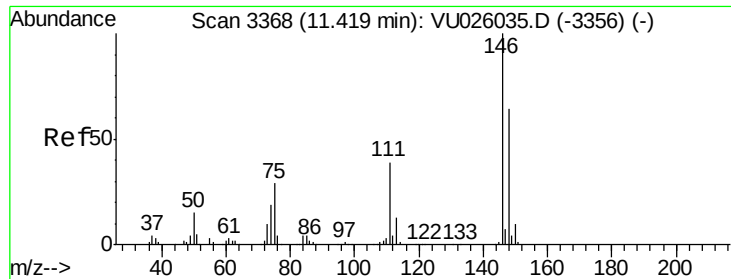
#51
Chlorobenzene
Concen: 63.139 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU026045.D
Acq: 10 Aug 2018 15:55

Tgt Ion: 112 Resp: 336932
Ion Ratio Lower Upper
112 100
114 32.9 22.7 42.3
77 57.7 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): VU0





#62

1,3-Dichlorobenzene

Concen: 5.899 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026045.D

Acq: 10 Aug 2018 15:55

Instrument :

MSVOA_U

ClientSampleId :

A4ZA7DL

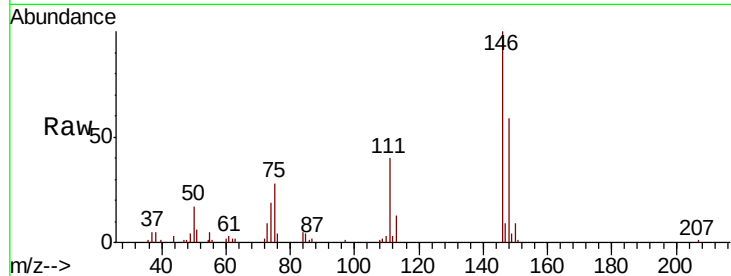
Tot Ion:146 Resp: 22144

Ion Ratio Lower Upper

146 100

111 39.5 27.9 51.9

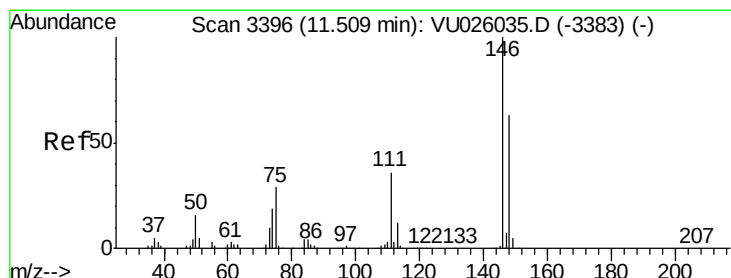
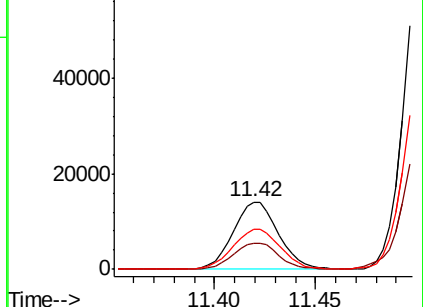
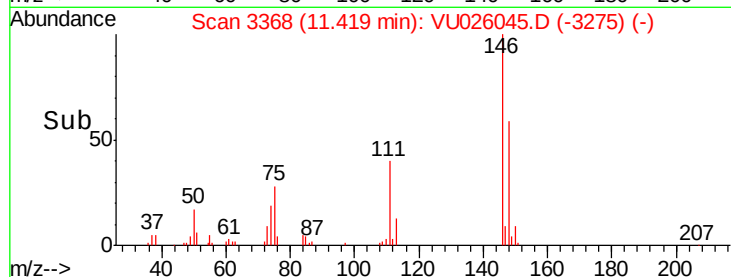
148 58.6 46.0 85.4



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: 51.352 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU026045.D

Acq: 10 Aug 2018 15:55

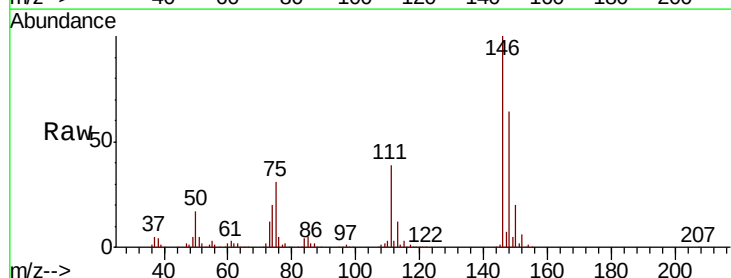
Tgt Ion:146 Resp: 202067

Ion Ratio Lower Upper

146 100

111 38.8 26.4 49.0

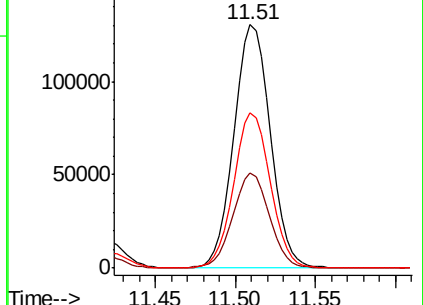
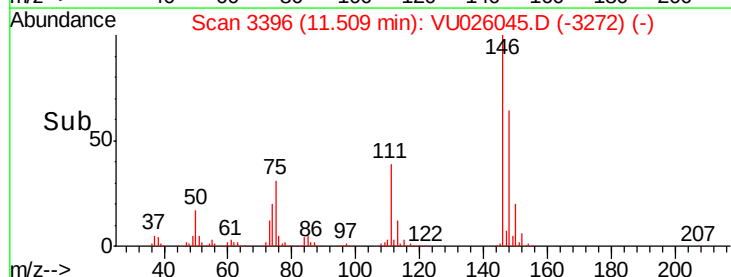
148 63.5 43.8 81.4

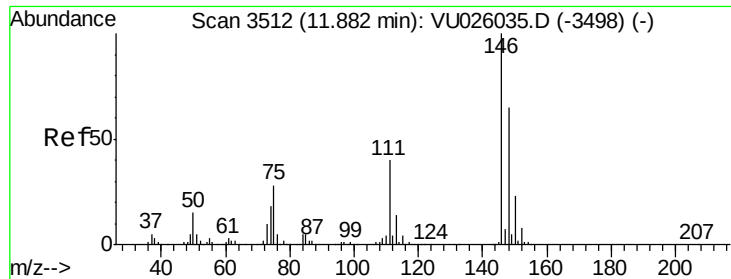


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

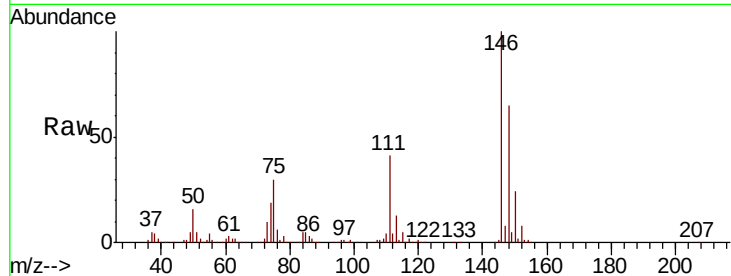




#65
 1,2-Dichlorobenzene
 Concen: 55.447 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026045.D
 Acq: 10 Aug 2018 15:55

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA7DL

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	32.4	48.6
148	64.6	50.1	75.1

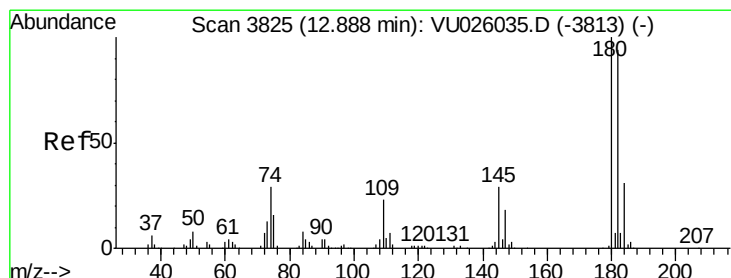
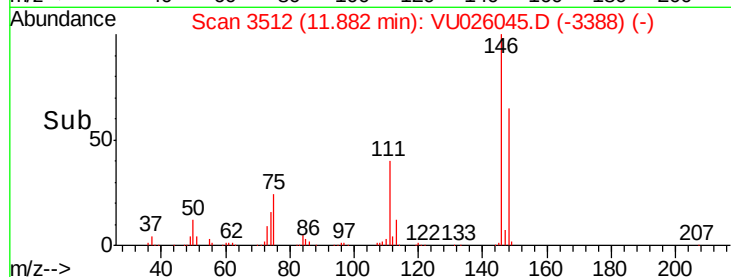
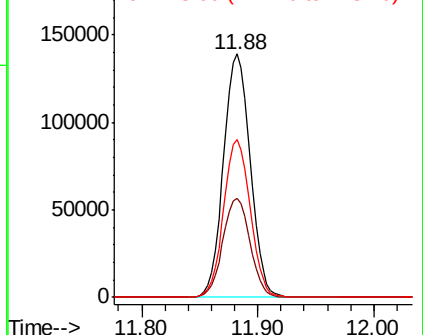


Abundance

Ion 146.00 (145.70 to 146.70): V

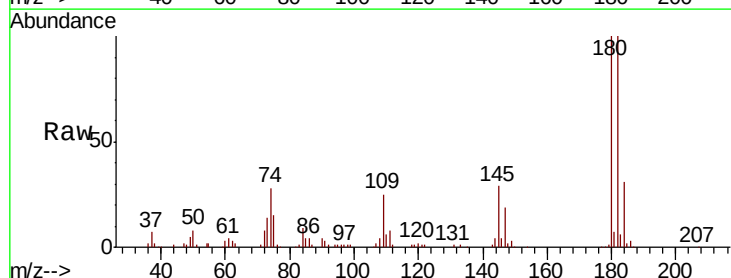
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67
 1,3,5-Trichlorobenzene
 Concen: 37.285 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.62 min
 Lab File: VU026045.D
 Acq: 10 Aug 2018 15:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.3	76.5	114.7
184	30.9	24.3	36.5
145	29.3	23.5	35.3



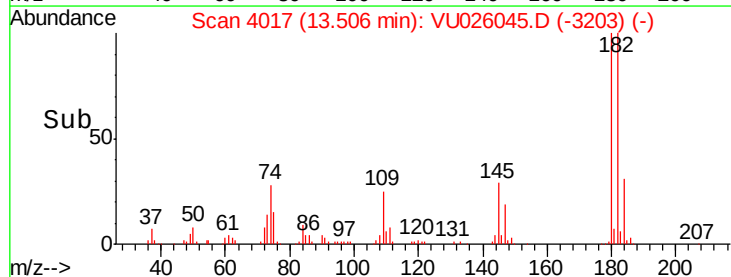
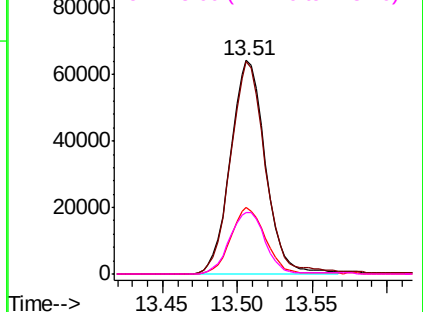
Abundance

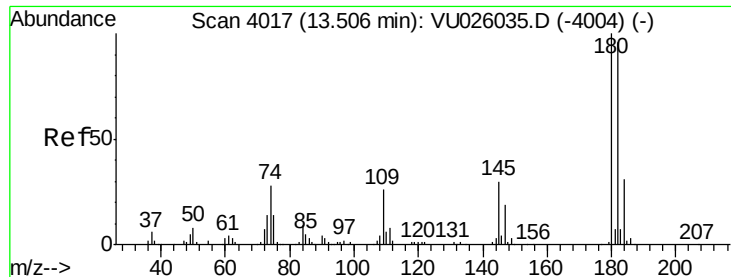
Ion 180.00 (179.70 to 180.70): V

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: 44.091 ug/L

RT: 13.51 min Scan# 4017

Delta R.T. 0.00 min

Lab File: VU026045.D

Acq: 10 Aug 2018 15:55

Instrument :

MSVOA_U

ClientSampleId :

A4ZA7DL

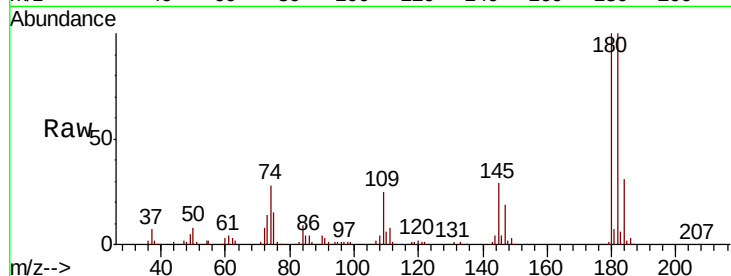
Tot Ion:180 Resp: 104600

Ion Ratio Lower Upper

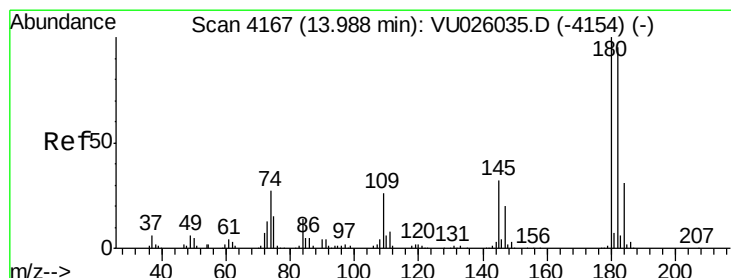
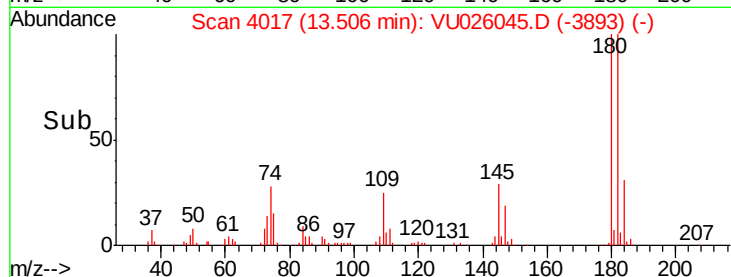
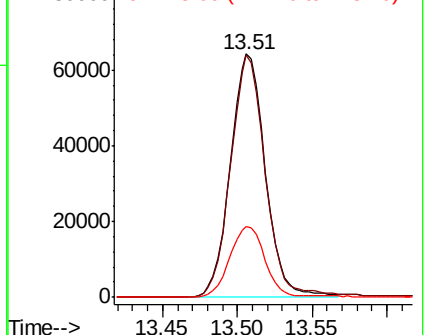
180 100

182 99.3 76.5 114.7

145 29.3 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: 9.889 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU026045.D

Acq: 10 Aug 2018 15:55

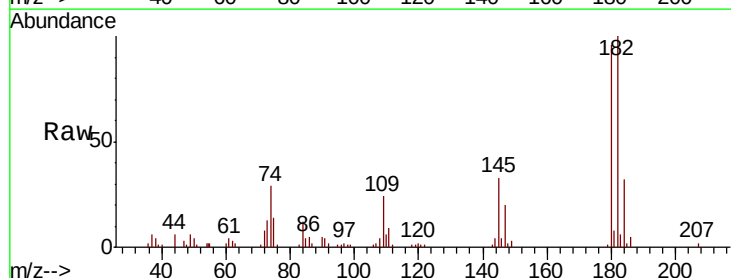
Tgt Ion:180 Resp: 25216

Ion Ratio Lower Upper

180 100

182 104.0 76.5 114.7

145 32.4 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

