

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081018\
 Data File : VU026039.D
 Acq On : 10 Aug 2018 13:29
 Operator : MD/SY
 Sample : J4401-02 5X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZE0

Quant Time: Aug 11 01:48:41 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	298453	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	284679	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	135471	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	71998	33.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.00%
7) Chloroethane-d5	1.68	69	65629	37.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.88%
11) 1,1-Dichloroethene-d2	2.27	63	110917	26.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.52%#
21) 2-Butanone-d5	4.18	46	162094	89.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.15%
24) Chloroform-d	4.65	84	191663	41.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.86%
26) 1,2-Dichloroethane-d4	5.31	65	135236	43.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.56%
32) Benzene-d6	5.35	84	360965	40.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.66%
36) 1,2-Dichloropropane-d6	6.33	67	120681	42.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.38%
41) Toluene-d8	7.57	98	325566	38.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	76.98%#
43) trans-1,3-Dichloropropene-	7.85	79	58215	40.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.80%
47) 2-Hexanone-d5	8.31	63	113222	87.15	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.15%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	178225	42.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.22%
64) 1,2-Dichlorobenzene-d4	11.86	152	145833	43.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.34%

Target Compounds

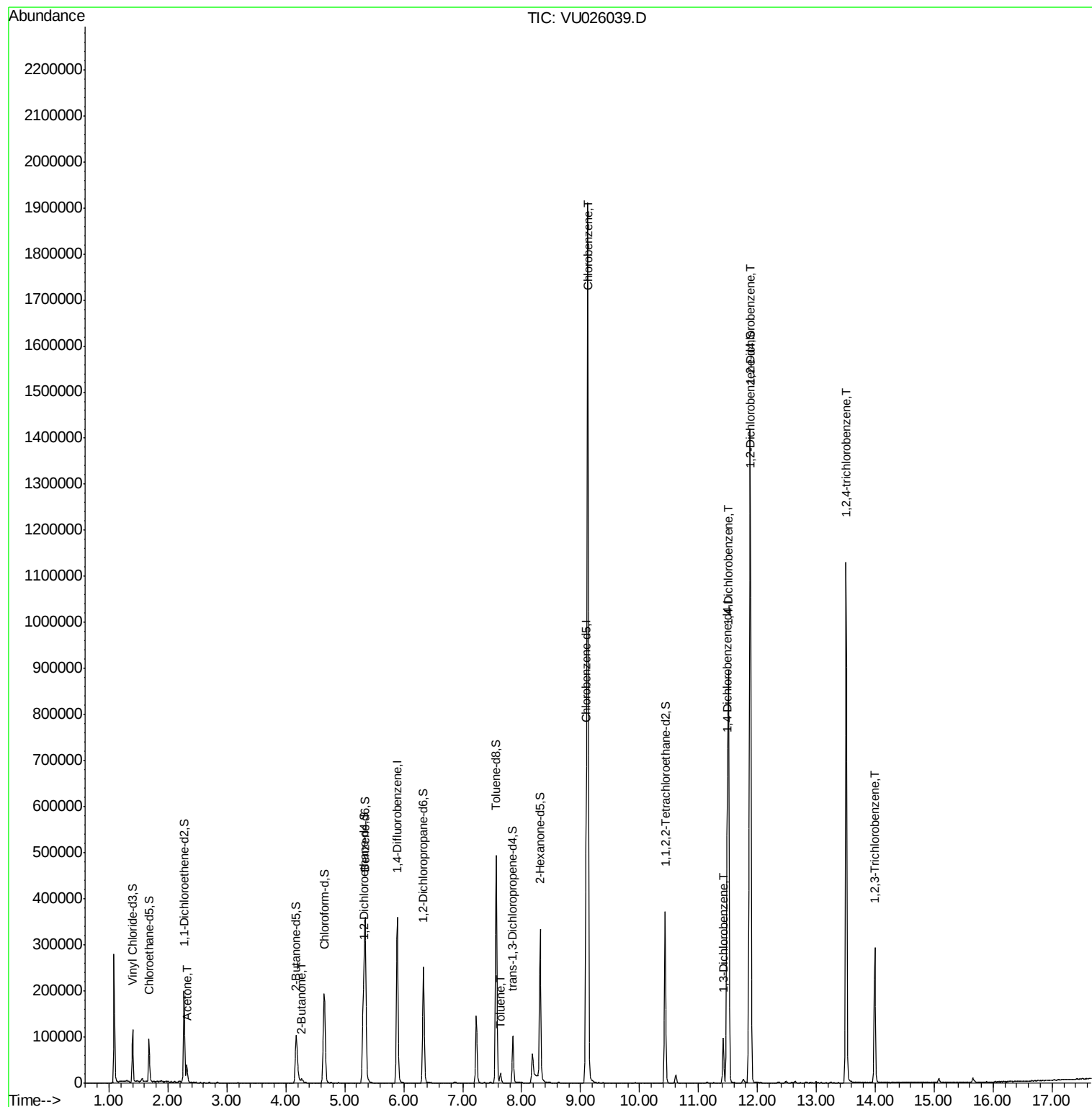
						Ovalue
13) Acetone	2.32	43	37469	33.17	ug/L	98
22) 2-Butanone	4.27	43	11940	7.31	ug/L	97
42) Toluene	7.64	91	14675	1.71	ug/L	97
51) Chlorobenzene	9.12	112	1010605	174.15	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	41336	9.80	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	341614	77.27	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	532124	118.53	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	346450	129.97	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	91851	32.06	ug/L	98

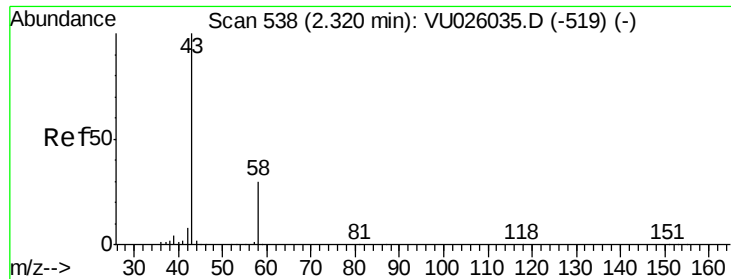
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#13

Acetone

Concen: 33.17 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026039.D

Acq: 10 Aug 2018 13:29

Instrument :

MSVOA_U

ClientSampled :

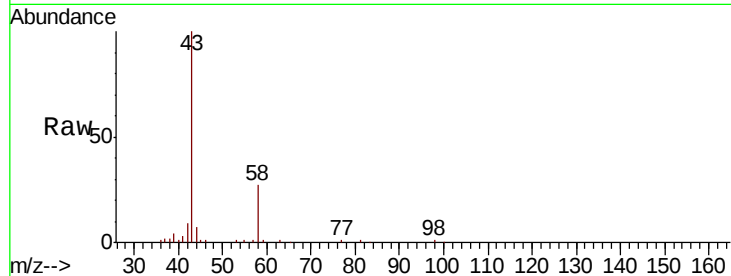
A4ZE0

Tot Ion: 43 Resp: 37469

Ion Ratio Lower Upper

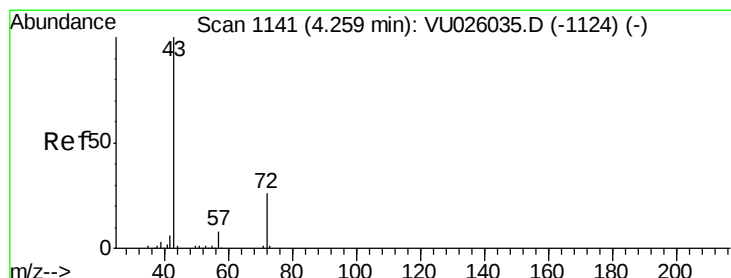
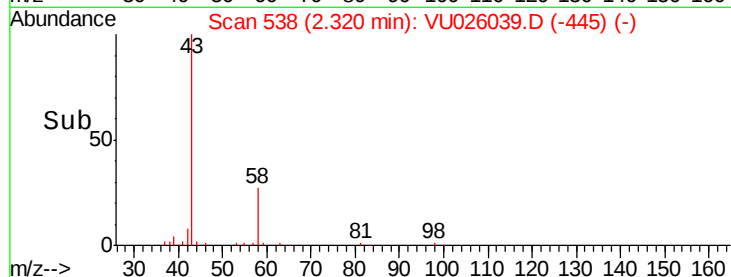
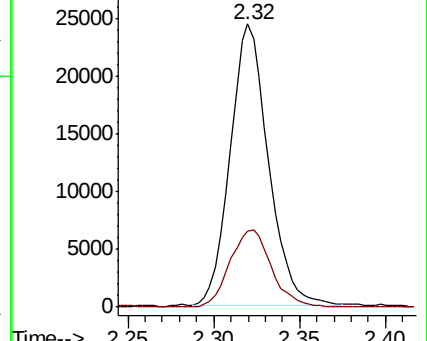
43 100

58 29.8 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: 7.31 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VU026039.D

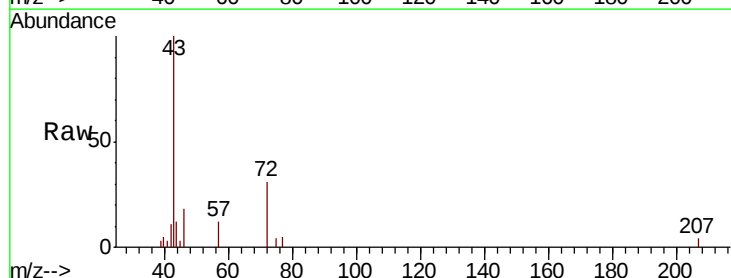
Acq: 10 Aug 2018 13:29

Tgt Ion: 43 Resp: 11940

Ion Ratio Lower Upper

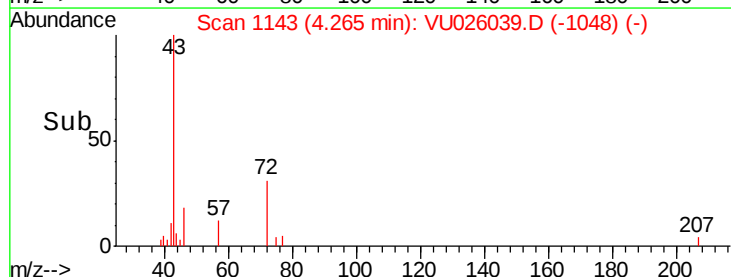
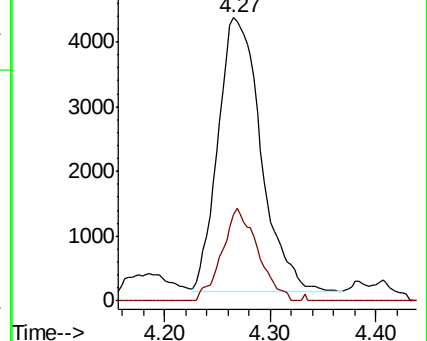
43 100

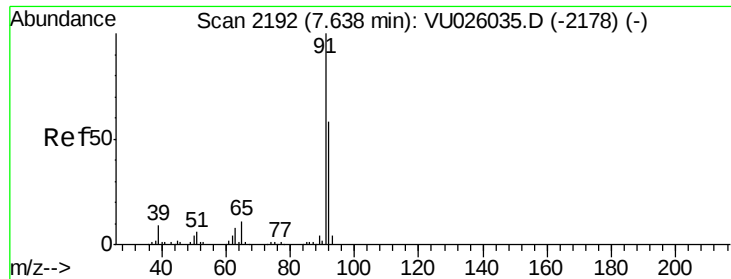
72 28.3 13.5 40.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0





#42

Toluene

Concen: 1.71 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU026039.D

Acq: 10 Aug 2018 13:29

Instrument :

MSVOA_U

ClientSampleId :

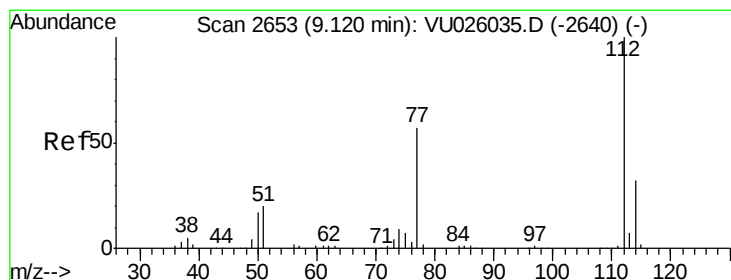
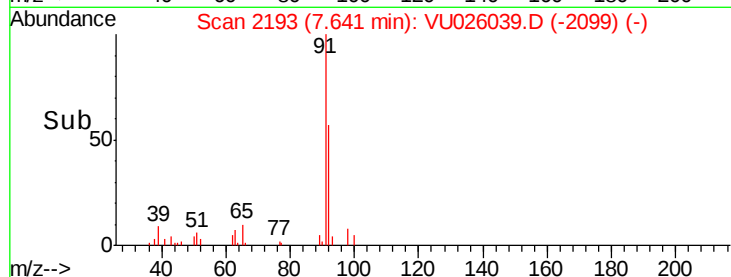
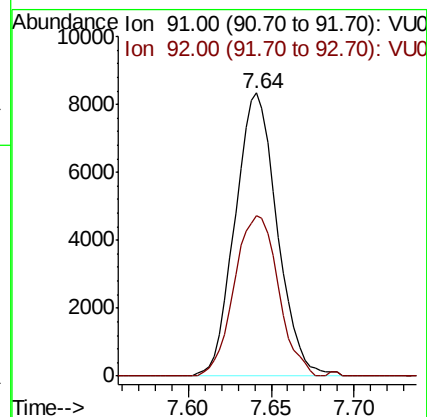
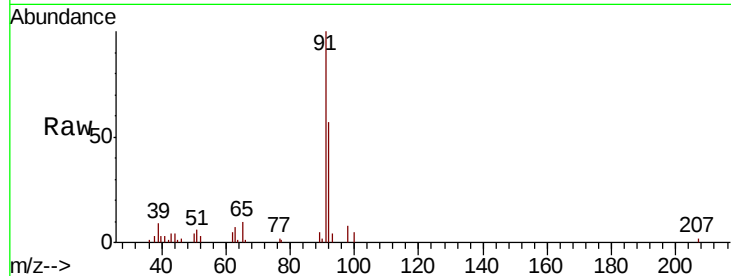
A4ZE0

Tot Ion: 91 Resp: 14675

Ion Ratio Lower Upper

91 100

92 56.6 41.0 76.2



#51

Chlorobenzene

Concen: 174.15 ug/L

RT: 9.12 min Scan# 2653

Delta R.T. 0.00 min

Lab File: VU026039.D

Acq: 10 Aug 2018 13:29

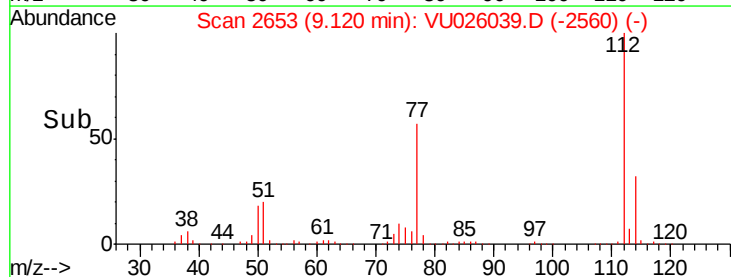
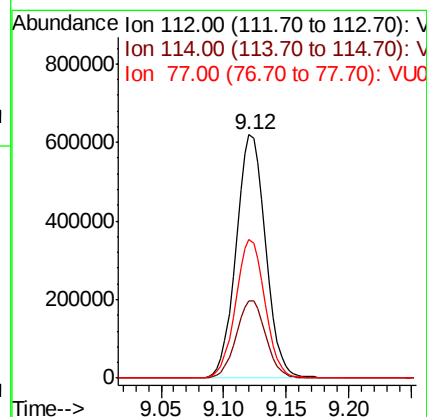
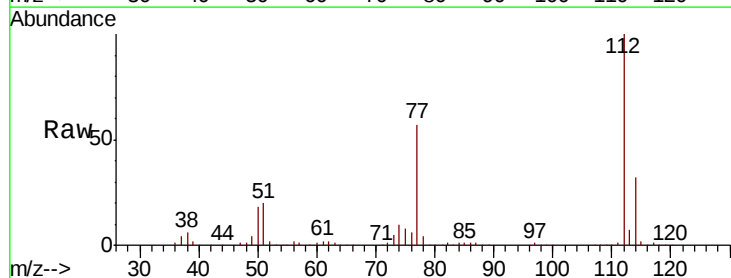
Tgt Ion: 112 Resp: 1010605

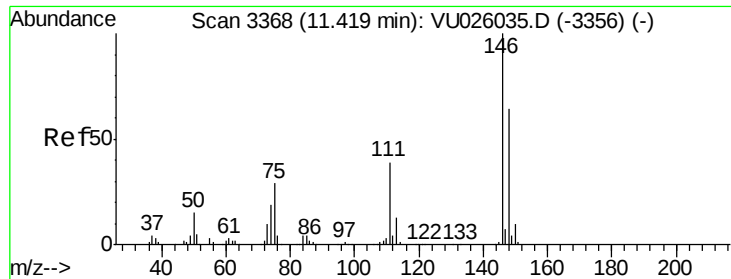
Ion Ratio Lower Upper

112 100

114 31.8 22.7 42.3

77 56.8 45.2 67.8





#62

1,3-Dichlorobenzene

Concen: 9.80 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026039.D

Acq: 10 Aug 2018 13:29

Instrument :

MSVOA_U

ClientSampleId :

A4ZE0

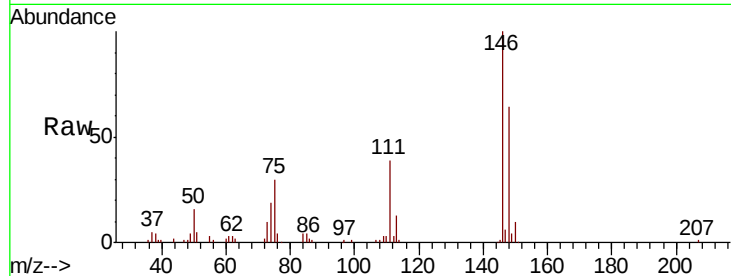
Tot Ion:146 Resp: 41336

Ion Ratio Lower Upper

146 100

111 39.3 27.9 51.9

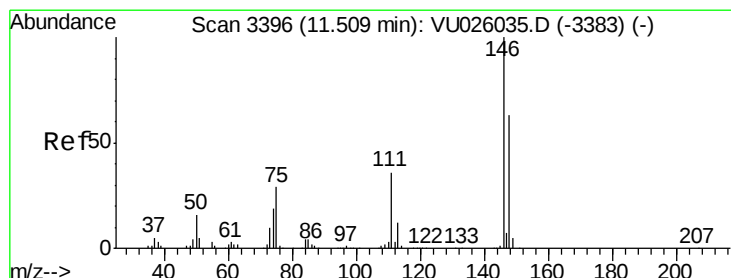
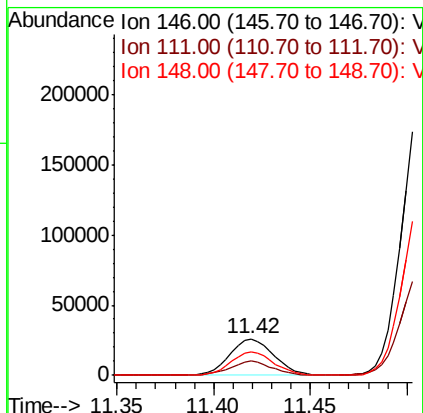
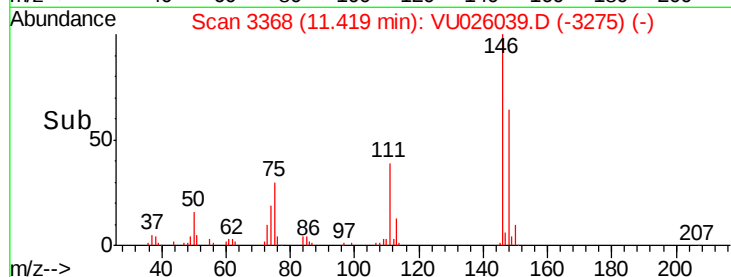
148 63.9 46.0 85.4



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: 77.27 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU026039.D

Acq: 10 Aug 2018 13:29

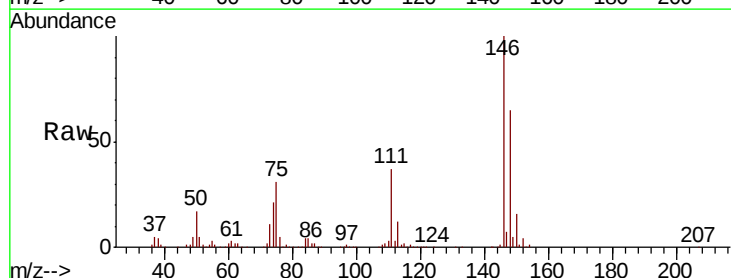
Tgt Ion:146 Resp: 341614

Ion Ratio Lower Upper

146 100

111 37.4 26.4 49.0

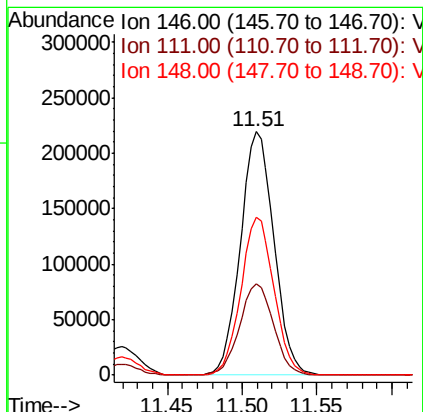
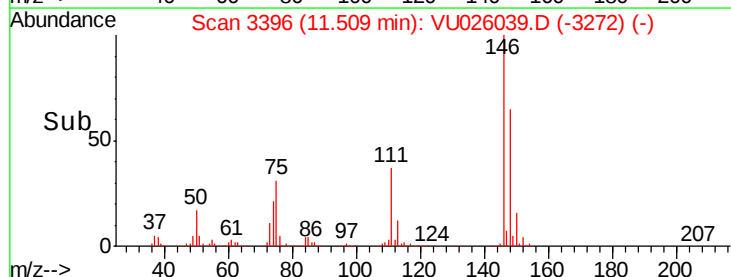
148 65.1 43.8 81.4

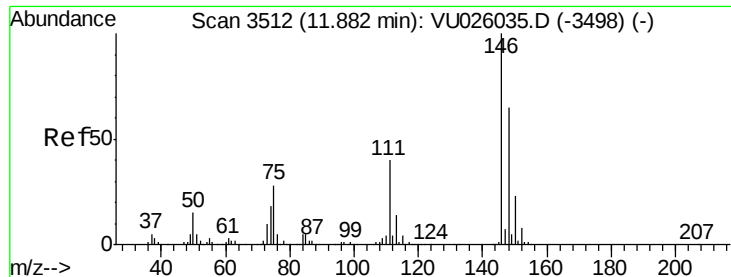


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 118.53 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU026039.D

Acq: 10 Aug 2018 13:29

Instrument :

MSVOA_U

ClientSampled :

A4ZE0

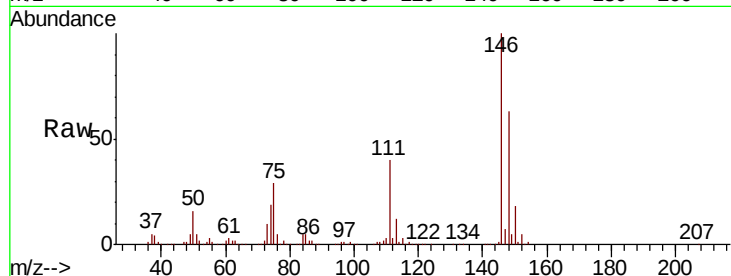
Tot Ion:146 Resp: 532124

Ion Ratio Lower Upper

146 100

111 40.4 32.4 48.6

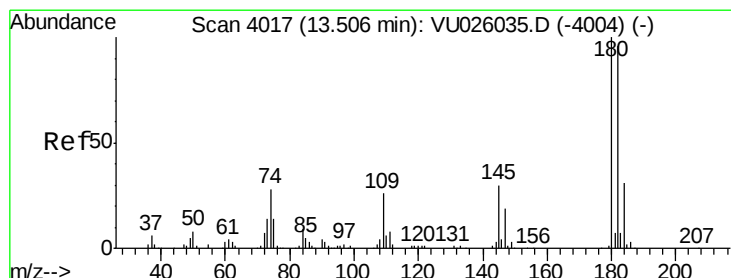
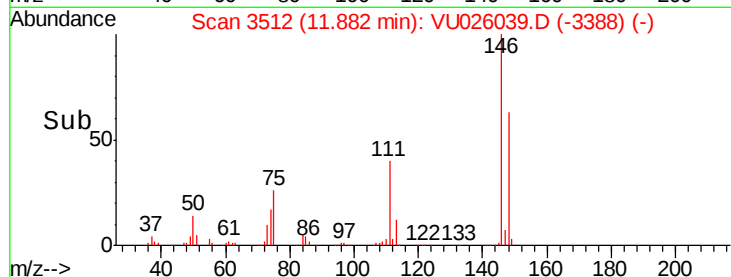
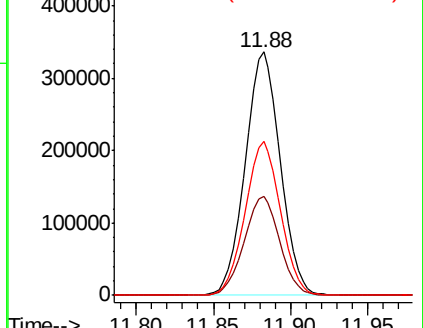
148 63.0 50.1 75.1



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



#68

1,2,4-trichlorobenzene

Concen: 129.97 ug/L

RT: 13.51 min Scan# 4017

Delta R.T. 0.00 min

Lab File: VU026039.D

Acq: 10 Aug 2018 13:29

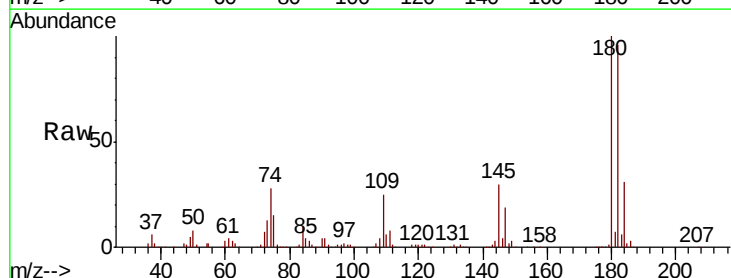
Tgt Ion:180 Resp: 346450

Ion Ratio Lower Upper

180 100

182 96.1 76.5 114.7

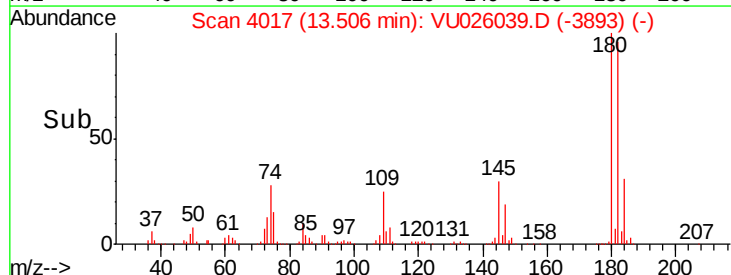
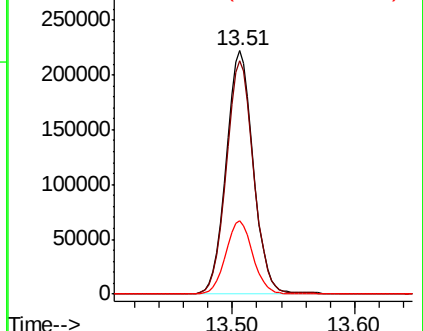
145 30.1 24.2 36.4

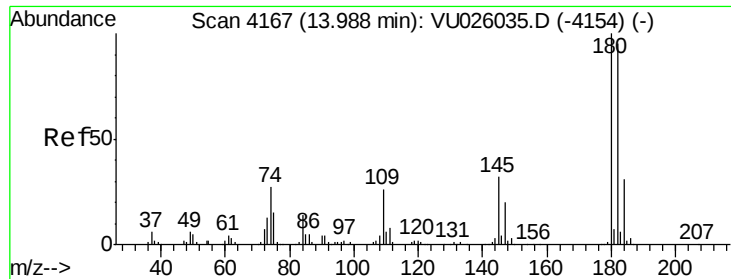


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

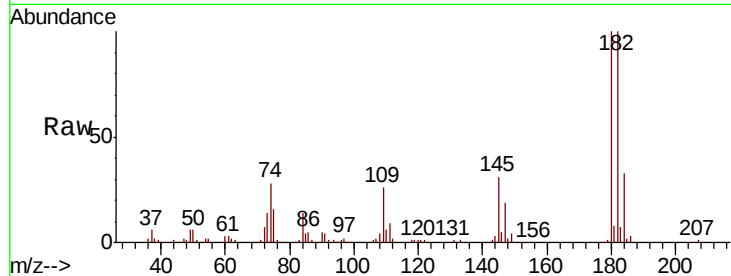




#70
 1,2,3-Trichlorobenzene
 Concen: 32.06 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU026039.D
 Acq: 10 Aug 2018 13:29

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZE0

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.2	76.5	114.7
145	31.2	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

