

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081018\
 Data File : VU026048.D
 Acq On : 10 Aug 2018 17:08
 Operator : MD/SY
 Sample : J4401-09DL 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZE9DL

Quant Time: Aug 11 02:05:49 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	291522	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	275353	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	129570	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	80501	37.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.56%
7) Chloroethane-d5	1.67	69	63722	37.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.44%
11) 1,1-Dichloroethene-d2	2.27	63	122965	30.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.74%
21) 2-Butanone-d5	4.18	46	106730	60.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	60.10%
24) Chloroform-d	4.65	84	154266	34.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	68.28%#
26) 1,2-Dichloroethane-d4	5.31	65	100364	32.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	65.76%#
32) Benzene-d6	5.35	84	305430	35.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	71.44%
36) 1,2-Dichloropropane-d6	6.33	67	97194	35.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	70.26%
41) Toluene-d8	7.57	98	281647	34.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	68.86%#
43) trans-1,3-Dichloropropene-	7.85	79	44436	31.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.76%
47) 2-Hexanone-d5	8.31	63	73266	58.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	58.30%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	126976	31.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	62.76%#
64) 1,2-Dichlorobenzene-d4	11.86	152	111628	34.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	69.90%#

Target Compounds

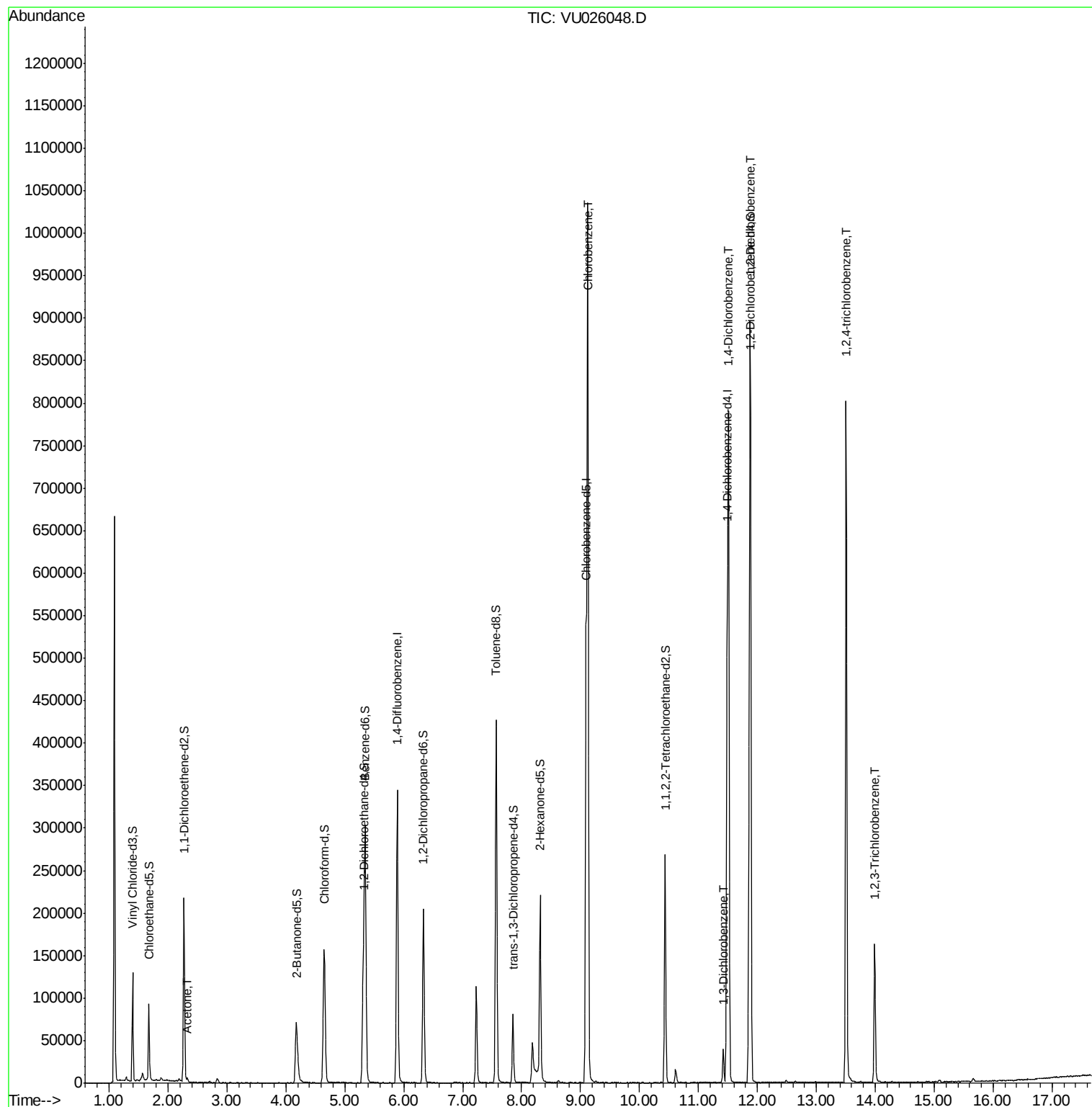
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	2560	2.32	ug/L	83
51) Chlorobenzene	9.12	112	545513	97.19	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	16904	4.19	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	296631	70.15	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	319908	74.51	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	246274	96.60	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	54564	19.91	ug/L	99

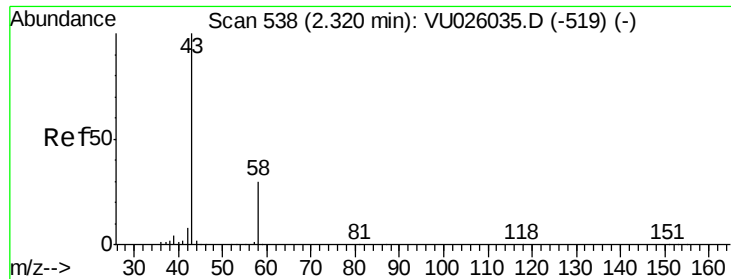
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 2.32 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026048.D

Acq: 10 Aug 2018 17:08

Instrument :

MSVOA_U

ClientSampleId :

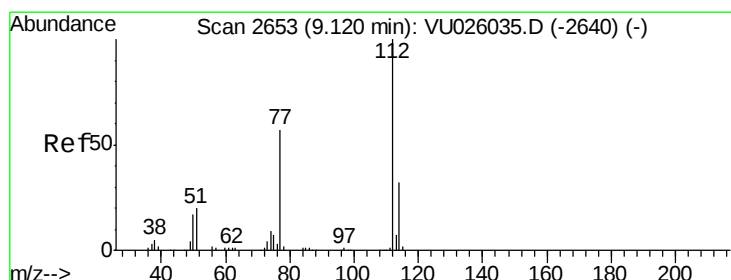
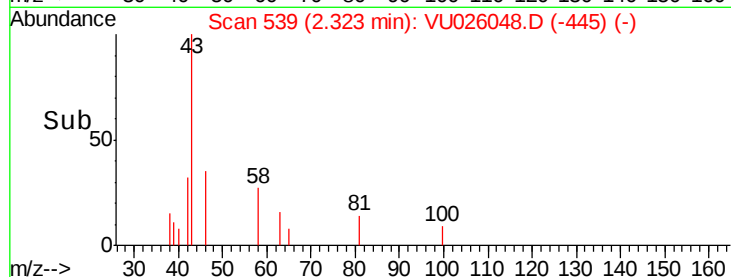
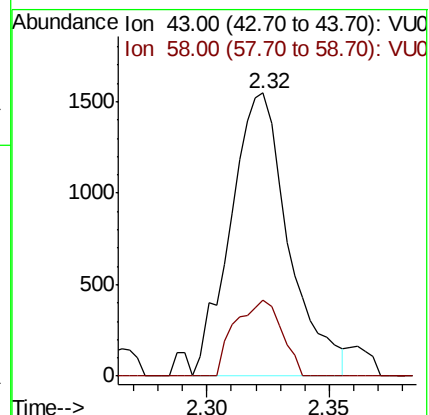
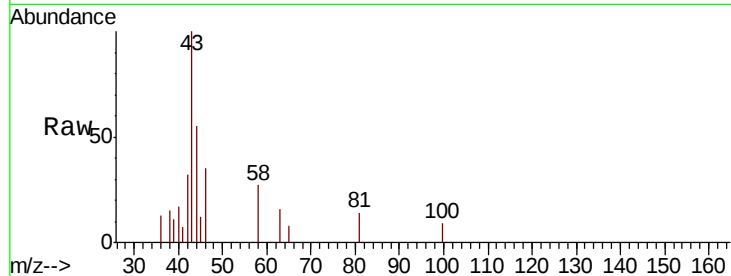
A4ZE9DL

Tot Ion: 43 Resp: 2560

Ion Ratio Lower Upper

43 100

58 21.5 0.0 61.8



#51

Chlorobenzene

Concen: 97.19 ug/L

RT: 9.12 min Scan# 2653

Delta R.T. 0.00 min

Lab File: VU026048.D

Acq: 10 Aug 2018 17:08

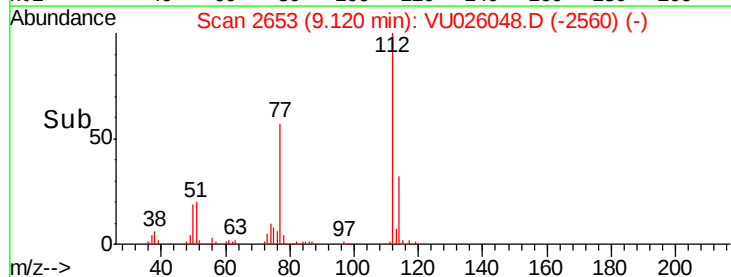
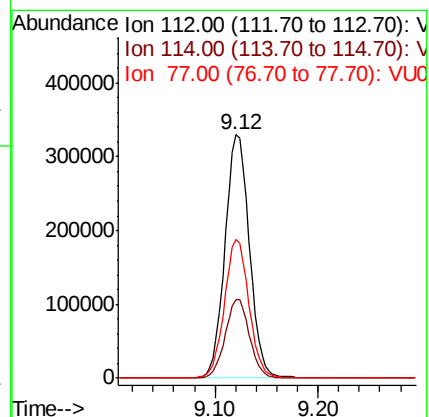
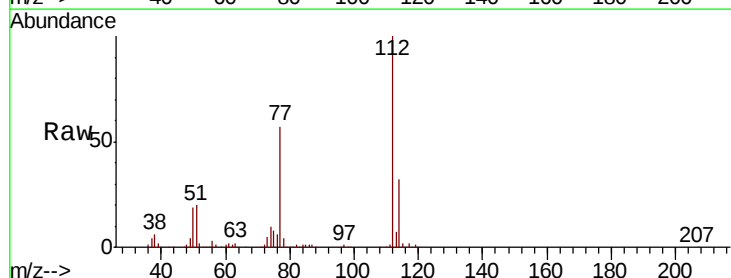
Tgt Ion: 112 Resp: 545513

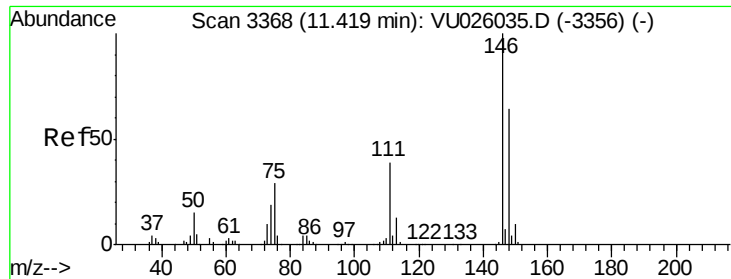
Ion Ratio Lower Upper

112 100

114 32.1 22.7 42.3

77 57.1 45.2 67.8





#62

1,3-Dichlorobenzene

Concen: 4.19 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026048.D

Acq: 10 Aug 2018 17:08

Instrument :

MSVOA_U

ClientSampleId :

A4ZE9DL

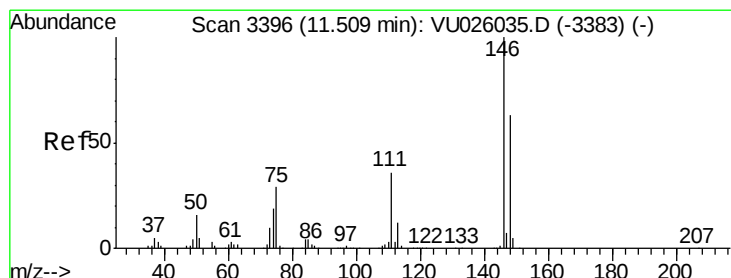
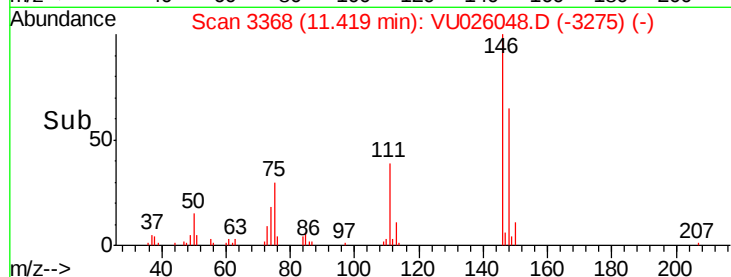
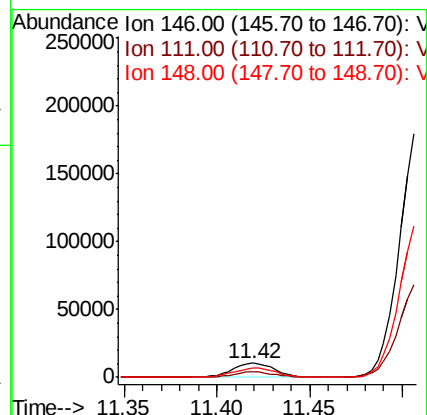
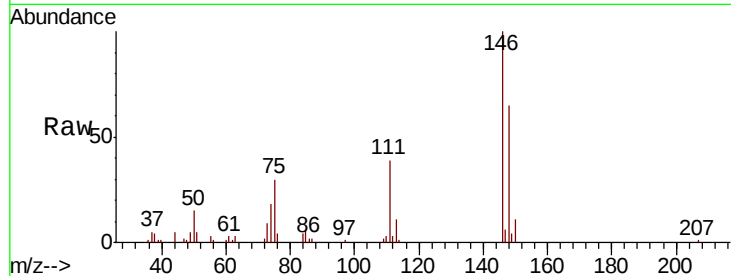
Tot Ion:146 Resp: 16904

Ion Ratio Lower Upper

146 100

111 39.2 27.9 51.9

148 65.1 46.0 85.4



#63

1,4-Dichlorobenzene

Concen: 70.15 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU026048.D

Acq: 10 Aug 2018 17:08

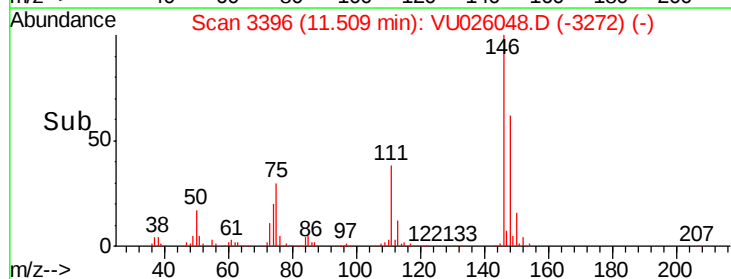
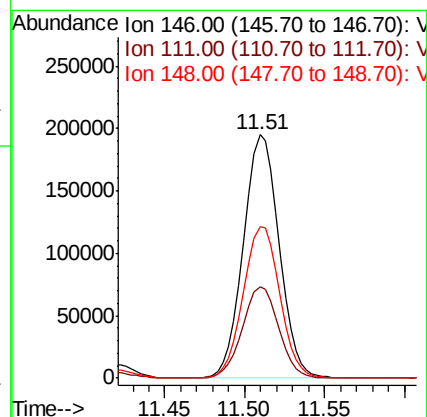
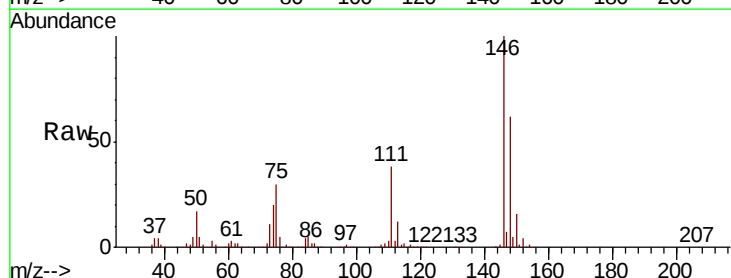
Tgt Ion:146 Resp: 296631

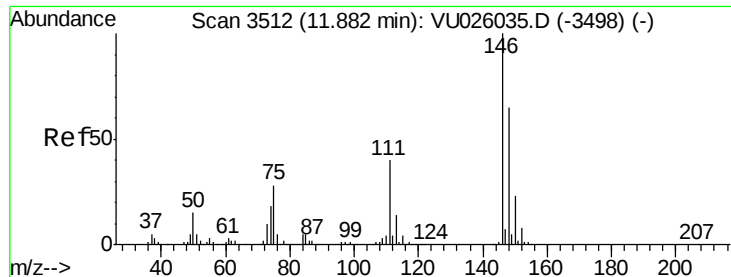
Ion Ratio Lower Upper

146 100

111 37.7 26.4 49.0

148 62.4 43.8 81.4





#65

1,2-Dichlorobenzene

Concen: 74.51 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU026048.D

Acq: 10 Aug 2018 17:08

Instrument :

MSVOA_U

ClientSampleId :

A4ZE9DL

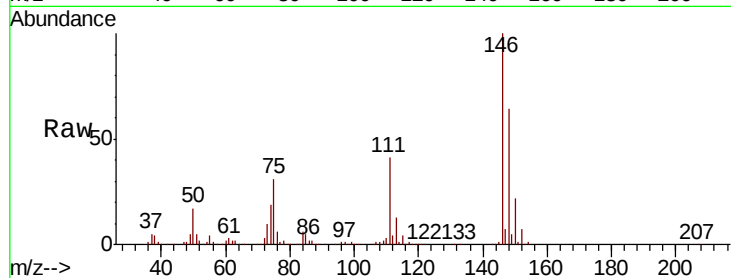
Tot Ion:146 Resp: 319908

Ion Ratio Lower Upper

146 100

111 41.5 32.4 48.6

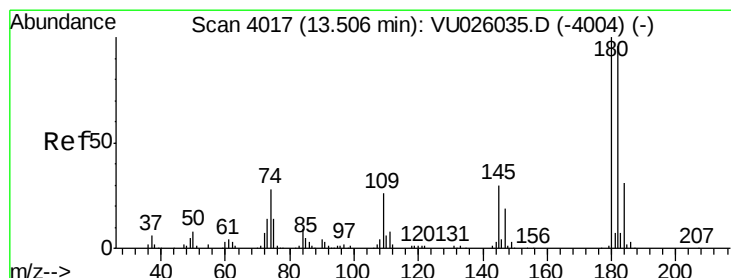
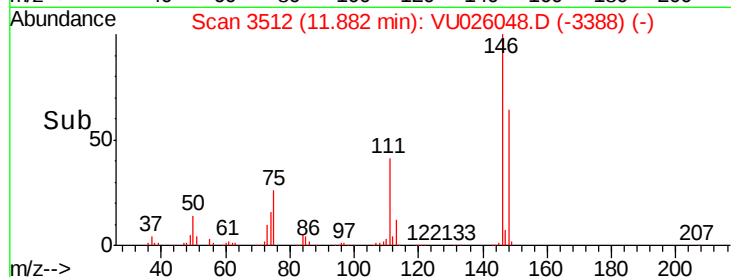
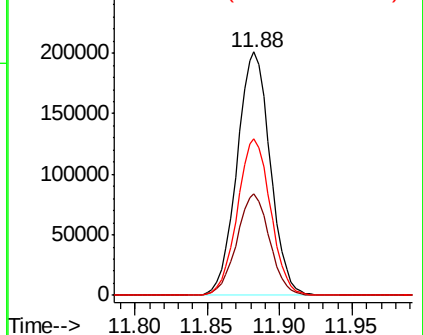
148 64.5 50.1 75.1



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: 96.60 ug/L

RT: 13.51 min Scan# 4017

Delta R.T. 0.00 min

Lab File: VU026048.D

Acq: 10 Aug 2018 17:08

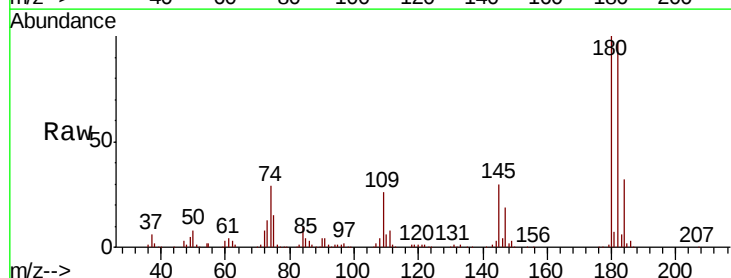
Tgt Ion:180 Resp: 246274

Ion Ratio Lower Upper

180 100

182 97.2 76.5 114.7

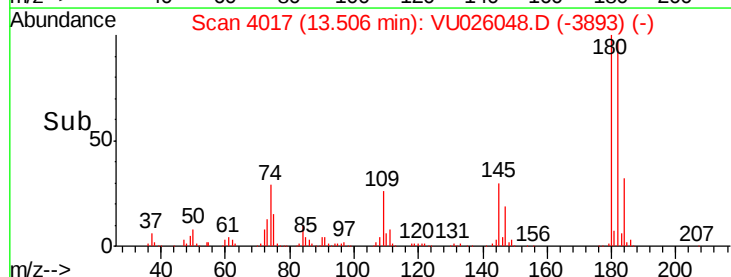
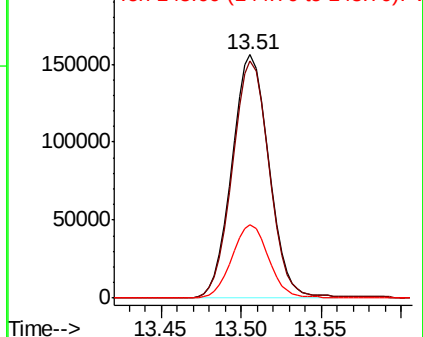
145 29.9 24.2 36.4

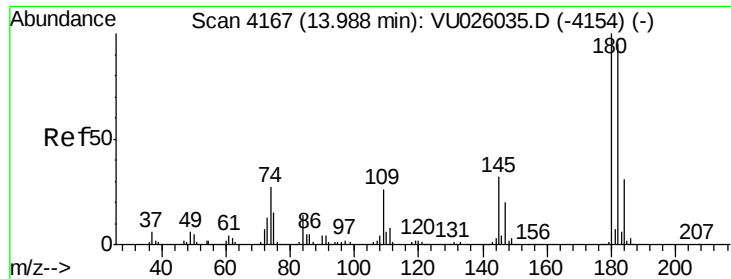


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

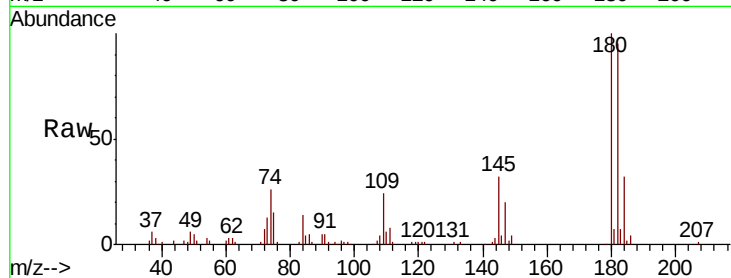




#70
 1,2,3-Trichlorobenzene
 Concen: 19.91 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU026048.D
 Acq: 10 Aug 2018 17:08

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZE9DL

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	95.0	76.5	114.7	
145	30.6	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

