

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010719\
 Data File : VU029050.D
 Acq On : 07 Jan 2019 11:15
 Operator : MD/SY
 Sample : K1048-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0945

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 9:11:22 AM

Quant Time: Jan 08 01:56:43 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M

Quant Title : VOC Analysis

QLast Update : Tue Jan 08 01:37:07 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	188327	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	182426	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	82034	50.00	ug/L	0.00

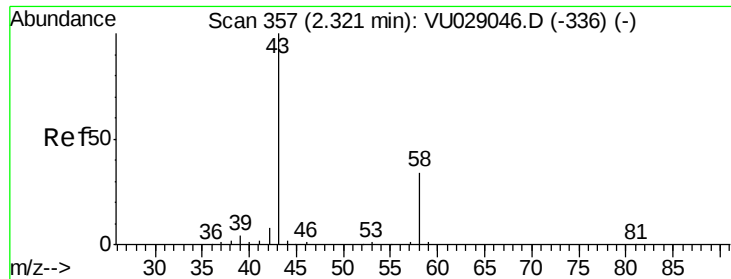
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	74575	49.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.78%
7) Chloroethane-d5	1.67	69	58559	50.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.44%
11) 1,1-Dichloroethene-d2	2.27	63	93248	36.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.46%
21) 2-Butanone-d5	4.17	46	103422	97.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.77%
24) Chloroform-d	4.65	84	114857	48.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.76%
26) 1,2-Dichloroethane-d4	5.31	65	71829	49.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.16%
32) Benzene-d6	5.34	84	257179	49.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	6.33	67	85910	49.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.14%
41) Toluene-d8	7.56	98	229244	49.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.16%
43) trans-1,3-Dichloropropene-	7.85	79	37485	47.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.56%
47) 2-Hexanone-d5	8.31	63	74782	89.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.93%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	118368	48.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.46%
64) 1,2-Dichlorobenzene-d4	11.86	152	86348m	52.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.08%

Target Compounds

					Ovalue
13) Acetone	2.32	43	16144	14.976	ug/L 100
33) Benzene	5.39	78	6371	1.097	ug/L 100
51) Chlorobenzene	9.12	112	110705	29.836	ug/L 99
62) 1,3-Dichlorobenzene	11.42	146	15587	5.981	ug/L 97
63) 1,4-Dichlorobenzene	11.50	146	98643	36.741	ug/L 99
65) 1,2-Dichlorobenzene	11.88	146	636992	234.326	ug/L 98
68) 1,2,4-trichlorobenzene	13.50	180	103426	64.281	ug/L 99
70) 1,2,3-Trichlorobenzene	13.99	180	76350	44.007	ug/L 98

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



#13

Acetone

Concen: 14.976 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU029050.D

Acq: 07 Jan 2019 11:15

Instrument :

MSVOA_U

ClientSampled :

C0945

Tot Ion: 43 Resp: 16144

Ion Ratio Lower Upper

43 100

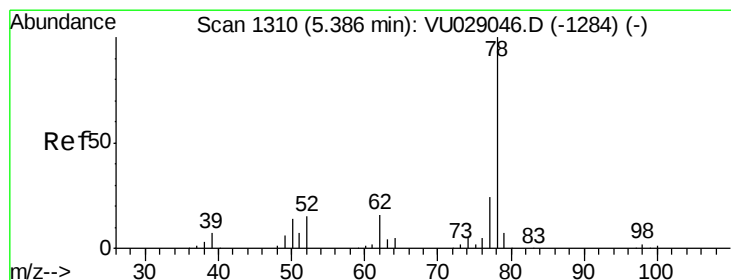
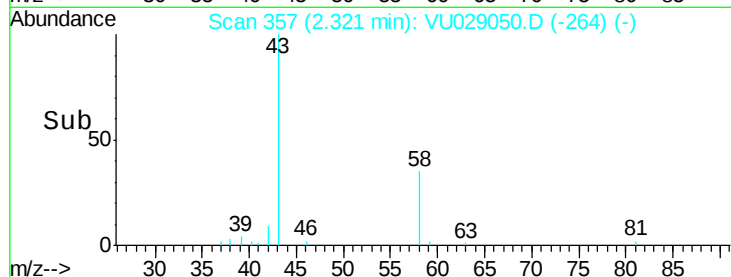
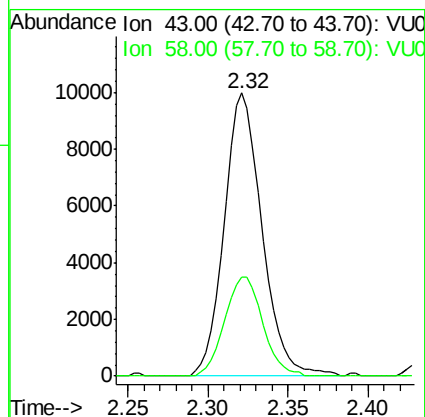
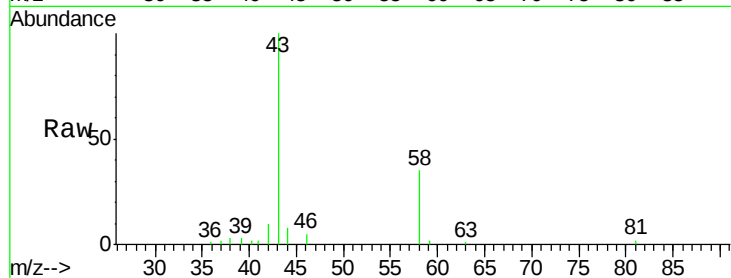
58 35.2 0.0 70.2

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#33

Benzene

Concen: 1.097 ug/L

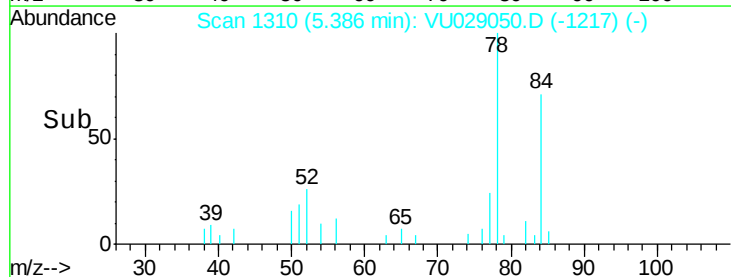
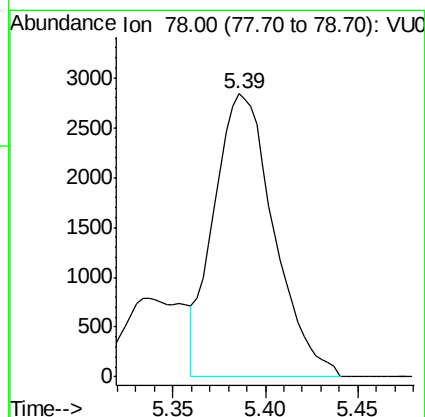
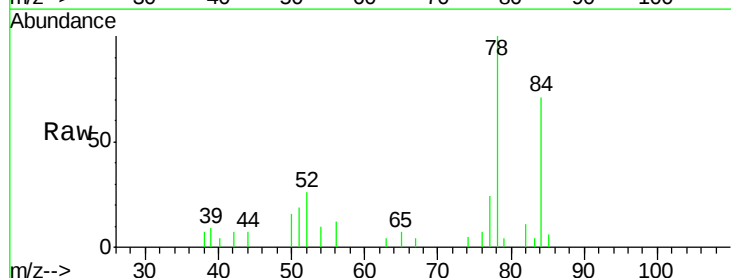
RT: 5.39 min Scan# 1310

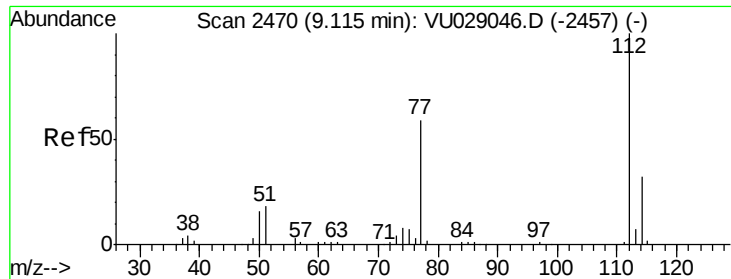
Delta R.T. -0.00 min

Lab File: VU029050.D

Acq: 07 Jan 2019 11:15

Tgt Ion: 78 Resp: 6371





#51

Chlorobenzene

Concen: 29.836 ug/L

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VU029050.D

Acq: 07 Jan 2019 11:15

Instrument :

MSVOA_U

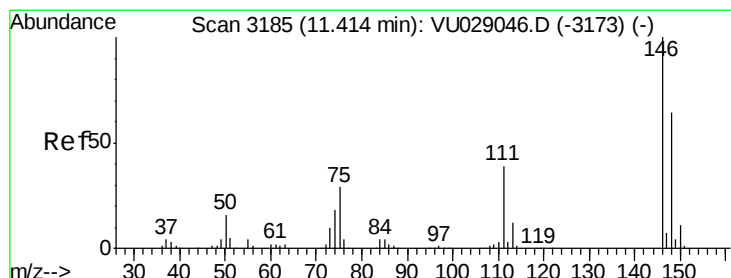
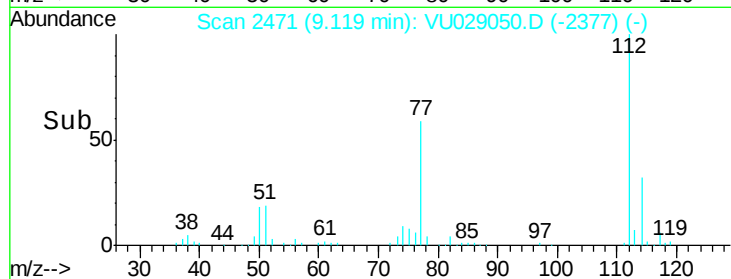
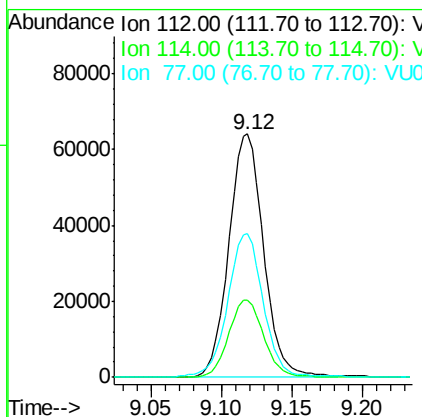
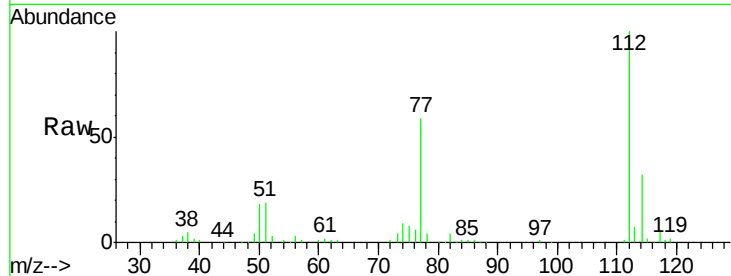
ClientSampleId :

C0945

Tot Ion:	112	Resp:	110705
Ion Ratio	Lower	Upper	
112	100		
114	31.9	22.2	41.2
77	58.9	47.8	71.8

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#62

1,3-Dichlorobenzene

Concen: 5.981 ug/L

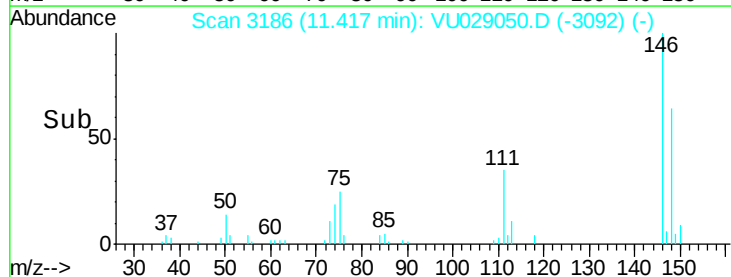
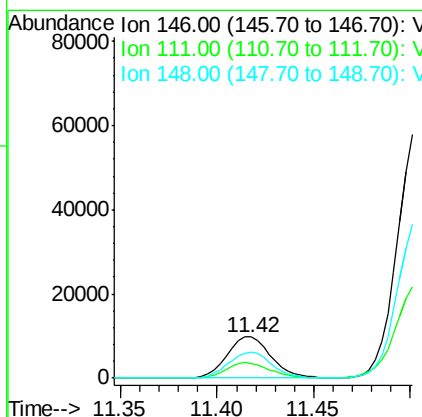
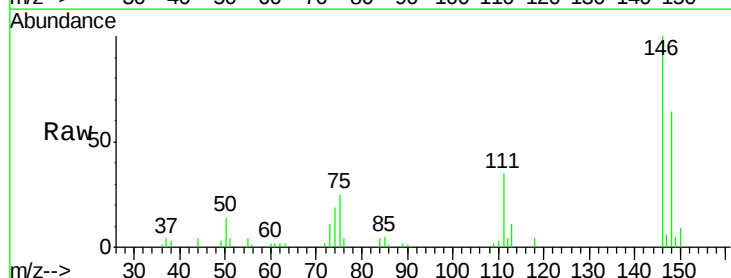
RT: 11.42 min Scan# 3186

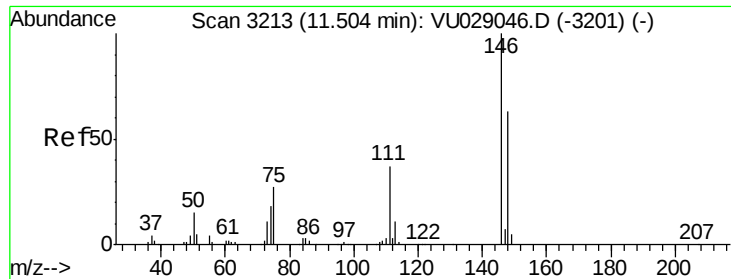
Delta R.T. 0.00 min

Lab File: VU029050.D

Acq: 07 Jan 2019 11:15

Tgt Ion:	146	Resp:	15587
Ion Ratio	Lower	Upper	
146	100		
111	35.4	27.4	50.8
148	64.0	44.2	82.2





#63

1,4-Dichlorobenzene

Concen: 36.741 ug/L

RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

Lab File: VU029050.D

Acq: 07 Jan 2019 11:15

Instrument :

MSVOA_U

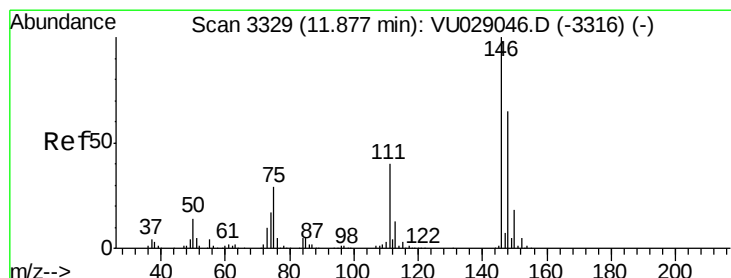
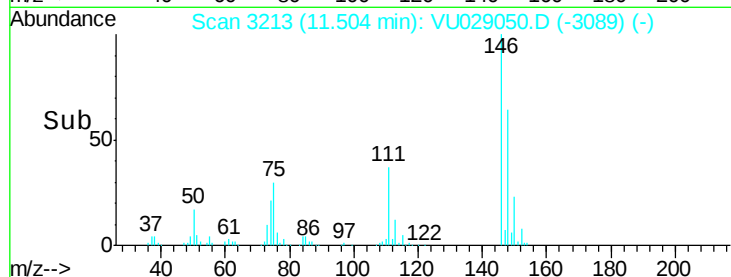
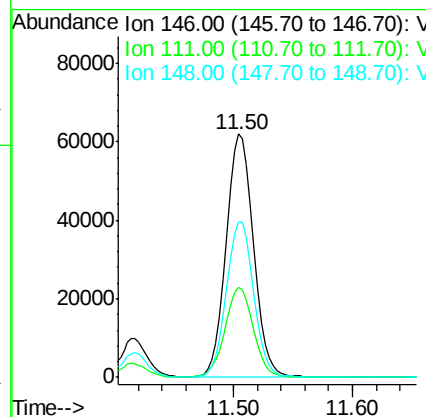
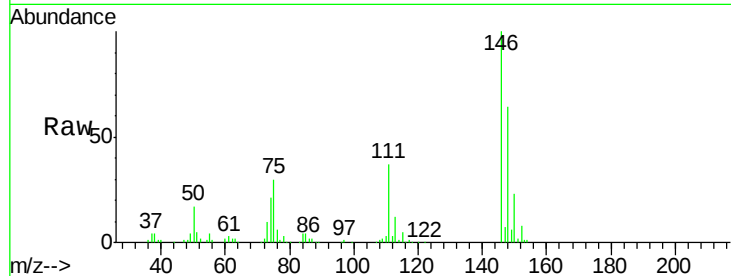
ClientSampled :

C0945

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	26.5	49.1
148	64.0	45.1	83.9

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#65

1,2-Dichlorobenzene

Concen: 234.326 ug/L

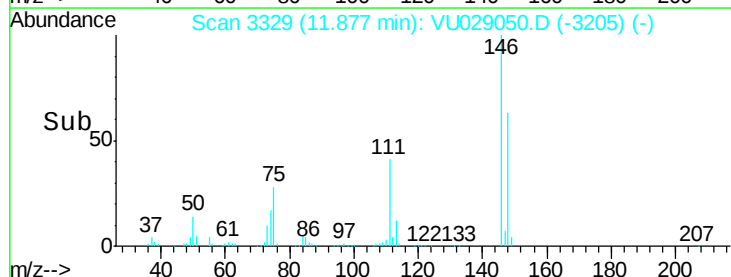
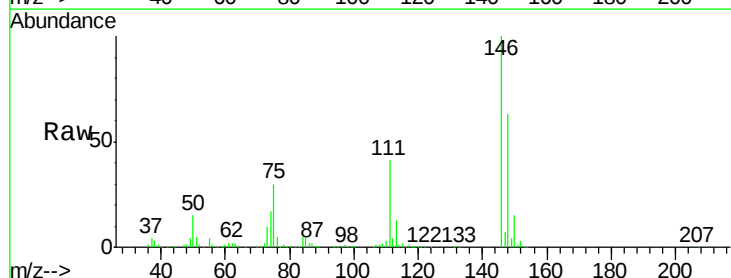
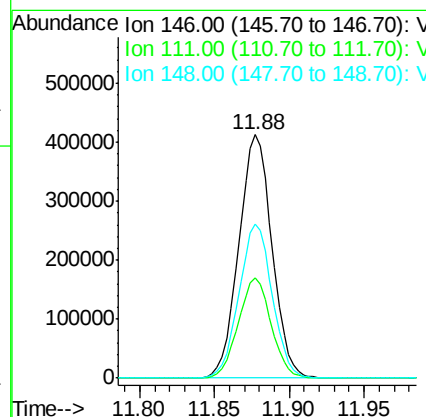
RT: 11.88 min Scan# 3329

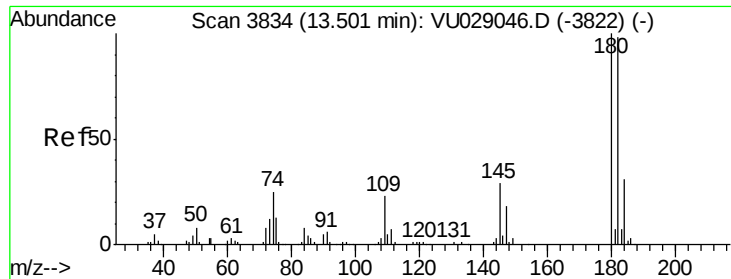
Delta R.T. -0.00 min

Lab File: VU029050.D

Acq: 07 Jan 2019 11:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	32.1	48.1
148	63.5	49.7	74.5





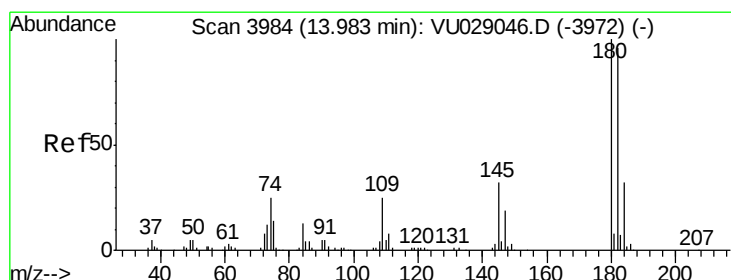
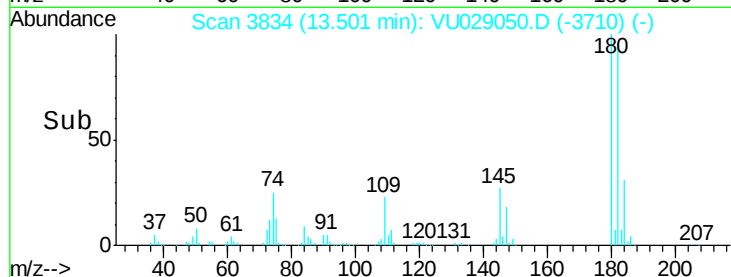
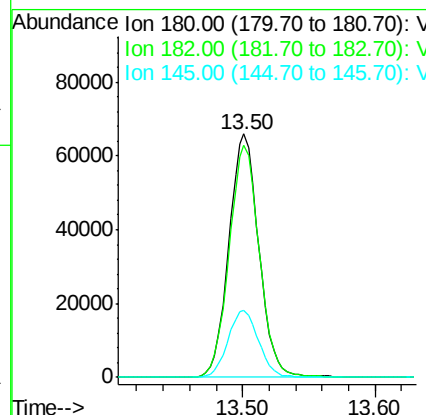
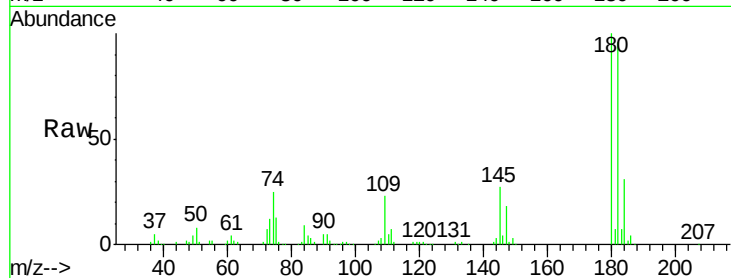
#68
 1,2,4-trichlorobenzene
 Concen: 64.281 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU029050.D
 Acq: 07 Jan 2019 11:15

Instrument :
 MSVOA_U
 ClientSampleId :
 C0945

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.4	116.0
145	28.1	23.5	35.3

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#70
 1,2,3-Trichlorobenzene
 Concen: 44.007 ug/L
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU029050.D
 Acq: 07 Jan 2019 11:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.8	113.8
145	29.2	24.5	36.7

