

Data File : VU030236.D
Acq On : 20 Mar 2019 20:32
Operator : JC/SP
Sample : K1967-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0977

Quant Time: Mar 22 01:32:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 01:27:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	550944	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	526400	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	248437	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	158733	42.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.22%
7) Chloroethane-d5	1.68	69	134361	45.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.20%
11) 1,1-Dichloroethene-d2	2.39	63	79	0.01	ug/L	0.12
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.02%#
21) 2-Butanone-d5	4.17	46	260662	94.31	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.31%
24) Chloroform-d	4.65	84	314381	45.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.96%
26) 1,2-Dichloroethane-d4	5.31	65	184255	47.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.50%
32) Benzene-d6	5.34	84	660652	47.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.26%
36) 1,2-Dichloropropane-d6	6.33	67	208875	48.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.32%
41) Toluene-d8	7.56	98	591876	45.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.76%
43) trans-1,3-Dichloropropene-	7.85	79	91892	43.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.94%
47) 2-Hexanone-d5	8.31	63	215465	96.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.80%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	315751	47.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.92%
64) 1,2-Dichlorobenzene-d4	11.86	152	249457	50.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.02%

Target Compounds

						Qvalue
13) Acetone	2.32	43	3152	1.091	ug/L	97
33) Benzene	5.39	78	40914	2.694	ug/L	100
39) cis-1,3-Dichloropropene	7.22	75	4668	0.748	ug/L #	57
44) trans-1,3-Dichloropropene	7.85	75	3440	0.637	ug/L #	81
48) 2-Hexanone	8.36	43	4531	1.021	ug/L #	88
51) Chlorobenzene	9.12	112	1637205	149.701	ug/L	99
59) 1,2,3-Trichloropropane	11.41	75	11797	2.244	ug/L #	43
62) 1,3-Dichlorobenzene	11.41	146	47560	6.000	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	240270	29.224	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	262056	32.360	ug/L	100
67) 1,3,5-Trichlorobenzene	13.50	180	83216	13.433	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	83216	15.191	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	47421	8.296	ug/L	97

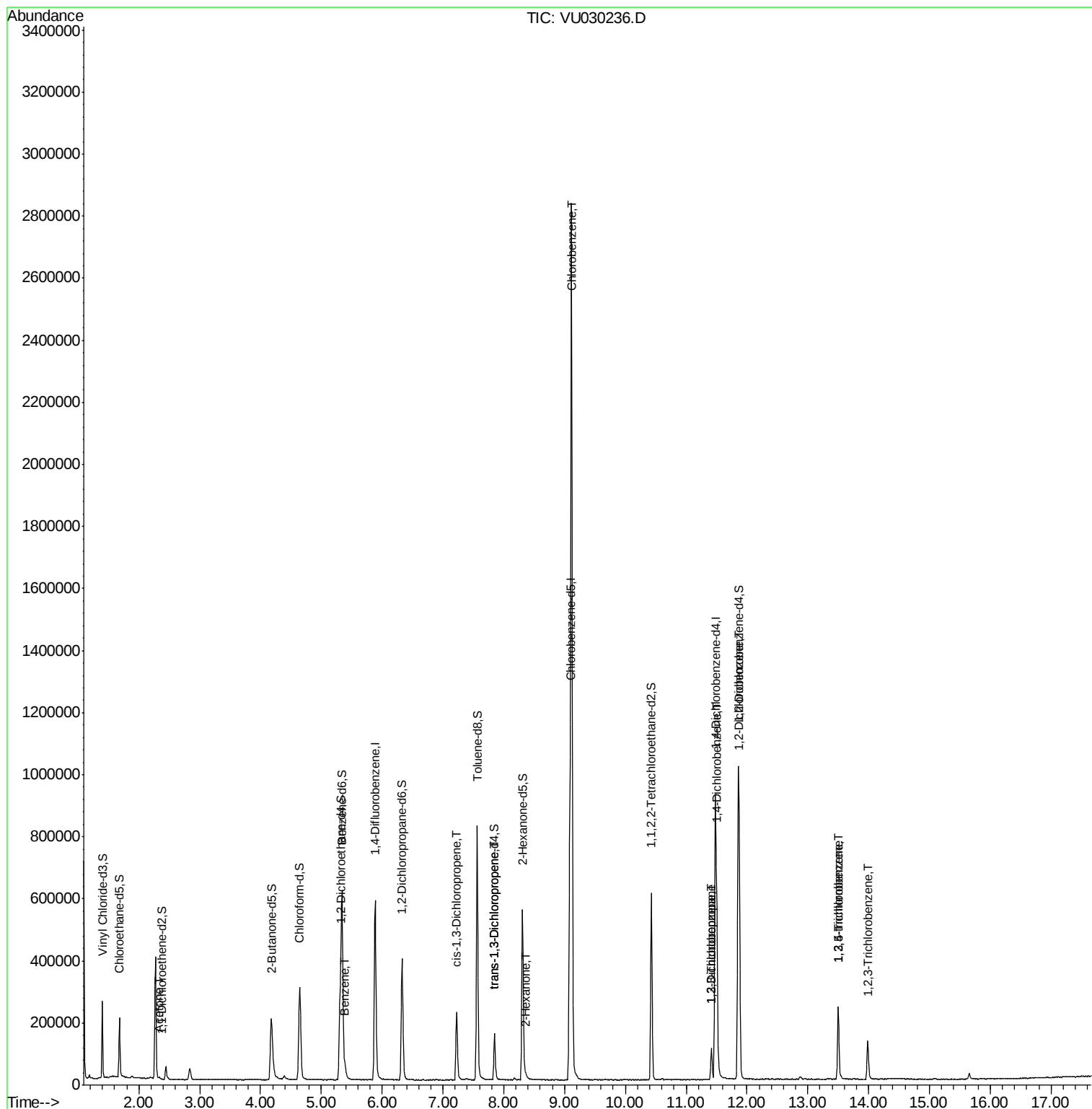
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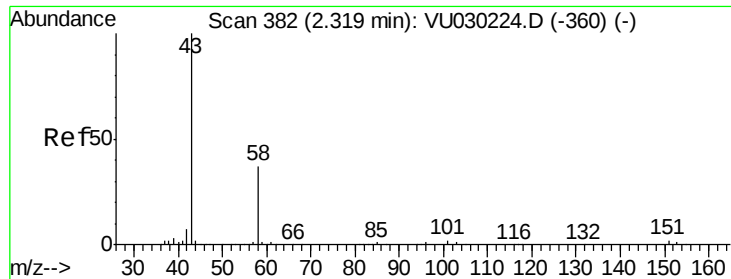
Data File : VU030236.D

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Quant Title : VOC Analysis
QLast Update : Fri Mar 22 01:27:23 2019
Response via : Initial Calibration





#13

Acetone

Concen: 1.091 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030236.D

Acq: 20 Mar 2019 20:32

Instrument :

MSVOA_U

ClientSampleId :

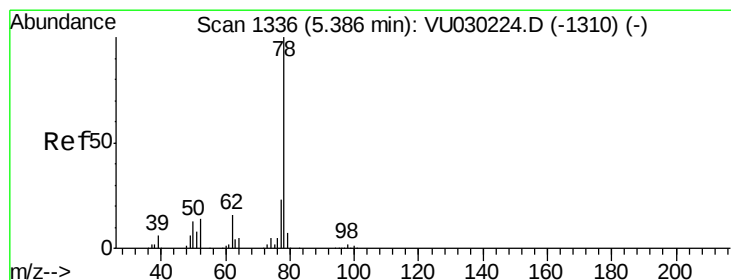
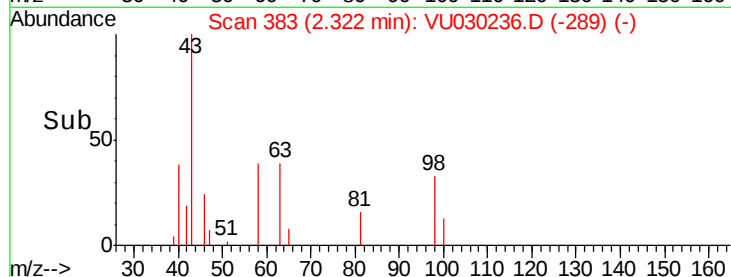
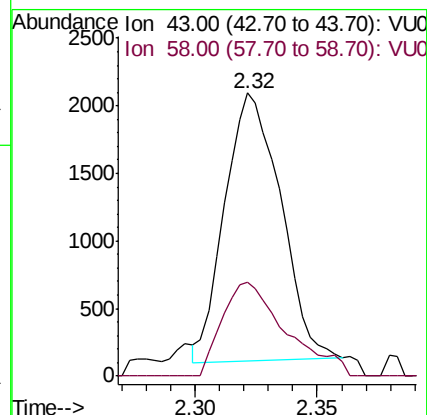
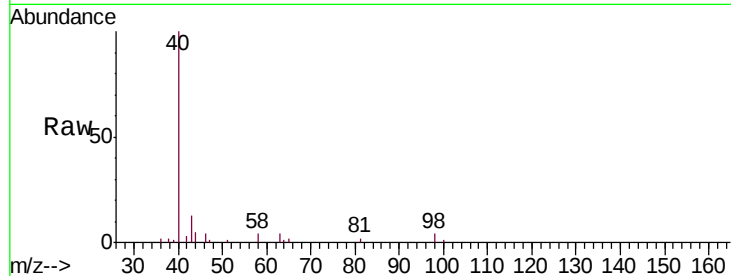
C0977

Tgt Ion: 43 Resp: 3152

Ion Ratio Lower Upper

43 100

58 38.7 0.0 73.4



#33

Benzene

Concen: 2.694 ug/L

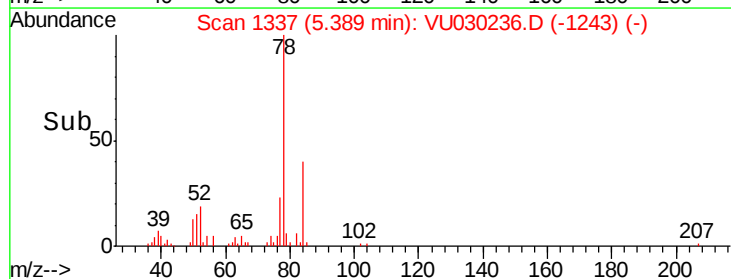
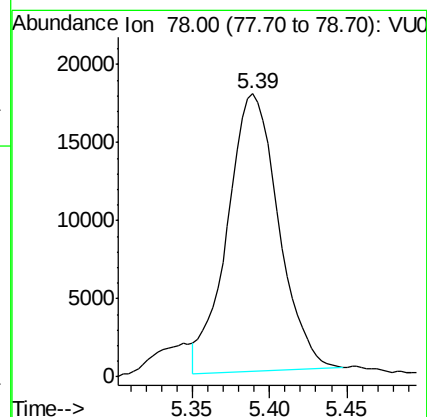
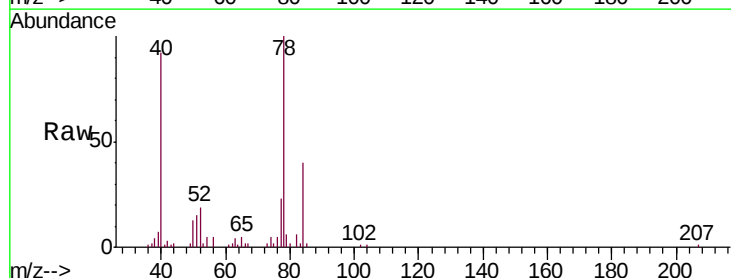
RT: 5.39 min Scan# 1337

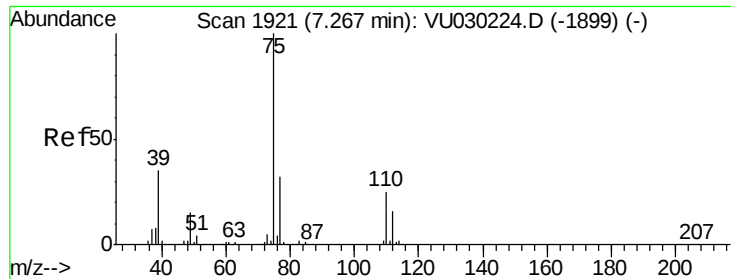
Delta R.T. 0.00 min

Lab File: VU030236.D

Acq: 20 Mar 2019 20:32

Tgt Ion: 78 Resp: 40914



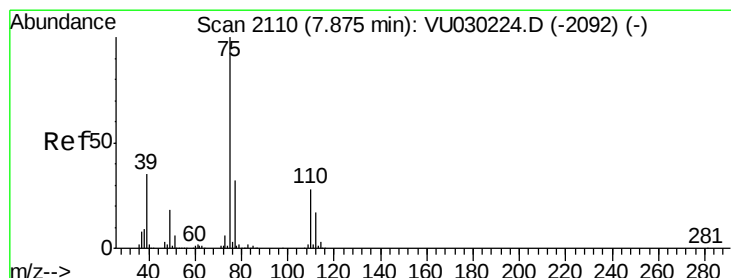
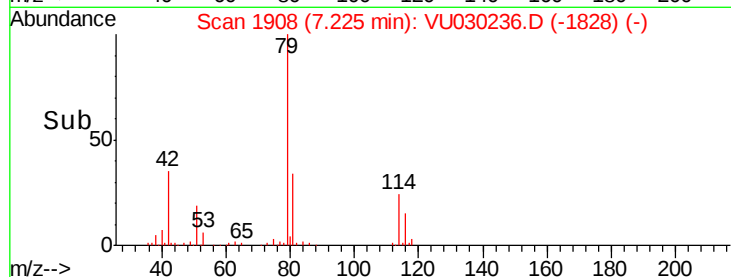
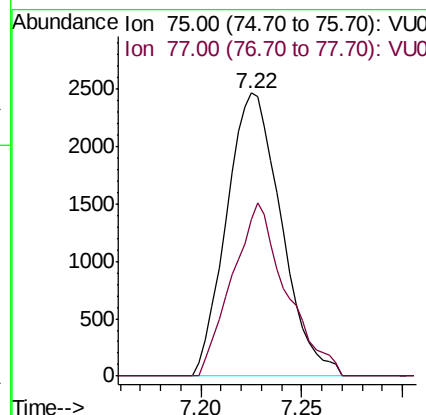
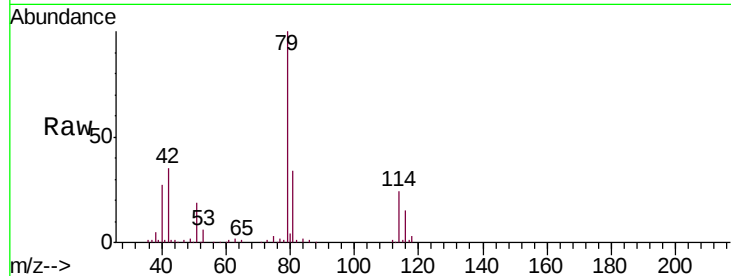


#39

cis-1,3-Dichloropropene
 Concen: 0.748 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU030236.D
 Acq: 20 Mar 2019 20:32

Instrument :
 MSVOA_U
 ClientSampled :
 C0977

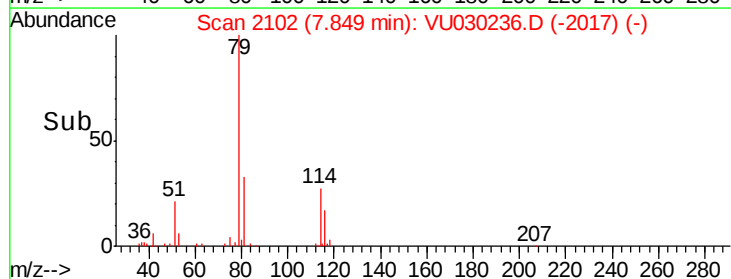
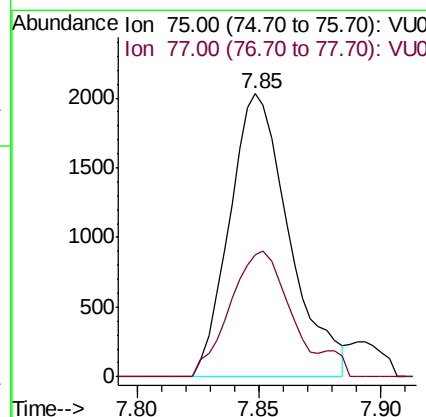
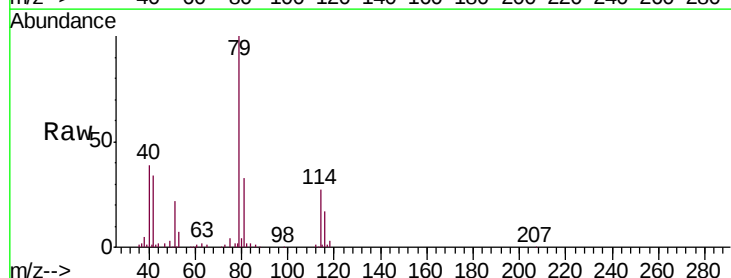
Tgt Ion: 75 Resp: 4668
 Ion Ratio Lower Upper
 75 100
 77 55.2 22.1 41.1#

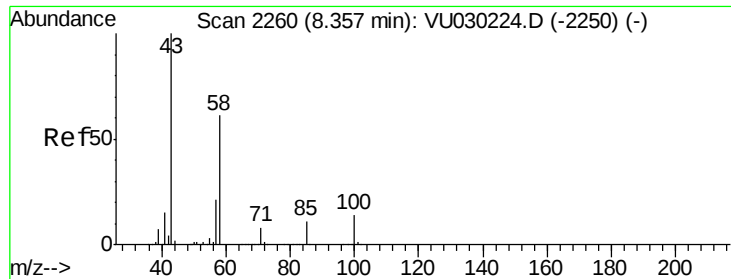


#44

trans-1,3-Dichloropropene
 Concen: 0.637 ug/L
 RT: 7.85 min Scan# 2102
 Delta R.T. -0.03 min
 Lab File: VU030236.D
 Acq: 20 Mar 2019 20:32

Tgt Ion: 75 Resp: 3440
 Ion Ratio Lower Upper
 75 100
 77 43.3 22.7 42.1#

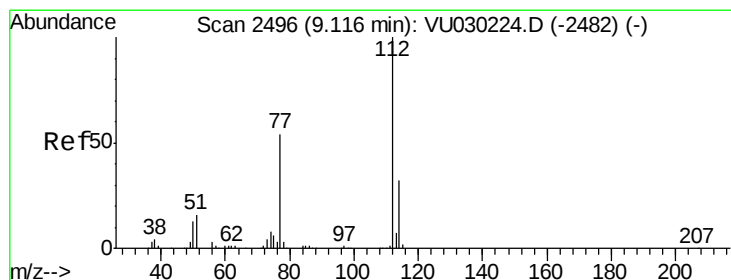
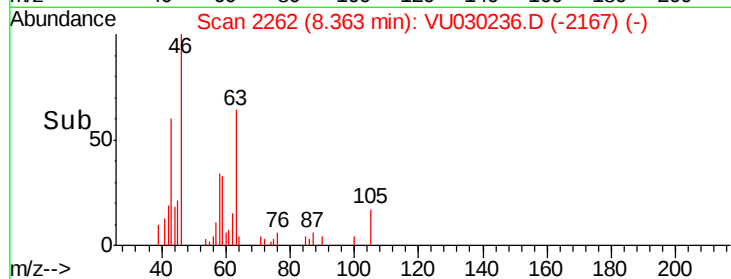
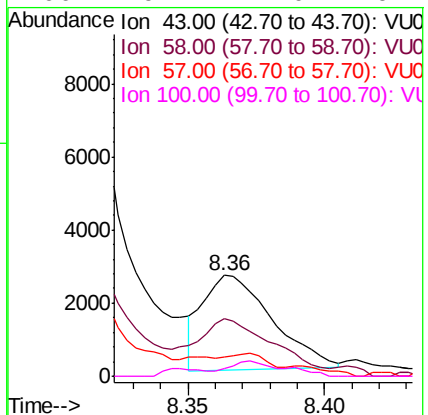
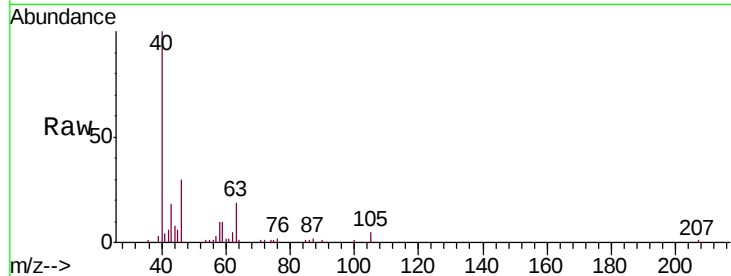




#48
2-Hexanone
Concen: 1.021 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU030236.D
Acq: 20 Mar 2019 20:32

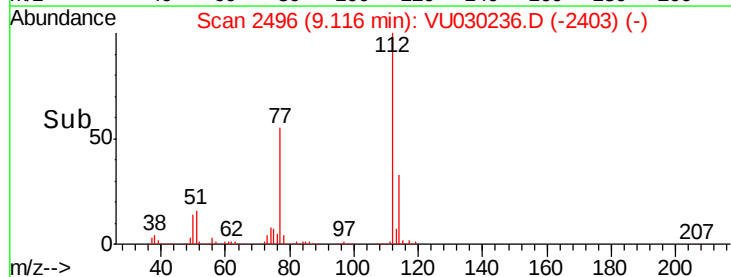
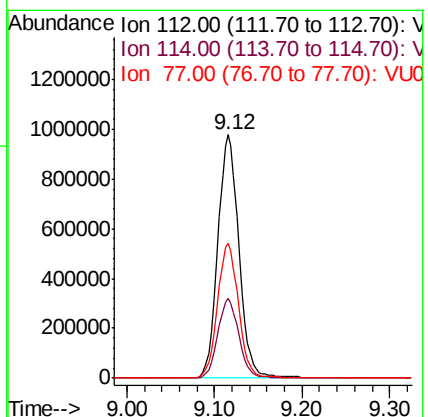
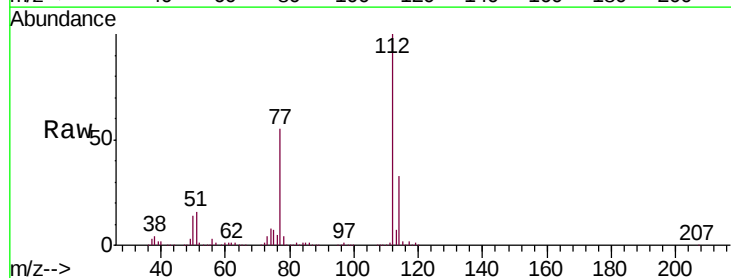
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MSVOA_U
ClientSampleId :
C0977

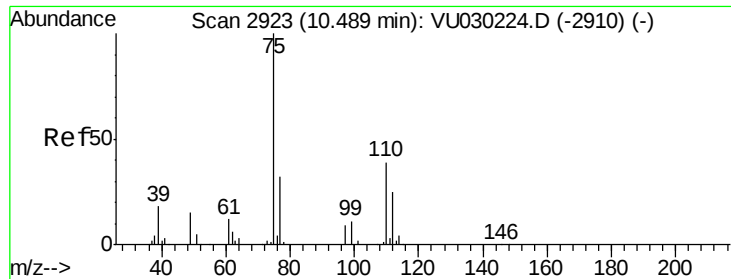
Tgt Ion: 43 Resp: 4531
Ion Ratio Lower Upper
43 100
58 62.9 49.3 73.9
57 0.0 17.0 25.4#
100 9.7 11.0 16.4#



#51
Chlorobenzene
Concen: 149.701 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030236.D
Acq: 20 Mar 2019 20:32

Tgt Ion: 112 Resp: 1637205
Ion Ratio Lower Upper
112 100
114 32.6 22.5 41.7
77 55.4 43.4 65.0





#59

1,2,3-Trichloropropane

Concen: 2.244 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.93 min

Lab File: VU030236.D

Acq: 20 Mar 2019 20:32

Instrument :

MSVOA_U

ClientSampled :

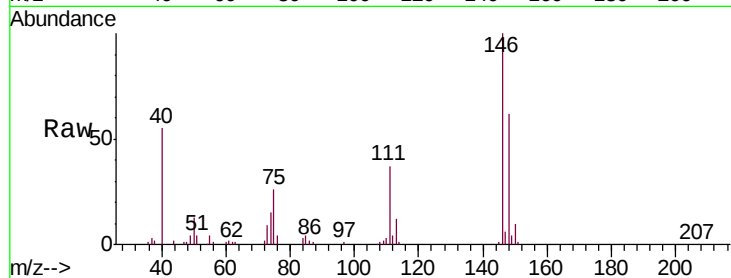
C0977

Tgt Ion: 75 Resp: 11797

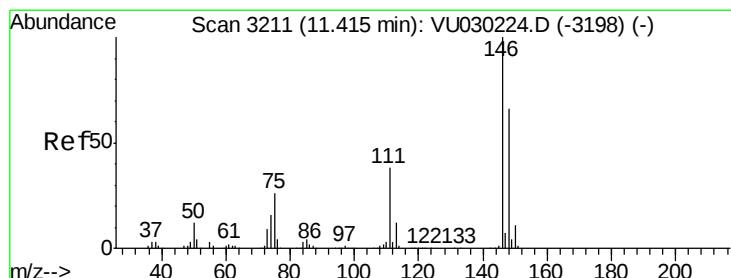
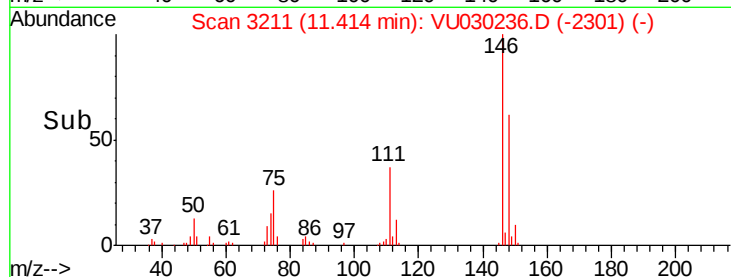
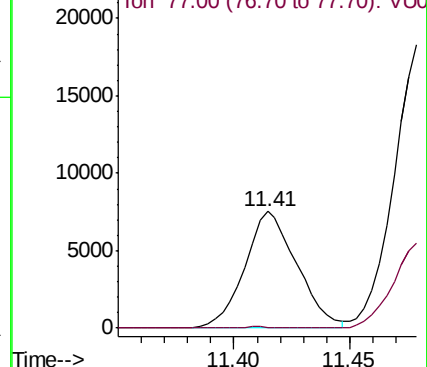
Ion Ratio Lower Upper

75 100

77 0.3 25.8 38.8#



Abundance Ion 75.00 (74.70 to 75.70): VU030236.D (-3198) (-)



#62

1,3-Dichlorobenzene

Concen: 6.000 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU030236.D

Acq: 20 Mar 2019 20:32

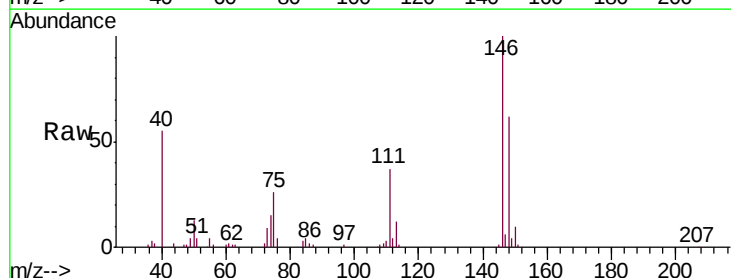
Tgt Ion: 146 Resp: 47560

Ion Ratio Lower Upper

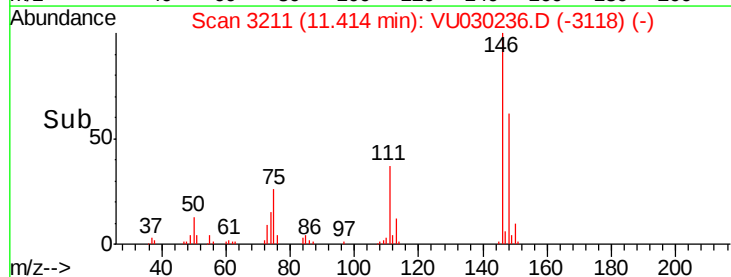
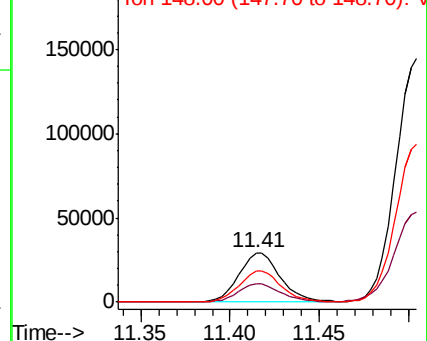
146 100

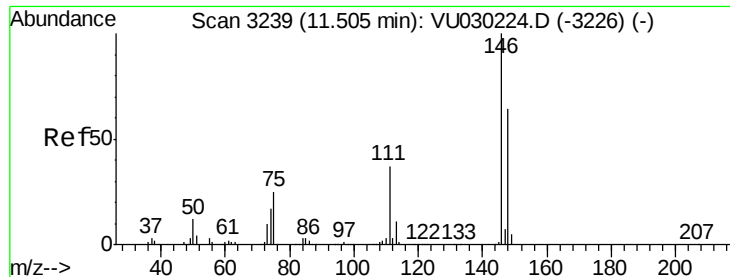
111 36.9 27.2 50.4

148 62.2 44.4 82.5



Abundance Ion 146.00 (145.70 to 146.70): VU030236.D (-3118) (-)

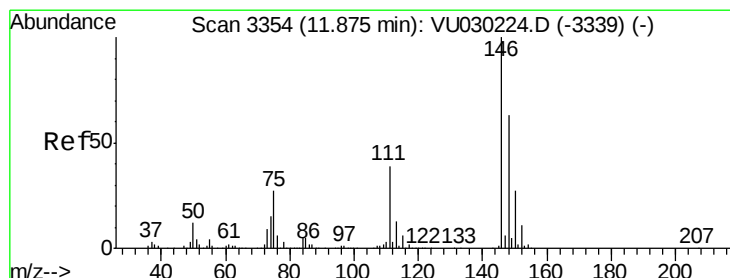
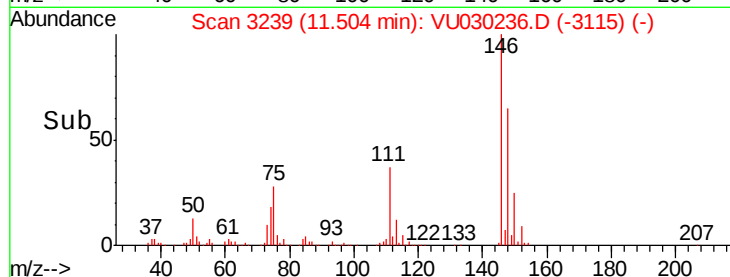
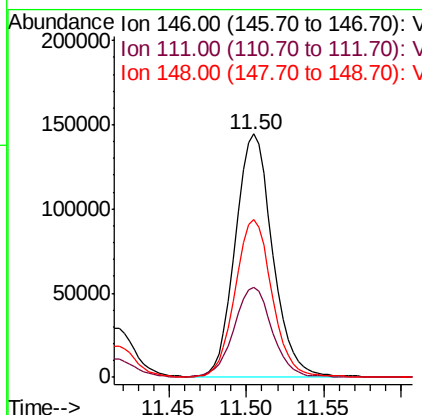
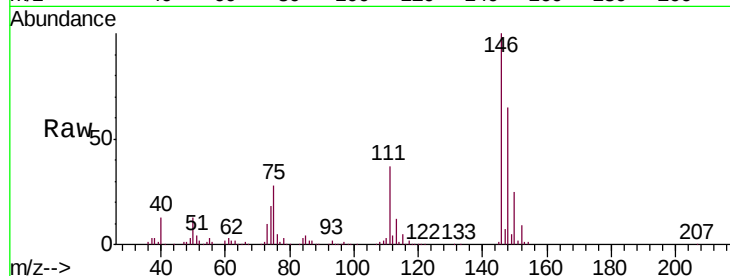




#63
 1,4-Dichlorobenzene
 Concen: 29.224 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030236.D
 Acq: 20 Mar 2019 20:32

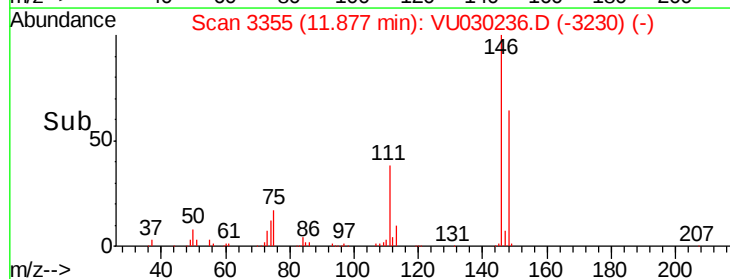
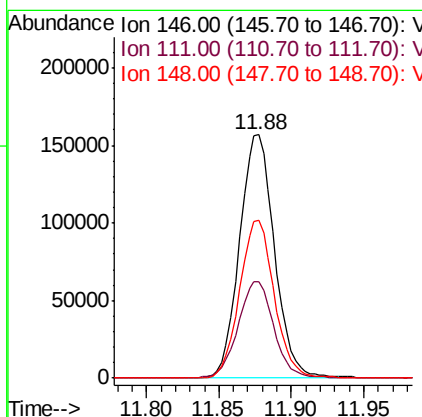
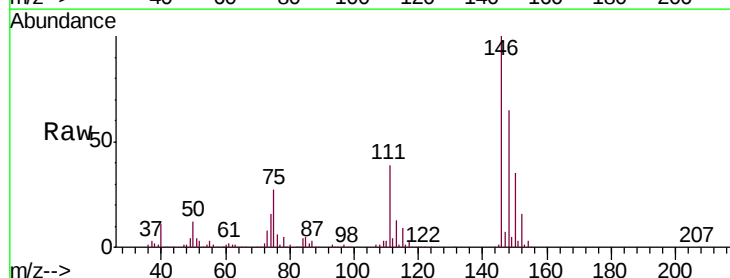
Instrument :
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 ClientSampled :
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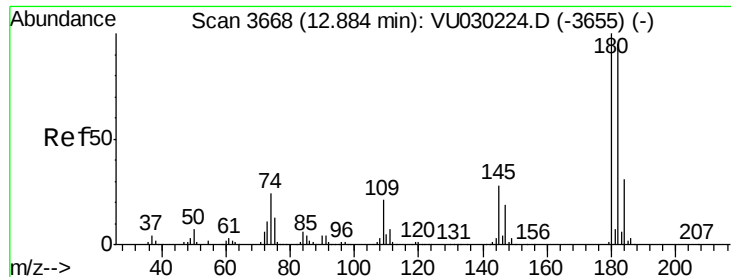
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	25.3	46.9
148	64.8	44.7	82.9



#65
 1,2-Dichlorobenzene
 Concen: 32.360 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030236.D
 Acq: 20 Mar 2019 20:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	31.7	47.5
148	64.9	52.0	78.0

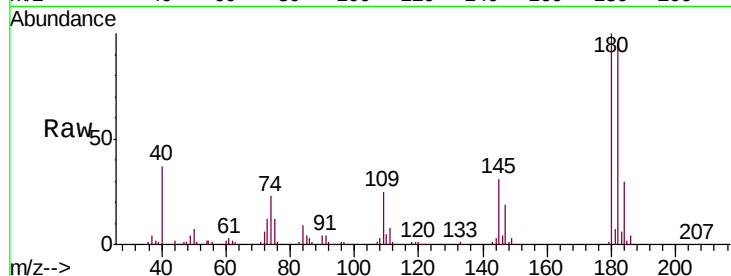




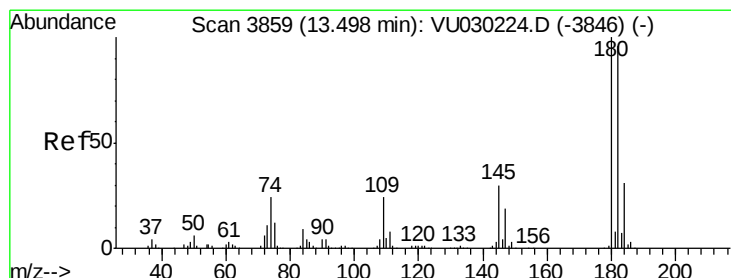
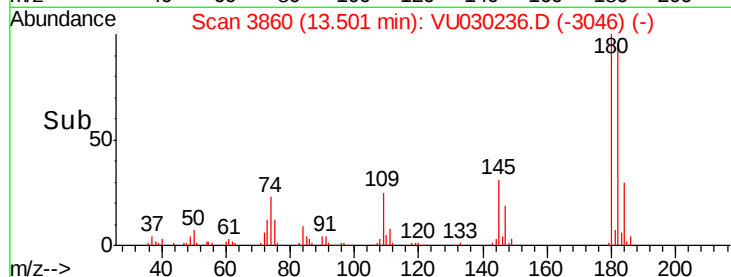
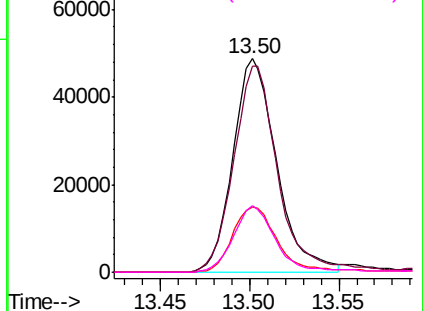
#67
 1,3,5-Trichlorobenzene
 Concen: 13.433 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.62 min
 Lab File: VU030236.D
 Acq: 20 Mar 2019 20:32

Instrument :
 MSVOA_U
 ClientSampleId :
 C0977

Tgt Ion:	180	Resp:	83216
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.0	114.0
184	30.9	24.2	36.4
145	30.3	22.1	33.1

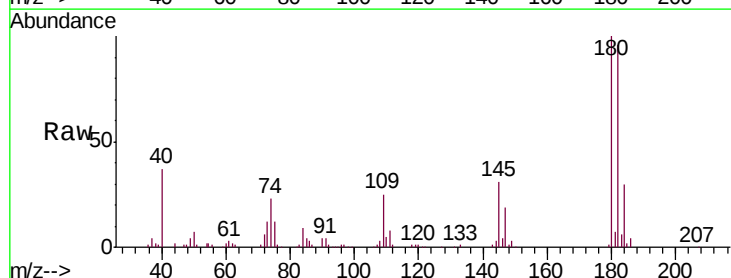


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

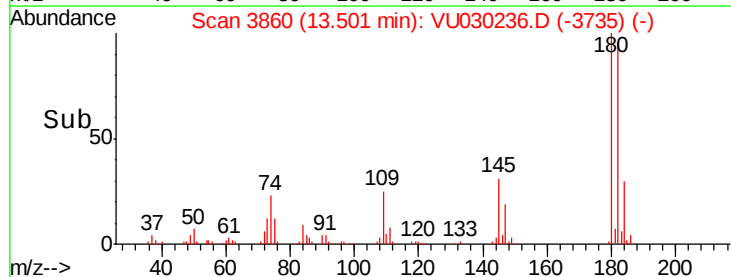
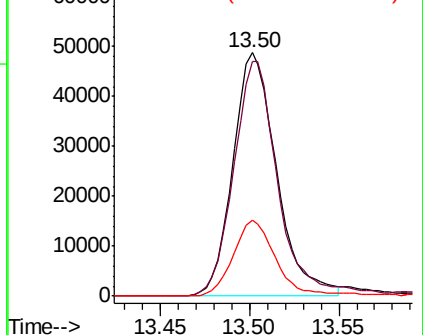


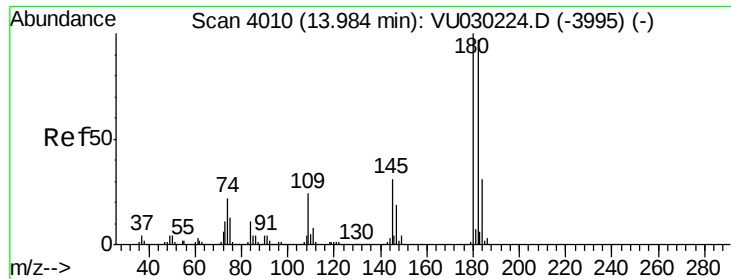
#68
 1,2,4-trichlorobenzene
 Concen: 15.191 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030236.D
 Acq: 20 Mar 2019 20:32

Tgt Ion:	180	Resp:	83216
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.4	114.6
145	30.3	22.7	34.1



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

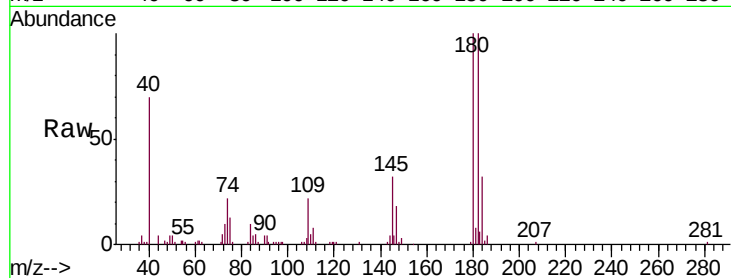




#70
 1,2,3-Trichlorobenzene
 Concen: 8.296 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU030236.D
 Acq: 20 Mar 2019 20:32

Instrument :
 MSVOA_U
 ClientSampleId :
 C0977

Tgt Ion:180 Resp: 47421
 Ion Ratio Lower Upper
 180 100
 182 97.6 75.9 113.9
 145 31.3 24.1 36.1



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

