

Data File : VU026877.D
Acq On : 18 Sep 2018 21:03
Operator : MD/SY
Sample : J4896-10DL 250X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08L6DL

Quant Time: Sep 19 07:40:15 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 19 07:38:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	229191	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	220187	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	93414	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	58123	34.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.56%
7) Chloroethane-d5	1.68	69	56176	38.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.42%
11) 1,1-Dichloroethene-d2	2.27	63	85918	26.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.56%#
21) 2-Butanone-d5	4.18	46	122305	108.71	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.71%
24) Chloroform-d	4.65	84	136037	43.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.52%
26) 1,2-Dichloroethane-d4	5.31	65	88224	44.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.10%
32) Benzene-d6	5.34	84	253695	41.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.22%
36) 1,2-Dichloropropane-d6	6.33	67	89295	44.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.82%
41) Toluene-d8	7.57	98	206648	37.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.14%#
43) trans-1,3-Dichloropropene-	7.85	79	35517	40.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.02%
47) 2-Hexanone-d5	8.31	63	82530	105.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.61%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	131217	47.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.66%
64) 1,2-Dichlorobenzene-d4	11.86	152	92101	47.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

					Qvalue
13) Acetone	2.32	43	1071	0.968 ug/L	72
33) Benzene	5.39	78	10961	1.606 ug/L	100
35) Methylcyclohexane	6.33	83	20708	7.755 ug/L #	18
37) 1,2-Dichloropropane	6.33	63	9558	5.097 ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	1901	0.718 ug/L #	62
44) trans-1,3-Dichloropropene	7.85	75	1550	0.625 ug/L	96
51) Chlorobenzene	9.12	112	344826	73.562 ug/L	100
59) 1,2,3-Trichloropropane	11.48	75	11342	5.049 ug/L	95
62) 1,3-Dichlorobenzene	11.42	146	5618	1.973 ug/L	95
63) 1,4-Dichlorobenzene	11.51	146	33707	10.749 ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	71212	22.584 ug/L	98
67) 1,3,5-Trichlorobenzene	13.51	180	6412	2.910 ug/L	96
68) 1,2,4-trichlorobenzene	13.51	180	6412	3.377 ug/L	96
70) 1,2,3-Trichlorobenzene	14.00	180	1516	0.725 ug/L #	56

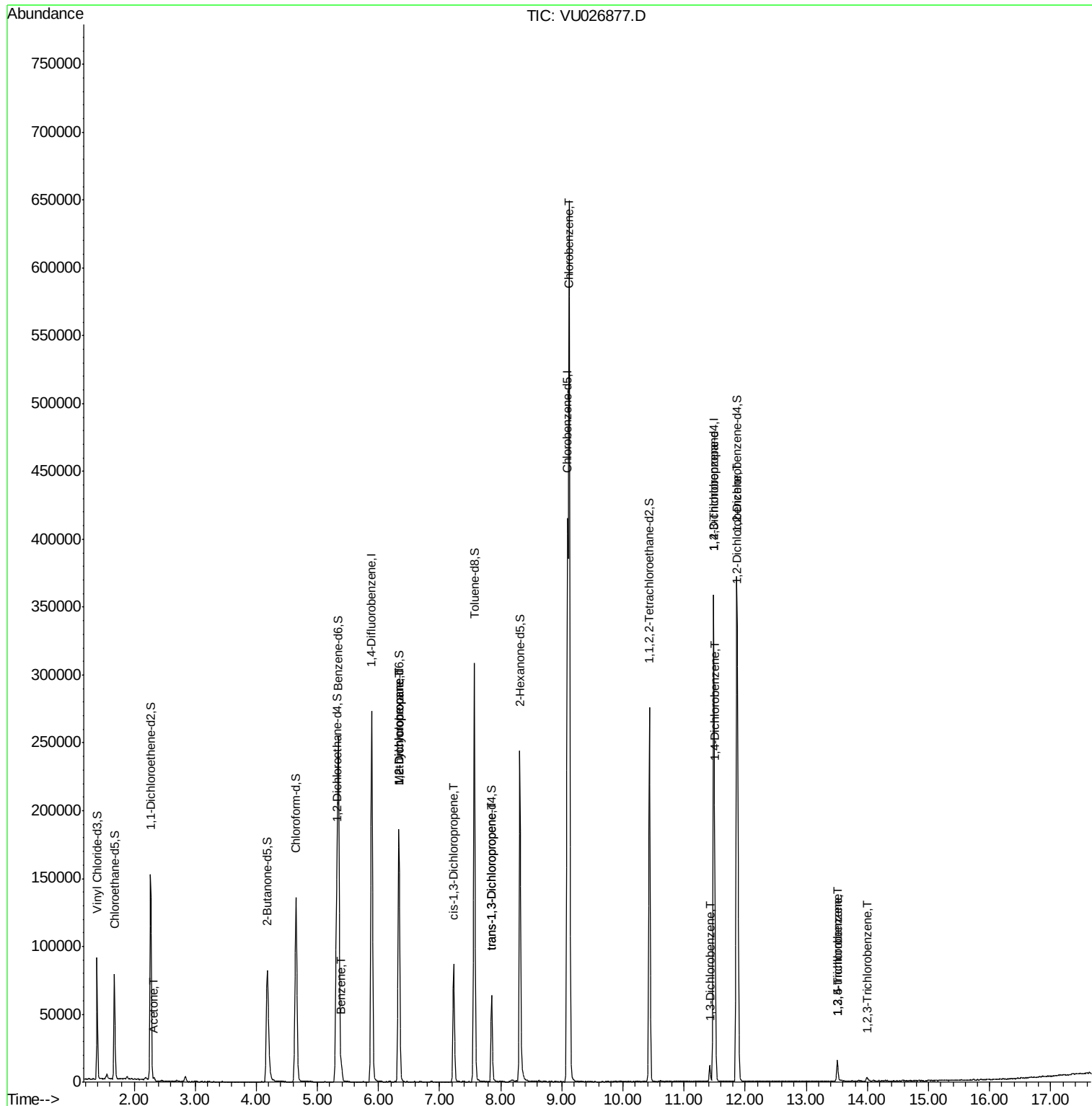
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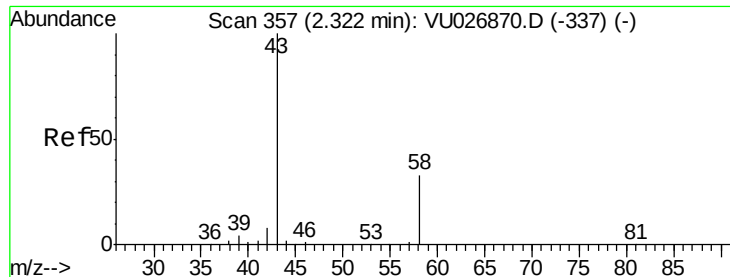
Data File : VU026877.D

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#13

Acetone

Concen: 0.968 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026877.D

Acq: 18 Sep 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

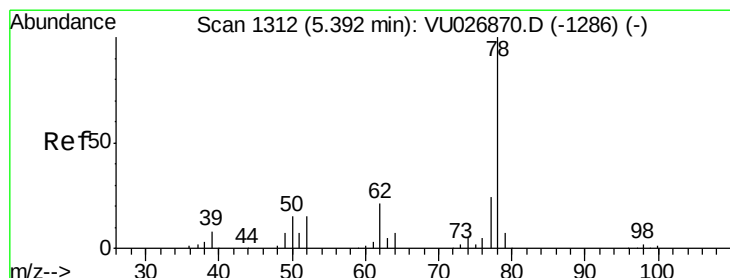
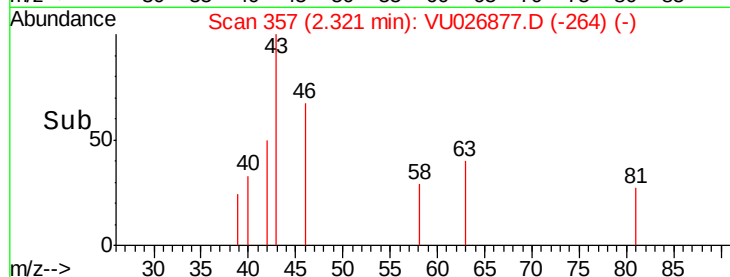
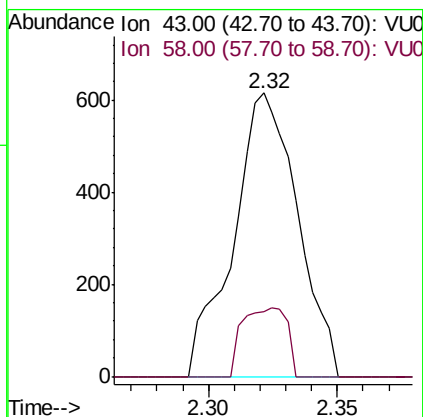
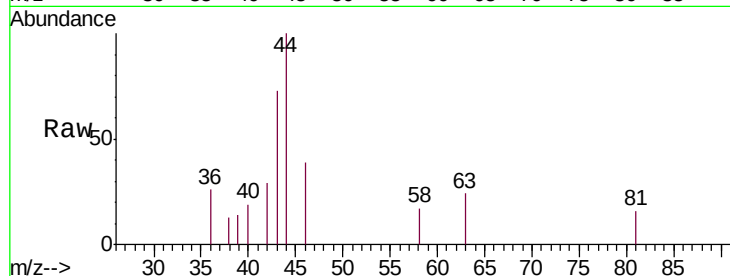
C08L6DL

Tgt Ion: 43 Resp: 1071

Ion Ratio Lower Upper

43 100

58 16.8 0.0 64.6



#33

Benzene

Concen: 1.606 ug/L

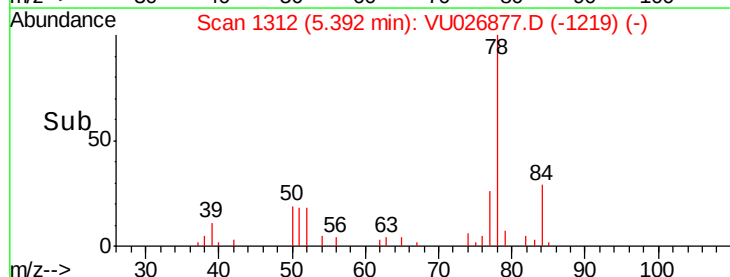
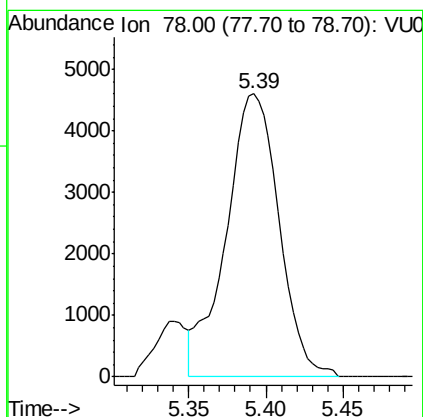
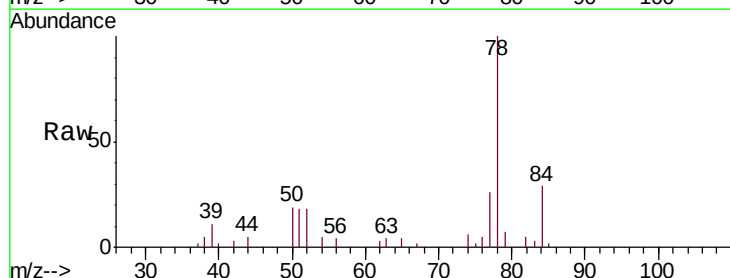
RT: 5.39 min Scan# 1312

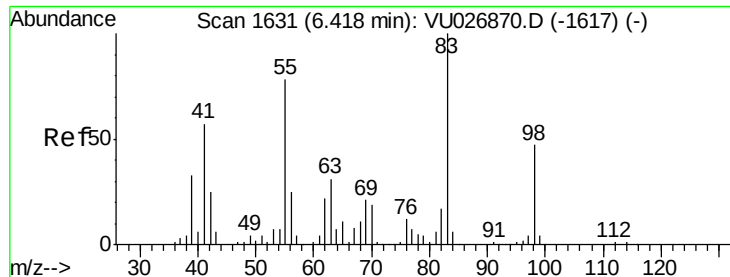
Delta R.T. -0.00 min

Lab File: VU026877.D

Acq: 18 Sep 2018 21:03

Tgt Ion: 78 Resp: 10961

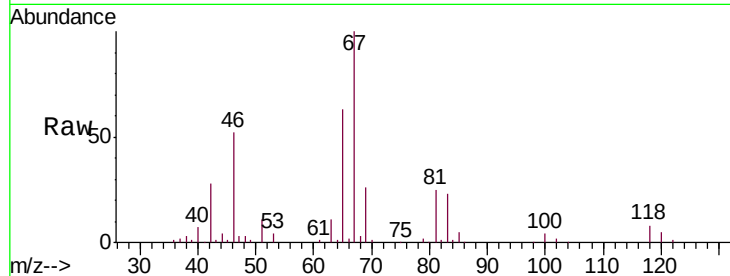




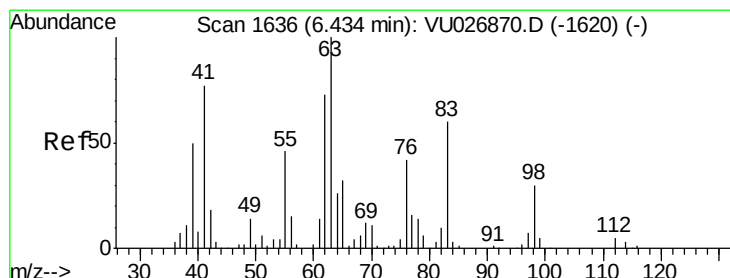
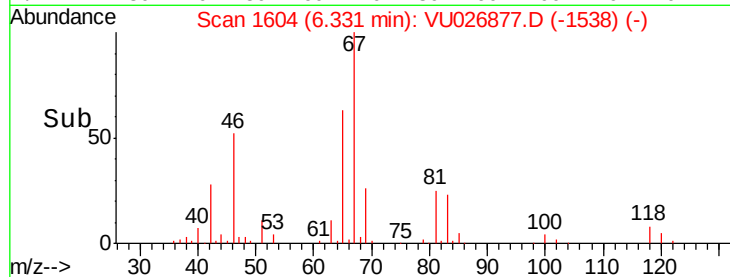
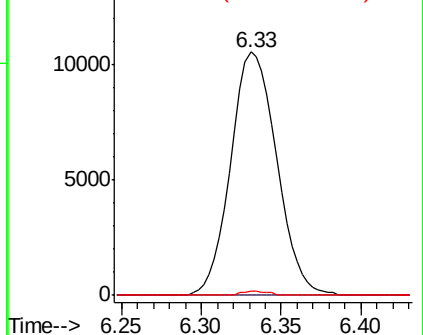
#35
Methylcyclohexane
Concen: 7.755 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.09 min
Lab File: VU026877.D
Acq: 18 Sep 2018 21:03

Instrument :
MSVOA_U
ClientSampleId :
C08L6DL

Tgt Ion: 83 Resp: 20708
Ion Ratio Lower Upper
83 100
55 0.0 61.7 92.5#
98 0.9 38.3 57.5#

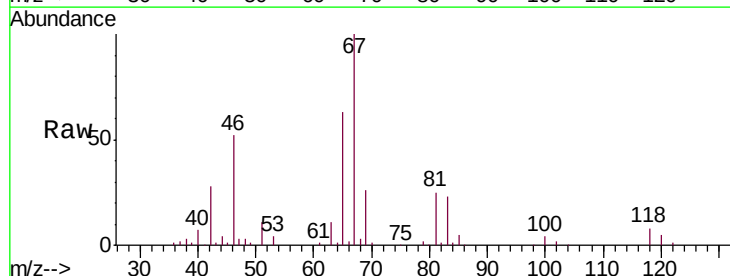


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

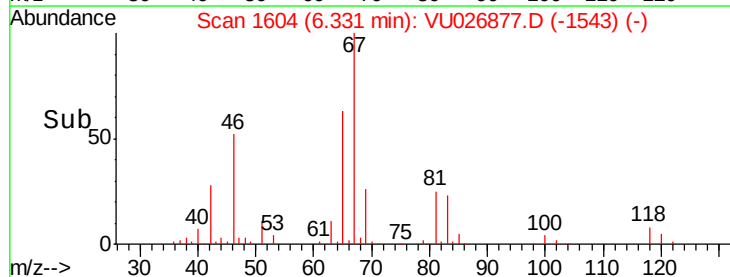
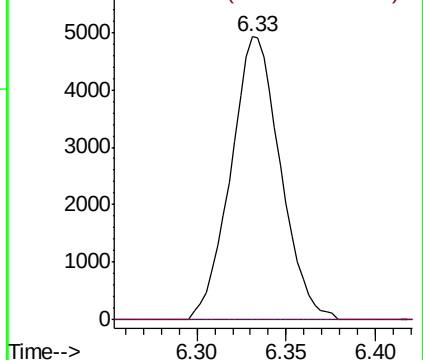


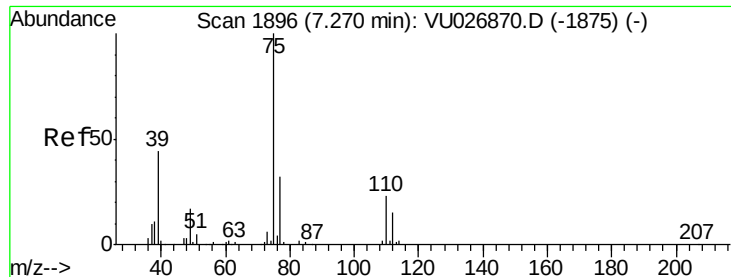
#37
1,2-Dichloropropane
Concen: 5.097 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.10 min
Lab File: VU026877.D
Acq: 18 Sep 2018 21:03

Tgt Ion: 63 Resp: 9558
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V



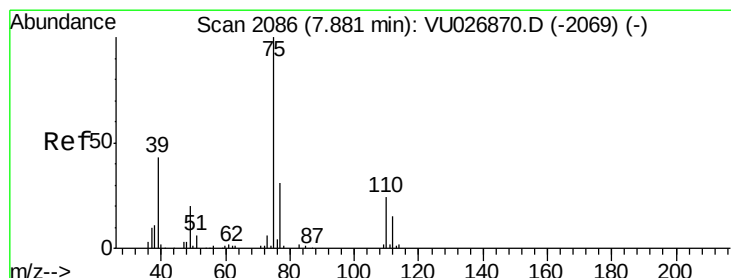
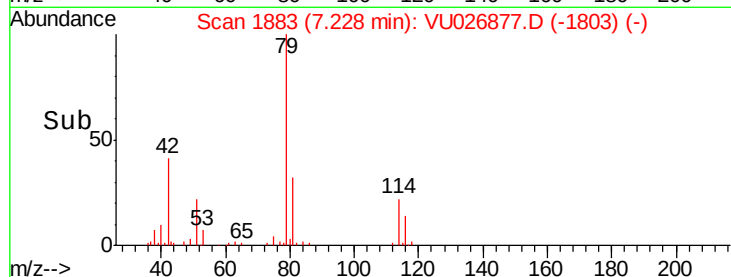
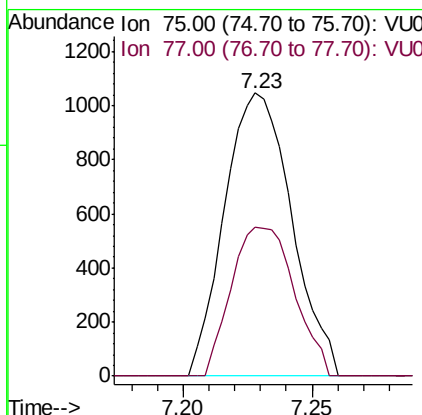
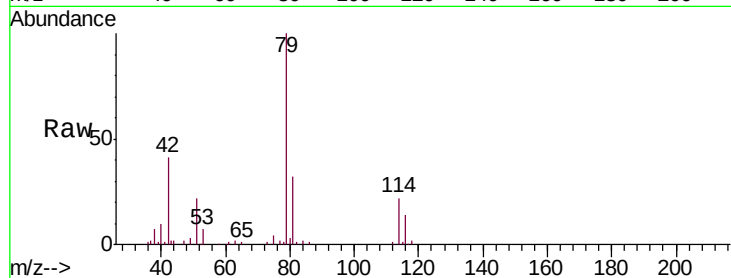


#39

cis-1,3-Dichloropropene
Concen: 0.718 ug/L
RT: 7.23 min Scan# 1883
Delta R.T. -0.04 min
Lab File: VU026877.D
Acq: 18 Sep 2018 21:03

Instrument :
MSVOA_U
ClientSampleId :
C08L6DL

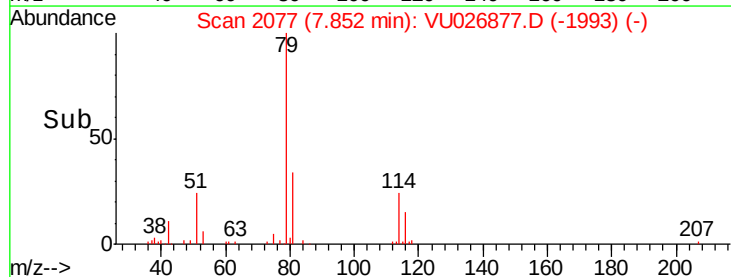
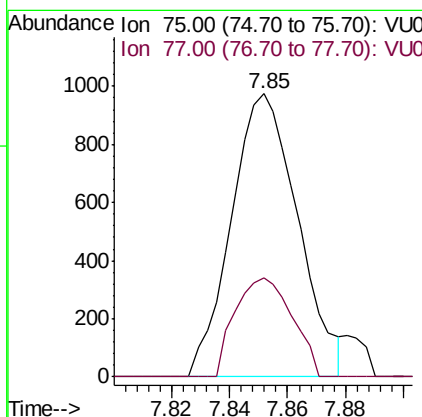
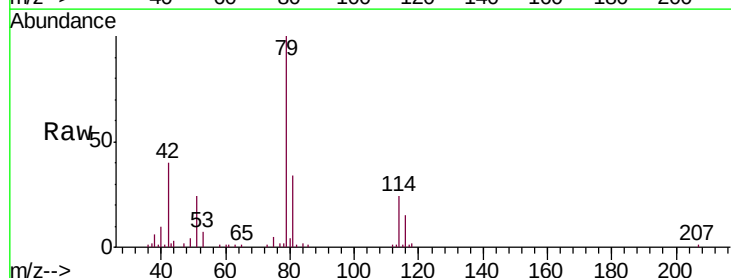
Tgt Ion: 75 Resp: 1901
Ion Ratio Lower Upper
75 100
77 52.4 22.1 41.1#

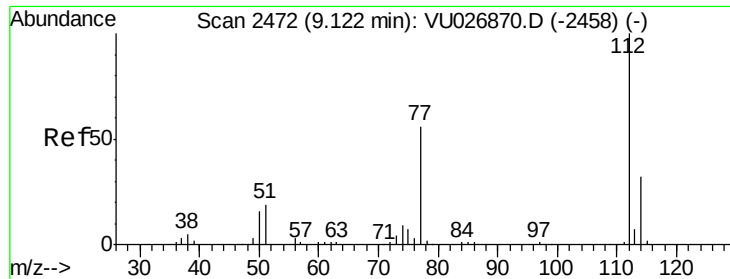


#44

trans-1,3-Dichloropropene
Concen: 0.625 ug/L
RT: 7.85 min Scan# 2077
Delta R.T. -0.03 min
Lab File: VU026877.D
Acq: 18 Sep 2018 21:03

Tgt Ion: 75 Resp: 1550
Ion Ratio Lower Upper
75 100
77 35.1 22.8 42.4

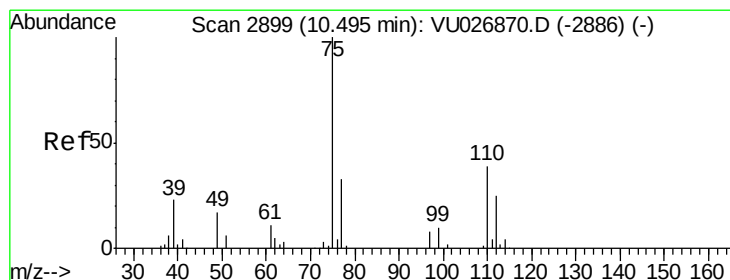
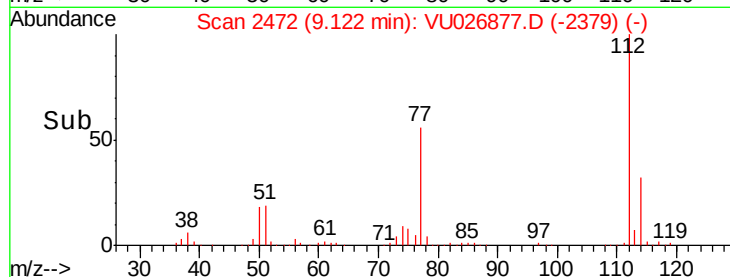
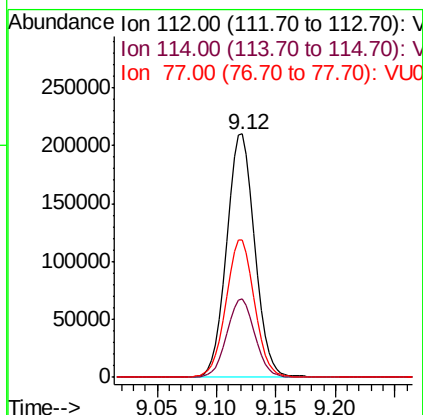
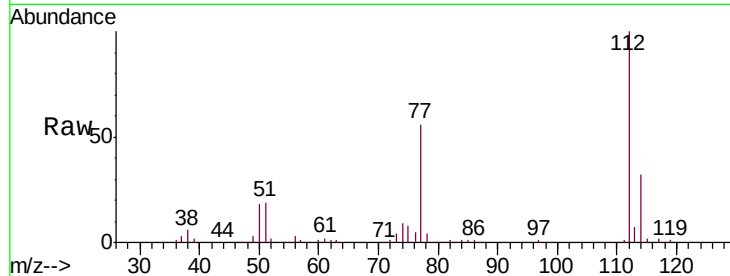




#51
Chlorobenzene
Concen: 73.562 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU026877.D
Acq: 18 Sep 2018 21:03

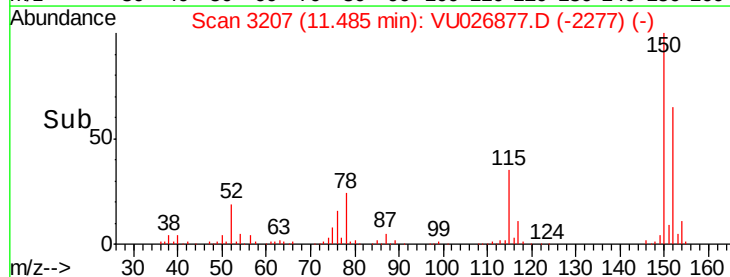
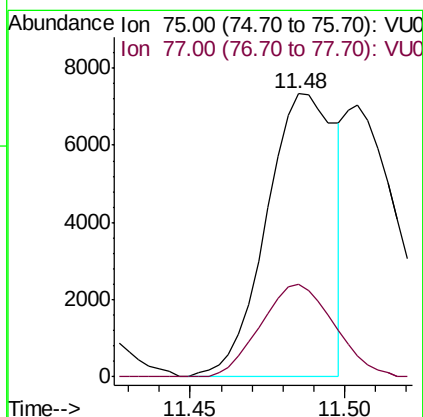
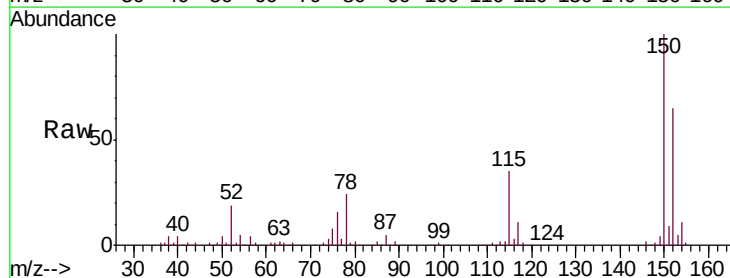
Instrument :
MSVOA_U
ClientSampleId :
C08L6DL

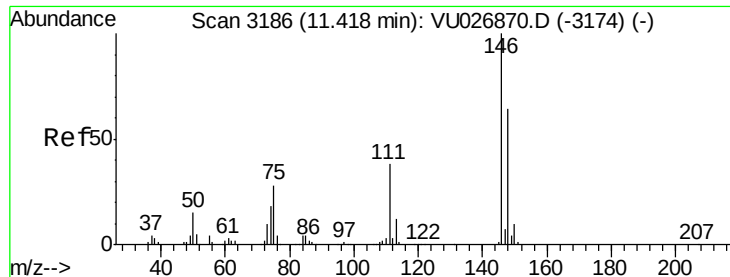
Tgt Ion: 112 Resp: 344826
Ion Ratio Lower Upper
112 100
114 32.0 22.3 41.5
77 56.2 45.1 67.7



#59
1,2,3-Trichloropropane
Concen: 5.049 ug/L
RT: 11.48 min Scan# 3207
Delta R.T. 0.99 min
Lab File: VU026877.D
Acq: 18 Sep 2018 21:03

Tgt Ion: 75 Resp: 11342
Ion Ratio Lower Upper
75 100
77 34.9 25.5 38.3

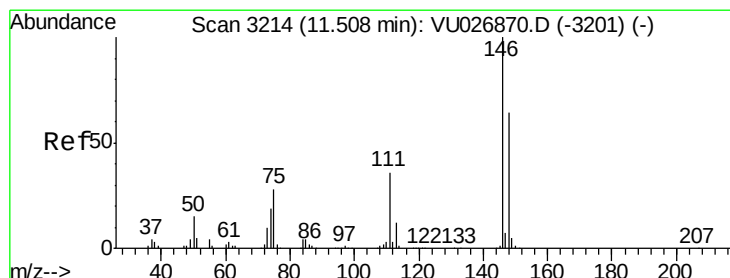
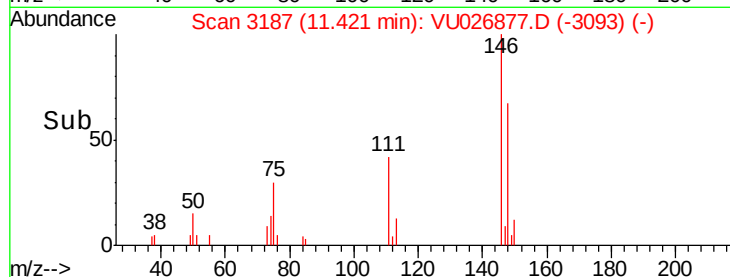
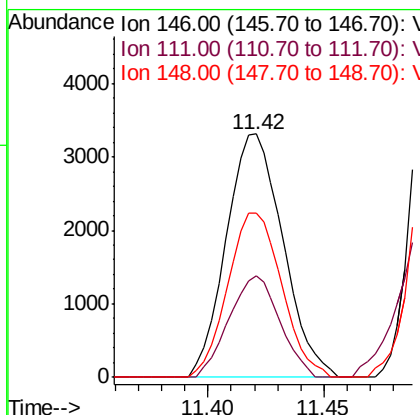
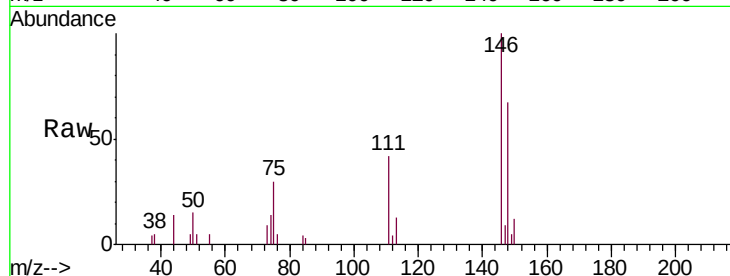




#62
 1,3-Dichlorobenzene
 Concen: 1.973 ug/L
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU026877.D
 Acq: 18 Sep 2018 21:03

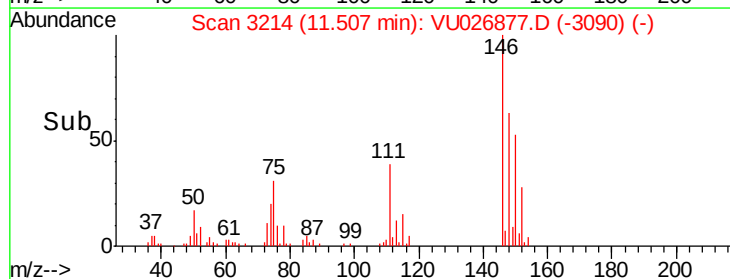
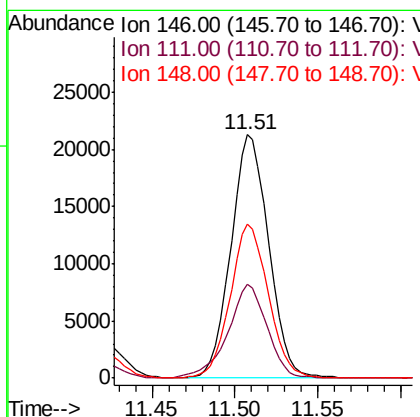
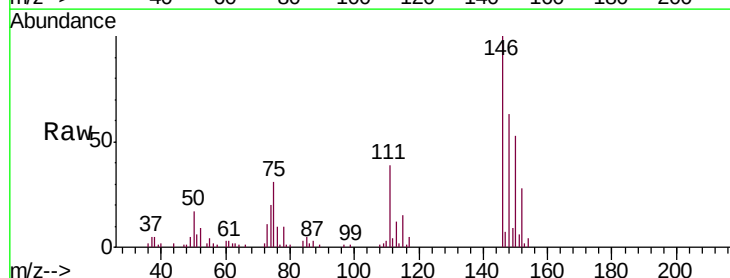
Instrument :
 MSVOA_U
 ClientSampleId :
 C08L6DL

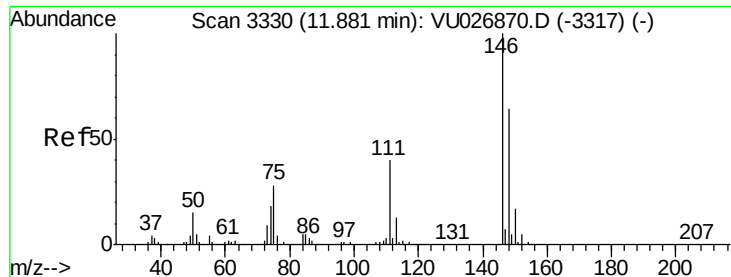
Tgt Ion:146 Resp: 5618
 Ion Ratio Lower Upper
 146 100
 111 41.8 26.7 49.7
 148 67.3 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 10.749 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU026877.D
 Acq: 18 Sep 2018 21:03

Tgt Ion:146 Resp: 33707
 Ion Ratio Lower Upper
 146 100
 111 38.5 26.0 48.2
 148 63.3 45.8 85.2





#65

1,2-Dichlorobenzene

Concen: 22.584 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VU026877.D

Acq: 18 Sep 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

C08L6DL

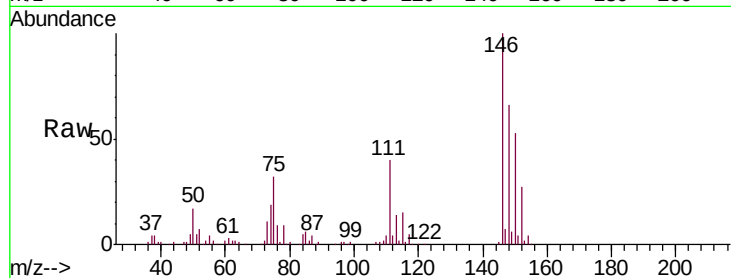
Tgt Ion:146 Resp: 71212

Ion Ratio Lower Upper

146 100

111 40.4 31.4 47.0

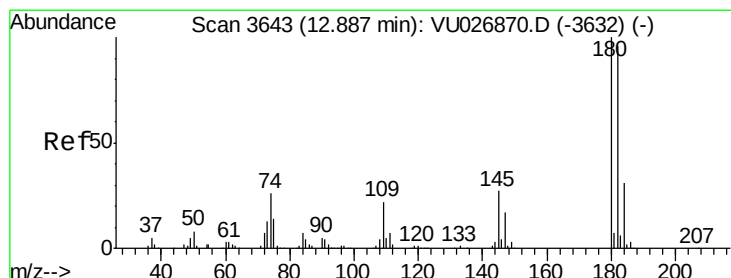
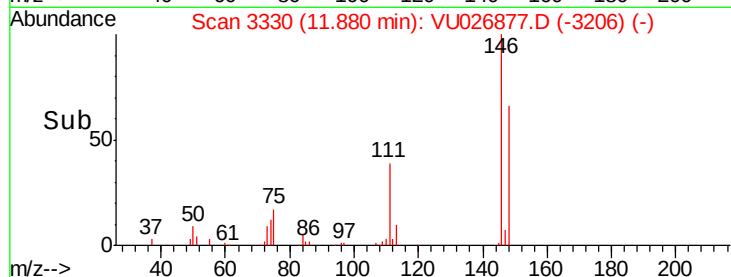
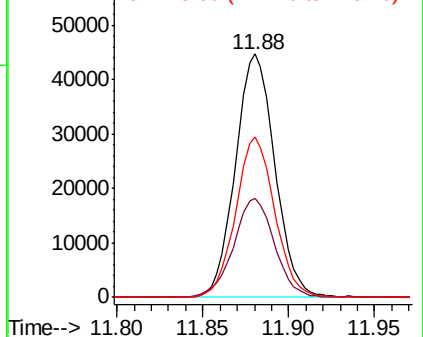
148 65.8 51.4 77.2



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: 2.910 ug/L

RT: 13.51 min Scan# 3836

Delta R.T. 0.62 min

Lab File: VU026877.D

Acq: 18 Sep 2018 21:03

Tgt Ion:180 Resp: 6412

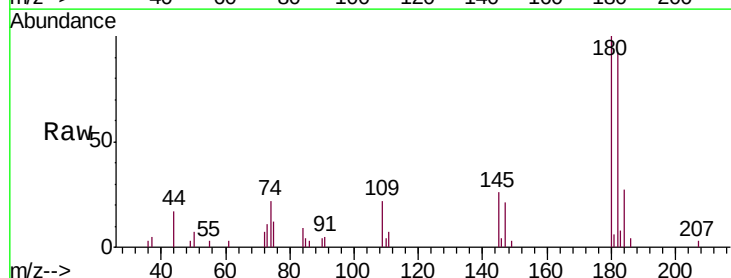
Ion Ratio Lower Upper

180 100

182 92.2 76.7 115.1

184 27.7 24.2 36.4

145 25.7 21.8 32.6

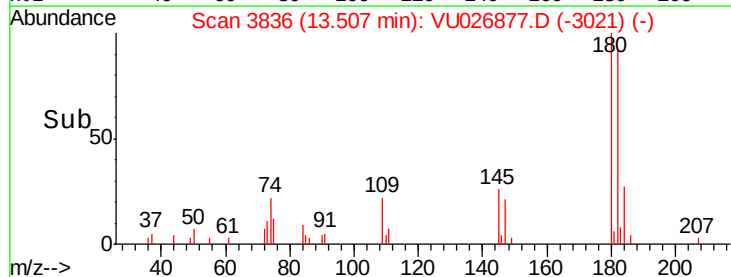
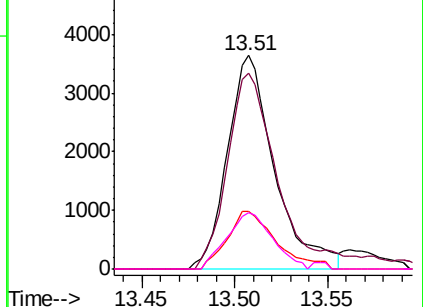


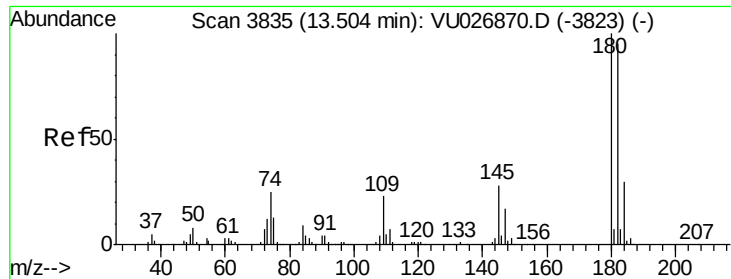
Abundance Ion 180.00 (179.70 to 180.70): V

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

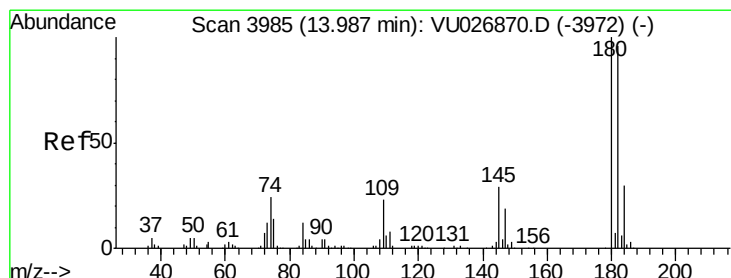
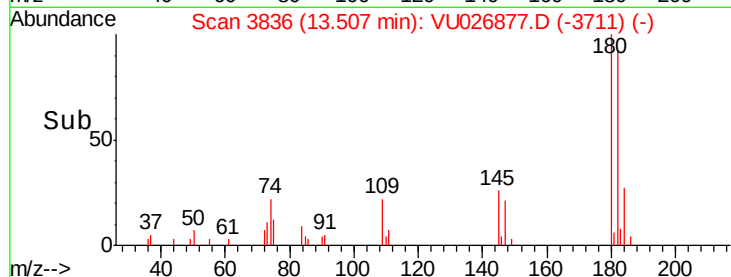
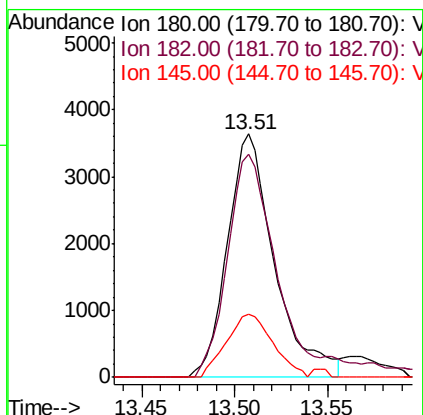
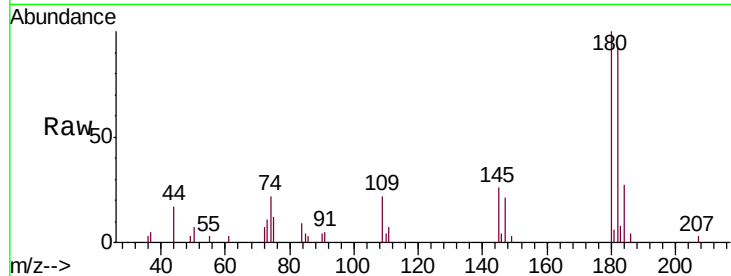




#68
 1,2,4-trichlorobenzene
 Concen: 3.377 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU026877.D
 Acq: 18 Sep 2018 21:03

Instrument :
 MSVOA_U
 ClientSampleId :
 C08L6DL

Tgt Ion:180 Resp: 6412
 Ion Ratio Lower Upper
 180 100
 182 92.2 76.8 115.2
 145 25.7 22.2 33.2



#70
 1,2,3-Trichlorobenzene
 Concen: 0.725 ug/L
 RT: 14.00 min Scan# 3988
 Delta R.T. 0.01 min
 Lab File: VU026877.D
 Acq: 18 Sep 2018 21:03

Tgt Ion:180 Resp: 1516
 Ion Ratio Lower Upper
 180 100
 182 45.6 75.6 113.4#
 145 16.8 23.8 35.6#

